Cal OES

GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

CALIFORNIA STATE HAZARD MITIGATION PLAN

Volume 2—Appendices

Gavin Newsom

Governor

Nancy Ward

Director
California Governor's
Office of Emergency Services

2023

TABLE OF CONTENTS

Appendix A. Definitions of Terms and Acronyms

Appendix B. Equity, Social Vulnerability, and Environmental Justice

Appendix C. Emergency Management Accreditation Program

Appendix D. Plan Participants

Appendix E. Differences from Previous Plan and Crosswalk for Plan Reviewers

Appendix F. Emergency Proclamations and Disaster Declarations

Appendix G. Risk Assessment Methodology

Appendix H. Hazard Impact Rating

Appendix I. Risk Analysis Results

Appendix J. Status of Actions from Previous Plan

Appendix K. Hazard Events History

Appendix L. Mitigation Laws and Regulations

Appendix M. Basics of Local Mitigation Planning

Appendix N. Plan Integration

Appendix O. Potential Funding Sources

Appendix P. California Communities in NFIP and CRS

Appendix Q. State Investments in Hazard Mitigation and Climate Adaptation

Appendix R. Mineral Hazards, Vulnerability, and Risk Assessment

Appendix S. Summary Information on California Dams

Appendix T. Current State Landslide Hazard Mitigation Efforts

Appendix U. Document Change Log

References

Appendix A. **Definitions of Terms and Acronyms**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

A. DEFINITIONS OF TERMS AND ACRONYMS

0.2% annual chance flood – a flood that has a 0.2 percent chance of being equaled or exceeded in any given year; often referred to as the 500-year flood (USGS 2018)

1% annual chance flood – a flood with a 1 percent chance of being equaled or exceeded in any given year; often called the 100-year flood (USGS 2018)

AB – see Assembly Bill

Access or Functional Needs (AFN) – an individual may have an access or functional need if they have a developmental or intellectual disability, a physical disability, a chronic condition, an injury, limited English proficiency or are non-English speaking, are an older adult, are a child, are a person living in an institutionalized setting, or are low income, experiencing homelessness, or transportation disadvantaged, including, but not limited to, those who are dependent on public transit, or those who are pregnant (Government Code 8593.3). When referring to individuals, the term is used as "access or functional needs" with lowercase words and without using the acronym. When referring to the entire population, resources, considerations, or department title, the term is used as "Access and Functional Needs" and the acronym AFN may be used

ARCCA – Alliance of Regional Collaboratives for Climate Adaptation

Assembly Bill (AB) – a draft of a proposed law introduced by a Member of the California State Assembly

asset – any human-caused or natural feature that has value, including people; buildings; infrastructure, such as bridges, roads, sewers, and water systems; lifelines, such as electricity and communication resources; and environmental, cultural, or recreational features, such as parks, wetlands, and landmarks

atmospheric river – long, narrow regions in the atmosphere that transport water vapor. These columns of vapor move with the weather, carrying an amount of water vapor roughly equivalent to the average flow of water at the mouth of the Mississippi River. When the atmospheric rivers make landfall, they often release this water vapor in the form of rain or snow (NOAA 2015)

base flood – the flood having a 1% chance of being equaled or exceeded in any given year, also known as the "100-year" or "1% annual chance" flood. The base flood is a statistical concept used to ensure that all properties subject to the National Flood Insurance Program (NFIP) are protected to the same degree against flooding (USGS 2018)

Base Flood Elevation (BFE) – the water surface elevation of the base flood (DWR 2020)

basin – the area within which all surface water – whether from rainfall, snowmelt, springs, or other sources – flows to a single water body or watercourse. The boundary of a river basin is defined by natural topography, such as hills, mountains, and ridges. Basins are also called "watersheds" (USGS 2019a)

BCA – see benefit-cost analysis

BCDC – San Francisco Bay Conservation and Development Commission

BCEGS – see Building Code Effectiveness Grading Schedule

BCSH – California Business, Consumer Services, and Housing Agency

benefit – a net project outcome and is usually defined in monetary terms. Benefits may include direct and indirect effects. For benefit-cost analysis of proposed mitigation measures, benefits are limited to specific, measurable risk reduction factors, including a reduction in expected property losses (buildings, contents, and functions) and protection of human life (FEMA 2022b)

benefit-cost analysis (BCA) – a systematic, quantitative method of comparing projected benefits to projected costs of a project or policy. It is used to measure cost-effectiveness (FEMA 2022b)

BFE – see Base Flood Elevation

BIPOC – Black, Indigenous, and People of Color

BOF – California Board of Forestry and Fire Protection

bovine spongiform encephalopathy (BSE) – a fatal disease in cattle

BRIC – see Building Resilient Infrastructure and Communities

BSE – see bovine spongiform encephalopathy

Building Code Effectiveness Grading Schedule (BCEGS) – a system of rating community building codes and their enforcement (Verisk 2023)

Building Resilient Infrastructure and Communities (BRIC) – this program aims to categorically shift the federal focus away from reactive disaster spending and toward research-supported, proactive investment in community resilience. Examples of projects under this program demonstrate innovative approaches to partnerships, such as shared funding mechanisms and/or project design (FEMA 2022a)

CAISO – California Independent System Operator

CAL FIRE – California Department of Forestry and Fire Protection

Cal OES – California Governor's Office of Emergency Services

Cal OES HMA Branch – California Governor's Office of Emergency Services (Cal OES) Hazard Mitigation Assistance Branch

Cal-Adapt – a state program providing data and tools for climate adaptation planning, building resiliency, and fostering community engagement (Cal-Adapt n.d.)

Cal-CSIC – California Cyber Security Integration Center

CalEPA – California Environmental Protection Agency

CalGEM – California Geologic Energy Management Division

CALGreen Code – the California Green Building Standards Code – Part 11, Title 24, California Code of Regulations (CCR) – called CALGreen, is the first-in-the-nation mandatory green building standards code. In 2007, the California Green Building Standards Code developed green building standards to meet the goals of California's landmark initiative Assembly Bill (AB) 32, which established a comprehensive program of cost-effective reductions of greenhouse gases to 1990 levels by 2020 (DGS n.d.)

California Code of Regulations (CCR) – the official compilation and publication of the regulations adopted, amended, or repealed by State agencies under the Administrative Procedure Act. Properly adopted regulations have the force of law (OAL 2023)

California Disaster Assistance Act (CDAA) – the California Disaster Assistance Act authorizes the Director of the California Governor's Office of Emergency Services (Cal OES) to administer a disaster assistance program that provides financial assistance from the State for costs incurred by local governments as a result of a disaster event. Funding for repairing, restoring, or replacing public real property damaged or destroyed by a disaster is made available when the Cal OES Director concurs with a local emergency proclamation requesting State disaster assistance. The program also provides for the reimbursement of local government costs associated with certain emergency activities undertaken in response to a state of emergency proclaimed by the Governor. In addition, the program may provide matching fund assistance for cost-sharing required under federal Public Assistance (PA) programs in response to a Presidential Major Disaster or Emergency Declaration (Cal OES 2023c)

California Emergency Services Act (California ESA) – passed in 1970, the California Emergency Services Act bolstered emergency mitigation, preparedness, and response by granting emergency powers to the Governor, establishing the California Governor's Office of Emergency Services (Cal OES) and the emergency support functions framework, enabling the State to better facilitate mutual aid (California Government Code Sections 8550-8669.7)

California Environmental Quality Act (CEQA) – one of California's fundamental environmental laws. The purposes of this act are to: (1) inform government decision makers and the public about the potential environmental effects of proposed activities; (2) identify the ways that environmental damage can be avoided or significantly reduced; (3)

prevent significant, avoidable environmental damage by requiring changes in projects, either by the adoption of alternatives or imposition of mitigation measures; and (4) disclose to the public why a project was approved if that project has significant environmental impacts that cannot be mitigated to a less than significant level (OPR 2022b)

California ESA – see California Emergency Services Act

California Forest Improvement Program (CFIP) – assistance program for nonindustrial private forest owners providing technical and financial assistance for planning, reforestation, and resource management investments to improve the health and resilience of California's forestland (CAL FIRE n.d.)

CalRecycle – California Department of Resources Recycling and Recovery

CalSTA – California State Transportation Agency

Caltrans – California Department of Transportation

capability assessment – an analysis of a community's capacity to address hazard-related threats. The assessment includes two components: an inventory of an agency's mission, programs, and policies and an analysis of its capacity to carry out the mission, programs, and policies (FEMA 2020b)

CARB – California Air Resources Board

CBSC – California Building Standards Commission

CCC – California Conservation Corps

CCHES – Climate Change and Health Equity Section of the California Department of Public Health

CCR – see California Code of Regulations

CDAA – see California Disaster Assistance Act

CDBG – see Community Development Block Grant

CDC – U.S. Centers for Disease Control and Prevention

CDCR – California Department of Corrections and Rehabilitation

CDFA – California Department of Food and Agriculture

CDFW – California Department of Fish and Wildlife

CDPH – California Department of Public Health

CDT – California Department of Technology

CEA – California Earthquake Authority

CEC – California Energy Commission

Central Valley Flood Protection Plan (CVFPP) – California's strategic blueprint to improve flood risk management in the Central Valley (CVFPB n.d.)

CEQA – see California Environmental Quality Act

CESA – California Emergency Services Association

CFIP – see California Forest Improvement Program

CFR – see Code of Federal Regulations

CFSC – California Fire Safe Council

CGS – California Geological Survey

CHHS – California Health and Human Services Agency

CHP – California Highway Patrol

climate change – a change in global or regional climate patterns, in particular, apparent from the mid to late 20th century onwards and attributed mainly to the increased levels of atmospheric carbon dioxide produced by the use of fossil fuels (National Geographic 2022)

climate change adaptation – the process of adjustment to actual or expected climate and its effects. In human systems, adaptation seeks to moderate or avoid harm or exploit beneficial opportunities. In some natural systems, human intervention may facilitate adjustment to expected climate and its effects (IPCC 2022)

climate change mitigation – a human intervention to reduce the human impact on the climate system; it includes strategies to reduce greenhouse gas (GHG) sources and emissions and enhance greenhouse gas sinks, also called carbon sinks (European Environment Agency 2022)

CMD – California Military Department

CNRA – California Natural Resources Agency

Code of Federal Regulations (CFR) – an arrangement of the general and permanent rules published in the Federal Register by the executive departments and agencies of the federal government (National Archives 2021)

Community Development Block Grant (CDBG) – a program offering disaster recovery grants to rebuild affected areas and provide seed money to start the recovery process. These grants help cities, counties, and states recover from Presidentially declared disasters, especially in low-income areas, subject to the availability of supplemental appropriations (HUD 2022)

community lifeline – as defined by the Federal Emergency Management Agency (FEMA), a lifeline enables the continuous operation of critical government and business functions and is essential to human health and safety or economic security. There are seven lifeline categories: safety and security; food, water, shelter; health and medical; energy; communications; transportation; and hazardous materials (FEMA 2020)

Community Rating System (CRS) – a voluntary program under the National Flood Insurance Program (NFIP) that rewards participating communities through flood insurance premium discounts for exceeding the minimum requirements of the NFIP and

completing activities that reduce flood hazard risk (FEMA 2022c)

Coronavirus Disease 2019 (COVID-19) – a highly contagious infectious disease caused by the SARS-CoV-2 virus

COVID-19 – Coronavirus Disease 2019

CPUC – California Public Utilities Commission

critical facilities – facilities and infrastructure critical to the population's health and welfare. These become especially important after any hazard event occurs. Typical critical facilities include hospitals, fire stations, police stations, storage of critical records, and similar facilities; however, what is identified as a critical facility varies by the community (FEMA 2020e). For the California SHMP, critical facilities included State-owned or -leased facilities (e.g., correctional facilities, development centers, hospitals, migrant centers, special schools), State bridges, State highways, State dams, and State water projects

CRS – see Community Rating System

CSAC – California State Association of Counties

CSTI – California Governor's Office of Emergency Services (Cal OES) California Specialized Training Institute

CSU – California State University

CTC – California Transportation Commission

CUPA – Certified Unified Program Agency

CVFPB – Central Valley Flood Protection Board

CVFPP – see Central Valley Flood Protection Plan

dam – any artificial barrier that has the ability to capture water, wastewater, or any liquid-borne material, for the purpose of storage or control of water (FEMA 2004a)

dam failure – an uncontrolled release of captured water due to a partial or complete breach in a dam (or levee) that impacts its integrity (FEMA 2004a)

DART – see Deep-Ocean Assessment and Reporting of Tsunami

debris flow – a moving mass of loose mud, sand, soil, rock, water, and air that travels down a slope under the influence of gravity. Debris flows (commonly referred to as "mudflows") are a particularly dangerous type of landslide with increased risk to life and property because they move quickly, destroy objects in their paths, and often strike without warning. They occur in a wide variety of environments throughout the world, including the majority of the states and U.S. Territories. Debris flows generally occur during periods of intense rainfall or rapid snow melt and usually start on hillsides or mountains. Debris flows can travel up to and exceeding 35 miles per hour (mph) and may carry large items such as boulders, trees, and cars. If a debris flow enters a steep stream channel, it

can travel for several miles, impacting areas unaware of the hazard. Areas recently burned by a forest fire are especially susceptible to debris flows, including downslope and outside of the burned area (USGS 2022d)

Deep-Ocean Assessment and Reporting of Tsunami (DART) – systems to detect, measure, and report tsunamis in the open ocean in real-time

DFM – California Department of Water Resources Division of Floodplain Management

DGS – California Department of General Services

DIR – California Department of Industrial Relations

Disaster Mitigation Act of 2000 (DMA) – the latest federal legislation enacted to encourage and promote proactive, pre-disaster planning as a condition of receiving certain federal financial assistance (FEMA 2000)

diversity – physical, social, and psychological differences between people and groups with multiple subjectivities, perspectives, experiences, backgrounds, and socially constructed differences, such as varied racialized identities, ethnicities, genders, sexualities, disabilities, and other access or functional needs, mainstream language access, documentation statuses, Tribal Nation populations (federally recognized and non-federally recognized), Native or Indigenous origins, mental health, age ranges, socio-economic levels, countries of origin, cultural backgrounds, marital/parental statuses, thinking and communication styles, etc. (Cal OES internal definition)

DMA – see Disaster Mitigation Act of 2000

DOC – California Department of Conservation

DOF – California Department of Finance

DR – see Federal (or Presidential) Major Disaster Declaration

drought – based on impacts to water users, drought is a gradual phenomenon occurring slowly over time. Storage, whether in surface water reservoirs or groundwater basins, buffers drought impacts and influences the timing of those impacts. A single dry year is not a drought for most Californians because of the State's extensive system of water infrastructure and groundwater resources that help reduce the impacts (DWR 2022a)

DSOD – California Department of Water Resources Division of Safety of Dams

DTSC – California Department of Toxic Substances Control

DWR – California Department of Water Resources

EAP – see emergency action plan

earthquake – the shaking of the ground caused by an abrupt shift of rock along a fracture in the earth or a contact zone between tectonic plates (USGS 2022c)

Earthquake Brace + Bolt Program (EBB) – a program to support bolting older homes to their foundations and bracing cripple walls to reduce the likelihood that these homes will slide off their foundation during an earthquake. Retrofits must adhere to the California Existing Building Code. Since 2014 when the first EBB retrofit was completed, EBB grants have helped more than 19,000 homeowners retrofit their homes (CRMP n.d.)

EBB – see Earthquake Brace + Bolt Program

ecosystem services – ecological processes or functions having monetary or non-monetary value to individuals or society at large. These are frequently classified as: (1) supporting services such as productivity or biodiversity maintenance; (2) provisioning services such as food, fiber, or fish; (3) regulating services such as climate regulation or carbon sequestration; and (4) cultural services such as tourism or spiritual and aesthetic appreciation (EPA 2022)

EDD – California Employment Development Department

EHP – see environmental and historic preservation

electromagnetic pulse (EMP) – an intense pulse of electromagnetic radiation, especially one generated by a nuclear explosion and occurring high above the earth's surface

EM – see Federal (or Presidential) Emergency Declaration

EMAP – see Emergency Management Accreditation Program

Emergency Action Plan (EAP) – a dam Emergency Action Plan is a written document that identifies incidents that can lead to potential emergency conditions at a dam, identifies the areas that can be affected by the loss of a reservoir, and specifies pre-planned actions to be followed to minimize property damage, potential loss of infrastructure and water resource, and potential loss of life because of failure or misoperation of a dam (ASDSO 2023)

Emergency Management Accreditation Program (EMAP) – is a voluntary accreditation process based on collaboratively developed national standards. The State will seek accreditation under this program for the 2023 State Hazard Mitigation Plan (SHMP). The benefits of having an accredited plan include: providing opportunities to assess preparedness programs against established national standards; demonstrating discipline and accountability in regularly reviewing, maintaining, and documenting compliance with standards and best practices; providing a common structure for review and analysis among state and local government programs nationwide; and offering residents evidence of their government's best efforts to comply with national standards and helps standardize the field of emergency management (FEMA 2004)

Emergency Management Performance Grant (EMPG) – the Emergency

Management Performance Grant, as authorized by the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as amended (42 U.S.C. Section 5121 et seq.) and Section 662 of the Post Katrina Emergency Management Reform Act of 2006, as amended (6 U.S.C. § 762), authorizes funding to assist state, local, Tribal Nation, and territorial emergency management agencies to implement the National Preparedness System and to support the National Preparedness Goal of a secure and resilient nation. EMPG enhances emergency preparedness by providing grants that build, sustain, or close gaps in capability as identified in the relevant Stakeholder Preparedness Review

emergency planning zone (EPZ) – a zone identified to facilitate a pre-planned strategy for protective actions during a defined emergency

EMP – see electromagnetic pulse

EMPG – see Emergency Management Performance Grant

environmental and historic preservation (EHP) – an element of the Federal Emergency Management Agency (FEMA) review of sub-applications for Hazard Mitigation Assistance (HMA) grants

EPA – U.S. Environmental Protection Agency

epidemic – the spread of an infectious disease beyond a local population, reaching people in a wider geographical area. Several factors determine whether an outbreak will become an epidemic, including the ease with which the disease spreads from vectors, such as animals, to people and the ease with which it spreads from person to person (Columbia Mailman School of Public Health 2021)

EPZ – see emergency planning zone

equitable outcomes – an outcome where every individual from every demographic has the opportunity to reach their full potential resulting in more economic opportunity for everyone (Dunbar 2021)

equity – California Governor's Office of Emergency Services (Cal OES) states that "equity means that all people are justly and fairly included in society and that everyone is able to participate, prosper, and achieve their full potential. It recognizes that everyone enjoys different advantages and faces different challenges and that everyone should be treated justly and fairly, according to their circumstances," socio-historical experiences, and structurally imposed barriers. Therefore, Cal OES prioritizes actions that promote equity, foster community resilience, and protect the most vulnerable and explicitly includes communities that are disproportionately vulnerable to climate impacts

equity priority actions – actions with an assigned priority emphasizing equity (Cal OES internal definition)

equity priority communities – populations that bear a

disproportionate burden of California's emergencies, hazards, and disaster impacts because of a history of being systemically marginalized due to intersecting layers of discrimination, such as structural inequities relating to race, ethnicity, gender, sexuality, access or functional needs, mainstream language access, documentation status, Tribal Nation population experiences (federally recognized and non-federally recognized), Native or Indigenous origins, mental health, age, socio-economic status, countries of origin, religion, disability, etc. (Cal OES internal definition)

exposure – the number and dollar value of assets considered to be at risk during the occurrence of a specific hazard

extent – the size or location of an area affected by a hazard. For hazards that do not have a clearly defined extent, this definition expands to the hazard's strength or magnitude, also called the severity. For hazards in this Plan that do not have mapping, the severity discussion of the hazard profile addresses the extent

extreme cold – temperatures from winter weather associated with freezing rain, sleet, snow, and strong winds that may cause hypothermia or frostbite

extreme heat – temperatures that hover 10 °F or more above the average high temperature for a region and last for several days

Federal (Presidential) Emergency Declaration (EM) – emergency declarations supplement state and local or Tribal Nation efforts in providing emergency services, such as the protection of lives, property, public health, and safety, or to lessen or avert the threat of a catastrophe in any part of the United States. The total amount of assistance provided for in a single emergency may not exceed $5 million across the Public Assistance (PA) Categories A and B and Individual Assistance (IA) program for response and immediate recovery needs in an impacted area (FEMA 2022k)

Federal (Presidential) Major Disaster Declaration (DR) – declarations for events that cause more damage than state and local governments and resources can handle without federal government assistance. A federal disaster declaration puts into motion long-term federal recovery programs, some of which are matched by state programs, to help disaster victims, businesses, and public entities to jumpstart recovery efforts (FEMA 2022k)

Federal Fire Management Assistance Declaration (FM) – declarations for fire management assistance when the Federal Emergency Management Agency (FEMA) determines that a fire or fire complex on public or private forest land or grassland threatens such destruction as would constitute a major disaster (FEMA 2022g)

federal fire suppression authorization (FS) – authorization for a fire to qualify for the Fire Suppression Assistance Program; this program has been replaced by the Fire Management

Assistance Grant (FMAG) Program and the FS declaration has been replaced by the Federal Fire Management Assistance declaration (FM)

FEMA – Federal Emergency Management Agency

FHSZ – see Fire Hazard Severity Zone

Fire and Resource Assessment Program (FRAP) – housed within the California Department of Forestry and Fire Protection (CAL FIRE), the Fire and Resource Assessment Program assesses the amount and extent of California's forests and rangelands using geographic information system (GIS) mapping, analyzes their conditions using data analytics, and identifies alternative management and policy guidelines through assessment reports. The program also provides Forest Health Research Program grants that support scientific studies that contribute to forest health and management (CAL FIRE 2023b)

fire complex – two or more individual fire incidents located in the same general area which are assigned to a single incident commander or unified command (USDA 2006) (National Wildfire Coordinating Group 2006)

Fire Hazard Severity Zone (FHSZ) – the State Fire Marshal is mandated to classify lands within State Responsibility Areas (SRA) into Fire Hazard Severity Zones. The zones fall into three categories: moderate, high, and very high. The State's seasonally dry Mediterranean climate lends itself to wildfires. To better prepare, the California Department of Forestry and Fire Protection (CAL FIRE) is required to classify the severity of the fire hazard in areas of California. Maps are developed to represent these zones across the State using a science-based and field-tested model that assigns a hazard score based on the factors influencing fire likelihood and behavior (OSFM 2022)

Fire Management Assistance Grant (FMAG) – the Fire Management Assistance Grant Program is available to state, local, and Tribal Nation governments for the mitigation, management, and control of fires on publicly or privately owned forests or grasslands, which threaten such destruction as would constitute a major disaster (FEMA 2022e)

FIRM – see Flood Insurance Rate Map

FIS – see Flood Insurance Study

fiscal year (FY) – a set one-year period used for taxing or accounting purposes

flash flood – a flood that occurs with little or no warning when water levels rise at an extremely fast rate (National Severe Storms Laboratory 2022)

flood – the inundation of normally dry land resulting from the rising and overflowing of a body of water (National Severe Storms Laboratory 2022)

Flood Insurance Rate Map (FIRM) – the official map on which the Federal Emergency Management Agency

(FEMA) delineates the Special Flood Hazard Area (SFHA). Maps for each county in the State can be accessed online: https://msc.fema.gov/portal/advanceSearch

Flood Insurance Study (FIS) – a regulatory mapping product developed by the Federal Emergency Management Agency (FEMA) that produces a detailed written account of a flood hazard mapping study including methodologies used, sources of data, and findings for watercourses, lakes, coastal flood, and localized flooding risks with a community. The FIS report usually includes flood profile charts with detailed Base Flood Elevation (BFE) information. All FIS reports within the State can be accessed online at: https://msc.fema.gov/portal/advanceSearch

Flood Mitigation Assistance (FMA) – Flood Mitigation Assistance is a competitive grant program that provides funding to states, local communities, federally recognized Tribal Nations, and territories. Funds can be used for projects that reduce or eliminate the risk of repetitive flood damage to buildings insured by the National Flood Insurance Program (NFIP) (FEMA 2022g)

floodplain – the land area along the sides of a river that becomes inundated with water during a flood

FM – see Federal Fire Management Assistance Declaration

FMA – see Flood Mitigation Assistance

FMAG – see Fire Management Assistance Grants

FRAP – see Fire and Resource Assessment Program

freeboard – an additional height above the Base Flood Elevation (BFE) used as a safety factor in determining the level at which a structure's lowest floor must be elevated or floodproofed to be in accordance with state or local floodplain management regulations (FEMA 2020c)

frequency – how often a hazard of specific magnitude, duration, and/or extent is expected to occur on average. Statistically, a hazard with a 100-year frequency is expected to occur about once every 100 years on average and has a 1 percent chance of occurring in any given year. Frequency reliability varies depending on the type of hazard considered

frontline communities – neighborhoods or populations of people directly affected by climate change [and other hazards] and inequity in society at higher rates than people with more power in society. They are on the frontlines of the problem (NAACP 2018)

FS – see federal fire suppression authorization

Fujita tornado intensity scale – scale for rating tornado wind speeds, estimated based on damage sustained. The scale rates the intensity or severity of tornado events using numeric values from F0 to

F5 based on tornado wind speed and damage. An F0 tornado (wind speed less than 73 miles per hour (mph)) indicates minimal damage, such as broken tree limbs; an F5 tornado (wind speeds of 261 to 318 mph) indicates severe damage (Storm Prediction Center 2022)

FY – see fiscal year

g – the acceleration associated with gravity; %g is an acceleration calculated as a percentage of the acceleration of gravity

General Plan – each local government's blueprint for meeting the community's long-term vision for the future (OPR 2022a)

geographic information system (GIS) – computer software that relates data regarding physical and other features on the earth to a database for mapping and analysis (ESRI 2022)

GHG – see greenhouse gases

GIS – see geographic information system

global positioning system (GPS) – a space-based radio-navigation system consisting of a constellation of satellites broadcasting navigation signals and a network of ground stations and satellite control stations used for monitoring and control

goal – a general guideline that explains what is to be achieved. Goals are usually broad-based, long-term, policy-type statements and represent global visions. Goals help define the benefits that a plan is trying to achieve. The success of a hazard mitigation plan is measured by the degree to which its goals have been met (i.e., by the actual benefits in terms of hazard mitigation)

GO-Biz – California Governor's Office of Business and Economic Development

GPS – see global positioning system

green infrastructure – refers to ecological systems, both natural and engineered, that act as living infrastructure. Green infrastructure elements are planned and managed primarily for stormwater control but exhibit social, economic, and environmental benefits (Environmental Finance Center 2008)

greenhouse gases (GHG) – methane, nitrous oxide, and other gases that trap heat and warm the Earth, as a greenhouse traps heat from the sun (Center for Science Education 2022)

ground shaking – the result of rapid ground acceleration caused by seismic waves passing beneath buildings, roads, and other structures (USGS 2022a)

hazard – a source of potential danger or adverse condition that could harm people and/or cause property damage

Hazard Groups – the 2023 State Hazard Mitigation Plan (SHMP) Hazard Groups provided guidance and subject matter expertise for the Plan. In addition, the

Hazard Groups focused on specific hazard profiles and mitigation actions

hazard mitigation – any sustainable action that reduces or eliminates long-term risk to people, property, and the environment from future disasters. Mitigation planning breaks the cycle of disaster damage, reconstruction, and repeated damage (FEMA 2022h)

Hazard Mitigation Assistance (HMA) – a suite of grant programs that the Federal Emergency Management Agency (FEMA) sponsors that can fund proactive hazard mitigation plans and projects. These programs include the Hazard Mitigation Grant Program (HMGP), Building Resilient Infrastructure and Communities (BRIC), and Flood Mitigation Assistance (FMA) (FEMA 2022h)

Hazard Mitigation Grant Program (HMGP) – provides funding to state, local, Tribal Nation, and territorial governments so they can develop hazard mitigation plans and rebuild in a way that reduces or mitigates future disaster losses in their communities. When requested by an authorized representative, this grant funding is available after a Presidentially declared disaster (FEMA 2022i)

hazardous material – a substance or combination of substances (e.g., biological, chemical, radiological, nuclear, explosive, physical) that, because of its quantity, concentration, or physical, chemical, or infectious characteristics, has the potential to cause harm to humans, animals, or the environment, either by itself or through interaction with other factors

Hazus – a nationally standardized, geographic information system (GIS) based multi-hazard risk analysis tool developed and distributed by the Federal Emergency Management Agency (FEMA) (FEMA 2022j)

HCAI – California Department of Health Care Access and Information

HCD – California Department of Housing and Community Development

HHPD – see high hazard potential dam

High Hazard Potential Dam (HHPD) – High Hazard Potential is a classification standard for any dam whose failure or misoperation will cause loss of human life and significant property destruction (FEMA 2022n)

high-hazard dam – a dam whose failure or improper operation can cause loss of human life

HIRA – Hazard Identification and Risk Assessment

HIV/AIDS – Human Immunodeficiency Virus/Acquired Immunodeficiency Syndrome

HMA – see Hazard Mitigation Assistance

HMGP – see Hazard Mitigation Grant Program

HUD – U.S. Department of Housing and Urban Development

IA – see Individual Assistance

IBC – see International Building Code

ICARP – Integrated Climate Adaptation and Resilience Program

impact rating – the impact rating performed for the 2023 State Hazard Mitigation Plan (SHMP) is based on the fundamental definition of risk: Probability x Impact = Risk

inclusion – the California Governor's Office of Emergency Services (Cal OES) puts diversity into purposeful and meaningful action and builds a culture of belonging, respect, and connection by actively inviting the contribution and participation of all people

Individual Assistance (IA) – the Federal Emergency Management Agency (FEMA) provides assistance to individuals and families who have lost their homes due to a Presidentially declared disaster. It also helps with other needs such as disaster-caused childcare, medical expenses, or clean-up items (FEMA 2022m)

intensity – the measure of the effects of a hazard

International Building Code (IBC) – the foundation of the complete family of International Codes. It is an essential tool to preserve public health and safety that provides safeguards from hazards associated with the built environment. It addresses designing and installing innovative materials that meet or exceed public health and safety goals (International Code Council 2022)

inventory – the assets identified in a planning area. Inventories include assets that could be lost when a disaster occurs and community resources that are at risk. Assets include people, buildings, transportation, and other valued community resources

LAO – California Legislative Analyst's Office

LCP – see Local Coastal Program

levee – a man-made structure, usually an earthen embankment, used to contain, control, or divert the flow of water to try and reduce flooding risk (FEMA n.d.-c)

levee flood protection zone (LFPZ) – the maximum area that could be flooded if a levee under federal or state regulation were to fail while conveying flows at the maximum reasonable capacity

LFPZ – see levee flood protection zone

LGBTQIA+ – lesbian, gay, bisexual, transgender, queer or questioning, intersex, asexual, and more identities

LHMP – see local hazard mitigation plan

liquefaction – loosely packed, water-logged sediment that loses its strength in response to strong shaking, causing major damage during earthquakes (USGS 2022b)

LMP Unit – California Governor's Office of Emergency Services (Cal OES) Local Mitigation Planning Unit

Local Coastal Program (LCP) – local program for implementing California's Coastal Act policies

local government – any county, municipality, city, town, township, public authority, school district, special district, intrastate district, council of governments (regardless of whether the council of governments is incorporated as a non-profit corporation under State law), regional or interstate government entity, or agency or instrumentality of a local government; any Tribal Nation or authorized Tribal organization, or Alaska Native village or organization; and any rural community, unincorporated town or village, or other public entity

local hazard mitigation plan (LHMP) – a local hazard mitigation plan assesses hazard vulnerabilities and identifies mitigation actions that jurisdictions will pursue to reduce the level of injury, property damage, and community disruption that might otherwise result from such events

Local Responsibility Area (LRA) – local responsibility areas are incorporated cities, urban regions, agricultural lands, and portions of the desert where the local government is responsible for wildfire protection. Wildfire protection is typically provided by city fire departments, fire protection districts, counties, and by the California Department of Forestry and Fire Protection (CAL FIRE) under contract (CAL FIRE 2022)

LRA – see Local Responsibility Area

magnitude – the measure of the strength of an earthquake

MARAC – Mutual Aid Regional Advisory Committee

mitigation – a preventive action taken before an event to reduce or eliminate risk to life, property, or the environment

mitigation actions – specific actions to achieve goals and objectives that minimize the effects of a disaster and reduce the risk to life, property, and the environment

moment magnitude scale (Mw) – scale based on the total movement release of an earthquake. Moment is a product of the distance a fault moved, and the force required to move it. It is derived from modeling recordings of the earthquake at multiple stations. Moment magnitude estimates are similar to Richter magnitudes for small to large earthquakes (Michigan Tech 2022)

mph – miles per hour

Mw – see Moment Magnitude Scale

N/A – not applicable

NAHC – Native American Heritage Commission

NASA – National Aeronautics and Space Administration

National Earthquake Hazards Reduction Program (NEHRP) – a program to develop, disseminate, and promote knowledge, tools, and practices for earthquake risk reduction – through

coordinated, multidisciplinary, interagency partnerships among the NEHRP agencies and their stakeholders – that improve the Nation's earthquake resilience in public safety, economic strength, and national security (NEHRP 2022)

National Fire Danger Rating System (NFDRS) – a system that allows fire managers to estimate today's or tomorrow's fire danger for a given area. It combines the effects of existing and expected states of selected fire danger factors into one or more qualitative or numeric indices that reflect an area's fire protection needs. The system links an organization's readiness level (or pre-planned fire suppression actions) to the potential fire problems of the day (USFS 2022)

National Flood Insurance Program (NFIP) – provides flood insurance to property owners, renters, and businesses. This coverage helps them recover faster when floodwaters recede. The NFIP works with communities required to adopt and enforce floodplain management regulations to help mitigate flooding effects (FEMA 2022f)

nature-based solutions – sustainable planning, design, environmental management, and engineering practices that weave natural features or processes into the built environment to promote adaptation and resilience. These solutions use natural features and processes to combat climate change and reduce flood risk (FEMA 2023b)

NCEI – National Centers for Environmental Information

NEHRP – see National Earthquake Hazards Reduction Program

NFDRS – see National Fire Danger Rating System

NFIP – see National Flood Insurance Program

NGO – see non-governmental organization

NOAA – National Oceanic and Atmospheric Administration

NOFO – see notice of funding opportunity

NOI – see notice of interest

non-governmental organization (NGO) – typically non-profit entities that are independent of direct governmental influence

notice of funding opportunity (NOFO) – an agency's formally issued announcement that funding through a financial assistance program is available. A NOFO will include a description of activities and entities that are eligible to apply, as well as all other required criteria

notice of interest (NOI) – a sub-applicant's response to a notice of funding opportunity (NOFO) indicating an interest in applying for funding

NWS – National Weather Service

OAFN – California Office of Access and Functional Needs

OAL – Office of Administrative Law

objective – a measurable step you take to achieve a strategy

ODEI – California Office of Diversity, Equity, and Inclusion

OEHHA – California Office of Environmental Health Hazard Assessment

OPC – California Ocean Protection Council

OPR – California Governor's Office of Planning and Research

OSFM – California Office of the State Fire Marshal

OSHPD – California Office of Statewide Health Planning and Development

OSPR – California Office of Spill Prevention and Response

OTS – California Office of Traffic Safety

PA – see Public Assistance

pandemic – an epidemic of infectious disease that has spread through human populations across a large region, multiple continents, or worldwide (Columbia Mailman School of Public Health 2021)

particulate matter (PM) – particles of solids or liquids in the air

peak ground acceleration (PGA) – a measure of the highest amplitude of ground shaking that accompanies an earthquake, based on a percentage of the force of gravity (USGS 2019b)

PG&E – Pacific Gas and Electric Company

PGA – see peak ground acceleration

Plan or the Plan – used as a reference to the 2023 State Hazard Mitigation Plan (SHMP) within the document

PM – see particulate matter

PM_{10} – particulate matter consisting of fine particles that are 10 micrometers or less in diameter

$PM_{2.5}$ – particulate matter consisting of fine particles that are 2.5 micrometers or less in diameter

preparedness – actions that strengthen the capability of government, people, and communities to respond to disasters

probability of occurrence – a statistical measure or estimate of the likelihood that a hazard will occur. This probability is generally based on past hazard events in the area and a forecast of events that could occur in the future. A probability factor based on yearly occurrence values is used to estimate the probability of occurrence (FEMA 2022q)

PSPS – see Public Safety Power Shutoff

Public Assistance (PA) – provides supplemental grants to state, local, Tribal Nation, and territorial governments and certain types of private non-profits so communities can quickly respond to and recover from major disasters or emergencies (FEMA 2022)

Public Safety Power Shutoff (PSPS) – an intentional shutdown of electrical power in an area because of hazardous weather conditions which could contribute to the possibility of wildfires

recurrence interval – a measure based on the probability that the given hazard event will be equaled or exceeded in any given year based on past occurrences (sometimes called the return period)

recovery – within emergency management, recovery focuses on restoring, redeveloping, and revitalizing the health, social, economic, natural, and environmental fabric of a community and often begins while response to a disaster is still occurring (FEMA n.d.-a)

redlining – a discriminatory practice in which services are withheld from potential customers who reside in neighborhoods that have significant numbers of racial and ethnic minorities and low-income residents

Regional Flood Management Plan (RFMP) – regional components of the Central Valley Flood Protection Plan (CVFPP) identifying and describing region-specific challenges, priorities, and accomplishments (DWR 2023)

repetitive loss (RL) property – any National Flood Insurance Program (NFIP) insured property that, since 1978 and regardless of any changes of ownership during that period, has experienced: four or more paid flood losses in excess of $1,000; or two paid flood losses in excess of $1,000 within any 10-year period since 1978; or three or more paid losses that equal or exceed the current value of the insured property (NFIP/CRS 2015)

request for information (RFI) – a request from a grant funding review agency to a funding applicant asking for the submittal of any items missing from a grant application

resilience – the capacity of people, organizations, or systems to adapt to changing conditions and withstand and/or rapidly recover from disruption due to an emergency

RFI – see request for information

RFMP – see Regional Flood Management Plan

risk – the estimated impact a hazard would have on a community's people, services, facilities, and structures. Risk measures the likelihood of a hazard occurring and resulting in an adverse condition that causes injury or damage. Risk is often expressed in relative terms, such as a low, moderate, or high likelihood of sustaining damage above a particular threshold due to the occurrence of a specific type of hazard. Risk also can be expressed in terms of potential monetary losses associated with the intensity of the hazard

risk assessment – the process of measuring the potential loss of life, personal injury, economic injury, and property damage resulting from

hazards. This process assesses the vulnerability of people, buildings, and infrastructure to hazards

risk ranking – process to score and rank hazards based on the probability that they will occur and the impact they will have if they do

riverine – of or produced by a river. Riverine floodplains have readily identifiable channels

RL – see repetitive loss property

Robert T. Stafford Act (Robert T. Stafford Disaster Relief and Emergency Assistance Act, Public Law 100-707) – the statutory authority for most federal disaster response activities, especially as they pertain to the Federal Emergency Management Agency (FEMA) and its programs. Signed into law November 23, 1988; amended by the Disaster Relief Act of 1974 (Public Law 93-288)

SB – see Senate Bill

sea-level rise – the average increase in the water level of the Earth's oceans

seiche – a standing wave in an enclosed or partially enclosed body of water, such as a lake, harbor, or reservoir (Pacific Northwest Seismic Network 2022)

SEMS – see Standardized Emergency Management System

Senate Bill (SB) – a draft of a proposed law introduced by a Member of the California State Senate

SEP – see State Emergency Plan

severe repetitive loss (SRL) property – any National Flood Insurance Program (NFIP) insured residential building that has incurred flood-related damage for which four or more claims payments have been made, with the amount of each claim exceeding $5,000 and the cumulative amount exceeding $20,000; or for which at least two claims payments have been made under NFIP coverage with the cumulative amount exceeding the market value of the building (NFIP/CRS 2015)

SFHA – see Special Flood Hazard Area

SGC – California Strategic Growth Council

SHMP – see State Hazard Mitigation Plan

significant hazard dam – a dam that can cause economic loss, environmental damage, or disruption of lifeline facilities or can impact other concerns, but not necessarily the loss of life

SLC – California State Lands Commission

SMGB – California State Mining and Geology Board

SMP Unit – California Governor's Office of Emergency Services (Cal OES) State Mitigation Planning Unit

SNC – Sierra Nevada Conservancy

SoCalGas – Southern California Gas

social vulnerability – as defined by the Federal Emergency Management

Agency (FEMA), the susceptibility of social groups to the adverse impacts of natural hazards, including disproportionate death, injury, loss, or disruption of livelihood (FEMA n.d.-b)

Social Vulnerability Index (SVI) – an indicator of areas of vulnerability based on 15 factors ranging across household composition, minority status, and access to transportation (CDC 2022a)

SPC – National Weather Service Storm Prediction Center

Special Flood Hazard Area (SFHA) – areas that will be inundated by the flood event having a 1 percent chance of being equaled or exceeded in any given year (FEMA 2020d)

Sperry-Piltz Ice Accumulation Index (SPIA) – a system for predicting the projected footprint, total ice accumulation, and resulting potential damage from incoming ice storms (SPIA Index n.d.)

SPFC – see State Plan of Flood Control

SPIA – Sperry-Piltz Ice Accumulation index

SRA – see State Responsibility Area

SRL – see severe repetitive loss property

SSC – California Seismic Safety Commission

stakeholder – business leaders, civic groups, academia, non-profit organizations, major employers, managers of critical facilities, farmers, developers, special purpose districts, and others whose actions could impact hazard mitigation efforts

Standardized Emergency Management System (SEMS) – the cornerstone of California's emergency response system and the fundamental structure for the response phase of emergency management. The system unifies all elements of California's emergency management community into one integrated system and standardizes key elements (Cal OES 2022)

State Emergency Plan (SEP) – the plan is a California Emergency Services Act (ESA) requirement and describes methods for conducting emergency operations. The State Emergency Plan details the process for rendering mutual aid and describes the roles and responsibilities of State government agencies during emergencies (Cal OES 2023a)

State Hazard Mitigation Plan (SHMP) – identifies hazards and associated vulnerabilities within the State and provides a comprehensive statewide strategy to reduce future disaster losses through sound mitigation projects (FEMA 2023c)

State Parks – California Department of Parks and Recreation

State Plan of Flood Control (SPFC) – a program of flood control projects developed under the Central Valley Flood Protection Plan (CVFPP)

State Responsibility Area (SRA) – State Responsibility Areas are areas where the state has financial responsibility for

wildfire protection and prevention. Within these, the California Department of Forestry and Fire Protection (CAL FIRE) is responsible for fire prevention and suppression (CAL FIRE 2022)

subsidence – the caving in or sinking of an area of land (USGS 2022e)

surface fault rupture – an offset of the ground surface when a fault rupture extends to the Earth's surface (Pacific Northwest Seismic Network 2022a)

sustainability – refers to an overarching concept within which disaster management takes place. A well-known definition of sustainability comes from the World Commission on Environment and Development, which states that sustainable development meets the needs of the present without compromising the ability of future generations to meet their own needs (Brundtland Commission 1987). This vision was articulated at a finer level by the National Commission on the Environment, which suggested that sustainability is a strategy for improving the quality of life while preserving the environmental potential for the future, of living off interest rather than consuming natural capital (National Commission on the Environment 1992). For the purpose of this State Hazard Mitigation Plan (SHMP), the Climate Impacts Working group refined the term "sustainability" to include these previous definitions and the idea of preservation of resources, including physical, social, economic, environmental, historical, and cultural, for the benefit of future generations. One of the paths to sustainability is through investment in strong disaster mitigation

SVI – see Social Vulnerability Index

SWPC – Space Weather Prediction Center

TAWC – technical assistance working committee

THIRA – see Threat and Hazard Identification and Risk Assessment

Threat and Hazard Identification and Risk Assessment (THIRA) – a three-step risk assessment process that helps communities understand their risks and what they need to do to address those risks

tsunami – a series of waves in a body of water caused by the displacement of a large volume of water, generally in an ocean or a large lake, often caused by earthquakes or undersea volcanic eruptions

U.S. – United States

U.S. Drought Monitor – the U.S. Drought Monitor is a map updated each Thursday to show the location and intensity of drought across the country. The monitor uses a five-category system, labeled Abnormally Dry or D0 (a precursor to drought, not actually drought), Moderate (D1), Severe (D2), Extreme (D3), and Exceptional (D4) Drought. Drought categories show experts' assessments of conditions related to dryness and drought, including observations of how much water is available in streams, lakes, and

soils compared to usual for the same time of year (NIDIS 2022)

UC – University of California

UCERF3 – see Uniform California Earthquake Rupture Forecast

underserved/underrepresented communities – for the 2023 State Hazard Mitigation Plan (SHMP), this term has been defined to include rural communities, migrant and seasonal agricultural workers, individuals living in group quarters, and individuals living in mobile or manufactured homes

Uniform California Earthquake Rupture Forecast (UCERF) – a model providing authoritative estimates of the magnitude, location, and time-averaged frequency of potentially damaging earthquakes in California; UCERF3 is version 3 of the model

unreinforced masonry building (URM) – a building where load-bearing walls, non-load-bearing walls, or other structures, such as chimneys, are made of brick, cinderblock, tiles, adobe, or other masonry material that is not braced by reinforcing material, such as rebar in concrete or cinderblock. As these buildings were not constructed according to modern building codes, they are more likely to be damaged or collapse during a hazard event like an earthquake

URM – see unreinforced masonry building

USACE – U.S. Army Corps of Engineers

USDA – U.S. Department of Agriculture

USGS – U.S. Geological Survey

vulnerability – an assessment of how susceptible an asset is to damage based on its construction, contents, and the economic value of its functions

watershed – an area that drains downgradient from areas of higher land to areas of lower land to the lowest point

Watershed Emergency Response Team (WERT) – a team deployed to conduct post-fire assessments and identify types and locations of threats to life-safety and property from debris flows, flooding, rockfall, and surface erosion that are elevated due to wildfire

WCB – California Wildlife Conservation Board

WERT – see Watershed Emergency Response Team

West Nile Virus (WNV) – a virus transmitted by mosquitoes, usually between birds, but sometimes causing epidemics of disease (typically fever or encephalitis) in humans and horses

whole community – a term coined by the Federal Emergency Management Agency (FEMA) to support its preparedness initiatives. "Whole community" includes individuals and families from all aspects of society such as individuals with access or functional needs including people with disabilities, and people from various businesses, faith-based and community

organizations, non-profit groups, schools and academia, media outlets, and all levels of government, including state, local, Tribal Nation, territorial, and federal partners (FEMA 2020a)

wildland urban interface (WUI) – the transition zone between unoccupied land and human development. It is the line, area, or zone where structures and other human development meet or intermingle with undeveloped wildland or vegetative fuels (U.S. Fire Administration 2022)

WNV – see West Nile Virus

Working Groups – the 2023 State Hazard Mitigation Plan (SHMP) Working Groups provided guidance and subject matter expertise for the Plan. The Working Groups evaluated overarching themes integrated throughout the 2023 SHMP

WUI – see wildland urban interface

Zone X – area determined to be outside the 1% and 0.2% annual chance floodplains (FEMA 2020d)

zoning ordinance – an ordinance that designates allowable land use and intensities for a local jurisdiction

Appendix B. **Equity, Social Vulnerability, and Environmental Justice**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

B. EQUITY, SOCIAL VULNERABILITY, AND ENVIRONMENTAL JUSTICE

Disasters disproportionately impact historically marginalized and systemically underserved populations. The intersection of location, ability, age, class, race, ethnicity, nationality, gender, sexuality, spoken language, and economic status compounds the lived experience of people impacted by disasters across all phases of emergency management. Higher-risk populations may face increased difficulties obtaining supplies to prepare for a disaster or may have physical limitations that create barriers when trying to escape danger. Communities with fewer resources, or who have been historically excluded from accessing resources, may have had fewer opportunities to undertake projects that will reduce risk to their communities, resulting in more severe impacts when hazard events occur and longer, more costly post-disaster recovery.

Equity and Social Vulnerability Definitions

Socially Vulnerable Populations refers to individuals and groups who have access and functional needs, such as, but not limited to, people without vehicles, people with disabilities, older adults, and people with limited English proficiency.

- Underserved Communities refers to populations and geographic communities sharing characteristics that have been systematically denied a full opportunity to participate in aspects of economic, social, or civic life (Federal Register 2021).
- Underrepresented Communities refers to populations or groups lacking historical or current representation in decision-making or aspects of economic, social, or civic life.
- Historically Marginalized Communities refers to groups and communities that experience discrimination and exclusion because of unequal power relationships across economic, political, social, and cultural dimensions.
- Equity Priority Communities are populations that bear a disproportionate burden of emergencies, disasters, and hazard impacts because of a history of being systemically marginalized due to intersecting layers of discrimination, such as structural inequities relating to race, ethnicity, gender, sexuality, access or functional needs, mainstream language access, documentation status, Tribal population experiences (federally recognized and non-federally recognized Tribes), Native or Indigenous origins, mental health, age, socio-economic status, countries of origin, religion, disability, etc.

Identifying populations and communities with a disproportionately higher vulnerability to impacts from natural hazards equips decision makers with localized data necessary to achieve equitable outcomes. This includes identifying populations based on demographic information such as age, income, and race, as well as identifying communities where data may not be as readily available, such as refugee and undocumented populations.

Any individual in any one community may have multiple traits or parts of their identity that can complicate and compound variables of vulnerability. The concept of "intersectionality," coined by law professor Kimberlé Crenshaw, has been used to highlight how discrimination based on socially constructed forms of difference and identity overlap and can increase negative impacts. These impacts can produce culminating forms of oppression, heightening the effects of discrimination, exclusion, social inequities, and systemic injustice in the lives of specific individuals (Crenshaw 1989), (Mendez, Flores-Haro and Zucker 2020). An intersectional approach to hazard mitigation emphasizes how certain people suffer worse effects because of overlapping factors that are often measured separately (Kajiser and Kronsell 2014), (Mendez, Flores-Haro and Zucker 2020). In order to make emergency management more equity-centered, efforts should include an analysis of the intersecting, institutional issues of racism, classism, sexism, ageism, ableism, etc. and how these systemic inequities can affect hazard mitigation (Jacobs 2019).

B.1. SOCIALLY VULNERABLE POPULATIONS

Social vulnerability is the likelihood of an individual, community, or group to be negatively affected by external stressors, creating barriers to the community's resilience and ability to recover from a disaster or emergency. These external stressors may include access to transportation, access to broadband and reliable communications services, or socioeconomic factors (e.g., income, educational attainment, employment).

The ability of an individual or community to withstand and quickly recover from hazards and threats is critical to ensuring the overall safety of the State. Although emergency managers, first responders, and a host of other organizations play a vital role in protecting public safety, individual and community preparedness are central to the whole community having the ability to adapt and recover from disasters. The same disaster or emergency can impact different populations in different ways. For example, differences in age, income, disabilities, and English proficiency affect people's ability to cope with the effects of disasters. Individuals may also face

compounding barriers because they may fall within multiple categories of vulnerability. Studies have indicated that as local hazard damages increase, so does wealth inequality, especially along the lines of race, education, and home ownership (Howell and Elliot 2018).

Examples of Socially Vulnerable Populations

- Children (aged 5 years and under) are dependent on others to safely access resources during emergencies.
- Older adults (aged 65 and over) are more likely to lack the physical and economic resources necessary for response to hazard events.
- Economically disadvantaged populations are likely to lack the resources to adequately prepare for and respond to hazards.
- People with disabilities may be faced with increased levels of cognitive and physical difficulty, which may reduce their capacity to receive, process, and respond to emergency information and warnings.
- Individuals with limited English proficiency may have difficulty with understanding information being conveyed to them. Cultural differences can also add complexity to how information is being conveyed to populations with limited English proficiency.

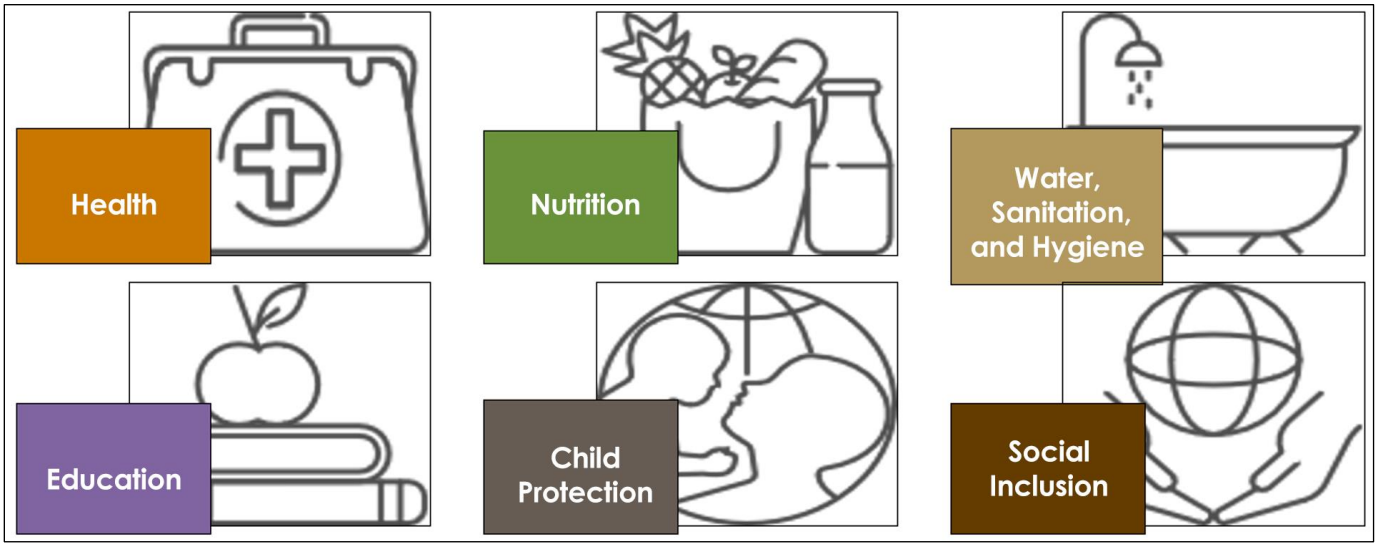
Source: (CDC 2020)

B.1.1. Children

Risk is disproportionately higher for children due to their dependency on others to safely access resources during emergencies and the potential for long-term impacts of trauma experienced during a crisis. During an emergency, children may not be able to avoid hazards, make critical decisions for their safety, or communicate with emergency workers. These vulnerabilities can reach beyond the disaster events. Extended disruptions in education systems during recovery can have lifelong impacts on the developmental capabilities and mental health of children. Additionally, children may experience increased health risks from exposure to hazards. This includes physical, mental, and behavioral health risks such as losing body heat quicker than adults, experiencing feelings of loss of a sense of control, understanding less about the situation, and having fewer previous experiences of recovering from similar situations (CDC 2020a). Strategies such as child-centered disaster risk reduction prioritize

preparing and protecting children by focusing on six sectors where children have the highest vulnerabilities, as shown in Figure B-1.

Figure B-1. Sectors in Which Children Have the Highest Vulnerabilities



Source: (CDC 2020a)

B.1.2. Older Adults

Older adults are susceptible to increased risks associated with health, finances, mobility, and other factors. Those living on their own may have more difficulty evacuating their homes, and those living in group quarters, such as senior care and adult living centers, rely on facility operators executing emergency preparedness measures. Older adults may face greater limitations with driving or lack access to transportation and therefore require special evacuation plans. They may be hard of hearing or blind or have vision or cognitive disabilities that could make receiving emergency instructions difficult. Older adults may have other medical needs that may be hard to accommodate when evacuating and seeking shelter.

B.1.3. Persons With Disabilities

The U.S. Centers for Disease Control and Prevention (CDC) defines a disability as a "condition of the body or mind (impairment) that makes it more difficult for the person with the condition to do certain activities (activity limitation) and interact with the world around them (participation restrictions)" (CDC 2020b). These "impairments" may increase the level of difficulty that individuals face during a hazard event. Cognitive disabilities may reduce an individual's capacity to receive, process, and respond to emergency information or warnings. Individuals with a physical or sensory disability

may face issues of mobility, sight, hearing, or reliance on specialized equipment. During emergencies, communications, transportation, and sheltering can be a major barrier and challenge for these individuals. Communications should incorporate considerations to ensure that messaging is effective, understood, consumable, and actionable. In addition to access to transportation, individuals with disabilities may require transportation of medical equipment, and sheltering locations should be accessible (Cal OES 2023b).

B.1.4. Economically Disadvantaged

Limited finances pose a barrier to obtaining resources to prepare for disasters. Individuals and households with financial challenges are likely to make decisions based on the major economic impact to their family, including determining if they have the financial means to safely evacuate. Day-to-day needs such as food and shelter often take priority over preparing emergency kits or stocking up supplies and food for disasters.

B.1.5. Persons With Limited Access to Transportation

Individuals with limited access to transportation face a higher risk during all phases of an emergency. During emergencies and disasters, public transportation services may be suspended or limited. This creates additional barriers for those who rely on public transportation or those who require specialized transportation due to mobility or medical needs. Individuals who have limited access to transportation may be unable to evacuate and forced to shelter in place until they receive additional assistance. First responders may be unable to render assistance due to inaccessible roadways or other conditions present during an emergency or disaster. In addition, remaining in place can contribute to crowding during an emergency. During the recovery phase of a disaster, people with limited access to transportation experience increased difficulty in accessing employment, healthcare, food, and other essentials.

B.1.6. Limited English Proficiency

Individuals who or do not possess a working proficiency in English may have difficulty understanding information being conveyed to them. Cultural differences can also add complexity to how information is being conveyed to populations with limited English proficiency (CDC 2022b). In certain instances, translating materials from one language to another without additional cultural context can result in the wrong message being communicated.

B.1.7. Individuals Experiencing Homelessness

Many people lack access to a well-built, permanent residential structure, making them more likely to experience a disaster and more vulnerable to those disasters. Lacking access to a well-built home increases risk of atmospheric hazards such as extreme temperatures, precipitation, and harmful air quality, as well as other disasters such as wildfire and earthquakes. Many people experiencing homelessness rely on public services that can be disrupted during any type of emergency. Many of those vital services are provided in high-density situations, such as community shelters, which can make accessing those services difficult during disease outbreaks. Individuals lacking a permanent or semi-permanent location can be harder to locate to provide emergency services, such as evacuation assistance, personal protective equipment, or other infrastructure and services that can help individuals prepare for, respond to, and recover from disasters.

In addition to facing greater risk of experiencing a disaster, people experiencing homelessness have greater vulnerability during disasters. They typically have one or more identities that can make them more vulnerable to disasters than the general population, such as lack of access to economic resources, having access or functional needs, being part of a historically marginalized community, or having chronic or acute health conditions.

B.2. UNDERSERVED AND UNDERREPRESENTED COMMUNITIES

B.2.1. Rural Communities

In rural communities, the population is widely dispersed, which poses challenges for governments in disseminating critical information during emergencies and disasters. The infrastructure for communications and warning systems may be limited or non-existent in some areas. Additionally, individuals living in rural communities may have increased travel times to access resources such as housing, employment, and medical services after a disaster. These communities often rely on volunteer emergency service workers, which can lead to limited service during a wide-spread emergency. If transportation networks are impacted or impassible, these individuals could be completely isolated, and first responders and other service providers may not be able to access these communities.

B.2.2. Migrant and Seasonal Agricultural Workers

Agricultural workers are at a higher risk of no-notice natural disasters and exposure to environmental hazards because they work outdoors and because of social factors that increase the risk to migrant and seasonal agricultural workers. Language barriers pose a significant challenge for disseminating preparedness and emergency information to many of these workers as many communicate with languages that are typically underrepresented in contractor translation services, such as Indigenous languages of Mexico, which primarily include spoken-only languages that have many dialects within each language group (e.g., Mixteco, Zapateco, Triqui, Purépecha, etc.)(Méndez M, Flores-Haro G, Zucker L. 2020). Distrust of government and lack of integration into the local community also result in migrant and seasonal agricultural workers being ill-prepared for disasters and localized emergencies and may cause them not to seek medical attention or shelter (Rosenbaum 2018).

B.2.3. Individuals Living in Group Quarters

"Group quarters" refers to people living in communal settings, which can include people experiencing incarceration, students in a dorm, older adults, and individuals with access or functional needs living in group care facilities. The concentration of multiple individuals within one location compounds the impacts of a disaster should the structure incur damage. Where group quarters house individuals with access or functional needs, residents may require additional assistance with evacuating due to mobility or cognitive disabilities, or medical requirements. It is important to ensure that each group quarters facility has its own emergency plan to account for the individual needs of its residents during a hazard event.

B.2.4. Individuals Living in Mobile/Manufactured Homes

Mobile and manufactured homes can increase physical risks to residents due to their construction. These structures are more vulnerable to damage from many disasters, including wildfire, winds, and earthquakes, and are often more difficult to rebuild after a flood, potentially requiring replacement. Without enough affordable, sustainable housing, mobile and manufactured home residents displaced by disasters may not be able to secure housing. These residents may have to locate farther away from employers, face long-term displacement, relocate out of the area completely, or face homelessness.

Mobile home parks may be located in areas zoned for commercial or industrial purposes, where the prevalence of environmental hazards increases risks to those residing within these areas.

How Disasters Impact Equity Priority Communities

Equity priority communities are especially vulnerable to hazard events in a variety of different ways:

- When a disaster impacts an area where multiple families live in one structure, it may be difficult for those not listed on the lease to prove that they were affected by the event. This could result in the lack of access to services.
- Disasters quickly increase the prices of housing and rent, which further displaces people already affected by the event.
- Homelessness can increase.
- It can take days to translate information into languages other than English, hindering communication about evacuations and health and safety alerts.
- Indigenous populations may lose sacred sites. Fisheries and hunting and gathering grounds may be degraded.
- Older adults may struggle with mobility, which can slow or prevent evacuation.

B.3. HISTORICALLY MARGINALIZED COMMUNITIES

B.3.1. Black, Indigenous, and People of Color (BIPOC)

BIPOC populations often make up frontline communities, which are "neighborhoods or populations of people who are directly affected by climate change and inequity in society at higher rates than people who have more power in society. They are on the frontlines of the problem" (NAACP 2018). BIPOC communities are likely to be the first to feel the impacts of climate change and disasters. Structural and institutional inequities often create barriers that prevent these populations from being adequately prepared to withstand and recover from a disaster. "Decades of underinvestment and unjust systems have left frontline communities with high levels of poverty and pollution, a lack of quality jobs and education opportunities, outdated and weak critical infrastructure, disproportionately high costs for energy, transportation and basic necessities, and limited access to public services" (The Greenlining Institute 2019).

The social, political, and economic history of a community can have lasting impacts that perpetuate the oppression of BIPOC populations in present day. Discriminatory

housing policies, such as redlining, can result in vulnerable BIPOC populations residing in hazard-prone areas or with housing options that are lower quality and do not provide adequate physical protection against natural hazards (NAACP 2018). Redlining is a discriminatory practice in which services are withheld from potential customers who reside in neighborhoods classified as hazardous to investment, often due to significant numbers of racial and ethnic minorities and low-income residents. The historical practice of redlining still has lasting impacts and leads to increased risk and vulnerability of BIPOC communities.

B.3.2. Lesbian, Gay, Bisexual, Transgender, Queer or Questioning, Intersex, Asexual, and Additional Identities (LGBTQIA+)

Historical discriminatory practices and policies toward LGBTQIA+ communities have lasting impacts on present-day disaster management. These communities may be excluded from safe, affordable housing options and therefore reside in higher-risk, hazard-prone areas with lower-quality housing (NAACP 2018). Access to safe and adequate sheltering is a concern for LGBTQIA+ communities. Some shelters might refuse to accept transgender or gender non-conforming individuals, resulting in these individuals being physically exposed to hazards. When LGBTQIA+ individuals are admitted to a shelter during an emergency, they may face discrimination leading to additional concerns regarding safety and access to medical services. These considerations should be incorporated into State and local sheltering plans.

Appendix C. **Emergency Management Accreditation Program**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

C. EMERGENCY MANAGEMENT ACCREDITATION PROGRAM

The Emergency Management Accreditation Program (EMAP) is a voluntary program with the intent to evaluate federal, state, local, Tribal, and higher education emergency management programs based on a set of 66 standards designed to identify opportunities for continuous improvement. The State of California first received accreditation in 2012 and was reaccredited in 2017 and 2023.

The *Emergency Management Standard* covers the following topic areas:

- Program management, administration and finance, and laws and authorities
- Hazard identification, risk assessment, and consequence analysis
- Hazard mitigation
- Prevention
- Operational planning and procedures
- Incident management
- Resource management, mutual aid, and logistics
- Communications and warning
- Facilities
- Training
- Exercises, evaluations, and corrective action
- Emergency public education and information

These areas are evaluated to promote excellence and accountability within the emergency management program and may serve to inform strategic planning, improvement efforts, and resource allocations.

Standards that are inclusive of mitigation efforts include provisions for goal setting and developing Hazard Identification and Risk Assessment (HIRA) and Consequence Analysis. In addition to these components, the standards call for the emergency management program to have a mitigation program that addresses the vulnerabilities identified in the HIRA. Compliance with the hazard mitigation relevant standards in the *2019 EMAP Standard* is demonstrated below.

Standard 4.1.1

The Emergency Management Program identifies the natural and human-caused hazards that potentially impact the jurisdiction using multiple sources. The Emergency Management Program assesses the risk and vulnerability of people, property, the environment, and its own operations from these hazards.

Chapters 5 through 40 of the 2023 State Hazard Mitigation Plan (SHMP) profile 34 natural, meteorologic, biologic, human-caused, and technological hazards impacting the State of California. These hazards were identified based on California's hazard history statewide and locally, climate change projections, stakeholder input, and technical analysis. The identification of hazards is detailed further in Chapter 2, Chapter 4, and Appendix L.

The hazard profiles in Chapters 5 through 40 include an impact and vulnerability analysis to evaluate the risk and vulnerability of people, State-owned or -leased property and the environment.

Standard 4.1.2

The Emergency Management Program conducts a consequence analysis for the hazards identified in Standard 4.1.1 to consider the impact on the following:

- Public
- Responders
- Continuity of operations, including continued delivery of services
- Property, facilities, and infrastructure
- Environment
- Economic condition of the jurisdiction
- Public confidence in the jurisdiction's governance

The Consequence Analysis for each hazard is located in Table C-1.

Standard 4.1.3

The Emergency Management Program has a maintenance process for its Hazard Identification and Risk Assessment identified in Standard 4.1.1 and the Consequence Analysis identified in Standard 4.1.2, which includes a method and schedule for evaluation and revision.

The monitoring, maintenance, and update plan for the 2023 SHMP are detailed in Chapter 48. The strategy to ensure the entire SHMP, including the HIRA and Consequence Analysis, remains current and calls for annual meetings of stakeholders and subject matter experts. During these annual meetings, participants will discuss advances in hazard knowledge, changes in state and federal legislation, and the performance of mitigation projects during hazard events.

Additionally, the California Governor's Office of Emergency Services (Cal OES) will develop a five-year maintenance milestone schedule to guide the maintenance and implementation of the SHMP. The schedule is located in Chapter 48 and will be reviewed and updated during each annual meeting.

Standard 4.2.1

The Emergency Management Program has a plan to implement mitigation projects and sets priorities based on loss reduction. The plan:

- Is based on the natural and human-caused hazards identified in Standard 4.1.1 and the risk and consequences of those hazards
- Is developed through formal planning processes involving Emergency Management Program stakeholders
- Establishes short and long-term strategies, actions, goals, and objectives

The SHMP itself and the goals specified in Chapter 44 and mitigation actions in Chapter 47 of the 2023 SHMP are both developed in a manner to include the *EMAP Standards*, which require a formal planning process to develop a plan to implement mitigation projects and set priorities. The overall SHMP planning process is documented in Section 1.2. The goals are developed in a manner to allow for the development of short- and long-term objectives and mitigation strategies to align with the goal. This method is detailed in Chapter 44.

Standard 4.2.2

The Emergency Management Program documents project ranking based upon the greatest opportunity for loss reduction and documents how specific mitigation actions contribute to overall risk reduction.

The process for prioritizing mitigation actions for inclusion in the 2023 SHMP is documented in Section 47.2. Although all mitigation projects seeking Federal

Emergency Management Agency (FEMA) Hazard Mitigation Assistance (HMA) funding must be included in the SHMP, Cal OES also provides guidelines for reviewing and ranking activities and projects put forth by State agencies, local jurisdictions, Tribal Nations, and other eligible entities. This criterion is stated in Section 54.2.

Standard 4.2.3

The Emergency Management Program has a process to monitor the overall progress of the mitigation activities and documents completed initiatives and their resulting reduction or limitation of hazard impact on the jurisdiction.

In addition to the maintenance strategy in Chapter 48, Cal OES follows a three-level assessment process to evaluate the effectiveness of mitigation activities when the activity is tested by a real-world event. The assessment process includes identifying mitigation activities within the vicinity of the impact area, reviewing the scope of work of identified projects in coordination with subject matter experts, and completing a Loss Avoidance Study to estimate the dollar value of damages that would have occurred if the site or structure remained in its pre-mitigation state. Additional information on the process for documenting losses avoided is available in Section 54.3.

Standard 4.2.4

The Emergency Management Program, consistent with the scope of the mitigation program does the following:

- Identifies ongoing mitigation opportunities and tracks repetitive loss (RL)
- Provides technical assistance in implementing mitigation codes and ordinances
- Participates in jurisdictional and multi-jurisdictional mitigation efforts

California's status as an Enhanced hazard mitigation plan state lends itself to robust interagency coordination and aggressive risk reduction efforts. The State's capabilities include an active National Flood Insurance Program (NFIP) and widespread community participation in the Community Rating System (CRS) program to aid in tracking repetitive loss and identifying opportunities for further minimization of the risk. The State's capabilities and efforts aimed at reducing vulnerability and building resilience are described throughout the SHMP and, more specifically, in Chapters 42, 46, 53, and 54.

Standard 4.2.5

The Emergency Management Program has a maintenance process for the plan identified in Standard 4.2.1, which includes a method and schedule for evaluation and revision.

The process for monitoring, maintaining, and updating the SHMP is inclusive of the process for updating the HIRA and Consequence Analysis described previously. The process is detailed in Chapter 48. The strategy to ensure the entire SHMP remains current calls for annual meetings of stakeholders and subject matter experts. During these annual meetings, participants will discuss advances in hazard knowledge, changes in State and federal legislation, and the performance of mitigation projects during hazard events.

Additionally, Cal OES will develop a five-year maintenance milestone schedule to guide the maintenance and implementation of the SHMP. The schedule is located in Chapter 48 and will be reviewed and updated during each annual meeting.

Table C-1. Consequence Analysis

Subject	Impacts
Air Pollution	
Public	The California Air Resources Board (CARB) identifies about 200 toxic air contaminants that may cause serious, long-term effects, such as cancer, even at low levels. Most toxic air contaminants have no known safe levels, and some may accumulate in the body from repeated exposures. Air monitoring in California shows over 90 percent of residents breathe unhealthy levels of one or more air pollutants during some part of the year (CARB 2023).
Responders	First responders may experience an increase in calls for service to perform welfare checks; provide care to people experiencing a respiratory medical emergency; and support overall public safety efforts during an air pollution event. Responders will face increased exposure due to the need to respond to these events and require equipment to remain safe.
Continuity of operations (including continued delivery of services)	Public services may be interrupted when a building's ventilation system cannot filter the air, and the building is subsequently closed.

Subject	Impacts
Property, Facilities, and Infrastructure	Some air pollution, such as acid rain, can corrode building materials, requiring costly structural repairs. When outdoor air is polluted, ventilation systems may not be able to filter the air coming inside, posing a health risk to people inside (EPA 2023). All structures have the potential to be exposed to air pollution.
Environment	Several secondary effects of air pollution that would negatively impact the environment include acid rain, which could cause damage to trees, soils, crops, and water bodies (eutrophication); harm to wildlife due to concentrations of air toxins.
Economic Condition of the State	The State may experience economic losses during air pollution events due to people modifying their normal behaviors, such as visiting businesses, due to poor air quality.
Public Confidence in State Governance	The State's management of response and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Civil Disorder	
Public	Civil disorder incidents can lead to injury or death for involved persons and innocent bystanders. The number of people exposed to a civil disorder depends on the population density and the location of the civil disorder. Increases in population or the hosting of major political, economic, or social events could increase the likelihood and severity of a civil disorder incident.
Responders	If a civil disorder event turns violent, it can lead to injury or death for personnel responding to the incident.
Continuity of operations (including continued delivery of services)	State-owned or -leased facilities are often targets of civil disorders, making them more vulnerable to the effects of these events. They often become the focus of these types of events and disruptions in service may occur, resulting in utility failure and transportation interruption.
Property, Facilities, and Infrastructure	State-owned or -leased facilities are often targets of civil disorders, making them more vulnerable to the effects of these events. They often become the focus of these types of events. Critical facilities and community lifelines can become targets during civil unrest, resulting in utility failure and transportation interruption.
Environment	Civil unrest can result in environmental impacts, but they are likely to be limited. Fires that are started during civil unrest events can spread throughout cities, burning through areas that may include natural resources or hazardous materials and facilities.
Economic Condition of the State	Fires set by protesters can spread through communities, damaging homes and businesses.

Subject	Impacts
Public Confidence in State Governance	The perception of how well the State responds to and recovers from civil disorder will directly impact the public's confidence in State governance. Indications that the State was not well prepared and equipped to manage the response and recovery process will harm the State's reputation. Counter to that, a well-executed response and proper management of the event will boost public confidence in State governance. A well-executed response to a civil disorder incident may include preventing violence, restoring services, making repairs promptly, and ensuring community concerns are heard.
Cyber Threats	
Public	Cyber threats can vary in severity based on the systems affected by an attack, the warning time, and the ability to preempt an attack (CISA 2021). These factors impact the potential for a cyber-attack to have impacts on public health and safety, national security, economic security, foreign relations, civil liberties, and public confidence. Impacts to the public ranges from being inconsequential to resulting in an imminent threat to services, government stability, and life.
Responders	Responders may be susceptible to their computer systems also being a target for cyber-attacks; however, no direct physical impacts are anticipated.
Continuity of operations (including continued delivery of services)	The systems within State-owned or -leased facilities may serve as targets for cyber-attacks. Cyber-attacks on these systems can potentially disrupt daily operations and electronic functions throughout the State. These disruptions could last several months, and State agencies may lose access to their systems.
Property, Facilities, and Infrastructure	While the physical structures of the buildings are typically not at risk, information systems and data storage within those buildings are vulnerable. Computer networks may contain sensitive information and data, making them targets for cyber-attacks.
Environment	Cyber threats generally do not have direct impacts on the environment; however, computer system failures have the potential to result in hazards such as energy outages at wastewater treatment plants resulting in the release of untreated effluent; hazardous materials release; oil spills; and impacts to gas pipes.
Economic Condition of the State	A large-scale cyber incident could lead to significant economic losses to impacted State departments and agencies, businesses, and other industries.
Public Confidence in State Governance	The State's management of preparedness, response, and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust

Subject	Impacts
Dam Failure	
Public	Dam failure can significantly impact the public based on the warning time, size, and location of the dam. The public is at risk of injury, loss of life, and destruction and loss of property due to flooding caused by dam failure.
Responders	Responders may be faced with assisting with evacuation for dam failure incidents that have sufficient warning for evacuation. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	The impacts on the continuity of operations would be limited unless a facility or critical infrastructure component is within the dam failure inundation zone associated with the dam failure. Delivery of services may be slowed or halted in adjacent areas if key roadways become impassable due to flooding or debris blockages.
Property, Facilities, and Infrastructure	Transportation routes, including bridges and highways, are vulnerable to dam inundation and can potentially be wiped out, creating isolation issues.
Environment	Dam failures can cause downstream flooding and transport large volumes of sediment and debris. Other environmental impacts include pollution from septic system failures; pollution of potable water supplies; changes in configurations of streams; loss of wildlife habitats; and degradation of wetlands.
Economic Condition of the State	Flooding resulting from dam failure can cause widespread damage to businesses and property. The estimated potential damage to State-owned or -leased facilities ranges from $146.4 million for a flood depth of 1 foot to $1.5 billion for a flood depth of 14 feet.
Public Confidence in State Governance	If a dam failure occurs on a dam owned and operated by the State, public confidence is likely to decrease. Additionally, any dam failure event may result in a decline in public confidence as the State is responsible for evaluating and ensuring the safety of dams. In addition, the success of proper notification to community members may impact how the public views the State's ability to manage these events.
Drought	
Public	Droughts cause public health and safety impacts associated with water shortage risks for small rural water systems and private residential wells. The public may be subjected to water rationing, limited availability of water sources, increased risk of wildfire, and scarcity of fresh, local foods.
Responders	Secondary impacts from droughts, such as wildfires, would increase the impacts on responders. In the event of a wildfire, responders may be called upon to assist with evacuation, close roads, and provide care to injured members of the public. As a result, responders may face an increased risk of personal injury.

Subject	Impacts
Continuity of operations (including continued delivery of services)	Impacts to the continuity of operations are limited. Organizations responsible for providing potable water may experience disruptions in water supplies.
Property, Facilities, and Infrastructure	Drought events generally do not impact buildings. No structures are anticipated to be directly affected by a drought, and all are expected to be operational during a drought event. However, facilities that provide potable water may be affected by short water supplies.
Environment	Drought can create hazardous conditions in forests and other vegetation-covered spaces, fueling wildfires (NOAA 2023a). Droughts can also create more prolonged fires fueled by excessively dry vegetation and reduced water supply for firefighting. Droughts put stress on trees and make them more susceptible to pest infestations. This, in turn, can lead to more diseased, dying, and dead trees (LAO 2022). An increase in groundwater pumping may lead to subsidence and dimmish water quality.
Economic Condition of the State	Drought can impact the economy, including loss of business function and damage and loss of inventory. The following economic impacts may include loss of crops, livestock, timber, and aquaculture production; loss of recreational and tourism opportunities; and increased energy costs.
Public Confidence in State Governance	Long-term severe droughts may cause public confidence to decline if State-led water utilities cannot provide adequate and continuous water service. Additionally, public confidence may be impacted by the State's decision to enact or not enact rations on water usage.
Earthquake	
Public	Earthquakes pose a significant threat to the public. The public may sustain injuries from collapsing structures, falling materials, and damaged utilities. Additionally, the public is at risk of loss of life.
Responders	Responders face risks related to injury and loss of life from aftershocks while responding to assist with managing an earthquake event.
Continuity of operations (including continued delivery of services)	Earthquakes can have significant impacts that result in damage to structures, roads, and utilities. Depending on the sustained damage, it may take several days, weeks, or months to make necessary repairs. During this time, there may be a disruption to State services.
Property, Facilities, and Infrastructure	Ground shaking from earthquakes can cause buildings and bridges to collapse; disrupt utility services; and trigger landslides, avalanches, flash floods, fires, and tsunamis (Waikato Region Emergency Management 2015). State and federal infrastructure (roads, highways, dams, and State water projects) located in areas with soils that are susceptible to liquefaction or earthquake-induced landslides can experience extensive cracking, ripping apart, settlement, and sloughing during an earthquake.

Subject	Impacts
Environment	Earthquake-induced landslides can significantly damage the surrounding habitat. It is also possible for earthquakes to reroute streams, which can change the water quality, possibly damaging habitat and feeding areas. Streams fed by groundwater and/or springs may dry up because of changes in underlying geology. Another threat to the environment from earthquakes is the potential release of hazardous materials
Economic Condition of the State	Earthquakes can cause damage and the loss of infrastructure that supports agricultural production, storage, and transport. Damage to major hubs, including ports, may have more substantial impacts. The annualized earthquake loss for the State was last estimated in 2016 to be $3.7 billion.
Public Confidence in State Governance	The State's management of response and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust
Electromagnetic Pulse Attack	
Public	The public is at risk of losing all means of electronic communication, water and wastewater services, gas, and other critical services dependent on electricity. Persons dependent on life-sustaining equipment powered by electricity are at a higher risk of impacts from an electromagnetic pulse (EMP) attack.
Responders	Responders' dependence on electronic communication equipment such as radios among other equipment puts them at a higher risk of losing communication capabilities during an EMP attack.
Continuity of operations (including continued delivery of services)	An EMP attack could disrupt critical infrastructure in the State, including the electrical grid, communication equipment, water and wastewater systems, and modes of transportation (CISA 2023). Other systems such as the 911 call systems and dispatch centers, hospitals, and health care, among others could also be affected.
Property, Facilities, and Infrastructure	System failures caused by an EMP attack could impact the structure or its contents.
Environment	There are no known environmental impacts from EMP attacks.
Economic Condition of the State	An EMP attack could result in economic losses due to the loss of electricity and transportation during an event.
Public Confidence in State Governance	The State's management of preparedness, response, and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust
Energy Shortage	
Public	Rolling blackouts during severe weather events can impact hundreds of thousands of Californians (Deliso 2022). Prolonged power outages can result in loss of life or health complications for persons dependent on life-sustaining equipment powered by electricity.

Subject	Impacts
Responders	Responders may be faced with conducting welfare checks, closing roads, assisting injured members or the public, and managing the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	Nearly all State-owned or -leased facilities rely on electricity to operate and provide essential services. Energy shortages can disrupt communications, water and wastewater treatment facilities, transportation systems, and other government functions.
Property, Facilities, and Infrastructure	Energy shortage events are not likely to result in any losses associated with property, facilities, and infrastructure damage.
Environment	Higher energy demand will result in more land being necessary for power facilities which could impact wildlife and open space. Solar developers require a minimum of 10 acres for a project, but at least 200 acres of land is necessary for a utility-scale project (YSG Solar 2021).
Economic Condition of the State	Energy shortages may cause a reduction in employment and wholesale and retail sales, a need for utility repairs, and increased medical risks. Local governments might lose tax revenues, and the finances of private utility companies and the businesses that rely on them would be disrupted.
Public Confidence in State Governance	The State's management of preparedness, response, and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Epidemic/Pandemic/Vector-Borne Disease	
Public	Widespread sickness and loss of life can result from epidemics, pandemics, and vector-borne diseases. Disease outbreaks reaching pandemic proportions can cause social impacts on a global scale (Shang, Li and Zhang 2021). For example, civil disorder, protests, depression, and anxiety are a few of the social impacts of the Coronavirus 2019 (COVID-19) pandemic.
Responders	Burnout and workforce shortages among first responders and public health and healthcare workers may be seen.
Continuity of operations (including continued delivery of services)	Health hazard events are not likely to result in any losses associated with damage or impairment to State assets. All losses from this hazard would be associated with impacts on operations and the economy.
Property, Facilities, and Infrastructure	The most significant impact on critical facilities would be the increase in hospitalization and emergency room visits resulting from a health hazard event. This would create a greater demand on these critical facilities, their staff, and resources.

Subject	Impacts
Environment	Epidemics, pandemics, and vector-borne diseases can be directly or indirectly tied to environmental impacts. Demand for single-use plastics to mitigate the spread of disease and increased waste generated by hospitals has negative environmental impacts. Powerful disinfectants end up in water supplies. Microplastics from degrading personal protective equipment (e.g., masks, gloves) can contribute to high concentrations found in fish, water, sediments, soils, and the air (Khan, Shah and Hossain 2023).
Economic Condition of the State	Potential statewide economic impacts include unemployment, price increases, and supply chain interruptions. Significant economic disruption can occur due to death, loss of work time, food insecurity, and costs of treating or preventing the spread of the virus or disease.
Public Confidence in State Governance	The State's management of preparedness, response, and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust
Extreme Cold or Freeze	
Public	The public may face impacts related to loss of life, illnesses, hypothermia, frostbite, and economic costs in transportation, agriculture, energy, and infrastructure. Persons experiencing higher social vulnerability may face more significant barriers to heating their homes. Using space heaters and fireplaces increases the risk of household fires and carbon monoxide poisoning. Persons experiencing homelessness face an increased risk as they are directly exposed to the hazard.
Responders	First responders will experience increased calls for service to perform welfare checks; provide care to people experiencing a medical emergency; and support overall public safety efforts during extreme cold or freeze events. Responders will face increased exposure due to the need to respond to these events and will require equipment to remain safe.
Continuity of operations (including continued delivery of services)	The impacts on continuity of operations would be limited unless a facility or critical infrastructure component is compromised, such as freezing and bursting pipes, due to cascading impacts from extreme cold or freeze.
Property, Facilities, and Infrastructure	Cold temperatures can freeze pipes, causing them to burst and create water leaks and water supply issues. Infrastructure such as roads and utilities are at risk to freezing temperatures, causing failures and hazardous road conditions.
Environment	Freezing and warming weather patterns create changes in natural processes. An excess snowfall followed by early warming periods may affect natural processes such as the flow of water resources.

Subject	Impacts
Economic Condition of the State	Extreme cold and freeze events can be costly due to impacts on resources for response, transportation, utilities, and crop damage. Economic hardship can be caused by loss of revenue and increased costs of necessary supplies.
Public Confidence in State Governance	The State's management of response and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Geomagnetic Storm (Space Weather)	
Public	Potential impacts to the public include secondary impacts due to the loss of communications and transportation.
Responders	During events known as radio blackout storms, solar flares can produce strong x-rays that degrade or block high-frequency radio waves used for radio communication.
Continuity of operations (including continued delivery of services)	Space weather events could result in disruptions to transportation systems and communications systems. Sectors particularly vulnerable to space weather impacts include electric power transmission, high-frequency radio communications, satellite communications, satellite drag, and global positioning (GPS) systems (NOAA SWPC 2023).
Property, Facilities, and Infrastructure	Space weather may negatively impact the power grid and other electric-powered infrastructure.
Environment	There are no known environmental impacts from space weather.
Economic Condition of the State	Although the risk of impact from space weather is small, California has many systems in its built environment which could be affected severely.
Public Confidence in State Governance	The State's management of response and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Hazardous Materials Release	
Public	Exposure to hazardous materials releases may cause short- and long-term health impacts such as difficulty breathing and eye, nose, throat, and lung irritation.
Responders	Responders may be faced with assisting with evacuation for a hazardous materials incident. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	In the event of a hazardous materials release at or near a State asset, State employees may need to evacuate a building, resulting in productivity loss that can be measured by days and dollar equivalency.

Subject	Impacts
Property, Facilities, and Infrastructure	State assets near facilities that store or process hazardous materials or transportation corridors that permit the transport of hazardous materials have increased risks. Hazardous material releases may lead to road closures until response and cleanup efforts are completed. This may impact access to communities, commuting to work, and the ability to deliver goods and services efficiently.
Environment	Hazardous releases can significantly harm wildlife in the surrounding area. The contamination also can make its way up the food chain, affecting the food supply. Open water and wetland environments experience significant exposure to hazardous materials events, which may indicate a loss of ecosystem services (Organisation for Economic Co-operation and Development n.d.).
Economic Condition of the State	The cost of recovery and cleanup from a hazardous materials release can cause economic hardship. The extent of hardship will depend on the severity of the event.
Public Confidence in State Governance	The State's management of response and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Invasive and Nuisance Species	
Public	Invasive and nuisance species may carry diseases and impact public health.
Responders	There are no anticipated impacts to responders from invasive and nuisance species.
Continuity of operations (including continued delivery of services)	There are no anticipated impacts to the continuity of operations from invasive and nuisance species.
Property, Facilities, and Infrastructure	Some species can impact vegetation and can result in stream bank instability, erosion, and increased sedimentation, impacting ground stabilization and possibly causing foundation issues for nearby structures. If species cause trees and other vegetation to die, there is an increased risk of damage to roadways, powerlines, buildings, and wildfire.
Environment	Invasive species can threaten native species, biodiversity, ecosystem services, recreation, water resources, agricultural and forest production, cultural resources, economies and property values, public safety, and infrastructure (USFS 2023a). Tree mortality is a clear secondary hazard related to invasive and nuisance species. As vegetation dies or becomes stressed and weakened by pests such as bark beetles, available fuel and high-intensity wildfires increase (USFS 2023b).

Subject	Impacts
Economic Condition of the State	Agricultural production could be severely impacted by invasive species and result in significant economic losses. Damage to crops from invasive and nuisance species can cause substantial increases in food prices and food insecurity among low-income communities (Paini, Sheppard and Cook 2016).
Public Confidence in State Governance	The State's management of response and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Landslide, Debris Flow, and Other Mass Movements	
Public	According to the U.S. Geological Survey (USGS), slope failures in the United States result in an average of 25 to 50 lives lost per year. The public is at risk of injury and loss of life from landslides, debris flow, and other mass movements.
Responders	Responders may be faced with assisting with evacuation in areas impacted by landslide, debris flow, and other mass movements. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	The impacts on continuity of operations would be limited unless a facility is within an impacted area. Delivery of services may be slowed or halted in these areas if key roadways become impassable due to flooding.
Property, Facilities, and Infrastructure	Landslides can pose a serious hazard to properties on or below hillsides. When landslides occur, they deform and tilt the ground surface. The result can be the destruction of foundations, offset of roads, breaking of underground pipes, or overriding of downslope property and structures.
Environment	A landslide alters the landscape. In addition to changes in topography, vegetation and wildlife habitats may be damaged or destroyed, and soil and sediment runoff will accumulate downslope, potentially blocking waterways and roadways and impairing the quality of streams and other water bodies. Landslides that fall into streams may impact fish and wildlife habitats and affect water quality. Hillsides that provide wildlife habitat can be lost for prolonged periods due to landslides.
Economic Condition of the State	Impacts to business and transportation networks can result in disruptions lasting several days, weeks, or months.
Public Confidence in State Governance	The State's management of response and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust.

Subject	Impacts
Levee Failure	
Public	A levee system failure or overtopping can create severe flooding and high-water velocities that cause injury or loss of life. Receding flood waters can leave behind stagnant pools that provide breeding grounds for mosquitoes, which can transmit diseases.
Responders	Responders may be faced with assisting with evacuation for levee failure incidents that have sufficient warning for evacuation. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	The impacts on continuity of operations would be limited unless a facility or critical infrastructure component is within the levee failure area. Delivery of services may be slowed or halted in adjacent areas if key roadways become impassable due to flooding or debris blockages.
Property, Facilities, and Infrastructure	Critical infrastructure failures such as loss of power, potable and wastewater treatment, and road and bridge failures can be caused by levee failure events, depending on the magnitude of the resulting flood.
Environment	Wildlife and fish can be impacted if flood waters from a levee failure destroy or fundamentally alter plant communities and thus reduce habitat. Floodwaters can also erode riverbanks and convey sediment to locations where it can clog riverbeds and streams, smother aquatic organisms, and destroy habitats.
Economic Condition of the State	A significant levee failure event would be costly for State and local governments in terms of emergency response, delivery of services, disaster cleanup, and future mitigation projects. Some of the costs could be recouped through federal grant reimbursements, but local governments would still feel the fiscal impact of a major event.
Public Confidence in State Governance	If a levee failure occurs on a levee owned and operated by the State, public confidence is likely to decrease. Additionally, any levee failure event may result in a decline in public confidence as the State is responsible for evaluating and ensuring the safety of dams and levees. In addition, the success of proper notification to community members may impact how the public views the State's ability to manage these events.
Natural Gas Pipeline Hazards	
Public	Natural gas is highly flammable and toxic to inhale, so exposure to any population can have costly and deadly impacts. A pipeline explosion or other incident resulting in property damage may displace residents or businesses for a prolonged period. This could create a need for long-term emergency housing or financial support.

Subject	Impacts
Responders	Responders may be faced with assisting with evacuation for natural gas pipeline incidents that have sufficient warning for evacuation. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	The impacts on continuity of operations would be limited unless a facility or critical infrastructure component is within the levee failure area. Delivery of services may be slowed or halted in adjacent areas if the facilities depend on the natural gas pipeline.
Property, Facilities, and Infrastructure	Impacts to facilities are likely to be limited unless the facility is located within the impact area.
Environment	Burning any fossil fuel, including natural gas, emits greenhouse gases (GHG) into the atmosphere and contributes to climate change. Burning natural gas produces nitrogen oxides, which contribute to smog and acid rain.
Economic Condition of the State	Impacts to business and transportation networks can result in disruptions lasting several days, weeks, or months.
Public Confidence in State Governance	The State's management of response and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Oil Spills	
Public	Oil spills can threaten public health and quality of life due to the contamination of drinking water supplies, environmental degradation, and economic impacts.
Responders	Those assisting with cleaning up oil spills can be exposed to oil byproducts, dispersants, detergents, and degreasers. Drowning, heat-related illnesses, and falls are potential hazards to those cleaning up (OSHA 2010).
Continuity of operations (including continued delivery of services)	Depending upon the incident, State employees may need to evacuate the area if exposure may impact human health. This may result in a loss of productivity that can be measured by days and dollar equivalency.
Property, Facilities, and Infrastructure	In terms of facility-related and property damage, damage may include contaminated soil, groundwater, and nearby waterbodies.
Environment	A spill can result in habitat loss from the physical oil slick or the release of chemicals into an area (Environmental Pollution Centers 2023). Similarly, individual organisms can be directly affected as layers of oil can prevent thermoregulation, respiration, feeding, or mobility. They can also be affected by the chemicals released that act as toxins to the organism, leading to stunted growth, heart damage, immune system effects, and death (NOAA 2020).

Subject	Impacts
Economic Condition of the State	The environmental impacts of oil spills contribute to short- and long-term effects on economic activities in the affected areas. Moratoriums may be temporarily imposed on fisheries, and tourism may decline in beach communities (ITOPF 2023), resulting in economic hardship for individuals dependent on those industries for their livelihood and the economic health of the community as well. Large spill cleanup and remediation activities may cost millions of dollars, and impacts can last for years.
Public Confidence in State Governance	The State's management of response and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Other Potential Causes of Long-Term Electrical Outages	
Public	Prolonged power outages can result in loss of life for persons dependent on life-sustaining equipment powered by electricity.
Responders	Responders may be faced with conducting welfare checks, closing roads, assisting injured members or the public, and managing the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	Nearly all State-owned or -leased facilities rely on electricity to operate and provide essential services. Energy shortages can disrupt communications, water and wastewater treatment facilities, transportation systems, and other government functions.
Property, Facilities, and Infrastructure	Power outage events are not likely to result in any losses associated with damage to property, facilities, and infrastructure.
Environment	Higher energy demand will result in more land being necessary for power facilities which could impact wildlife and open space. Solar developers require a minimum of 10 acres for a project, but at least 200 acres of land is necessary for a utility-scale project (YSG Solar 2021).
Economic Condition of the State	Power outages are likely to be short-term and not result in significant economic impacts.
Public Confidence in State Governance	The State's management of response and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Public Safety Power Shutoff (PSPS)	
Public	Prolonged power outages can result in loss of life for persons dependent on life-sustaining equipment powered by electricity.
Responders	Responders may be faced with conducting welfare checks, closing roads, assisting injured members or the public, and managing the overall incident. Due to these activities, responders may face an increased risk of personal injury.

Subject	Impacts
Continuity of operations (including continued delivery of services)	Nearly all State-owned or -leased facilities rely on electricity to operate and provide essential services. Energy shortages can disrupt communications, water and wastewater treatment facilities, transportation systems, and other government functions.
Property, Facilities, and Infrastructure	Because these power outage events are usually scheduled and affected areas are usually given advanced notice, minimal loss associated with damage to property, facilities, and infrastructure is likely to occur. Depending on the length of the interruption, some systems, including older ones, may take time to restart or be adversely affected by the power disruption.
Environment	The environment is usually not exposed to power outages unless it results in a spill that contaminates water or open land or creates a wildfire.
Economic Condition of the State	Power outage events are not likely to result in any losses associated with damage to property, facilities, and infrastructure.
Public Confidence in State Governance	The State's management of response and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Radiological Accidents	
Public	In the event of an accident, those living and working within a 10-mile radius of the nuclear power plant could be more vulnerable to health and safety impacts from the accident.
Responders	Responders within a 10-mile radius of a radiological accident may be exposed to radioactive materials. In addition, responders may be faced with assisting with evacuation, closing roads, providing medical care to members of the public, and managing the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	The impacts on continuity of operations would be limited unless a facility or critical infrastructure component is within the impact area. Delivery of services may be slowed or halted in adjacent areas.
Property, Facilities, and Infrastructure	Impacts to facilities are likely to be limited unless the facility is located within the impact area.
Environment	The impact on the environment will depend on where the event is located and the extent of radiological materials released. Animals, plants, and other wildlife in the surrounding areas of the event can see devastating impacts. Radiation pollution within waterways also accumulates within fish and other aquatic organisms, and runoff from radiation within the soil provides additional contamination (Sciencing 2021).

Subject	Impacts
Economic Condition of the State	A radiological accident could cause regional disruption to transportation networks and businesses.
Public Confidence in State Governance	The State's management of response and recovery efforts will influence public trust. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Riverine, Stream, and Alluvial Flood	
Public	Persons residing in the 100-year floodplain are the most at risk of impacts from flooding. Flooding can cause injury, loss of life, destruction, and property loss. Flood waters may carry containments impacting public health, and slowly receding floodwaters may harbor disease-carrying insects.
Responders	Responders may be faced with assisting with evacuation for flood events. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	The impacts on the continuity of operations would be limited unless a facility is within a flood hazard area or is directly impacted by flood waters. Delivery of services may be slowed or halted in these areas if key roadways become impassable due to flooding.
Property, Facilities, and Infrastructure	Infrastructure may experience impacts in the form of damage from flooding, debris blockages, temporary closure of transportation routes, and the potential inability of the stormwater system to handle floodwater in a severe event.
Environment	Floods impact the environment by spreading pollution, overloading water and wastewater treatment plants, carrying silt and debris, and disturbing wildlife and natural areas. Riverine flooding can cause bank erosion and landslides. Hazardous materials spills can result from flooding if storage tanks rupture and spill into waterways.
Economic Condition of the State	A major flood event would be costly for State and local governments in terms of emergency response, delivery of services, disaster cleanup, and future mitigation projects. Some of the costs could be recouped through federal grant reimbursements, but local governments would still feel the fiscal impact of a major event.
Public Confidence in State Governance	Public confidence will be dependent on how well the State manages response and recovery processes. Timely and accurate distribution of public information and notification during these events will also impact public trust.

Subject	Impacts
Sea-Level Rise, Coastal Flooding, and Erosion	
Public	Residents in coastal areas face the greatest risk of impacts from sea-level rise, coastal flooding, and erosion. Potential impacts include destruction and loss of property. Collapses of coastal bluffs and cliffs present significant dangers to beachgoers who may be injured or killed by falling sediment and rock. However, no injury or loss of life is anticipated from sea-level rise.
Responders	Responders may be faced with assisting with evacuation for flood and erosion events. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	The impacts on the continuity of operations will be limited unless a facility is within the incident area. Impacted facilities may face economic impacts related to mitigation measures, relocation costs, and potential damage.
Property, Facilities, and Infrastructure	Development at the top of the bluff or cliff may be lost or require abandonment as erosion occurs. Roads and bridges may also experience damage and washouts.
Environment	Sea-level rise and long-term erosion can result in the migration of ecosystems inland. If beaches, wetlands, and other coastal habitats cannot migrate inland as sea-levels rise – because of sediment availability, shoreline armoring, or other development that blocks natural migration – they can be lost to permanent inundation or degraded by saltwater intrusion.
Economic Condition of the State	Coastal erosion can result in significant economic loss due to the destruction of buildings, roads, infrastructure, natural resources, and wildlife habitats. The long-term impacts of sea-level rise will alter how coastal resources are utilized in the State.
Public Confidence in State Governance	Public confidence will depend on how well the State manages adaptation measures to protect against the impacts of sea-level rise. For coastal flooding and erosion, the State's response and recovery process will influence public confidence.
Severe Wind, Weather, and Storms	
Public	Lightning, hail, and high winds from severe storm events puts the public at risk of injury and loss of life.
Responders	Responders may be faced with assisting with evacuation for severe weather events. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.

Subject	Impacts
Continuity of operations (including continued delivery of services)	The impacts on continuity of operations would be limited unless a facility is directly adversely affected by lightning or hail caused by a thunderstorm. Delivery of services may be slowed or halted in affected areas as a result of momentary losses in power and communications.
Property, Facilities, and Infrastructure	Damage to State assets can include roof damage from wind, structural damage from downed trees, and power outages. State infrastructure can be impacted by debris and downed trees/power lines, causing road closures, power outages, and limiting access to emergency personnel.
Environment	Severe weather that creates long periods of rainfall can erode natural banks along waterways and degrade soil stability for terrestrial species. Tornadoes can tear apart habitats, causing fragmentation across ecosystems. Researchers believe that more diseases can spread across ecosystems because of the impacts that severe weather and climate change have on water supplies. The residual impacts of a community's methods to maintain its infrastructure through winter weather (such as road salting) may also impact the environment.
Economic Condition of the State	A major severe weather event could disrupt the State's economy if damages are severe and widespread. However, impacts are generally limited.
Public Confidence in State Governance	Public confidence would largely depend upon how effectively the State prepares for and responds to a severe thunderstorm event.
Snow Avalanche	
Public	The fact that avalanches occur in remote settings far from large population centers means they do not pose the same danger to life and property as other hazards do. The people and structures most vulnerable to avalanches tend to be skiers, snowboarders, and others engaged in recreational activities in snow-covered, mountainous areas, along with the transportation infrastructure that serves those areas.
Responders	Responders may be faced with assisting with evacuation for avalanches. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	The impacts on continuity of operations would be limited unless a facility is within an impacted area. Delivery of services may be slowed or halted in these areas if key roadways become impassable.
Property, Facilities, and Infrastructure	Impacts to facilities are likely to be limited unless the facility is located within the impact area.

Subject	Impacts
Environment	Avalanches might cause erosion on sloped terrain, thereby increasing the likelihood of future landslides. In addition, debris deposited in a river or stream because of avalanches might alter its flow and contribute to flooding later. There are numerous positive impacts, including the chutes and debris created by avalanches that help provide favorable habitats for various flora and fauna. Avalanches can also form firebreaks that help limit wildfires in wooded areas. Moreover, a self-regulating feedback loop occurs between avalanches and the trees in a forest. Trees that experience avalanches become stronger and more resilient, and these more robust trees, in turn, reduce the frequency of avalanches by reinforcing the snowpack and minimizing the effects of strong winds.
Economic Condition of the State	Avalanche events are typically more localized and, therefore, more likely to impact the local economy.
Public Confidence in State Governance	Public confidence will depend on how well the State manages response and recovery processes. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Subsidence	
Public	Subsidence occurring over an extended period of time is unlikely to result in injury or loss of life. Sudden events can result in injury or loss of life.
Responders	Due to the long-term nature of subsidence, there are no anticipated impacts on responders. In instances of sudden events, responders will be needed to close roads, assist injured members of the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	Due to the long-term nature of subsidence, impacts to the continuity of operations are anticipated to be limited unless the facility is directly within the area of movement. Delivery of services may be slowed or halted if roadways because impassable.
Property, Facilities, and Infrastructure	Subsidence has caused impacts on critical water infrastructure, including reduced conveyance capacity in local, State, and federal conveyance facilities, reduced levee heights, and damaged well casings (Carpenter and Borchers 2014). Throughout California, subsidence has damaged buildings, aqueducts, well casings, bridges, and highways.
Environment	Subsidence can cause permanent inundation of land, increase flooding, change the topography of the land, and reduce the capacity of aqueducts to store water (Holtzer and Galloway 2005).
Economic Condition of the State	Subsidence events are typically more localized and, therefore, more likely to impact the local economy.

Subject	Impacts
Public Confidence in State Governance	Public confidence will depend on how well the State manages response and recovery processes. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Terrorism	
Public	Acts of terrorism can range from minor to severe, with fatalities and damage that can fall into the same categories. Biological terrorism is a direct threat to public safety.
Responders	Responders may be faced with assisting with evacuation for terrorist events. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	Facilities that are targets for terrorism events face an increased risk of disruptions of their systems and operations as a result of potential damages.
Property, Facilities, and Infrastructure	State assets could be targets for terrorist events. Other property, facilities, and infrastructure may sustain damage and become inaccessible.
Environment	The environmental damage caused by terrorism includes terrestrial conflicts, terrorist camps and bases, training activities, and carbon dioxide emissions related to energy consumption (Bildrici and Gokmenoglu 2020).
Economic Condition of the State	The initial economic impact of a terrorist attack can be measured in immediate costs, such as costs related to responding to the event and those associated with the immediate loss of productivity due to closed businesses. The fuller economic impact includes long-term costs such as terrorism mitigation activities.
Public Confidence in State Governance	Public confidence will depend on how well the State manages response and recovery processes. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Transportation Accidents Resulting in Explosions or Toxic Releases	
Public	The public is at risk of injury and loss of life due to transportation accidents.
Responders	Responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	The impacts on the continuity of operations would be limited unless a facility or critical infrastructure component is within the damaged area during a transportation accident. Delivery of services may be slowed or halted in adjacent areas if key roadways become impassable.

Subject	Impacts
Property, Facilities, and Infrastructure	Impacts to facilities are likely to be limited unless the facility is located within the impact area.
Environment	Impacts on the environment are likely limited unless the facility is located within the impact area.
Economic Condition of the State	Impacts on the economy are likely to be limited.
Public Confidence in State Governance	Public confidence will be dependent on how well the State manages response and recovery processes. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Tree Mortality	
Public	The public may be at risk of public health impacts if tree mortality events are caused by insect or disease impacts.
Responders	There are no anticipated impacts on responders.
Continuity of operations (including continued delivery of services)	There are no anticipated impacts on the continuity of operations unless a wildfire results from tree mortality.
Property, Facilities, and Infrastructure	There are no anticipated impacts to property, facilities, and infrastructure unless a wildfire results from tree mortality.
Environment	An increase in the number of trees dying will increase the impacts on air and water quality, increase the risk of flooding and erosion, and destroy natural habitats. The dead trees can also fuel wildfires, which are expected to become more frequent and extreme (California Office of Environmental Health Hazard Assessment 2019).
Economic Condition of the State	Tree mortality can result in economic hardship for forestry-focused industries.
Public Confidence in State Governance	Public confidence will depend on how well the State manages response and recovery processes. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Tsunami and Seiche	
Public	Although tsunamis and seiches are rare events, the consequences can be high. Tsunamis and seiches can quickly jeopardize the lives of millions of coastal residents, businesses, and visitors. The public can face severe injury and loss of life resulting from a tsunami.
Responders	Responders may be faced with assisting with evacuation for tsunami events. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.

Subject	Impacts
Continuity of operations (including continued delivery of services)	Tsunamis have the potential for widespread destruction. There is a high potential for services to be completely disrupted due to damages to facilities, utilities, and transportation networks.
Property, Facilities, and Infrastructure	The outflow of water back to the sea can damage property, facilities, and infrastructure due to items being swept away, undermining roads, buildings, bulkheads, and other structures. This outflow can carry enormous amounts of highly damaging debris, resulting in further destruction. Unless moved away from shore, ships and boats may be forced against breakwaters, wharves, and other watercraft or be washed ashore and left grounded after the seawater withdraws.
Environment	Ecosystems within the inundation areas for tsunamis and seiches that can withstand periodic inundation, such as wetlands, may be relatively unharmed by minor events. However, severe events that result in larger inundation areas may result in negative environmental impacts due to sediment erosion, debris, saltwater and pollutant contamination of soil and waterbodies, and other impacts.
Economic Condition of the State	A tsunami can have widespread impacts and completely devastate the economy. Businesses may sustain physical damages, and damages to transportation networks may make businesses inaccessible to the public.
Public Confidence in State Governance	Public confidence will depend on how well the State manages response and recovery processes. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Urban Structural Fire	
Public	Areas in the State that are heavily populated and developed may be at more risk – members of the public face the risk of injury and loss of life.
Responders	Responders may be faced with assisting with evacuation for urban structural fires. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Responders, such as firefighters, may experience dehydration, exhaustion, and exposure to hazardous materials. Due to these activities, responders may face an increased risk of personal injury and loss of life.
Continuity of operations (including continued delivery of services)	If an urban structural fire directly impacts a facility, it can be completely destroyed. If the facility can be repaired, it may take several weeks or months to complete repairs and smoke remediation. Services are likely to experience significant disruption.
Property, Facilities, and Infrastructure	Structures impacted by urban structural fires can be significantly damaged or destroyed. Urban fires damage and destroy buildings, infrastructure, and vehicles and can impact utilities.

Subject	Impacts
Environment	Most fires occurring in the built environment contribute to air contamination from the fire plume (whose deposition is likely to include land and water contamination), contamination from water runoff containing toxic products, and other environmental discharges or releases from burned materials (NFPA 2022).
Economic Condition of the State	The loss of a large manufacturing facility or business that employs a large number of people can mean extensive economic impacts.
Public Confidence in State Governance	Public confidence will be dependent on how well the State manages response and recovery processes. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Volcano	
Public	Impacts on the public include injuries related to burns and smoke inhalation, and loss of property and life.
Responders	Responders may be faced with assisting with evacuation for volcanic events. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	The resulting ash and lava flow from volcanic activity could completely disrupt State services due to damage to facilities, utilities, and transportation networks.
Property, Facilities, and Infrastructure	Impacts to facilities are likely to be limited unless the facility is located within the impact area.
Environment	The environment is highly exposed to the effects of a volcanic eruption, including deterioration of water quality, fewer periods of rain, crop damage, and the destruction of vegetation (Zuskin, et al. 2007).
Economic Condition of the State	Volcanic events can have major economic impacts on a community, from the loss of and damage to structures and subsequent economic losses.
Public Confidence in State Governance	Public confidence will depend on how well the State manages response and recovery processes. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Well Stimulation and Hydraulic Fracturing	
Public	Well stimulation and hydraulic fracturing may release toxins and chemicals into the air, putting the public at risk. Harmful containments and chemicals could also be released into groundwater.
Responders	There are no anticipated impacts to responders from well stimulation and hydraulic fracturing.

Subject	Impacts
Continuity of operations (including continued delivery of services)	It is not likely that well stimulation and hydraulic fracturing will cause complete destruction of State-owned or -leased buildings and their contents. The impacts on continuity of operations would be limited unless a facility or critical infrastructure component is within the impact area. Delivery of services may be slowed or halted in adjacent areas.
Property, Facilities, and Infrastructure	Impacts to facilities are likely to be limited unless the facility is located within the impact area.
Environment	Hazards and environmental impacts resulting from fracking and well stimulation include contamination of groundwater with chemicals, air pollution from dispersion of chemicals and gases, and contamination of sub-surface rock formations from the injected chemicals. These concerns exist anywhere fracking is used as a gas and oil extraction method (Jackson, et al. 2014).
Economic Condition of the State	Well stimulation events are typically hyper-localized and, therefore, unlikely to have impacts on the economy.
Public Confidence in State Governance	Public confidence will be dependent how well the State manages response and recovery processes. Timely and accurate distribution of public information and notification during these events will also impact public trust.
Wildfire	
Public	Residents in high wildfire risk zones are the most vulnerable to impacts from a wildfire event. Impacts to the public include injuries related to burns, smoke inhalation, and loss of property and life.
Responders	Responders may be faced with assisting with evacuation for wildfire events. In addition, responders will be needed to close roads, assist injured members or the public, and manage the overall incident. Due to these activities, responders may face an increased risk of personal injury.
Continuity of operations (including continued delivery of services)	The impacts on continuity of operations would be limited unless a facility or critical infrastructure component is within the impact area. Delivery of services may be slowed or halted in adjacent areas.
Property, Facilities, and Infrastructure	Impacts to facilities are likely to be limited unless the facility is located within the impact area. The estimated replacement cost value for the structures and contents of State-owned or -leased assets exposed to the wildfire hazard is $1.9 billion.

Subject	Impacts
Environment	Fire can act as a catalyst for promoting biological diversity and healthy ecosystems, reducing the buildup of organic debris, releasing nutrients into the soil, and triggering changes in vegetation community composition (California Department of Fish and Wildlife 2022). However, in some circumstances, it can also cause severe negative environmental impacts such as soil erosion, cross loss, the spread of invasive and nuisance species, disease and insect infection, habitat destruction, soil sterilization, and damaged historic and cultural resources.
Economic Condition of the State	A major wildfire event would be costly for State and local governments because of the potential for damages associated with property, infrastructure, and impacts to health and air quality.
Public Confidence in State Governance	Public confidence will be dependent on how well the State manages response and recovery processes. Timely and accurate distribution of public information and notification during these events will also impact public trust.

Appendix D. **Plan Participants**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

D. PLAN PARTICIPANTS

One of the major changes from the 2018 State Hazard Mitigation Plan (SHMP) planning process is how the California Governor's Office of Emergency Services (Cal OES) engaged partners and stakeholders. In 2018, the SHMP planning process engaged participants quarterly for overall Plan review and input. Additional working group meetings were held on an as-needed basis, such as for geographic information system (GIS) technical assistance or to develop the 2018 SHMP's social vulnerability methodology.

For the 2023 SHMP planning process, Cal OES used a Hazard and Working Group model. Group meetings were held either biweekly or monthly, and participants contributed substantive, organizational, and thematic input for the 2023 SHMP. The Groups included:

- Hazard Groups
  - Fire Hazards
  - Flood Hazards
  - Other Hazards
  - Seismic Hazards
- Working Groups
  - Climate Impacts
  - Equity
  - GIS Technical Assistance Working Committee (GIS-TAWC)
  - Goals and Objectives

In addition to these groups, Cal OES engaged with subsequent partners and stakeholders to review the draft 2023 SHMP. Although these stakeholders were not involved in the Hazard and Working Groups, they were included on the Cal OES distribution listserv to provide feedback during the SHMP planning process. Additional information on the Hazard and Working Groups is detailed in Section 1.2.1: Organizing the Process and Resources in the 2023 SHMP Volume 1.

Cal OES also engaged partners as part of the 2018 SHMP implementation and monitoring process through quarterly reports. These reports align with Enhanced Elements E6: Integrated Planning and E7: Mitigation Capabilities. Information from these reports is also incorporated into the 2023 SHMP, showing the ongoing and continually growing mitigation efforts statewide.

Table D-1. 2023 SHMP Active Partners

Name	Organization	Email Address	Group	Hazard Participation
Jessica London	Cal OES, State Mitigation Planning Unit (SMP Unit)	Jessica.London@caloes.ca.gov	▪ All Groups ▪ 2023 SHMP Project Management Team	▪ All Hazards
Matt Muñoz	Cal OES State Mitigation Planning Unit	Matt.Munoz@caloes.ca.gov	▪ All Groups ▪ 2023 SHMP Project Management Team	▪ All Hazards
Aykanush Mikayelyan	Cal OES State Mitigation Planning Unit	Aykanush.Mikayelyan@caloes.ca.gov	▪ All Groups ▪ 2023 SHMP Project Management Team	▪ All Hazards
Robyn Fennig	Cal OES, Hazard Mitigation Planning Division	Robyn.Fennig@caloes.ca.gov	▪ All Groups ▪ 2023 SHMP Project Management Team	▪ All Hazards
Stephen Terrin	Bay Area Metro, Bay Area Regional Energy Network	Sterrin@bayareametro.gov		▪ Other – General or Undefined
Dan Berlant	California Department of Forestry and Fire Protection (CAL FIRE)	Daniel.Berlant@fire.ca.gov	▪ Quarterly Reports ▪ SHMP Review Distribution	
Frank Bigelow	CAL FIRE	Frank.Bigelow@fire.ca.gov	▪ GIS-TAWC ▪ Goals and Objectives ▪ Quarterly Reports	▪ Fire – Wildfire
Matt Damon	CAL FIRE	Matt.Damon@fire.ca.gov	▪ Quarterly Reports	▪ Fire – Urban Structural Fire ▪ Fire – Wildfire
Steven Hawks	CAL FIRE	Steven.Hawks@fire.ca.gov	▪ Equity ▪ GIS-TAWC ▪ SHMP Review Distribution	▪ Fire – Urban Structural Fire ▪ Fire – Wildfire ▪ Other – General or Undefined
Alisha Herring	CAL FIRE	Alisha.Herring@fire.ca.gov	▪ Quarterly Reports	
DP (David) Passovoy	CAL FIRE	David.Passovoy@fire.ca.gov		▪ Fire – Wildfire
Shane Vargas	CAL FIRE	Shane.Vargas@fire.ca.gov		▪ Fire – Urban Structural Fire ▪ Fire – Wildfire
Kimberly Wallin	CAL FIRE	Kimberly.Wallin@fire.ca.gov		▪ Fire – Urban Structural Fire ▪ Fire – Wildfire
Serena Ortega	CAL FIRE	Serena.Ortega@fire.ca.gov	▪ Equity	

Name	Organization	Email Address	Group	Hazard Participation
Walter Passmore	CAL FIRE	Walter.Passmore@fire.ca.gov	▪ Equity	
Dave Sapsis	CAL FIRE, Fire and Resource Assessment Program (FRAP)	Dave.Sapsis@fire.ca.gov	▪ Quarterly Reports	
Steven Brian Barkely	CAL FIRE, Land Use Planning	Steven.Barkley@fire.ca.gov		▪ Fire – Urban Structural Fire ▪ Fire – Wildfire
Gene Potkey	CAL FIRE, Land Use Planning	Gene.Potkey@fire.ca.gov		▪ Fire – Wildfire
Sherri Sarro	Cal OES, Response South, Assistant Director	Sherri.Sarro@caloes.ca.gov	▪ Cal OES Exec	
Laura Solis	Cal OES, Business Services	Laura.Solis@caloes.ca.gov	▪ SHMP Review Distribution	
Nina Brunner	Cal OES, California Specialized Training Institute (CSTI)	Nina.Brunner@caloes.ca.gov	▪ Quarterly Reports	
Alex Cabassa	Cal OES, California Specialized Training Institute, Superintendent	Alex.Cabassa@caloes.ca.gov	▪ Quarterly Reports ▪ SHMP Review Distribution	
Christina (Tina) Curry	Cal OES, Chief Deputy Director	Christina.Curry@caloes.ca.gov	▪ Cal OES Exec	
Brian Ferguson	Cal OES, Crisis Communications & Public Affairs, Deputy Director	Brian.Ferguson@caloes.ca.gov	▪ Cal OES Exec	
Tom Osborne	Cal OES, Homeland Security, Deputy Director	Tom.Osborne@caloes.ca.gov	▪ Cal OES Exec ▪ SHMP Review Distribution	
Todd Johnson	Cal OES, Critical Infrastructure Protection	Todd.Johnson@caloes.ca.gov	▪ GIS-TAWC	
Brandon Lum	Cal OES, Critical Infrastructure Protection	Brandon.Lum@caloes.ca.gov	▪ Climate Impacts ▪ Equity ▪ Goals and Objectives	▪ Fire – Wildfire ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Other – Agricultural and Silvicultural Pests & Diseases ▪ Seismic – Earthquake
Tom Ducker	Cal OES, Critical Infrastructure Protection	Tom.Ducker@caloes.ca.gov	▪ GIS-TAWC ▪ Goals and Objectives ▪ Quarterly Reports	▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods

Name	Organization	Email Address	Group	Hazard Participation
				▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Ted Johnson	Cal OES, Critical Infrastructure Protection	Ted.Johnson@caloes.ca.gov	▪ GIS-TAWC ▪ Goals and Objectives ▪ Quarterly Reports	▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety
Casey Meredith	Cal OES, Dam Safety Planning	Casey.Meredith@caloes.ca.gov	▪ Goals and Objectives ▪ Quarterly Reports	▪ Flood – Dam Failure and Safety ▪ Other – Drought and Water Shortage ▪ Seismic – Earthquake
Eric Howard	Cal OES, Data & Geospatial	Eric.Howard@caloes.ca.gov	▪ GIS-TAWC	▪ All
James (Jim) Nordstrom	Cal OES, Data & GIS	James.Nordstrom@caloes.ca.gov	▪ GIS-TAWC	▪ All
Kris Rhodewalt	Cal OES, Data & GIS	Kris.Rhodewalt@caloes.ca.gov	▪ GIS-TAWC	
Eric Simpson	Cal OES, Data & GIS	Eric.Simpson@caloes.ca.gov	▪ GIS-TAWC	▪ All
Nick Broten	Cal OES, Data & GIS	Nick.Broten@caloes.ca.gov	▪ GIS-TAWC	
Edward Westfall	Cal OES, Response Operations, Deputy Director	Edward.Westfall@caloes.ca.gov	▪ Cal OES Exec	
Phil Labra	Cal OES, Earthquake & Tsunami	Phillip.Labra@caloes.ca.gov	▪ SHMP Review Distribution	▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Todd Becker	Cal OES, Earthquake & Tsunami	Todd.Becker@caloes.ca.gov	▪ GIS-TAWC ▪ Quarterly Reports	▪ Seismic – Earthquake ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Yvette LaDuke	Cal OES, Earthquake & Tsunami	Yvette.Laduke@caloes.ca.gov	▪ Climate Impacts ▪ Equity ▪ Goals and Objectives ▪ Quarterly Reports	▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Andrew Rush	Cal OES, Emergency Functions Planning	Andrew.Rush@caloes.ca.gov	▪ Goals and Objectives	▪ Other – Air Pollution

Name	Organization	Email Address	Group	Hazard Participation
Clifford Viernes	Cal OES, Emergency Management Systems	Clifford.Viernes@caloes.ca.gov	▪ SHMP Review Distribution	
Jim Barnes	Cal OES, Engineers and Specialist Unit	Jim.Barnes@caloes.ca.gov		▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Gurbir Singh	Cal OES, Engineers and Specialist Unit	Gurbir.Singh@caloes.ca.gov		▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Nicole Stanich	Cal OES, Fire Administration	Nicole.Stanich@caloes.ca.gov	▪ Quarterly Reports	
David Stone	Cal OES, Fire South Operations	David.Stone@caloes.ca.gov		▪ Fire – Urban Structural Fire ▪ Fire – Wildfire
Jennifer Hogan	Cal OES, Hazard Mitigation, Assistant Director	Jennifer.Hogan@caloes.ca.gov	▪ Cal OES Exec ▪ Enhanced Elements ▪ Quarterly Reports	
Jacy Hyde	Cal OES, Hazard Mitigation Assistance Branch	Jacy.Hyde@caloes.ca.gov	▪ Enhanced Elements ▪ Quarterly Reports	
Ron Miller	Cal OES, Hazard Mitigation Assistance Branch	Ron.Miller@caloes.ca.gov	▪ Enhanced Elements ▪ Quarterly Reports	
Blythe Denton	Cal OES, Hazard Mitigation Grants	Blythe.Denton@caloes.ca.gov	▪ Enhanced Elements	
Helen Lopez	Cal OES, International Affairs and Tribal Coordination	Helen.Lopez@caloes.ca.gov	▪ Equity ▪ Goals and Objectives ▪ Quarterly Reports	
Sheldon Fung	Cal OES, Law Administration	Sheldon.Fung@caloes.ca.gov		▪ Other – Hazardous Materials Release ▪ Other – Natural Gas Pipeline Hazards ▪ Other – Oil Spills ▪ Other – Radiological Accidents ▪ Other – Train Accidents Resulting in Explosions/Toxic Releases
Reggie Salvador	Cal OES, Legislative & External Affairs, Chief	Reggie.Salvador@caloes.ca.gov	▪ Cal OES Exec	
Paul McGinnis	Cal OES, Legislative Coordination	Paul.Mcginnis@caloes.ca.gov	▪ Quarterly Reports	

Name	Organization	Email Address	Group	Hazard Participation
Victoria LaMar-Haas	Cal OES, Local Mitigation Planning Unit	Victoria.Lamar-Haas@caloes.ca.gov	▪ Climate Impacts ▪ Equity ▪ GIS-TAWC ▪ Goals and Objectives ▪ Quarterly Reports ▪ SHMP Review Distribution	▪ All
Tina Phan	Cal OES, Local Mitigation Planning Unit	Tina.Phan@caloes.ca.gov	▪ Climate Impacts ▪ Equity ▪ GIS-TAWC ▪ Goals and Objectives	▪ Fire – Wildfire ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Other – Drought and Water Shortage ▪ Seismic – Earthquake
Jared Peri	Cal OES, Local Mitigation Planning Unit	Jared.Peri@caloes.ca.gov	▪ Climate Impacts ▪ Equity ▪ GIS-TAWC ▪ Goals and Objectives	▪ Fire – Wildfire ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Other – Drought and Water Shortage ▪ Seismic – Earthquake
Scott Gowin	Cal OES, Mitigation Administration	Scott.Gowin@caloes.ca.gov	▪ Quarterly Reports	▪ Fire – Wildfire
L. Vance Taylor	Cal OES, Office of Access and Functional Needs (OAFN), Chief	Vance.Taylor@caloes.ca.gov	▪ Climate Impacts ▪ Equity ▪ Goals and Objectives	
Virginia Hartley	Cal OES, Office of Access and Functional Needs	Virginia.Hartley@caloes.ca.gov	▪ Climate Impacts ▪ Equity ▪ Goals and Objectives	
Monisha Avery	Cal OES, Office of Diversity, Equity, and Inclusion (ODEI), Chief	Monisha.Avery@caloes.ca.gov	▪ Equity	
Priscilla LoForte	Cal OES, Office of Diversity, Equity, and Inclusion	Priscilla.Loforte@caloes.ca.gov	▪ Equity	
Nate Ortiz	Cal OES, Planning, Preparedness, Prevention, Assistant Director	Nate.Ortiz@caloes.ca.gov	▪ Quarterly Reports	

Name	Organization	Email Address	Group	Hazard Participation
JR DeLaRosa	Cal OES, Planning, Preparedness, Prevention, Climate and Science Advisor	JR.DeLaRosa@caloes.ca.gov	▪ Climate Impacts ▪ GIS-TAWC ▪ Quarterly Reports ▪ SHMP Review Distribution	▪ Fire – Urban Structural Fire ▪ Fire – Wildfire ▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Other – Air Pollution ▪ Other – Drought and Water Shortage ▪ Other – Extreme Heat ▪ Other – Freeze ▪ Other – Severe Weather and Storms ▪ Seismic – Tsunami and Seiche
Lori Nezhura	Cal OES, Planning, Preparedness, and Prevention, Deputy Director	Lori.Nezhura@caloes.ca.gov	▪ Cal OES Exec	
Abby Browning	Cal OES, Private Sector/NGO Coordination, Chief	Abby.Browning@caloes.ca.gov	▪ Equity	
Davy Bui	Cal OES, Recovery Analytics Unit	Davy.Bui@caloes.ca.gov	▪ GIS-TAWC	
Gary Buzzell	Cal OES, Recovery Analytics, Engineers, and Specialist	Gary.Buzzell@caloes.ca.gov	▪ GIS-TAWC	
John Catching	Cal OES, Recovery Closeout & Infrastructure Branch	John.Catching@caloes.ca.gov	▪ Quarterly Reports	
Heather Kearns	Cal OES, Recovery Quality Control and Monitoring	Heather.Kearns@caloes.ca.gov	▪ GIS-TAWC	
Ryan Buras	Cal OES, Recovery, Deputy Director	Ryan.Buras@caloes.ca.gov	▪ Cal OES Exec	
Patricia Tam	Cal OES, Recovery Special Projects	Patricia.Tam@caloes.ca.gov	▪ Climate Impacts ▪ Equity ▪ GIS-TAWC ▪ Goals and Objectives ▪ SHMP Review Distribution	

Name	Organization	Email Address	Group	Hazard Participation
Megan Walton	Cal OES, Recovery Support Functions	Megan.Walton@caloes.ca.gov	▪ SHMP Review Distribution	
Michael Crews	Cal OES, Information Technology, Chief	Michael.Crews@caloes.ca.gov	▪ GIS-TAWC	▪ All
Jose Lara	Cal OES, Seismic Hazards	Jose.Lara@caloes.ca.gov	▪ Quarterly Reports	
Annde Ewertsen	Cal OES, Seismic Safety Commission (SSC), Executive Director	Annde.Ewertsen@caloes.ca.gov	▪ Cal OES Exec	
Jia Wang-Connelly	Cal OES, Seismic Safety Commission	Jia.Wang-Connelly@caloes.ca.gov	▪ Climate Impacts ▪ Equity ▪ GIS-TAWC ▪ Goals and Objectives ▪ Quarterly Reports	▪ Seismic – Earthquake
Salina Valencia	Cal OES, Seismic Safety Commission	Salina.Valencia@caloes.ca.gov	▪ Quarterly Reports ▪ SHMP Review Distribution	▪ Seismic – Earthquake ▪ Seismic – Landslide
Derek Bays	Cal OES, Watershed and Debris Flow Task Force	Derek.Bays@caloes.ca.gov		▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Dominic Mezzatesta	Cal OES, Watershed and Debris Flow Task Force	ContractorDominic.Mezzatesta@caloes.ca.gov		▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion
Elyse Pennington	Cal OES California Council on Science and Technology Policy Fellow	PartnerElyse.Pennington@caloes.ca.gov	▪ SHMP Review Distribution	
Charles Pearson	California Air Resources Board (CARB)	Charles.Pearson@arb.ca.gov		▪ Other – Air Pollution

Name	Organization	Email Address	Group	Hazard Participation
Edith Hannigan	California Board of Forestry and Fire Protection (BOF)	Edith.Hannigan@bof.ca.gov	▪ Climate Impacts	▪ Fire – Wildfire
Claire McCoy	California Board of Forestry and Fire Protection	Claire.McCoy@fire.ca.gov		▪ Fire – Wildfire
Sasha Kergan	California Business, Consumer Services, and Housing Agency (BCSH)	Sasha.Kergan@bcsh.ca.gov	▪ Equity	
Kelsey Ducklow	California Coastal Commission	Kelsey.Ducklow@coastal.ca.gov	▪ Goals and Objectives	▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion
Melinda Allen	California Conservation Corps (CCC)	Melinda.Allen@ccc.ca.gov	▪ Quarterly Reports ▪ SHMP Review Distribution	
Amy Cameron	CCC	Amy.Cameron@ccc.ca.gov	▪ Quarterly Reports	
Scott Wolsey	CCC	Scott.Wolsey@ccc.ca.gov	▪ Quarterly Reports	
Mary Small	California Coastal Conservancy	Mary.Small@scc.ca.gov	▪ Quarterly Reports ▪ SHMP Review Distribution	
Juli Polanco	California Department of Parks and Recreation	Julianne.Polanco@parks.ca.gov	▪ Quarterly Reports	
May Soe	California Department of Conservation, California Geologic Energy Management Division (CalGEM)	May.Soe@conservation.ca.gov		▪ Other – Natural Gas Pipeline Hazards ▪ Other – Oil Spills ▪ Other – Well Stimulation and Hydraulic Fracturing
Joe Anderson	California Department of Education (CDE)	JoAnderson@cde.ca.gov	▪ Equity	
Jake Wolf	California Department of Education	JWolf@cde.ca.gov	▪ Equity	
Whitney Albright	California Department of Fish and Wildlife (CDFW)	Whitney.Albright@wildlife.ca.gov	▪ Quarterly Reports	
Victoria Monroe	California Department of Fish and Wildlife	Victoria.Monroe@wildlife.ca.gov	▪ Quarterly Reports	
Tristan Lanza	California Department of Housing and Community Development (HCD)	Tristan.Lanza@hcd.ca.gov	▪ Climate Impacts ▪ Equity ▪ Goals and Objectives	▪ Fire – Urban Structural Fire ▪ Fire – Wildfire

Name	Organization	Email Address	Group	Hazard Participation
				▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion
Gurdev Mann	California Department of Housing and Community Development	Gurdev.Mann@hcd.ca.gov	▪ Climate Impacts ▪ Equity ▪ GIS-TAWC ▪ Goals and Objectives	▪ Other – General or Undefined
Micah Metts-Houston	California Department of Housing and Community Development	Micah.Metts-Houston@hcd.ca.gov	▪ Equity ▪ GIS-TAWC	▪ Other – General or Undefined
Josh Rosa	California Department of Housing and Community Development	Josh.Rosa@hcd.ca.gov	▪ Goals and Objectives	
Daniella Stepek	California Department of Housing and Community Development	Daniella.Stepek@hcd.ca.gov	▪ Climate Impacts ▪ Equity ▪ Goals and Objectives	▪ Fire – Wildfire ▪ Other – Extreme Heat ▪ Other – General or Undefined
Reshma Sen	California Department of Housing and Community Development	Reshma.Sen@hcd.ca.gov	▪ Climate Impacts ▪ Equity	
Suzanne Hemphill	California Department of Housing and Community Development	Suzanne.Hemphill@hcd.ca.gov	▪ Equity	
Claudia Mildner	California Department of Housing and Community Development	Claudia.Mildner@hcd.ca.gov		▪ Fire – Wildfire
Erik Fruth	California Department of Housing and Community Development	Erik.Fruth@hcd.ca.gov	▪ GIS-TAWC	
Ashley Sanchez	California Department of Housing and Community Development	Ashley.Sanchez@hcd.ca.gov	▪ GIS-TAWC	
Mona Akbar	California Department of Housing and Community Development	Mona.Akbar@hcd.ca.gov	▪ Climate Impacts ▪ Equity ▪ GIS-TAWC ▪ Goals and Objectives	▪ Fire – Wildfire ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Other – General or Undefined ▪ Seismic – Earthquake

Name	Organization	Email Address	Group	Hazard Participation
Aleksandra Djurasovic	California Department of Housing and Community Development	Aleksandra.Djurasovic@hcd.ca.gov	▪ Climate Impacts	▪ Other – General or Undefined
Paul Glushku	California Department of Housing and Community Development	Paul.Glushku@HCD.ca.gov	▪ Climate Impacts ▪ Equity ▪ GIS-TAWC ▪ Goals and Objectives	▪ Fire – Urban Structural Fire ▪ Fire – Wildfire ▪ Other – General or Undefined ▪ Seismic – Earthquake ▪ Seismic – Landslide
Maziar Movassaghi	California Department of Housing and Community Development	Maziar.Movassaghi@hcd.ca.gov	▪ Quarterly Reports ▪ SHMP Review Distribution	
Claudia Mildner	California Department of Housing and Community Development	Claudia.Mildner@hcd.ca.gov	▪ Climate Impacts ▪ Equity ▪ Goals and Objectives	▪ Other – Agricultural and Silvicultural Pests & Diseases ▪ Other – Air Pollution ▪ Other – Aquatic Invasive Species ▪ Other – Avalanche ▪ Other – Drought and Water Shortage ▪ Other – Energy Shortage and Energy Resiliency ▪ Other – Epidemic/Pandemic/Vector Borne Disease ▪ Other – Extreme Heat ▪ Other – Freeze ▪ Other – Severe Weather and Storms ▪ Other – Tree Mortality
Linda Helland	California Department of Public Health (CDPH)	Linda.Helland@cdph.ca.gov	▪ Climate Impacts ▪ Quarterly Reports	
Alex Orozco	California Department of Public Health	Alejandro.Orozco@cdph.ca.gov		▪ Other – General or Undefined
Jared Spohr	California Department of Public Health	Jared.Spohr@CDPH.ca.gov		▪ Fire – Urban Structural Fire ▪ Fire – Wildfire
Andrew Vellos	California Department of Public Health	Andrew.Vellos@cdph.ca.gov	▪ Quarterly Reports	▪ Other – General or Undefined

Name	Organization	Email Address	Group	Hazard Participation
Heather Corfee	California Department of Public Health	Heather.Corfee@cdph.ca.gov		▪ Other – Epidemic/Pandemic/Vector Borne Disease
Ginger Hilton	California Department of Public Health	Ginger.Hilton@cdph.ca.gov	▪ Equity	▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Seismic – Tsunami and Seiche
Alison Wilder	California Department of Public Health	Alison.Wilder@cdph.ca.gov		▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Volcano
Eric Spring	California Department of Public Health	Eric.Spring@cdph.ca.gov		▪ Other – Air Pollution ▪ Other – Drought and Water Shortage ▪ Other – Energy Shortage and Energy Resiliency ▪ Other – Epidemic/Pandemic/Vector Borne Disease ▪ Other – Extreme Heat ▪ Other – Freeze ▪ Other – Hazardous Materials Release ▪ Other – Natural Gas Pipeline Hazards ▪ Other – Oil Spills ▪ Other – Radiological Accidents ▪ Other – Severe Weather and Storms ▪ Other – Train Accidents Resulting in Explosions/Toxic Releases ▪ Other – Well Stimulation and Hydraulic Fracturing
William Johnson	California Department of Public Health	William.Johnson@cdph.ca.gov	▪ Quarterly Reports	

Name	Organization	Email Address	Group	Hazard Participation
Shua Chai	California Department of Public Health	Shua.Chai@cdph.ca.gov		▪ Other – Epidemic/Pandemic/Vector Borne Disease
Armando Arroyo	California Department of Public Health	Armando.Arroyo@cdph.ca.gov		▪ Fire – Urban Structural Fire ▪ Fire – Wildfire ▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Other – Epidemic/Pandemic/Vector Borne Disease ▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Kemi Shamonda	California Department of Public Health	Kemi.Shamonda@cdph.ca.gov	▪ Equity	
Brandon Saucedo	California Department of Public Health	Brandon.Saucedo@cdph.ca.gov		▪ Fire – Urban Structural Fire ▪ Flood – Levee Failure and Safety ▪ Other – Epidemic/Pandemic/Vector Borne Disease ▪ Seismic – Earthquake
Abigail Ramirez	California Department of Public Health, Climate Change and Health Equity Section	Abigail.Ramirez@cdph.ca.gov	▪ Equity ▪ Quarterly Reports	▪ Other – Extreme Heat
Osamu Kumasaka	California Department of Public Health, Climate Change and Health Equity Section	Osamu.Kumasaka@cdph.ca.gov	▪ Equity	▪ Other – Extreme Heat
Trinity Smyth	California Department of Public Health, Climate	Trinity.Smyth@cdph.ca.gov	▪ Climate Impacts	

Name	Organization	Email Address	Group	Hazard Participation
	Change and Health Equity Section			
Emily Estus	California Department of Public Health, Emergency Preparedness Office	Emily.Estus@cdph.ca.gov	▪ Climate Impacts ▪ Equity	
Kristy Perez	California Department of Public Health, Emergency Preparedness Office	Kristy.Perez@cdph.ca.gov	▪ Quarterly Reports	▪ Fire – Urban Structural Fire ▪ Fire – Wildfire ▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Other – Epidemic/Pandemic/Vector Borne Disease ▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Svetlana Smorodinsky	California Department of Public Health, Office of Occupational Health	Svetlana.Smorodinsky@cdph.ca.gov	▪ Equity ▪ GIS-TAWC ▪ Goals and Objectives	▪ Fire – Urban Structural Fire ▪ Fire – Wildfire ▪ Other – Air Pollution ▪ Seismic – Earthquake
Sauda Yerabati	California Department of Public Heath, Center for Environmental Health	Sauda.Yerabati@CDPH.ca.gov	▪ Equity	▪ Fire – Urban Structural Fire ▪ Fire – Wildfire
Jeffery Esquivel	California Department of Resources Recycling and Recovery (CalRecycle)	Jeffery.Esquivel@calrecycle.ca.gov	▪ Goals and Objectives	▪ Fire – Wildfire ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Other – General or Undefined ▪ Other – Hazardous Materials Release ▪ Seismic – Earthquake
Kevin Sokol	CalRecycle	Kevin.Sokol@calrecycle.ca.gov		▪ Fire – Urban Structural Fire ▪ Fire – Wildfire
Julie Mattox	CalRecycle	Julie.Mattox@calrecycle.ca.gov		▪ Fire – Urban Structural Fire

Name	Organization	Email Address	Group	Hazard Participation
				▪ Fire – Wildfire
Kendall Skillicorn	California Department of Social Services	Kendall.Skillicorn@dss.ca.gov	▪ Equity	▪ Other – Extreme Heat
Isaac Cabrea	California Department of Technology	Isaac.Cabrera@state.ca.gov	▪ GIS-TAWC	
Gerald Kracher	California Department of Transportation	Gerald.Kracher@dot.ca.gov	▪ Quarterly Reports	
Kate Anderson	California Department of Transportation	Kate.Anderson@dot.ca.gov		▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Seismic – Tsunami and Seiche
Ben Nguyen	California Department of Transportation	Ben.Nguyen@dot.ca.gov	▪ Equity	▪ Other – Civil Disorder in California ▪ Other – Epidemic/Pandemic/Vector Borne Disease ▪ Other – General or Undefined ▪ Other – Terrorism
Andy Priest	California Department of Transportation	Raymond.Priest@dot.ca.gov	▪ Quarterly Reports	
Leah Fisher	California Department of Transportation	Leah.Fisher@dot.ca.gov	▪ Climate Impacts	
Lisa Worthington	California Department of Transportation, Vegetation and Wildfire Management	Lisa.Worthington@dot.ca.gov		▪ Fire – Wildfire ▪ Other – Tree Mortality
Mike Mierzwa	California Department of Water Resources	Michael.Mierzwa@water.ca.gov	▪ Quarterly Reports ▪ SHMP Review Distribution	▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion
Ricardo Pineda	California Department of Water Resources	Ricardo.Pineda@water.ca.gov		▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods

Name	Organization	Email Address	Group	Hazard Participation
				▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Seismic – Tsunami and Seiche
John Paasch	California Department of Water Resources	John.Paasch@water.ca.gov	▪ SHMP Review Distribution	▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Seismic – Tsunami and Seiche
Cindy Messer	California Department of Water Resources	Cindy.Messer@water.ca.gov	▪ SHMP Review Distribution	
Jeanine Jones	California Department of Water Resources	Jeanine.Jones@water.ca.gov	▪ SHMP Review Distribution	
Maria Lorenzo-Lee	California Department of Water Resources	Maria.Lorenzo-Lee@water.ca.gov	▪ Goals and Objectives	
Lindsay Correa	California Department of Water Resources	Lindsay.Correa@water.ca.gov	▪ Climate Impacts	
MD Haque	California Department of Water Resources	MD.Haque@water.ca.gov	▪ GIS-TAWC ▪ Quarterly Reports ▪ SHMP Review Distribution	▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion
Hilary Mann	California Department of Water Resources	Hilary.Mann@water.ca.gov	▪ Quarterly Reports	
Sami Nall	California Department of Water Resources	Sami.Nall@water.ca.gov	▪ Quarterly Reports	
Om Prakash	California Department of Water Resources	Om.Prakash@water.ca.gov	▪ Climate Impacts ▪ SHMP Review Distribution	
Levi Warr	California Department of Water Resources	Levi.Warr@water.ca.gov		▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion

Name	Organization	Email Address	Group	Hazard Participation
				▪ Other – General or Undefined
Shivcharan Sandhu	California Department of Water Resources	Shivcharan.Sandhu@water.ca.gov		▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Seismic – Tsunami and Seiche
Constance Perkins Gutowsky	California Department of Water Resources	Constance.PerkinsGutowsky@water.ca.gov		▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion
Remy Gill	California Department of Water Resources	Remy.Gill@water.ca.gov	▪ Quarterly Reports	▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Other – Drought and Water Shortage ▪ Seismic – Tsunami and Seiche
David Martasian	California Department of Water Resources, Central Valley Flood Planning Office	David.Martasian@water.ca.gov	▪ SHMP Review Distribution	
Jason Sidley	California Department of Water Resources, Central Valley Flood Planning Office	Jason.Sidley@water.ca.gov	▪ SHMP Review Distribution	

Name	Organization	Email Address	Group	Hazard Participation
Kelly Soule	California Department of Water Resources, Community Assistance & Risk Awareness Branch	Kelly.Soule@water.ca.gov	▪ Goals and Objectives ▪ Quarterly Reports	▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion
Nikki Blomquist	California Department of Water Resources, Division of Flood Management	Nikki.Blomquist@water.ca.gov	▪ Quarterly Reports	
Michael Anderson	California Department of Water Resources, Hydrology and Flood Operations Branch	Michael.L.Anderson@water.ca.gov	▪ SHMP Review Distribution	
Anntonette Duncan	California Department of Water Resources, National Flood Insurance Program	Anntonette.Duncan@water.ca.gov	▪ Quarterly Reports	
Sharon Tapia	California Department of Water Resources, Division of Safety of Dams	Sharon.tapia@watewr.ca.gov	▪ SHMP Review Distribution	▪ Dam Failure-HHPD
Shawn Jones	California Department of Water Resources, Division of Safety of Dams	Shawn.jones@water.ca.gov	▪ SHMP Review Distribution	▪ Dam Failure-HHPD
Aryah Balakrishnan	California Department of Water Resources, Division of Safety of Dams	Aryah.baiakrishnan@water.ca.gov	▪ SHMP Review Distribution	▪ Dam Failure-HHPD
Jacqueline Ball	California Earthquake Authority	JBall@calquake.com	▪ Quarterly Reports	
Janiele Maffei	California Earthquake Authority	JMaffei@calquake.com		▪ Seismic – Earthquake
Sheris Tamblyn	California Earthquake Authority	STamblyn@calquake.com	▪ Quarterly Reports	
Maura White	California Earthquake Authority	MWhite@calquake.com	▪ Quarterly Reports	
Noemi Otilia Osuna Gallardo	California Energy Commission	Noemi.Gallardo@energy.ca.gov	▪ Equity	

Name	Organization	Email Address	Group	Hazard Participation
Joseph Merrill	California Energy Commission, Climate Adaptation	Joseph.Merrill@energy.ca.gov	▪ Quarterly Reports	
Malinda Dumisani	California Environmental Protection Agency	Malinda.Dumisani@calepa.ca.gov	▪ Quarterly Reports	
John Elkins	California Environmental Protection Agency, Refinery Safety and Emergency Response	John.Elkins@calepa.ca.gov	▪ SHMP Review Distribution	
Mark Steinhilber	California Geological Survey	Mark.Steinhilber@conservation.ca.gov		▪ Other – Natural Gas Pipeline Hazards ▪ Other – Oil Spills ▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Steve Bohlen	California Geological Survey	Steve.Bohlen@conservation.ca.gov		▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Jeremy Lancaster	California Geological Survey	Jeremy.Lancaster@conservation.ca.gov	▪ GIS-TAWC ▪ SHMP Review Distribution	▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Seismic – Tsunami and Seiche
Sarah Rubin	California Geological Survey	Sarah.Rubin@conservation.ca.gov	▪ Quarterly Reports	
Bill Short	California Geological Survey	Bill.Short@conservation.ca.gov	▪ Climate Impacts ▪ Quarterly Reports	▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Seismic – Tsunami and Seiche
Jeff Newton	California Geological Survey	Jeff.Newton@conservation.ca.gov	▪ Climate Impacts	▪ Seismic – Earthquake ▪ Seismic – Landslide

Name	Organization	Email Address	Group	Hazard Participation
				▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Cynthia Pridmore	California Geological Survey	Cynthia.Pridmore@conservation.ca.gov	▪ Quarterly Reports	▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Kate Thomas	California Geological Survey	Kate.Thomas@conservation.ca.gov	▪ GIS-TAWC	
Tim Dawson	California Geological Survey	Timothy.Dawson@conservation.ca.gov	▪ Quarterly Reports ▪ SHMP Review Distribution	▪ Seismic – Earthquake
Daniel Woldemariam	California Geological Survey, Aquifer Exemptions Inland District	Daniel.Woldemariam@conservation.ca.gov	▪ GIS-TAWC	▪ Other – General or Undefined ▪ Seismic – Earthquake ▪ Seismic – Volcano
Sarah Samdin	California Governor's Office of Planning and Research (OPR)	Sarah.Samdin@OPR.ca.gov	▪ Climate Impacts ▪ Equity	▪ Fire – Wildfire ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion
Beth Hotchkiss	California Governor's Office of Planning and Research	Beth.Hotchkiss@opr.ca.gov	▪ Climate Impacts ▪ Equity ▪ Goals and Objectives	▪ Fire – Wildfire
Sloane Viola	California Governor's Office of Planning and Research	Sloane.Viola@opr.ca.gov	▪ Goals and Objectives	
Neil Matouka	California Governor's Office of Planning and Research	Neil.Matouka@opr.ca.gov	▪ Climate Impacts	
Mark Hedlund	California Governor's Office of Planning and Research	Mark.Hedlund@opr.ca.gov	▪ GIS-TAWC	
Nicole Hernandez	California Governor's Office of Planning and Research	Nicole.Hernandez@opr.ca.gov	▪ Equity	
Elea Becker Lowe	California Governor's Office of Planning and Research	Elea.Beckerlowe@opr.ca.gov		▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion

Name	Organization	Email Address	Group	Hazard Participation
Elizabeth Basnett	California Health and Human Services Agency	Elizabeth.Basnett@chhs.ca.gov	▪ Quarterly Reports ▪ SHMP Review Distribution	
Bryan Cash	California Natural Resources Agency	Bryan.Cash@resources.ca.gov	▪ Quarterly Reports	
Moises Moreno-Rivera	California Natural Resources Agency	Moises.Moreno-Rivera@resources.ca.gov	▪ Equity	
Clesi Bennett	California Natural Resources Agency, Climate Change Program	Clesi.Bennett@resources.ca.gov	▪ Climate Impacts	
Amanda Hansen	California Natural Resources Agency, Climate Change Program	Amanda.Hansen@resources.ca.gov	▪ Quarterly Reports	
Justine Kimball	California Natural Resources Agency, Climate Change Program	Justine.Kimball@resources.ca.gov	▪ Quarterly Reports	
David Harris	California Natural Resources Agency, Division of Technology Services	David.Harris@water.ca.gov	▪ GIS-TAWC	▪ All
Ella McDougall	California Ocean Protection Council (OPC)	Ella.McDougall@resources.ca.gov	▪ Climate Impacts ▪ Quarterly Reports ▪ SHMP Review Distribution	
Karen Riveles	California Office of Environmental Health Hazard Assessment (OEHHA)	Karen.Riveles@oehha.ca.gov	▪ Equity	▪ Other – Epidemic/Pandemic/Vector Borne Disease
Tim Brandt	California Office of Historic Preservation	Tim.Brandt@parks.ca.gov	▪ Quarterly Reports	
Moustafa Abou-Taleb	California Public Utilities Commission	Moustafa.Abou-Taleb@cpuc.ca.gov		▪ Other – Energy Shortage and Energy Resiliency ▪ Other – Natural Gas Pipeline Hazards ▪ Other – Train Accidents Resulting in Explosions/Toxic Releases ▪ Other – Well Stimulation and Hydraulic Fracturing
Miles Gordon	California Public Utilities Commission	Miles.Gordon@cpuc.ca.gov		▪ Fire – Wildfire

Name	Organization	Email Address	Group	Hazard Participation
Jim Cho	California Public Utilities Commission	James.Cho@cpuc.ca.gov	▪ GIS-TAWC	
Maria Jaya	California Public Utilities Commission	Maria.Jaya@cpuc.ca.gov	▪ GIS-TAWC	▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Other – Energy Shortage and Energy Resiliency ▪ Other – Extreme Heat ▪ Seismic – Earthquake
Yongling Sun	California Public Utilities Commission	Yongling.Sun@cpuc.ca.gov	▪ GIS-TAWC	▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Other – Energy Shortage and Energy Resiliency ▪ Other – Extreme Heat ▪ Seismic – Earthquake
Daniel Tutt	California Public Utilities Commission	Daniel.Tutt@cpuc.ca.gov		▪ Fire – Urban Structural Fire ▪ Fire – Wildfire
Rosanne Ratkiewich	California Public Utilities Commission	Rosanne.Ratkiewich@cpuc.ca.gov		▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Other – Energy Shortage and Energy Resiliency ▪ Other – Extreme Heat ▪ Seismic – Earthquake
Fred Hanes	California Public Utilities Commission	Fred.Hanes@cpuc.ca.gov		▪ Seismic – Earthquake ▪ Seismic – Landslide ▪ Seismic – Tsunami and Seiche ▪ Seismic – Volcano
Naveed Paydar	California Public Utilities Commission	Naveed.Paydar@cpuc.ca.gov	▪ Equity	
Stephanie Kim	California State University Chancellor's Office	SKim@calstate.edu	▪ Equity	▪ Fire – Urban Structural Fire ▪ Fire – Wildfire ▪ Seismic – Earthquake
Jenny Novak	California State University Chancellor's Office	JNovak@calstate.edu	▪ Climate Impacts ▪ SHMP Review Distribution	▪ Fire – Urban Structural Fire ▪ Fire – Wildfire ▪ Other – Air Pollution ▪ Other – Drought and Water Shortage ▪ Other – Extreme Heat

Name	Organization	Email Address	Group	Hazard Participation
				▪ Seismic – Earthquake
Mathew Schmidtlein	California State University, Sacramento, Geography Department	Schmidtlein@csus.edu	▪ Equity ▪ GIS-TAWC	
Mark Bare	California State Water Resources Control Board	Mark.Bare@Waterboards.ca.gov	▪ Climate Impacts ▪ Enhanced Elements ▪ Goals and Objectives	▪ Flood – Dam Failure and Safety ▪ Flood – Levee Failure and Safety ▪ Flood – Riverine, Stream, and Alluvial Floods ▪ Flood – Sea-Level Rise, Coastal Flooding, and Erosion ▪ Other – Well Stimulation and Hydraulic Fracturing
Chris Hyun	California State Water Resources Control Board	Christopher.Hyun@waterboards.ca.gov	▪ Climate Impacts	
Amelia Gomez	California State Water Resources Control Board	Amelia.Gomez@waterboards.ca.gov	▪ Equity	
Jason Spotts	California State Water Resources Control Board, Division of Drinking Water	Jason.Spotts@waterboards.ca.gov	▪ SHMP Review Distribution	
Lisa Hu	California Strategic Growth Council (SGC)	Lisa.Hu@sgc.ca.gov	▪ Climate Impacts ▪ Equity ▪ GIS-TAWC	
Kirin Kumar	California Strategic Growth Council	Kirin.Kumar@sgc.ca.gov	▪ Quarterly Reports	
Egon Terplan	California Strategic Growth Council	Egon.Terplan@sgc.ca.gov	▪ Quarterly Reports	
Sarah Risher	California Strategic Growth Council	Sarah.Risher@sgc.ca.gov	▪ Equity	▪ Other – General or Undefined
Jazmine Garcia Delgadillo	California Strategic Growth Council	Jazmine.GarciaDelgadillo@SGC.CA.GOV	▪ Equity	
Brigitte Driller	California Transportation Commission (CTC)	Brigitte.Driller@catc.ca.gov	▪ Equity	
Beverly Newman-Burckhard	CTC	Beverley.Newman-Burckhard@catc.ca.gov	▪ Equity	
Laura Pennebaker	CTC	Laura.Pennebaker@catc.ca.gov	▪ Equity	

Name	Organization	Email Address	Group	Hazard Participation
Sequoia Erasmus	CTC	Sequoia.Erasmus@catc.ca.gov	▪ Equity	
Alistair Hayden	Cornell University	Ath79@cornell.edu	▪ SHMP Review Distribution	
Andrea Jorgensen	City and County of San Francisco, Department of Emergency Management	Andrea.Jorgensen@sfgov.org	▪ SHMP Review Distribution	
Chris Reilly	County of Marin, Office of Emergency Services	CReilly@marinsheriff.org	▪ SHMP Review Distribution	
Tom Jordan	County of Marin, Sheriff's Office	T_Jordan@marinsheriff.org	▪ SHMP Review Distribution	
Doug Calhoun	County of Napa Environmental Health – Certified Union Program Agency (CUPA)	Doug.Calhoun@countyofnapa.org		▪ Fire – Urban Structural Fire ▪ Fire – Wildfire
Kendra Bowyer	County of Napa Environmental Health – CUPA	Kendra.Bowyer@countyofnapa.org		▪ Fire – Urban Structural Fire ▪ Fire – Wildfire
Angel Hernandez	County of Napa Environmental Health – CUPA	Angel.Hernandez@countyofnapa.org		▪ Fire – Urban Structural Fire ▪ Fire – Wildfire
Mary Jo Flynn-Nevins	County of Sacramento, Office of Emergency Services	Flynnm@sacoes.org	▪ Climate Impacts	
David Davis	County of San Bernardino	David.Davis@oes.sbcounty.gov	▪ SHMP Review Distribution	
J.D. Saucedo	County of Santa Barbara, Office of Emergency Management	JSaucedo@countyofsb.org	▪ SHMP Review Distribution	
Michael Ramirez	County of San Bernardino	Michael.Ramirez@oes.sbcounty.gov	▪ SHMP Review Distribution	
Lisa Ehret	County of Santa Clara	Lisa.Ehret@oem.sccgov.org	▪ SHMP Review Distribution	
Aaron Bock	County of Tulare	ABock@tularecounty.ca.gov	▪ SHMP Review Distribution	
Diane Gould	Department of General Services, Division of the State Architect	Diane.Gould@dgs.ca.gov	▪ GIS-TAWC ▪ Goals and Objectives	▪ Fire – Urban Structural Fire ▪ Fire – Wildfire ▪ Seismic – Earthquake
Hussain Bhatia	Department of Health Care Access and Information	Hussain.Bhatia@hcai.ca.gov	▪ GIS-TAWC	

Table D-2. Working Group Chronology

Meeting Name	Group	Date
SHMP Kick-Off	Full SHMP Planning Team	8/9/2021
SHMP/GIS Discussion – GIS-TAWC Foundational Background Call	Working/Hazard Group Champions	9/17/2021
GIS-TAWC Kick-Off	GIS-TAWC Members	10/11/2021
GIS-TAWC Meeting	GIS-TAWC Members	10/25/2021
GIS-TAWC Leadership Meeting	Working/Hazard Group Champions	11/2/2021
GIS-TAWC Meeting	GIS-TAWC Members	11/8/2021
Climate Impacts Working Group Kick-Off	Climate Impacts Working Group	11/17/2021
GIS-TAWC Meeting	GIS-TAWC Members	11/29/2021
GIS-TAWC Leadership Meeting	Working/Hazard Group Champions	12/6/2021
Hazard Groups Kick-Off	All Hazard Groups	12/7/2021
GIS-TAWC Leadership Meeting	Working/Hazard Group Champions	12/20/2021
GIS-TAWC Meeting	GIS-TAWC Members	1/10/2022
Hazard Groups Meeting	All Hazard Groups	1/11/2022
GIS-TAWC Leadership Meeting	Working/Hazard Group Champions	1/19/2022
Seismic Hazards Group Leadership Meeting	Working/Hazard Group Champions	1/24/2022
GIS-TAWC Meeting	GIS-TAWC Members	1/24/2022
GIS-TAWC Leadership Meeting	Working/Hazard Group Champions	1/25/2022
Seismic Hazards Group Meeting	Seismic Hazards Group Members	1/26/2022
Flood Hazards Group Leadership Meeting	Working/Hazard Group Champions	1/27/2022
Seismic Hazards Group Leadership Meeting	Working/Hazard Group Champions	1/31/2022
Fire Hazards Group Leadership Meeting	Working/Hazard Group Champions	2/1/2022
Flood Hazards Group Meeting	Flood Hazards Group Members	2/1/2022
Fire Hazards Group Meeting	Fire Hazards Group Members	2/2/2022
Other Hazards Group Meeting	Other Hazards Group Members	2/3/2022
GIS-TAWC Meeting	GIS-TAWC Members	2/7/2022

Meeting Name	Group	Date
Seismic Hazards Group Meeting	Seismic Hazards Group Members	2/9/2022
Fire Hazards Group Meeting	Fire Hazards Group Members	2/16/2022
Goals and Objectives Working Group Kick-Off	Goals and Objectives Working Group Members	2/18/2022
Seismic Hazards Group Meeting	Seismic Hazards Group Members	2/23/2022
Fire Hazards Group Meeting	Fire Hazards Group Members	2/24/2022
Flood Hazards Group Leadership Meeting	Working/Hazard Group Champions	2/25/2022
Flood Hazards Group Leadership Meeting	Working/Hazard Group Champions	2/28/2022
Flood Hazards Group Meeting	Flood Hazards Group Members	3/1/2022
Fire Hazards Group Meeting	Fire Hazards Group Members	3/2/2022
Flood Hazards Group Leadership Meeting	Working/Hazard Group Champions	3/4/2022
Fire Hazards Group Leadership Meeting	Working/Hazard Group Champions	3/8/2022
Seismic Hazards Group Meeting	Seismic Hazards Group Members	3/9/2022
Other Hazards Group Meeting	Other Hazards Group Members	3/10/2022
Fire Hazards Group Meeting	Fire Hazards Group Members	3/16/2022
Other Hazards Group Meeting	Other Hazards Group Members	3/17/2022
Goals and Objectives Working Group Meeting	Goals and Objectives Working Group Members	3/18/2022
Seismic Hazards Group Meeting	Seismic Hazards Group Members	3/23/2022
GIS-TAWC and Seismic Hazards Leadership Meeting	Working/Hazard Group Champions	3/23/2022
GIS-TAWC and Fire Hazards Leadership Meeting	Working/Hazard Group Champions	3/24/2022
Fire Hazards Group Meeting	Fire Hazards Group Members	3/30/2022
Goals and Objectives Working Group Meeting	Goals and Objectives Working Group Members	4/1/2022
Flood Hazards Group Meeting	Flood Hazards Group Members	4/5/2022
Seismic Hazards Group Meeting	Seismic Hazards Group Members	4/6/2022
Other Hazards Group Meeting	Other Hazards Group Members	4/7/2022
Fire Hazards Group Meeting	Fire Hazards Group Members	4/13/2022
Other Hazards Group Meeting	Other Hazards Group Members	4/14/2022
Seismic Hazards Group Meeting	Seismic Hazards Group Members	4/20/2022
Fire Hazards Group Leadership Meeting	Fire Hazards Group Members	4/27/2022

Meeting Name	Group	Date
Fire Hazards Group Meeting	Fire Hazards Group Members	4/27/2022
Other Hazards Group Meeting	Other Hazards Group Members	4/28/2022
Flood Hazards Group Meeting	Flood Hazards Group Members	5/3/2022
Seismic Hazards Group Meeting	Seismic Hazards Group Members	5/4/2022
Other Hazards Group Meeting	Other Hazards Group Members	5/12/2022
Seismic Hazards Group Meeting	Seismic Hazards Group Members	5/18/2022
GIS-TAWC Leadership Meeting	Working/Hazard Group Champions	5/20/2022
Hazard Groups Leadership Meeting	Working/Hazard Group Champions	5/24/2022
Other Hazards Group Meeting	Other Hazards Group Members	5/26/2022
Seismic Hazards Group Meeting	Seismic Hazards Group Members	6/1/2022
Flood Hazards Group Meeting	Flood Hazards Group Members	6/7/2022
Fire Hazards Group Leadership Meeting	Fire Hazards Group Members	6/7/2022
Fire Hazards Group Meeting	Fire Hazards Group Members	6/8/2022
GIS-TAWC Leadership Meeting	GIS-TAWC Members	6/10/2022
Other Hazards Group Meeting	Other Hazards Group Members	6/13/2022
Equity Working Group Leadership Meeting	Working/Hazard Group Champions	6/15/2022
Goals and Objectives Working Group Meeting	Goals and Objectives Working Group Members	6/17/2022
GIS-TAWC Leadership Meeting	GIS-TAWC Members	6/20/2022
Other Hazards Group Meeting	Other Hazards Group Members	6/23/2022
Climate Impacts Working Group Leadership Meeting	Climate Impacts Working Group Members	6/24/2022
Goals and Objectives Working Group Meeting	Goals and Objectives Working Group Members	6/24/2022
Equity Working Group Leadership Meeting	Working/Hazard Group Champions	6/24/2022
Equity Working Group Kick-Off	Equity Working Group Members	6/29/2022
Flood Hazards Group Meeting	Flood Hazards Group Members	7/5/2022
GIS-TAWC and Seismic Hazards Leadership Meeting	Working/Hazard Group Champions	7/6/2022
Goals and Objectives Working Group Meeting	Goals and Objectives Working Group Members	7/8/2022
Climate Impacts Working Group Leadership Meeting	Climate Impacts Working Group Members	7/8/2022
Climate Impacts Working Group Re-Kick-Off	Climate Impacts Working Group Members	7/12/2022

Meeting Name	Group	Date
Equity Working Group Leadership Meeting	Equity Working Group Members	7/14/2022
Equity Working Group Meeting	Equity Working Group Members	7/18/2022
Climate Impacts Working Group Leadership Meeting	Climate Impacts Working Group Members	7/27/2022
Climate Impacts Working Group Meeting	Climate Impacts Working Group Members	7/27/2022
Equity Working Group Meeting	Equity Working Group Members	8/1/2022
Goals and Objectives Working Group Meeting	Goals and Objectives Working Group Members	8/5/2022
Climate Impacts Working Group Meeting	Climate Impacts Working Group Members	8/10/2022
Equity Working Group Meeting	Equity Working Group Members	8/15/2022
Goals and Objectives Working Group Meeting	Goals and Objectives Working Group Members	8/19/2022
Equity Working Group Leadership Meeting	Equity Working Group Members	8/23/2022
Climate Impacts Working Group Meeting	Climate Impacts Working Group Members	8/24/2022
Equity Working Group Meeting	Equity Working Group Members	8/29/2022
Goals and Objectives Working Group Meeting	Goals and Objectives Working Group Members	9/2/2022
Climate Impacts Working Group Meeting	Climate Impacts Working Group Members	9/7/2022
Goals and Objectives Review Meeting	Goals and Objectives Working Group Members	9/9/2022
Equity Working Group Meeting	Equity Working Group Members	9/12/2022
Flood Hazards Group Meeting	Flood Hazards Group Members	10/18/2022
Fire Hazards Group Meeting	Fire Hazards Group Members	10/19/2022
Seismic Hazards Group Meeting	Seismic Hazards Group Members	10/19/2022
Other Hazards Group Meeting	Other Hazards Group Members	10/20/2022

Appendix E. **Differences from Previous Plan and Crosswalk for Plan Reviewers**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

E. DIFFERENCES FROM PREVIOUS PLAN AND CROSSWALK FOR PLAN REVIEWERS

This updated Plan differs from the 2018 State Hazard Mitigation Plan (SHMP) in many ways due to program requirements and plan enhancements. The table below indicates the major changes between the two Plans relating to 44 CFR Part 201 requirements for Standard and Enhanced state hazard mitigation plans. This appendix can be used by technical reviewers of the SHMP to see where the Federal Emergency Management Agency (FEMA) specified requirements have been met. Volume 1 of the 2023 SHMP is supported by a robust suite of appendices included in the second volume of the Plan. All citations in Table E-1 refer to sections in the Core Plan and not necessarily information provided in an appendix. Citations in the table are located within the respective base 2023 SHMP.

Table E-1. Key Changes from Previous Hazard Mitigation Plan

44 CFR Requirement	2018 SHMP	2023 SHMP
PLANNING PROCESS		
S1. Does the plan describe the planning process used to develop the plan? [44 CFR 201.4(b) and (c)(1)]	All of Chapter 2 documents the planning process followed for the plan update including: how the Plan was prepared, schedule or timeframe, specific milestones and activities, agencies and other stakeholders who were involved, and the efforts to integrate that process into additional State planning efforts.	This Plan update transitioned from an effort facilitated through a singular body (State Hazard Mitigation Team) to a process coordinated through subject matter- focused Hazard and Working Groups. The complete planning process is documented in Chapter 1, Section 1.2. This includes how the Plan was prepared, the schedule or timeframe, specific milestones and activities, agencies and other stakeholders who were involved, and the efforts to integrate that process into additional State planning efforts.
S2. Does the plan describe how the state coordinated with other agencies and stakeholders? [44 CFR 201.4(b) and (c)(1)]	Section 2.2.2 of the Plan identifies and chronicles the agency coordination efforts for that plan.	Chapter 1, Section 1.2.1 of the Plan documents how the agencies and stakeholders were coordinated with and how their input was utilized to inform the Plan update.

44 CFR Requirement	2018 SHMP	2023 SHMP
HAZARD IDENTIFICATION AND RISK ASSESSMENT (HIRA)		
S3. Does the risk assessment include an overview of the type and location of all natural hazards that can affect the state? [44 CFR 201.4(c)(2)(i)]	The Plan individually profiles three primary hazard categories (Earthquake and Geologic Hazards, Flood Hazards, and Fire Hazards), and then includes an aggregate profile of Other Hazards containing three separate categories (Other Climate and Weather-Influenced Hazards, Sociotechnical/Technological Hazards, and Threat and Disturbance Hazards). In total, 13 hazards of concern were profiled. Each profile included vulnerability and Risk Assessments.	The Plan individually assessed/profiled 34 hazards of concern that were segregated into two categories: ▪ Natural Hazards of Interest ▪ Other Hazards of Interest The reasoning for this split can be found in Part 2, Chapter 4 of the SHMP. Each hazard profile (Parts 2 and 3, Chapters 4 to 41) Includes a current overview of hazards that can affect the State: ▪ Location (FEMA requirement) – information on where the hazards have occurred or could occur ▪ Previous occurrences (FEMA requirement) – information about when hazards have occurred in the past, including information about the range of observed intensities of the hazards ▪ Probability of future events (FEMA requirement) – discusses the projected changes in the location, range of anticipated intensities, frequency, and duration of hazards ▪ An impact analysis – discusses the impacts of the hazard (e.g., severity and warning time) and the impacts it can have on the environment and other hazards. This section also includes local hazard mitigation plan (LHMP) rankings for each hazard. ▪ Vulnerability of State Assets (FEMA requirement) – overview and analysis of the vulnerability to State assets from the identified hazards as well as a summary of the most vulnerable assets; estimated potential losses to State assets located in hazard areas ▪ Mitigation Alternatives – provides examples of mitigation actions the State and local jurisdictions can implement to reduce impacts of each hazard
S4. Does the risk assessment provide an overview of the probabilities of future hazard events? [44 CFR 201.4(c)(2)(i)]	All 13 hazards profiled have a section dedicated to an overview of the probabilities of future hazard events.	All 34 hazard profiles have a section dedicated to an overview of the probabilities of future hazard events.

44 CFR Requirement	2018 SHMP	2023 SHMP
S5. Does the risk assessment address the vulnerability of state assets located in hazard areas and estimate the potential dollar losses to these assets? [44 CFR 201.4(c)(2)(ii) and 201.4(c)(2)(iii)]	All 13 hazards profiled have a section dedicated to "Assessment of Local Vulnerability and Potential Losses". The only hazard quantitatively assessed was the earthquake hazard with reference to an Annualized Avoided Loss study. All other assessments were qualitatively assessed with reference to local plans for more information.	All 34 hazard profiles have a section dedicated to the vulnerability of State Assets. This includes exposure of State-owned or -leased facilities, critical facilities, and community lifelines; estimates of loss; buildable land; and equity priority communities (exposed and vulnerable populations to the hazard). Vulnerability of local assets can be found in LHMPs for each county. Quantitative assessments were made for all hazards that have a clearly defined extent and location where exposure can be determined. All other hazards were assessed qualitatively.
S6. Does the risk assessment include an overview and analysis of jurisdictions' vulnerability to the identified hazards and the potential losses? [44 CFR 201.4(c)(2)(ii) and 201.4(c)(2)(iii)]	All 13 hazards profiled have a section dedicated to "Assessment of Local Vulnerability and Potential Losses".	Chapter 2, Section 2.5 of the Plan includes a review and discussion on which hazards have been identified to have high impacts on all 58 counties within the State. This was based on a review of local hazard mitigation plans within each of the 58 counties in the State. Note: One jurisdiction does not have an approved hazard mitigation plan as of December 31, 2022.
S7. Was the risk assessment revised to reflect changes in development? [44 CFR 201.4(d)]	The Plan includes a geospatial review of population change trends as well as a look at building permit volumes over a time frame.	The 2023 SHMP includes the same level of detailed analysis for population trends and permit volumes. This can be found in each vulnerability assessment under the 'buildable land' subsection.
STATE MITIGATION CAPABILITIES		
S8. Does the plan discuss the evaluation of the state's hazard management policies, programs, capabilities, and funding sources to mitigate the hazards identified in the risk assessment? [44 CFR 201.4(c)(3)(ii)]	The Plan addresses these requirements in different parts of the Plan.	The 2023 SHMP consolidates all information relating to this requirement into one section of the Plan. This information is in Part 4, Chapter 46.

44 CFR Requirement	2018 SHMP	2023 SHMP
MITIGATION STRATEGY		
S9. Does the mitigation strategy include goals to reduce long-term vulnerabilities from the identified hazards? [44 CFR 201.4(c)(3)(i)]	The Plan identified four goals and 26 objectives. The objectives were separated into subsets under each of the four goals.	The 2023 SHMP identified five goals and 16 objectives. These goals and objectives differed from those in the prior plan in that the goals were linear with each standing on its own merit. This transition was to provide more versatility to the Plan in support of identifying multi-objective actions. These goals and objectives were confirmed by a Working Group that was dedicated to goal setting for the Plan. The goals and objectives can be found in Part 5, Chapter 44.
S10. Does the plan prioritize mitigation actions to reduce vulnerabilities identified in the risk assessment? [44 CFR 201.4(c)(3)(i), 201.4(c)(3)(ii) and 201.4(c)(3)(iii)]	Chapter 3, Section 3.15 of the Plan establishes a range of priorities with the following parameters: ▪ Setting Priorities Based on Mitigation Goals and Federal Mandates ▪ Setting Priorities Based on State Legislation and Executive Orders ▪ Priorities using Federal hazard mitigation funding ▪ Integrating Federal, State, and Local Priorities	The 2023 SHMP applied an entirely new schema for action prioritization from the 2018 SHMP that was consistently applied to all actions. This new schema asked 15 quantifiable questions for each action, for which the answers were weighted and scored. Scoring was then applied to categorize each action "high", "medium", or "low" priority. The explanation for prioritization can be found in Part 5, Chapter 47, Section 47.2 of the 2023 SHMP.
S11. Does the plan identify current and potential sources of funding to implement mitigation actions and activities? [44 CFR 201.4(c)(3)(iv)]	The Plan identifies State priorities for federal hazard mitigation funding.	For every action identified, potential sources of funding have been identified in an action plan matrix. See Part 5, Chapter 47.
S12. Was the plan updated to reflect progress in statewide mitigation efforts and changes in priorities? [44 CFR 201.4(d)]	In Appendix C to the Plan, the status of all actions has been reported under the "2018 Progress Narrative."	All prior actions were fully reconciled by the State agencies responsible through an online tracking and reporting platform. See Part 5, Chapter 45. All actions, including those that were carried over from the 2018 Plan, were prioritized using a new schema, as noted above.
LOCAL PLANNING COORDINATION AND CAPABILITY BUILDING		
S13. Does the plan generally describe and analyze the effectiveness of local government mitigation policies, programs, and capabilities? [44 CFR 201.4(c)(3)(ii)]	This requirement was addressed by sections 1.4, 5.2, 5.3, Table 5.H and Annex 1.	This requirement is addressed under Plan Part 4, Chapter 42 in its entirety.

44 CFR Requirement	2018 SHMP	2023 SHMP
S14. Does the plan describe the process to support the development of approvable local government mitigation plans? [44 CFR 201.3(c)(5) and 201.4(c)(4)(i)]	All of Chapter 5 of the 2018 SHMP is dedicated to local hazard mitigation planning. This requirement was addressed by sections 5.1 and 5.3. Additionally, the grant support aspect for local planning is addressed under Chapter 10.	This requirement has been addressed under Plan Part 4, Chapter 43 in its entirety.
S15. Does the plan describe the criteria for prioritizing funding? [44 CFR 201.4(c)(4)(iii)]	This requirement is addressed by Chapter 3, Section 3.15, which sets clear priorities for use of federal funding.	Although all mitigation projects seeking FEMA Hazard Mitigation Assistance (HMA) funding must be included in the SHMP, the California Governor's Office of Emergency Services (Cal OES) also provides guidelines for reviewing and ranking activities and projects put forth by State agencies, local jurisdictions, Tribal Nations, and other eligible entities. This is described in Part 6, Chapter 54, section 54.2.
S16. Does the plan describe the process and time frame to review, coordinate, and link local and Tribal mitigation plans with the State mitigation plan? [44 CFR 201.3(c)(6), 201.4(c)(2)(ii), 201.4(c)(3)(iii), and 201.4(c)(4)(ii)]	All of Chapter 5 of the 2018 SHMP is dedicated to local hazard mitigation planning. This requirement was addressed by sections 5.1, 5.2 and 5.3.	Part 4, Chapter 43, Section 43.4 has been dedicated to this requirement.
REVIEW, EVALUATION, AND IMPLEMENTATION		
S17. Is there a description of the method and schedule for keeping the plan current? [44 CFR 201.4(c)(5)(i) and 201.4(d)]	This requirement was addressed by Chapter 2, Section 2.5 of the plan.	Part 5, Chapter 48, Sections 48.2 and 48.3 have been dedicated to this requirement.
S18. Does the plan describe the systems for monitoring implementation and reviewing progress? [44 CFR 201.4(c)(5)(ii) and 201.4(c)(5)(iii)]	This requirement was addressed by Chapter 2, Section 2.5 of the plan.	Part 5, Chapter 48, Section 48.2.3 has been dedicated to this requirement.
ADOPTION AND ASSURANCES		
S19.Did the state provide documentation that the plan has been formally adopted? [44 CFR 201.4(c)(6)]	This requirement was addressed by Chapter 1, section 1.5 of the plan.	Part 5, Chapter 48 has been dedicated to this requirement.
Did the state provide assurances? [44 CFR 201.4(c)(7)]	This requirement was addressed by Chapter 1, Section 1.6 of the plan.	Part 5, Chapter 48, Section 48.4 has been dedicated to this requirement.

44 CFR Requirement	2018 SHMP	2023 SHMP
HIGH HAZARD POTENTIAL DAMS (HHPD)		
HHPD1. Did Element S2 (planning process) describe how the state dam safety agency, other agencies, and stakeholders participated in the planning process and contributed expertise, data, studies, information, etc. relative to high hazard potential dams	Did not address as this was a program that was put in place after the 2018 plan was developed and adopted.	The State Mitigation Planning Unit (SMP Unit) collected significant input across Cal OES directorates and other State agencies and departments, such as the California Department of Forestry and Fire Protection (CAL FIRE), the Office of Planning and Research (OPR), the Department of Water Resources (DWR), the California Geological Survey (CGS), and the Department of Housing and Community Development (HCD). This included input and data from the DWR Division of Safety of Dams.
HHPD2. Did Element S6 (risk assessment) address all dam risk for high hazard potential dams in the risk assessment?	Did not address as this was a program that was put in place after the 2018 plan was developed and adopted.	Part 2, Chapter 15 includes a comprehensive assessment of State-owned and -regulated dams within California, and a limited assessment of federal dams. The federal dam assessment was limited due to the accessibility of data on federal dams.
HHPD3. Did Element S9 (mitigation goals) include mitigation goals to reduce long-term vulnerabilities from high hazard potential dams?	Did not address as this was a program that was put in place after the 2018 plan was developed and adopted.	See Part 5, Chapter 44. This requirement is addressed by: Goal 1: *Significantly reduce risk to life, community lifelines, the environment, property, and infrastructure (i.e., High Hazard Potential Dams) by planning and implementing whole community risk reduction and resilience strategies.* *Objective 3: Improve the understanding of the locations, potential and cascading impacts, and linkages among the threats, hazards, vulnerabilities, and measures needed to protect life, community lifelines, the environment, property, and infrastructure.*

44 CFR Requirement	2018 SHMP	2023 SHMP
HHPD4. Did Element S10 (mitigation actions) prioritize mitigation actions and activities to reduce vulnerabilities from high hazard potential dams?	Did not address as this was a program that was put in place after the 2018 plan was developed and adopted.	The Plan identifies and prioritizes nine mitigation actions that would reduce vulnerabilities from high-hazard potential dams. These actions are as follows: ▪ 2023-013 ▪ 2018-002 ▪ 2018-006 ▪ 2018-007 ▪ 2018-008 ▪ 2018-062 ▪ 2018-063 ▪ 2018-110 ▪ 2018-111 See Part 5, Chapter 47
HHPD5. Did Element S11 (funding sources) identify current and potential sources of funding to implement mitigation actions and activities for high hazard potential dams?	Did not address as this was a program that was put in place after the 2018 plan was developed and adopted.	For every action identified, potential sources of funding have been identified in an action plan matrix. See Part 5, Chapter 47.
HHPD6. Did Element S13 (local coordination) generally describe and analyze the effectiveness of local mitigation policies, programs, and capabilities that address high hazard potential dams?	Did not address as this was a program that was put in place after the 2018 plan was developed and adopted.	Part 4, Chapter 42, describes the role of building codes in California and Section 40.9 describes the High Hazard Potential Dam Program and how the State will meet the HHPD requirement, including the average Building Code Effectiveness Grading Schedule (BCEGS) classifications.
HHPD7. Did Element S15 (prioritizing funding) describe the criteria for prioritizing funding for high hazard potential dams?	Did not address as this was a program that was put in place after the 2018 plan was developed and adopted.	Part 6, Section 54.2.8 identifies the HHPD program as a programmatic ranking criterion for prioritizing funding.
FIRE MANAGEMENT ASSISTANCE GRANTS		
FMAG1. Does the plan address wildfire risks? [44 CFR 201.4(c)(2); 44 CFR 204.51(d)(2)]	These requirements we addressed by Chapter 8 of the Plan.	Part 2, Chapter 10 fully profiled and assessed the risk from the wildfire hazard.
FMAG 2. Does the plan's mitigation strategy contain wildfire-related mitigation initiatives? [44 CFR 201.4(c)(3); 44 CFR 204.51(d)(2)]	The 2018 SHMP identified and prioritized seven wildfire mitigation initiatives.	The 2023 SHMP identifies and prioritizes eight wildfire-specific mitigation initiatives. The Plan also identifies numerous "all-hazard" initiatives that would apply to mitigating impacts from the wildfire hazard.

44 CFR Requirement	2018 SHMP	2023 SHMP
ENHANCED STATE PLAN REQUIREMENTS		
ENHANCED STATE PREREQUISITES		
E1. Does the Enhanced plan include all elements of the Standard state mitigation plan? [44 CFR 201.5(b)]	Chapters 1-9 All Annexes & Appendices	Parts 1 to 5, Chapters 1 to 48, and all Appendices.
MEET HMA GRANTS MANAGEMENT PERFORMANCE REQUIREMENTS		
E2. Regarding HMA, is the state maintaining the capability to meet application time frames and submitting complete project applications? [44 CFR 201.5(b)(2)(iii)(A)]	Chapter 10, Sections 10.5.1, 10.5.1.1-10.5.1.4, and Appendix L.	Part 6, Chapter 50 in its entirety.
E3. Regarding HMA, is the state maintaining the capability to prepare and submit accurate environmental reviews and benefit-cost analyses? [44 CFR 201.5(b)(2)(iii)(B)]	Chapter 10, Sections 10.5, 10.5.1, 10.5.1.3, and 10.5.1.4	Part 6, Chapter 50 in its entirety
E4. Regarding HMA, is the state maintaining the capability to submit complete and accurate quarterly progress and financial reports on time? [44 CFR 201.5(b)(2)(iii)(C)]	Chapter 10, Sections 10.5.2 and 10.5.2.1-10.5.2.3	Part 6, Chapter 50 in its entirety.
E5. Regarding HMA, is the state maintaining the capability to complete HMA projects within established performance periods, including financial reconciliation? [44 CFR 201.5(b)(2)(iii)(D)]	Chapter 10, Sections 10.5.2 and 10.5.2.2-10.5.2.4	Part 6, Chapter 50 in its entirety.
INTEGRATED PLANNING		
E6. Does the plan demonstrate integration, to the extent practicable, with other state and/or regional planning initiatives and FEMA mitigation programs and initiatives? [44 CFR 201.5(b)(1)]	This requirement was addressed by multiple sections of the Plan, including sections of Chapters 1, 2, 3, 4, 5, and 10, and Appendix A.	Part 6, Chapter 51 in its entirety.
DEMONSTRATING COMMITMENT TO A COMPREHENSIVE STATE MITIGATION PROGRAM		
E7. Does the state demonstrate commitment to a comprehensive mitigation program? [44 CFR §§ 201.3(c), 201.5(b)(4) and 201.6(d)]	This requirement was addressed by multiple sections of the Plan, including sections of Chapters 1, 3, 4, 5, 6, 7, 8, 9, and 10.	Part 6, Chapter 52 in its entirety.

44 CFR Requirement	2018 SHMP	2023 SHMP
EFFECTIVE USE OF EXISTING MITIGATION PROGRAMS TO ACHIEVE MITIGATION GOALS		
E8. Is the state effectively using existing mitigation programs to achieve mitigation goals? [44 CFR 201.5(a) and 201.5(b)(3)]	Chapter 10, Sections 10.3, 10.4, and 10.5.	Part 6, Chapter 53 in its entirety.
DOCUMENTATION OF THE STATE'S IMPLEMENTATION CAPABILITY		
E9. Does the Enhanced plan document capability to implement mitigation actions? [44 CFR 201.5(b)(2)(i), 201.5(b)(2)(ii), and 201.5(b)(2)(iv)]	Chapter 10, Section 10.5, and Appendix L.	Part 6, Chapter 54 in its entirety.

Appendix F. **Emergency Proclamations and Disaster Declarations**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

F. EMERGENCY PROCLAMATIONS AND DISASTER DECLARATIONS

The following table provides a summary of the state of emergency proclamations and federal disaster declarations experienced by the State of California after November 21, 1950. The table also includes the areas declared, number of reported deaths and injuries, and reported damage.

Injury data is voluntarily self-reported to the California Governor's Office of Emergency Services (Cal OES) by jurisdictions; this table may reflect an incomplete figure for injuries for each individual disaster. For this reason, injury counts were excluded for events after October 2017. Death data is more reflective, as it is confirmed by the Cal OES Law Enforcement Branch with county coroner offices. However, deaths may not be tracked for or attributed to some disaster types by local jurisdictions. Death counts are still included in this Appendix, but jurisdictions should confirm counts with their own partner offices if they wish to include this data in their own planning documents.

All jurisdictions listed were impacted by disasters, had some type of disaster declaration, and received some type of disaster funding; however, not every jurisdiction listed received every available type of disaster funding assistance listed. The information in this Appendix is for informational purposes only. Data was gathered from State and federal sources as of April 7, 2023, and are based on estimates, obligations, and actual costs. These figures are subject to change following the publishing of this Plan.

Table F-1. History of State and Federal Declarations for the State of California

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1950 Floods	Flood	50-01	1950	Statewide	11/21/1950	Not Declared	9	—	$32,183,000
Flood and Erosion	Flood	DR-15	1954	Statewide	—	2/5/1954	—	—	—
Fire, Flood, and Erosion	Flood	DR-28	1954	Los Angeles, San Bernardino	Not Proclaimed	Federal funds made available	—	—	—

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1955 Floods	Flood	DR-47	1955	Statewide	12/22/1955	12/23/1955	74	—	$200,000,000
1956 Fires	Fire	DR-65	1956	Los Angeles (Malibu area), Ventura	Not Proclaimed	12/29/1956	1	Several hundred	$70,000,000
Heavy Rains	Flood	—	1957	Cherry-producing areas of Northern California	Not Proclaimed	Not Declared	—	2	$6,000,000
Newton Fires (Monrovia Fires)	Fire	58-01	1958	Los Angeles	1/3/1958	Not Declared	1	23	—
High Tides	Flood	58-02	1958	City of Imperial Beach, San Diego County	1/31/1958	Not Declared	—	—	—
1958 February Storms & Floods	Flood	58-03	1958	Northern California (Southern boundaries of Santa Cruz, Santa Clara, Stanislaus, Tuolumne, Alpine counties to the Oregon border)	2/26/1958	Not Declared	—	—	—
1958 April Storms & Floods	Flood	DR-82	1958	Statewide	4/2/1958	4/4/1958	13	several	$24,000,000
Potential Flood Damage and Landsides as a Result of Fires	Flood	59-01	1959	Los Angeles	1/8/1959	Not Declared	—	—	—
1959 Heavy rains	Flood	—	1959	Tokay grape producing areas of Northern California	9/17/1959	Not Declared	2	—	$100,000
1960 Major Fires	Fire	—	1960	Lassen, Plumas, Shasta, Sierra, Tehama	8/16/1960	Not Declared	—	—	$3,075,000
1960 Major Fires	Fire	—	1960	Los Angeles, San Bernardino	7/21-22/60	Not Declared	—	12	$10,000,000

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1961 Major Fires	Fire	—	1961	Amador, Butte, El Dorado, Napa, Nevada, Placer, San Diego, Sonoma, Tehama	9/8/1961	Not Declared	—	—	$5,696,813
1961 Major Fires (Madera)	Fire	—	1961	Madera	Not Proclaimed	Not Declared	2	—	—
Bel Air Fires	Fire	DR-119	1961	Los Angeles (Bel Air area)	Not Proclaimed	11/16/1961	—	103	—
High Tides and Waves	Flood	—	1961	Ventura	1/16/1961	Not Declared	—	—	—
Fires and Explosions	Fire	—	1962	Alameda	9/14/1962	Not Declared	1	12	$500,000
1962 Floods and Rains	Flood	—	1962	Alameda, Butte, Contra Costa, Modoc, Napa San Mateo, Sierra, Sutter, Yuba, Placer, Trinity, Lassen	10/17/62, 10/25/62, 10/30/62, & 11/4/62	10/24/1962	—	—	$4,000,000
Flood and Rainstorm	Flood	DR-122	1962	Los Angeles, Ventura	2/16/62 and 2/23/62	3/6/1962	—	—	—
1963 Floods	Flood	—	1963	Northern California (boundaries of San Luis Obispo, Ventura, Los Angeles, and San Bernardino counties to the Oregon border)	2/14/1964	Not Declared	—	—	—
High Tides and Heavy Surf	Flood	—	1963	Orange, City of Redondo Beach	Not Proclaimed	Not Declared	5	—	$500,000

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1963 Floods and Rains	Flood	—	1963	Alpine, Nevada, Placer, Plumas, Sierra, Amador, Colusa, El Dorado, Glenn, Lake, Lassen, Tehama, Santa Clara, Santa Cruz, Siskiyou, Yolo, Tulare, Mono, Trinity, Yuba	2/7/63, 2/26/63, 2/29/63, 4/22/63	145 (2/25/63)	—	—	—
Severe Storms and Flooding	Flood	DR-138	1963	Statewide	—	10/24/1962	—	—	—
Severe Storms, Heavy Rains and Flooding	Flood	DR-145	1963	Statewide	—	2/25/1963	—	—	—
Baldwin Hills Dam Failure	Flood	DR-161	1963	Los Angeles	12/16/1963	12/21/1963	—	—	$5,233,203
Weldon Fire	Fire	—	1964	Los Angeles	3/16/1964	Not Declared	—	—	$2,000,000
Fires and High Winds	Fire	—	1964	Napa, Sonoma, Santa Barbara	9/22/64, 9/23/64, 9/25/64	Not Declared	—	—	$16,500,000
1964 Heavy Rains	Flood	—	1964	Humboldt	2/10/1964	Not Declared	—	—	$1,407,000
1964 Storms	Flood	—	1964	Los Angeles	4/3/1964	Not Declared	—	—	$1,610,300

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1964 Late Winter Storms	Flood	DR-183	1964	Del Norte, Humboldt, Shasta, Mendocino, Colusa, Glenn, Lassen, Plumas, Sierra, Siskiyou, Sonoma, Sutter, Tehama, Trinity, Amador, Butte, El Dorado, Modoc, Nevada, Placer, Yuba, Alpine, Lake, Sacramento, Yolo, Marin	12/22/64, 12/23/64, 12/28/64, 1/5/65, 1/14/65	12/24/1964	—	—	$213,149,000
Seismic Sea Wave	Other	DR-169	1964	Statewide	—	4/1/1964	—	—	—
(Del Norte)	Tsunami	—	1964	Del Norte	3/28/1964	4/1/1964	12		$10,000,000
1964 Tsunami (Marin)	Tsunami	—	1964	Marin	9/15/1964	Not Declared	—	—	—
1965 Riots	Civil Unrest	—	1965	Los Angeles	8/14/1965	Not Declared	32	874	$44,991,000
1965 Fires	Fire	—	1965	Marin, Napa, Placer, Solano, Sonoma	9/18/1965	Not Declared	—	—	—
Flooding and Landslides	Flood	—	1965	City of Burbank, Los Angeles	1/5/1965	Not Declared	—	—	—
1965 Heavy Rainfall	Flood	DR-211	1965	Riverside, San Bernardino, Ventura, San Diego	11/24/65, 11/26/65, 12/23/65	12/7/1965, 1/3/1966	—	—	$21,843,739
1965 Landslide	Landslide	—	1965	City of Los Angeles (Pacific Palisades area), Los Angeles County	6/21/1965	Not Declared	—	—	$6,488,600
1966 Riots	Civil Unrest	—	1966	San Francisco	9/27/1966	Not Declared	—	42	—
1966 Rains	Flood	DR-212	1966	Humboldt	1/14/1966	1/22/1966	—	—	$6,918,000

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1966 Winter Storms	Flood	DR-223	1966	Kern, Riverside, Tulare, San Bernardino, San Luis Obispo, Monterey, City of Escondido (San Diego County), Inyo	12/9/66, 12/13/66, 12/16/66, 12/23/66	1/2/1967	—	—	$28,761,041
1966 Landslides	Landslide	—	1966	Redwood City (San Mateo)	12/16/1966	Not Declared	—	—	$100,000
Woodson Fire	Fire	—	1967	Los Angeles, Orange, San Diego, Ventura	1/7/1967	Not Declared	—	—	$11,345,000
1968 Riots	Civil Unrest	—	1968	City of Richmond (Contra Costa County)	8/2/1968	Not Declared	—	—	—
Berkeley Riots	Civil Unrest	—	1969	City of Berkeley (Alameda County)	Not Proclaimed	Not Declared	—	—	—
Heavy Snow Runoff	Flood	DR-227	1969	Kings	1/28/1996	8/15/1969	—	—	$2,812,500

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1969 Storms	Flood	DR-253	1969	Los Angeles, San Luis Obispo, Fresno, Inyo, Riverside, San Bernardino, Santa Barbara, Tulare, Ventura, Amador, El Dorado, Kern, Kings, Madera, Modoc, Mono, Monterey, Orange, Placer, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Tuolumne, Mariposa, Merced, Calaveras, San Benito, Sierra, Contra Costa, Humboldt, Mendocino, Sonoma, Plumas, Tehama, Yuba, Butte, Marin, Yolo	1/23/69, 1/25,69, 1/28/69, 1/29/69, 2/8/69, 2/10/69, 2/16/69, 3/12/69	1/26/1969	47	161	$300,000,000
Flooding & Falling Trees	Flood	DR-270	1969	Kings	Not Proclaimed	8/15/1969	—	—	—
1969 Freeze	Freeze	—	1969	San Diego	2/5/1969	Not Declared	—	—	$10,000,000
Santa Barbara Oil Spill	HazMat	—	1969	Coastal Areas of Southern California	Not Proclaimed	Not Declared	—	—	—
1970 Riots	Civil Unrest	—	1970	Santa Barbara	2/26/1970	Not Declared	—	12+	$300,000
Fire (Tuolumne)	Fire	—	1970	City of Sonora (Tuolumne County), Tuolumne	2/26/1970	Not Declared	—	—	$2,300,000
Fires (Riverside)	Fire	—	1970	Riverside	12/22/1970	Not Declared	—	—	$3,200,000

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1970 Fires	Fire	DR-295	1970	City of Oakland (Alameda County), Los Angeles, Ventura, San Diego, Kern, San Bernardino, Monterey, Riverside	9/24/70, 9/28/70, 10/1/70, 10/2/70, 10/20/70, 11/14/70	9/29/1970	19	—	$223,611,000
1970 Storms and Floods	Flood	—	1970	Contra Costa	4/10/1970	Not Declared	—	—	—
1970 Northern California Flooding	Flood	DR-283	1970	Butte, Colusa, Glenn, Lake, Lassen, Marin, Modoc, Plumas, Shasta, Siskiyou, Tehama, Trinity, Sutter, Yuba, Del Norte, Alameda, El Dorado, Mendocino	1/27/1970, 2/3/1970, 2/10/1970, 3/2/1970	2/16/1970	—	—	$27,657,478
1970 Freeze	Freeze	—	1970	Napa, Sonoma, Mendocino, San Joaquin, Lake	5/1/70, 5/19/70, 6/8/70, 6/10/70, 7/24/70	Not Declared	—	—	$19,749,200
1970 Landslide (Los Angeles)	Landslide	—	1970	City of Los Angeles (Los Angeles County)	3/10/1970	Not Declared	—	—	$8,500,000
1970 Landslide (Oakland)	Landslide	—	1970	City of Oakland (Alameda)	Not Proclaimed	Not Declared	—	—	—
San Fernando Earthquake	Earthquake	DR-299	1971	Los Angeles	2/9/1971	2/9/1971	58	2,000	$483,957,000
1971 Fires	Fire	—	1971	Santa Barbara	10/13/1971	Not Declared	4	—	$9,000,000
1972 High Tides	Flood	—	1971	Ventura	5/19/1971	Not Declared		—	$250,000
Exotic Newcastle Disease Epidemic	Agricultural	—	1972	Los Angeles, Orange, Riverside, San Bernardino, San Diego, Ventura, Santa Barbara	4/10/72, 5/22/72	Not Declared	—	—	$10,000,000

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1972 Drought	Drought	—	1972	Glenn, San Benito, Santa Clara	7/3/1972	Not Declared	—	—	$8,000,000
1972 Severe Weather	Flood	—	1972	Sutter	9/3/1972	Not Declared	—	—	$2,004,300
1972 Heavy Rains and Mud Slides	Flood	—	1972	Monterey	10/24/1972	Not Declared	—	—	$720,000
1972 Storms	Flood	DR-316	1972	Santa Barbara	1/3/1972	2/11/1972	—	—	$2,660,000
1972 Continuing Storms	Flood	DR-329	1972	Del Norte, Humboldt	2/28/1972, 3/28/72	4/5/1972	—	—	$6,817,618
Andrus Island Levee Break	Flood	DR-342	1972	Sacramento	6/21/1972	6/27/1972	—	—	$23,681,630
1972 Freeze (Lake)	Freeze	—	1972	Lake	7/13/1972	Not Declared	—	—	$357,000
1972 Freeze	Freeze	—	1972	Fresno, Kings, Tulare, Merced, Kern, Madera, San Benito, Stanislaus, El Dorado, Tehama, Placer, Nevada, San Joaquin, Colusa, Siskiyou, Modoc, Santa Clara	4/17/72, 5/22/72, 5/31/72	Not Declared	—	—	$111,517,260
Southern Pacific Railroad Fires and Explosions (Roseville)	Fire	—	1973	Sacramento, Placer	4/30/1973	Not Declared	—	37	$2,925,000
1973 Fires	Fire	—	1973	Los Angeles	7/16/1973	Not Declared	—	—	$1,300,000
Boulder Fire	Fire	—	1973	San Diego	12/12/1973	Not Declared	—	—	$215,700
1973 High Tides	Flood	—	1973	Ventura	2/1/1973	Not Declared	—	—	$1,027,000

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1973 Storms and Floods	Flood	—	1973	Colusa, Glenn, Napa, Placer, Sutter, Yuba	2/28/1973	Not Declared	—	—	$1,864,000
Storms and Floods (Mendocino)	Flood	—	1973	Mendocino	3/15/1973	Not Declared	—	—	$1,523,200
Storms and Floods (San Mateo)	Flood	—	1973	City of Pacifica (San Mateo County)	4/11/1973	Not Declared	—	—	$700,000
Severe Storms, High Tides & Flooding	Flood	DR-364	1973	Marin, San Luis Obispo, City of South San Francisco (San Mateo County), Santa Barbara, Solano, Ventura	1/23/73, 1/30/73, 2/8/73, 2/28/73	2/3/1973	—	—	$17,998,250
1973 Freeze	Freeze	—	1973	Butte	2/28/1973	Not Declared	—	—	$300,000
Eucalyptus Tree Freeze	Freeze	—	1973	Alameda, Contra Costa	4/4/1973	Not Declared	—	—	—
Gasoline Shortage	Economic	—	1974	Alameda, Contra Costa, Los Angeles, Orange, Riverside, San Mateo, Solano, Santa Clara, Ventura	2/28/74, 3/4/74, 3/10/74	Not Declared	—	—	—
Storms (Santa Cruz)	Flood	—	1974	Santa Cruz	2/28/1974	Not Declared	—	—	$763,267
1974 Storms	Flood	DR-412	1974	Humboldt, Shasta, Siskiyou, Trinity, Glenn, Mendocino, Tehama	1/17/74, 1/18/74	1/25/1974	—	—	$35,192,500
1974 Storms	Flood	DR-432	1974	Mendocino	4/23/1974	5/7/1974	—	—	$4,475,900
Butte Earthquake	Earthquake	75-03	1975	Butte	Unknown	8/1/1975	—	—	—
1975 Fires	Fire	—	1975	Los Angeles	11/24/1975	Not Declared	—	—	$19,486,960

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Heavy Rain and Snow (El Dorado)	Flood	75-01	1975	El Dorado	2/1/1975	Not Declared	—	—	—
Heavy Rain and Snow (Kern)	Flood	75-04	1975	Kern	11/1/1975	Not Declared	—	—	—
1976 Drought	Drought	—	1976	Alpine, Calaveras, Colusa, Fresno, Glenn, Madera, Merced, San Diego, San Joaquin, Solano, Stanislaus, Sutter, Tuolumne, Alameda, Butte, Contra Costa, Kings, Los Angeles, Riverside, San Luis Obispo, Tulare, Yolo, Amador, Monterey, Napa, Nevada, San Benito, San Bernardino, Tehama, San Mateo, Marin	2/9/76, 2/13,76, 2/24/76, 3/26/76, 7/6/76	Not Declared	—	—	$2,664,000,000
1976 Heavy Rains and Windstorms	Flood	76-02	1976	San Diego	9/1/1976	Not Declared	—	—	—
1976 High Winds and Flooding	Flood	DR-521	1976	Imperial, Riverside, San Bernardino, San Diego	9/13/76, 9/22/76	9/21/1976	—	—	$120,132,771

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Drought	Drought	EM-3023	1977	Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Fresno, Glenn, Inyo, Kern, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba	Not Proclaimed	1/20/1977	—	—	—
Sycamore Fire	Fire	—	1977	Santa Barbara	7/27/1977	Not Declared	—	—	$25,540,755
Scarface Fire	Fire	FM-2028	1977	Modoc	Not Proclaimed	8/1/1977	—	—	—
1977 Heavy Rains and Windstorms	Flood	76-03/04	1977	San Bernardino	1/1/1977	Not Declared	—	—	—
Imperial County Flooding	Flood	77-02	1977	Imperial	8/23/1977	Not Declared	—	—	$28,498,469

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Desert Hot Springs Heavy Rains	Flood	77-01	1977	Imperial	8/31/1977	Not Declared	—	—	—
Threat of Floods	Flood	—	1977	Monterey, Riverside	9/8/1977	Not Declared	—	—	$6,110,000
Heavy Rainstorms	Flood	77-03/04	1977	Imperial, Mendocino, Riverside	10/1/1977	Not Declared	—	—	—
1977 Storms	Flood	77-05	1977	San Diego, Kern, Humboldt, City of Arvin (Kern County)	1/10/78, 12/23/77, 1/22/77, 12/21/77	Not Declared	—	—	$38,009,035
PSA Air Crash	Air Disaster	—	1978	City of San Diego (San Diego County)	1/15/1979	Not Declared	150	—	—
Santa Barbara Earthquake	Earthquake	—	1978	Santa Barbara	8/15/1978	Not Declared	—	65	$12,987,000
1978 Los Angeles Fire	Fire	EM-3067	1978	Los Angeles	10/24/1978	10/29/1978	1	—	$61,279,374
Heavy Rains (Marin)	Flood	78-02	1978	Marin	1/1/1978	Not Declared	—	—	—
1978 Storms and Flooding	Flood	78-01/03	1978	Riverside, San Diego	1/26/1978	Not Declared	—	—	—
Heavy rains excluded	Flood	78-06-11	1978	Santa Clara, Solano, Sonoma, Tuolumne, Colusa	2/13/1978	Not Declared	—	—	—
Inyo County Flooding	Flood	78-13	1978	Inyo	9/1/1978	Not Declared	—	—	—
1978 Storms	Flood	78-03/04	1978	Humboldt, Mendocino, Santa Cruz	1/27/78, 1/20/78	Not Declared	—	—	$6,126,409

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1978 Winter Storms	Flood	DR-547	1978	Inyo, Mono, San Diego, San Luis Obispo, Kings, Monterey, Kern, Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara, Tulare, Ventura	3/9/78, 2/27,78, 2/13/78	2/15/1978	14	21	$117,802,785
Laguna Landslide	Landslide	DR-566	1978	City of Laguna Beach (Orange County)	10/5/1978	10/9/1978	—	—	$16,595,000
Imperial Earthquake	Earthquake	DR-609	1979	Imperial	10/16/1979	10/16/1979	—	91	$21,197,250
Gasoline Shortage	Economic	—	1979	Alameda, Contra Costa, Los Angeles, Marin, Monterey, Orange, Riverside, San Francisco, San Diego, Santa Clara, Santa Cruz, San Mateo, Ventura, San Bernardino, Sonoma	5/8/79 - 11/13/79	Not Declared	—	—	—
1979 Fires	Fire	—	1979	Santa Barbara, Ventura, Los Angeles, El Dorado	9/28/79, 9/21/79, 9/20/79	Not Declared	—	—	$9,970,119
1979 Storms and Floods (San Diego)	Flood	79-01	1979	San Diego	2/1/1979	Not Declared	—	—	—
Excessive Rains	Flood	—	1979	Riverside	Not Proclaimed	Not Declared	—	—	—
1979 Severe Storms (Riverside)	Flood	DR-594	1979	Riverside	7/26/1980	7/27/1979	—	—	$25,867,100

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1980 Mediterranean Fruit Fly Infestation	Agricultural	—	1980	Alameda, Santa Clara	12/1/1980	Not Declared	—	—	—
Owens Valley Earthquake	Earthquake	—	1980	Mono	5/28/1980	Not Declared	—	9	$2,000,000
1980 Southern California Fires	Fire	DR-635	1980	San Bernardino, Los Angeles, Orange, Riverside	11/18/1980, 11/25/80	11/27/1980	—	—	$64,795,200
1980 March Storms	Flood	—	1980	Stanislaus, Monterey, Solano, Santa Cruz	3/5/1980	Not Declared	—	—	—
1980 April Storms	Flood	80-01 – 80-25	1980	Alpine, Amador, El Dorado, Inyo, Lake, Marin, Monterey, Placer, Plumas, San Mateo, Santa Cruz, Sierra, Solano, Stanislaus, Tuolumne, Calaveras	4/1/1980	Not Declared	—	—	—
1980 Winter Storms	Flood	DR-615	1980	Santa Barbara, Los Angeles, Orange, Riverside, Ventura, San Bernardino, San Diego	2/21/80, 2/7/80, 2/19/80	2/21/1980	—	—	—
Jones Tract Levee Break	Flood	DR-633	1980	San Joaquin	9/30/1980	9/30/1980	—	—	$21,510,956
Delta Levee Break	Flood	EM-3078	1980	Contra Costa, Sacramento, San Joaquin	1/23/1980	1/23/1980	—	—	$17,388,013
1981 Mediterranean Fruit Fly Infestation	Agricultural	—	1981	Contra Costa, Los Angeles, San Benito, Stanislaus, Santa Cruz, San Mateo	8/8/81 – 9/25/81	Not Declared	—	—	$22,000,000

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Imperial County Earthquake	Earthquake	81-02	1981	Imperial	4/1/1981	Not Declared	—	—	—
Major Brush Fire	Fire	—	1981	Napa	6/1/1981	Not Declared	—	—	—
Atlas Peak Fire	Fire	—	1981	Napa	6/24/1981	Not Declared	—	—	$31,000,000
Strong Winds & Fire	Fire	82-01	1981	Humboldt	10/81	Not Declared	—	—	—
Wave Action & High Tides	Flood	81-01	1981	San Mateo	3/81	Not Declared	—	—	—
Rains Causing Agricultural Losses	Agricultural	—	1982	Fresno, Madera, Merced, Monterey, Kern, Tulare, Sacramento, San Joaquin, Solano, Stanislaus, Yolo	10/26/1982	Not Declared	—	—	$345,195,974
Dayton Hills Fire	Fire	—	1982	Los Angeles, Orange, Ventura	10/10/1982	Not Declared	—	—	$19,277,102
Orange Fire	Fire	DR-657	1982	Orange	4/21/1982	4/21/1982	—	—	$50,877,040
Heavy Rains and Flooding	Flood	82-03	1982	Amador, Calaveras, Madera, Mono, Sacramento, Santa Clara, Santa Cruz, Sierra, Yuba	4/1/1982	Not Declared	—	—	—
1982 Heavy Rains	Flood	82-16	1982	Inyo	9/27/1982	Not Declared	—	—	$6,161,320
High Tides and Rains	Flood	—	1982	Contra Costa, Sacramento, San Joaquin	12/8/1982	Not Declared	—	—	$6,964,998
Rain and Flooding (Imperial)	Flood	82-17	1982	Imperial	12/82	Not Declared	—	—	—

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1982 Winter Storms	Flood	DR-651	1982	Alameda, Santa Clara, Solano, San Joaquin, Contra Costa, Humboldt, Marin, San Mateo, Santa Cruz, Sonoma	1/5/82 – 1/9/82	1/7/1982	33	481	$273,850,000
McDonald Island Levee Break	Flood	DR-669	1982	McDonald Island (San Joaquin County)	8/24/1982	8/24/1982	—	—	$11,561,870
1982-83 Floods	Flood	DR-677, 82-18	1982	Contra Costa, San Joaquin, Sacramento, Marin, San Mateo, Los Angeles, San Diego, Alameda, Orange, San Benito, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sonoma, Ventura, Trinity, Colusa, Lake, Mendocino, Monterey, San Luis Obispo, Solano, Yolo, Butte, Glenn, Kern, Kings, San Bernardino, Sutter, Tehama, Merced, Del Norte, Fresno, Madera, Napa, Placer, Riverside, Stanislaus, Tulare, Humboldt, Mariposa, Nevada, Yuba	12/8/82 – 3/21/83	2/9/1983	—	—	$523,617,032
Mexican Fruit Fly	Agricultural	—	1983	Los Angeles	11/4/1983	Not Declared	—	—	—

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Coalinga Earthquake	Earthquake	DR-682	1983	Fresno	5/2/1983	5/3/1983	—	47	$31,076,300
Bradford Levee Failure	Flood	83-05	1983	Contra Costa, Alameda	12/9/83, 1/18/84	Not Declared	—	—	$10,909,785
1983 Floods	Flood	82-19	1983	Los Angeles	3/83	Not Declared	—	—	—
River Junction Storms	Flood	83-02	1983	San Joaquin	3/83	Not Declared	—	—	—
Colorado River Flooding	Flood	DR-687, 83-07	1983	Riverside, San Bernardino, Imperial	6/23/83, 6/28/83	7/1/1983	—	—	$4,640,315
1983 Summer Storms	Flood	DR-690, 83-09	1983	Inyo, Riverside, San Bernardino	8/29/1983	8/29/1983	3	—	$34,689,155
San Bernardino Flooding	Flood	84-01	1983	San Bernardino	11/83	Not Declared	—	—	—
High Winds	Wind	83-01	1983	Yuba, Los Angeles	3/83	Not Declared	—	—	—
Morgan Hill Earthquake	Earthquake	EM-4043	1984	Santa Clara	Not Proclaimed	4/25/1984	—	27	$7,265,000
High Tides/Storms	Flood	83-06	1984	Contra Costa	1/1/1984	Not Declared	—	—	—
1984 Storms (Kern)	Flood	84-01	1984	Kern	Unknown	Not Declared	—	—	$1,600,000
1984 Floods	Flood	84-02, 84-03	1984	Inyo, Mono	Unknown	9/1/1984	—	—	—
Wheeler Fire	Fire	—	1985	Ventura	10/14/1985	Not Declared	1	2	—
1985 Statewide Fires	Fire	DR-739	1985	San Diego, City of Los Angeles (Los Angeles County), San Luis Obispo, Monterey, Santa Clara, Santa Cruz, Ventura	7/1/85 – 7/11/85	7/18/1985	3	470	$64,845,864
Lexington Fire	Fire	FM-2054	1985	Santa Clara	Not Proclaimed	7/11/1985	—	—	—
Hidden Valley Lake Fire	Fire	FM-2055	1985	Lake	Not Proclaimed	7/11/1985	—	—	—

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Hydrilla Infestation	Invasive Species	—	1985	Shasta	9/13/1985	Not Declared	—	—	—
Plane Crash	Air Disaster	—	1986	City of Cerritos (Los Angeles County)	8/31/1986	Not Declared	82	2	—
Earthquake (Riverside)	Earthquake	86-02	1986	Riverside	10/86	Not Declared	—	—	—
Heavy Rains	Flood	—	1986	Monterey, Siskiyou	3/26/1986	Not Declared	—	—	$400,000
1986 Storms	Flood	DR-758, 86-01	1986	Humboldt, Napa, Sonoma, Glenn, Lake, Marin, Modoc, Sacramento, Santa Clara, Santa Cruz, Solano, Yuba, Alpine, Amador, Butte, Calaveras, Colusa, El Dorado, Lassen, Mendocino, Nevada, Placer, Plumas, San Joaquin, Sierra, Sutter, Tehama, Tuolumne, Yolo, Fresno, Madera, San Mateo, Alameda, Contra Costa, Del Norte, Trinity, Mono, San Benito, Shasta	2/18/86 – 3/12/86	2/18/1986	13	67	$407,538,904
Mediterranean Fruit Fly	Agricultural	—	1987	Los Angeles	8/25/1987	Not Declared	—	—	—
Imperial County Earthquake	Earthquake	87-03	1987	Imperial	11/23/1987	Not Declared	—	94	$2,638,833

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Whittier Earthquake	Earthquake	DR-799, 87-01	1987	Monterey Park (Los Angeles County), City of Whittier (Los Angeles County), Los Angeles, Orange	10/2/87 – 10/5/87	10/7/1987	9	200+	$358,052,144
Del Monte Fire	Fire	—	1987	Monterey	5/1/1987	Not Declared	—	8	$15,000,000
Acorn Fire	Fire	—	1987	Alpine	8/3/1987	Not Declared	—	3	$8,500,000
Wildfires/Flooding/ Mud Slides	Fire	87-01	1987	San Diego	11/19/1987	Not Declared	—	—	$5,371,150
1987 Wildland Fires	Fire	—	1987	Colusa, Del Norte, Butte, Fresno, Humboldt, Inyo, Kern, Lake, Lassen, Mariposa, Mendocino, Modoc, Mono, Nevada, Placer, Plumas, Riverside, San Bernardino, Shasta, Sierra, Siskiyou, Trinity, Tulare, Tuolumne	9/10/87, 9/3/87	Not Declared	3	76	$18,000,000
Stanislaus Fire Complex	Fire	FM-2065	1987	Mariposa	Not Proclaimed	9/2/1987	—	—	—
Mediterranean Fruit Fly	Agricultural	—	1988	Los Angeles	7/21/1988	Not Declared	—	—	—
Fire and Wind Driven Waves	Fire	—	1988	City of Redondo Beach (Los Angeles County)	6/15/1988	Not Declared	—	—	$25,000,000
Wildland Fires (Calaveras)	Fire	88-01	1988	Calaveras	7/21/1988	Not Declared	—	—	—
Fires (Los Angeles)	Fire	88-03	1988	Los Angeles	12/9/1988	Not Declared	—	2	$12,400,000
1988 Fires	Fire	87-07	1988	Los Angeles	5/88	Not Declared	—	—	—

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Fires (Forty-Niner, Miller, Fern)	Fire	DR-815	1988	Shasta, Solano, Yuba, Nevada	9/11/88-9/20/88	9/13/1988	—	—	—
Forty-Niner Fire	Fire	FM-2071	1988	Nevada	Not Proclaimed	9/13/1988	—	—	—
1988 Storms	Flood	87-06	1988	Santa Barbara, City of San Buenaventura	Unknown	Not Declared	—	—	—
Coastal Storms	Flood	DR-812, 87-04	1988	Los Angeles, Orange, San Diego, San Bernardino, Ventura	1/21/1988	2/5/1988	—	—	—
Mediterranean Fruit Fly (Los Angeles)	Agricultural	—	1989	Los Angeles	8/9/1989	Not Declared	—	—	—
Mediterranean Fruit Fly (Santa Clara)	Agricultural	—	1989	Santa Clara	9/6/1989	Not Declared	—	—	—
Mediterranean Fruit Fly (San Bernardino)	Agricultural	—	1989	San Bernardino	10/3/1989	Not Declared	—	—	—
Mediterranean Fruit Fly	Agricultural	—	1989	Orange, Mariposa	11/20/1989	Not Declared	—	—	—
Loma Prieta Earthquake	Earthquake	DR-845, 89-05	1989	Alameda, Monterey, San Benito, San Mateo, Santa Clara, Santa Cruz, San Francisco, Contra Costa, Marin, City of Isleton (Sacramento County), City of Tracy (San Joaquin County), Solano	10/18/89 – 10/30/89	10/18/1989	63	3,757	$888,662,382

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Mediterranean Fruit Fly (Riverside)	Agricultural	—	1990	Riverside	4/18/1990	Not Declared	—	—	—
Mexican Fruit Fly	Agricultural	—	1990	Los Angeles, San Diego	5/14/1990	Not Declared	—	—	—
1990 Drought	Drought	—	1990	City of Santa Barbara (Santa Barbara County)	7/17/1990	Not Declared	—	—	—
Santa Barbara Drought	Drought	—	1990	Santa Barbara	11/13/1990	Not Declared	—	—	—
Upland Earthquake	Earthquake	89-07	1990	Los Angeles, San Bernardino	3/9/90, 3/13/90	Not Declared	—	38	$12,034,150
Finley Fire/Yosemite Fire	Fire	90-01, 90-02	1990	Mariposa, Kern, Tehama	8/13/90, 8/14/90	Not Declared	1	84	$548,000,000
Santa Barbara Fires	Fire	DR-872, 89-08	1990	Los Angeles, Santa Barbara, Riverside, San Bernardino	6/28/90, 6/29/90	6/30/1990	3	89	$4,061,861
1990 Severe Storms	Flood	989-06	1990	Butte, Nevada	2/22/1990	Not Declared	1	17	$11,500,000

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1990 Freeze	Freeze	DR-894	1990	Santa Cruz, Fresno, Glenn, Imperial, Kern, Mendocino, Monterey, Riverside, San Benito, San Bernardino, San Diego, San Mateo, Santa Barbara, Santa Clara, Solano, Sonoma, Tulare, Ventura, Alameda, Butte, Colusa, Los Angeles, Madera, Marin, Merced, Napa, San Joaquin, San Luis Obispo, Sutter, Yolo, Yuba, Stanislaus, Tehama	12/19/90-1/18/91	2/11/1991	—	—	$856,329,675
Sweet potato Whitefly	Agricultural	—	1991	Imperial, Riverside	Not Proclaimed	Not Declared	—	—	$12,700,000
Sierra Madre Earthquake	Earthquake	91-04	1991	Los Angeles	7/5/1991	Not Declared	1	30	$33,500,000
East Bay Hills Fire	Fire	DR-919, 91-05	1991	Alameda County	10/20/1991	10/22/1991	25	150	$56,996,503
1991 Heavy Rains	Flood	91-01, 91-03	1991	San Bernardino, San Diego	4/1/1991	Not Declared	—	—	—
Los Angeles Civil Unrest	Civil Unrest	DR-942, 92-03	1992	Los Angeles	4/29/1992	5/22/1992	53	2,383	$122,431,732
1992 Humboldt Earthquake	Earthquake	DR-943, 92-02	1992	Humboldt	4/25/1992	5/5/1992		356	$17,829,642
Landers/Big Bear Earthquake	Earthquake	DR-947, 92-04	1992	Riverside, San Bernardino, Los Angeles	6/28/1992	6/28/1992	1	402	$15,579,530

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Fountain Fire	Fire	DR-958, 92-05	1992	Calaveras, Shasta	8/21/1992	8/29/1992		8	$38,152,133
1992 Winter Storms	Flood	DR-935, 92-01	1992	Los Angeles, Ventura, City of Los Angeles, Kern, Orange, San Bernardino	2/12/92, 2/19/92	2/25/1992	5		$53,897,542
1992 Late Winter Storms	Flood	DR-979, 93-01	1992	Alpine, Los Angeles, Humboldt, Napa, Santa Barbara, Culver City (Los Angeles County), City of Los Angeles (Los Angeles County), Contra Costa, Mendocino, Sonoma, Fresno, Imperial, Madera, Monterey, San Bernardino, Sierra, Tehama, Trinity, Tulare, Modoc, Orange, Riverside, Lassen, Siskiyou, Plumas, San Diego	1/7/93 -2/19/93	1/15/1993	20	10	$226,018,111
Point Loma Sewage Spill	HazMat	—	1992	San Diego, City of Chula Vista, City of Coronado, San Diego	2/6/92, 2/7/92	Not Declared	—	—	—
Mediterranean Fruit Fly (Riverside)	Agricultural	—	1993	Riverside	12/93	Not Declared	—	—	—
Klamath Earthquake	Earthquake	93-03	1993	Modoc	10/93	Not Declared	—	—	—
1993 Southern California Firestorms	Fire	DR-1005, 93-05	1993	Los Angeles, Ventura, San Diego, Orange, Riverside, San Bernardino	10/27/93, 10/28/93	10/28/1993	4	162	$83,032,567

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Flash flooding	Flood	92-06, 92-09	1993	San Bernardino	1/93	Not Declared	—	—	—
Tijuana River Pollution	HazMat	—	1993	San Diego	9/10/1993	Not Declared	—	—	—
New River Pollution	HazMat	—	1993	Imperial	10/6/1993	Not Declared	—	—	—
Tornado	Tornado	93-02	1993	Imperial	9/10/1993	Not Declared	—	—	—
Mediterranean Fruit Fly (Ventura)	Agricultural	—	1994	Ventura	10/7/1994	Not Declared	—	—	—
Northridge Earthquake	Earthquake	DR-1008, 94-01	1994	Los Angeles, Ventura, Orange	1/17/94, 1/24/94	1/17/1994	57	11,846	$6,115,103,071
1994 Humboldt Earthquake	Earthquake	94-03	1994	Humboldt	12/29/1994	Not Declared	—	—	$1,300,000
San Luis Obispo Fire – Hwy 41	Fire	94-02	1994	San Luis Obispo	8/24/1994	Not Declared	—	12	$6,382,235
Salmon fisheries	Fishing Losses	DR-1038	1994	Del Norte, Humboldt, Mendocino, Sonoma	5/20/1994	9/20/1994	—	—	$30,300,000
Vision Fire (Marin)	Fire	95-05	1995	Marin	10/95	Not Declared	—	—	—
Humboldt County Flooding	Flood	96-02	1995	Humboldt	12/95	Not Declared	—	—	—
1995 Winter Storms (Southern CA)	Flood	DR-1044, 95-02	1995	Los Angeles, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Ventura	01/06/95 – 01/11/95	1/10/1995	—	—	—

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1995 Winter Storms (Northern CA)	Flood	DR-1044, 95-01	1995	Alameda, Amador, Butte, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kern, Kings, Lake, Lassen, Madera, Marin, Mendocino, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Mateo, Santa Clara, Santa Cruz, Shasta, Solano, Sonoma, Sutter, Tehama, Trinity, Yolo, Yuba	Varies from 01/09/95 – 02/17/95	1/10/1995	–	–	–

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1995 Severe Winter Storms	Flood	DR-1044, 95-01, 95-02, 95-03, 95-04	1995	Los Angeles, Orange, Humboldt, Lake, Sonoma, Butte, Colusa, Contra Costa, Del Norte, Glenn, Kern, Lassen, Mendocino, Modoc, Monterey, Napa, Placer, Plumas, San Luis Obispo, Santa Barbara, Santa Clara, Santa Cruz, Tehama, Ventura, Yolo, Yuba, Alpine, Amador, Nevada, Riverside, Sacramento, San Bernardino, San Mateo, Shasta, Sutter, Trinity, San Diego, Alameda, Marin, Fresno, Kings, El Dorado, Madera, Solano, Siskiyou	1/6/95 – 3/14/95	1/13/1995	11	—	$221,948,347
1995 Late Winter Storms (Southern CA)	Flood	DR-1046, 95-04	1995	Imperial, Inyo, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Ventura	03/12/95, 03/14/95	3/12/1995	—	—	—

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1995 Late Winter Storms (Northern CA)	Flood	DR-1046, 95-03	1995	Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Fresno, Glenn, Humboldt, Kern, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, Yuba	Varies from 03/12/95 – 03/24/95	3/12/1995	—	—	—
1995 Late Winter Storms	Flood	DR-1046, 95-03-N, 95-04-S	1995	All counties except Del Norte	Varies from 03/12/95 – 03/24/95	1/10/1995	17		$132,040,111
Lake County Fire	Fire	96-03	1996	Lake	8/1/1996	Not Declared	—	—	—
1996 Severe Fires	Fire	96-04	1996	Los Angeles, Orange, San Diego, City of San Buenaventura (Ventura)	10/22/1996	Not Declared	—	—	—

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1996 Southern California Firestorms	Fire	EM-3120	1996	Los Angeles, Orange, San Diego, Ventura	10/1/1996	Emergency Dec only	—	5	$12,589,808
Torrential Winds and Rain	Flood	96-01	1996	Humboldt, Mendocino, Plumas, Sacramento, San Francisco, San Mateo, Santa Cruz, Shasta	1/2/1996	Not Declared	—	—	—
Heavy rain & Flooding	Flood	96-02	1996	Humboldt	1/18/1996	Not Declared	—	—	—
Storms & Flooding	Flood	96-05	1996	Humboldt	12/9/1996	Not Declared	—	—	—
Flood, Storm & Rain	Flood	96-06	1996	Del Norte	12/10/1996	Not Declared	—	—	—
Flooding & Falling Trees	Flood	96-07	1996	Santa Cruz	12/10/1996	Not Declared	—	—	—
Fires (Yuba)	Fire	97-02	1997	Yuba	9/28/1997	Not Declared	—	—	—
Fires	Fire	97-03	1997	Orange	10/14/1997	Not Declared	—	—	—
Floods (Orange)	Flood	97-04	1997	Orange	12/6/1997	Not Declared	—	—	—
Winter Storms	Flood	97-01	1997	Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Mono, Monterey, Napa, Nevada, Placer,	Varies from 01/02/97 – 01/31/97	Not Declared	—	—	—

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
				Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, Yuba					
1997 January Floods	Flood	DR-1155, 97-01	1997	Alpine, Amador, Butte, Colusa, Del Norte, El Dorado, Glenn, Humboldt, Lake, Lassen, Modoc, Napa, Nevada, Plumas, Sacramento, San Joaquin, Sierra, Siskiyou, Solano, Sonoma, Sutter, Tehama, Trinity, Yuba, Calaveras, Madera, Mono, Monterey, Placer, San Benito, San Luis Obispo, San Mateo, Santa Cruz, Shasta, Stanislaus, Tuolumne, Yolo, Contra Costa, Fresno, Marin, Tulare, Mariposa, Merced, Santa Clara, Alameda, San Francisco, Kings, Mendocino	1/2/97 – 1/31/97	1/4/1997	8		$194,352,509

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1998 El Nino Floods	Flood	DR-1203, 98-01	1998	Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, Fresno, Glenn, Humboldt, Kern, Kings, Lake, Los Angeles, Marin, Mendocino, Merced, Monterey, Napa, Orange, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Ventura, Yolo, Yuba,					
Del Norte	Varies from 02/04/98 – 05/15/98	2/9/1998	1998		$385,141,192		—	—	—
1998 Freeze (Citrus Crop Damage)	Freeze	DR-1267, 98-02	1998	Fresno, Kern, Kings, Madera, Merced, Monterey, Riverside, Tulare, Ventura	12/29/1998	2/9/1999	—	—	$17,481,385
Avenal Water Pipeline Failure	Facility	99-01	1999	City of Avenal (Kings County)	2/1/1999	Not Declared	—	—	$256,609

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
1999 August Fires	Fire	EM-3140, 99-05	1999	Butte, Humboldt, Napa, Plumas, San Bernardino, Shasta, Tehama, Trinity, Tuolumne, Yuba	8/26/1999	9/1/1999	—	—	$1,154,573
Sonoma Road Failure	Flood	99-03	1999	Sonoma	3/29/1999	Not Declared	—	—	$396,521
Mudslides (San Bernardino)	Landslide	99-04	1999	San Bernardino	7/26/1999	Not Declared	—	—	$67,272,822
Beaumont Windstorms	Wind	99-02	1999	San Bernardino	2/1/1999	Not Declared	—	—	$4,019
Millbrae Landslide	Flood	2000-01	2000	San Mateo	2/1/2000	Not Declared	—	—	$8,206,349
Windstorms	Wind	2000-02	2000	Los Angeles	4/1/2000	Not Declared	—	—	$78,081
Napa Earthquake	Earthquake	DR-1342, 2000-03	2000	Napa	9/6/2000	9/14/2000	—	—	$17,700,867
2001 March Storms	Flood	2001-01	2001	Los Angeles, San Luis Obispo, Santa Barbara	3/1/2001	Not Declared	—	—	$9,353,703
Energy Emergency	Economic	—	2001	Statewide	1/1/2001	Not Declared	—	—	—
Rio Dell Water Shortage	Economic	2001-02	2001	City of Rio Dell (Humboldt)	Not Proclaimed	Not Declared	—	—	—
Modoc/Siskiyou Drought	Drought	2001-03	2001	Modoc, Siskiyou	5/4/2001	Not Declared	—	—	$14,858,480
Trinity Wildfire	Fire	2001-05	2001	Trinity	9/1/2001	Not Declared	—	—	$242,935
Calaveras Wildfire	Fire	2001-04	2001	Calaveras	9/10/2001	Not Declared	—	—	$6,693,498
Mexican Fruit Fly (San Diego)	Agricultural	—	2002	San Diego	12/1/2002	Not Declared	—	—	—
Williams Fire	Fire	2002-01	2002	Los Angeles	10/10/2002	Not Declared	—	—	—
Gavilan Fire	Fire	FM-2396	2002	San Diego	Not Proclaimed	2/11/2002	—	—	$3,035,562

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Antonio Fire	Fire	FM-2405	2002	Orange	Not Proclaimed	5/13/2002	—	—	$467,678
Copper Fire	Fire	FM-2417	2002	Los Angeles	Not Proclaimed	6/6/2002	—	—	$2,927,981
BlueCut Fire	Fire	FM-2425	2002	San Bernardino	Not Proclaimed	6/17/2002	—	—	$1,256,818
Louisiana	Fire	FM-2433	2002	San Bernardino	Not Proclaimed	6/27/2002	—	—	$1,445,999
Deer Fire	Fire	FM-2450	2002	Kern	Not Proclaimed	7/21/2002	—	—	$926,099
Pines Fire	Fire	FM-2456	2002	San Diego	Not Proclaimed	7/30/2002	—	—	$26,820,605
Squirrel Fire	Fire	FM-2461	2002	Shasta	Not Proclaimed	9/3/2002	—	—	$2,931,942
Leona Fire	Fire	FM-2462	2002	Los Angeles	Not Proclaimed	9/3/2002	—	—	$2,410,655
Sierra Fire	Fire	FM-2463	2002	Placer	Not Proclaimed	9/19/2002	—	—	$720,595
Williams Fire	Fire	FM-2464	2002	Los Angeles	Not Proclaimed	9/23/2002	—	—	$6,028,991
Croy Fire	Fire	FM-2465	2002	Santa Clara	Not Proclaimed	9/25/2002	—	—	$8,700,329
Storms & Flooding	Flood	2003-01	2003	Humboldt, Mendocino, Trinity	1/1/2003	Not Declared	—	—	$5,875,940
2003 August Storms	Flood	2003-02	2003	Imperial, Inyo, San Bernardino	8/8/2003	8/1/2003	—	—	$4,126,902
2003 Southern CA Fires	Fire	DR-1498, 2003-03	2003	Ventura, Los Angeles, San Bernardino, Riverside, San Diego	10/26/2003	10/27/2003	24	246	$177,515,291
Flash Flooding	Flood	2003-04	2003	Los Angeles	11/14/2003	Not Declared	—	—	$903,275
San Simeon Earthquake	Earthquake	DR-1505, 2003-05	2003	San Luis Obispo, Santa Barbara	12/23/2003	1/13/2004	—	—	$64,558,853
Exotic Newcastle Disease Epidemic	Agricultural	—	2003	Los Angeles, Orange, Riverside, San Bernardino, San Diego, Ventura	1/3/2007	Not Declared	—	—	—
Bark Beetle Infestation	Economic	—	2003	San Bernardino, San Diego, Riverside	3/7/2003	Not Declared	—	—	—
Pass Fire	Fire	FM-2500	2003	Riverside	Not Proclaimed	10/21/2003	—	—	—
Grand Prix Fire	Fire	FM-2501	2003	San Bernardino	Not Proclaimed	10/23/2003	—	—	—
Verdale Fire	Fire	FM-2502	2003	Los Angeles, Ventura	Not Proclaimed	10/25/2003	—	—	—

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Old Fire	Fire	FM-2503	2003	San Bernardino	Not Proclaimed	10/25/2003	—	—	—
Simi Fire	Fire	FM-2504	2003	Ventura	Not Proclaimed	10/26/2003	—	—	—
Cedar Fire	Fire	FM-2505	2003	San Diego	Not Proclaimed	10/26/2003	—	—	—
Paradise Fire	Fire	FM-2506	2003	San Diego	Not Proclaimed	10/26/2003	—	—	—
Mountain Fire	Fire	FM-2507	2003	Riverside	Not Proclaimed	10/26/2003	—	—	—
State Road Damage	Flood	—	2003	Alameda, Colusa, Contra Costa, Del Norte, Humboldt, Lake, Marin, Mendocino, Napa, San Mateo, Santa Clara, Santa Cruz, Solano, Sonoma, Trinity	1/1/2003	Not Declared	—	—	—
Pacific Fire	Fire	FM-2466	2003	Los Angeles	Not Proclaimed	1/7/2003	—	—	$2,017,043
Sawmill Fire	Fire	FM-2473	2003	Kern	Not Proclaimed	6/27/2003	—	—	$946,806
Tejon Fire	Fire	FM-2474	2003	Kern	Not Proclaimed	6/29/2003	—	—	$1,323,296
Railroad Fire	Fire	FM-2475	2003	Riverside	Not Proclaimed	7/3/2003	—	—	$276,200
Canyon Fire	Fire	FM-2487	2003	Riverside	Not Proclaimed	7/25/2003	—	—	$3,681,947
Locust Fire	Fire	FM-2491	2003	Riverside	Not Proclaimed	8/19/2003	—	—	$1,319,887
Bridge Fire	Fire	FM-2497	2003	San Bernardino	Not Proclaimed	9/5/2003	—	—	$784,529
Whitmore Fire	Fire	FM-2508	2003	Shasta	Not Proclaimed	10/28/2003	—	—	$1,999,031
Snowstorm (Trinity)	Snow	2004-01	2004	Trinity	1/1/2004	Not Declared	—	—	$1,122,549
Daly City Flooding	Flood	2004-02	2004	City of Daly City (San Mateo)	2/1/2004	Not Declared	—	—	$337,614
Upper Jones Levee Break	Flood	DR-1529, 2004-04	2004	San Joaquin	6/4/2004	6/30/2004	—	—	$27,214,428
Death Valley Flood	Flood	2004-08	2004	Inyo	11/1/2004	Not Declared	—	—	$186,052

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Wildfires (Eagle & Cerritos Fires)	Fire	2004-03	2004	Riverside	5/4/2004	Not Declared	—	—	—
Deep Fire	Fire	2004-06	2004	Tulare	8/1/2004	Not Declared	—	—	—
Pattison Fire	Fire	2004-07	2004	Calaveras	9/5/2004	Not Declared	—	—	—
Pleasure Fire	Fire	FM-2515	2004	Riverside	Not Proclaimed	4/26/2004	—	—	—
Shasta County Wildfires (French, Bear & Lake Fires)	Fire	FM-2548, FM-2547, FM-2544, 2004-05	2004	Shasta	8/17/2004	8/11/04, 8/14/04	—	—	—
Eagle Fire	Fire	FM-2516	2004	Riverside	Not Proclaimed	5/4/2004	—	8	$6,257,005
Cerritos Fire	Fire	FM-2517	2004	Riverside	Not Proclaimed	5/4/2004	—	10	$5,816,297
Gaviota Fire	Fire	FM-2519	2004	Santa Barbara	Not Proclaimed	6/5/2004	—	44	$6,143,627
Pine Fire	Fire	FM-2528	2004	Los Angeles	Not Proclaimed	7/14/2004	—	—	$9,028,675
Mataguay Fire	Fire	FM-2529	2004	San Diego	Not Proclaimed	7/14/2004	—	7	$2,084,052
Lakeview Fire	Fire	FM-2530	2004	Riverside	Not Proclaimed	7/14/2004	—	—	$74,349
Hollow Fire	Fire	FM-2532	2004	El Dorado	Not Proclaimed	7/14/2004	—	—	$179,440
Melton Fire	Fire	FM-2533	2004	Riverside	Not Proclaimed	7/17/2004	—	—	$2,715,200
Foothill Fire	Fire	FM-2534	2004	Los Angeles	Not Proclaimed	7/18/2004	—	—	$4,319,501
Crown Fire	Fire	FM-2535	2004	Los Angeles	Not Proclaimed	7/21/2004	—	—	$2,604,924
Calaveras Complex	Fire	FM-2540	2004	Calaveras	Not Proclaimed	8/8/2004	—	14	$4,656,887
Stevens Fire	Fire	FM-2541	2004	Placer	Not Proclaimed	8/8/2004	—	9	$3,469,004
Oregon Fire	Fire	FM-2545	2004	Butte	Not Proclaimed	8/11/2004	—	3	$822,904
Bear Fire (Mariposa)	Fire	FM-2552	2004	Mariposa	Not Proclaimed	9/3/2004	—	—	$1,118,783
Pattison Fire	Fire	FM-2553	2004	Calaveras	Not Proclaimed	9/4/2004	—	2	$3,625,196
Geysers Fire	Fire	FM-2554	2004	Sonoma	Not Proclaimed	9/4/2004	—	19	$2,434,325
Old Hwy Fire	Fire	FM-2555	2004	Mariposa	Not Proclaimed	9/13/2004	—	3	$2,691,934

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
2005 January Winter Storms	Flood	DR-1577, 2005-01	2005	Los Angeles, Orange, Riverside, San Bernardino, San Diego, Santa Barbara, Ventura, Kern (HM only)	1/12/2005	2/4/2005	—	—	$281,765,975
2005 Floods Excluded from DR-1585	Flood	DR-1585, 2005-02	2005	Kern, Los Angeles, Orange, Riverside, San Bernardino, San Diego, Ventura	2/1/2005	4/14/2005	—	—	$8,055,058
2005 March Flooding (Mariposa)	Flood	2005-03	2005	Mariposa	3/1/2005	Not Declared	—	—	$2,758,943
March Storms and Landslide (San Mateo)	Flood	2005-05	2005	San Mateo	3/1/2005	Not Declared	—	—	$337,252
Rain and Flooding (Modoc)	Flood	2005-04	2005	Modoc	5/1/2005	Not Declared	—	—	$295,809
Severe Thunderstorms and Flash Flooding	Flood	2005-06	2005	California City (Kern), City of Needles & Town of Yucca Valley (San Bernardino)	9/26/2005	Not Declared	—	—	$615,945
Extreme Rainfall	Flood	2005-07	2005	Sierra County	11/7/2005	Not Declared	—	—	$504,323
Hurricane Katrina Evacuations	Economic	EM-3248	2005	Statewide	Not Proclaimed	9/13/2005	—	—	$763,576
Quartz Fire	Fire	FM-2571	2005	Madera	Not Proclaimed	7/25/2005	—	—	$1,428,429
Manton Fire	Fire	FM-2580	2005	Tehama, Shasta	Not Proclaimed	8/26/2005	—	—	$4,048,525
Sundevil Fire	Fire	FM-2582	2005	San Diego	Not Proclaimed	9/5/2005	—	31	$233,530
Topanga Fire	Fire	FM-2583	2005	Los Angeles, Ventura	Not Proclaimed	9/28/2005	—	—	$19,787,415

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Woodhouse Fire	Fire	FM-2584	2005	Riverside County	Not Proclaimed	10/5/2005	—	3	$1,040,087
Border #50 Fire	Fire	FM-2585	2005	San Diego County	Not Proclaimed	10/6/2005	—	—	$3,406,702
School Fire	Fire	FM-2586	2005	Ventura County	Not Proclaimed	11/18/2005	—	—	$4,468,439
2005/06 Winter Storms	Flood	DR-1628, 2006-01	2006	Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Del Norte, El Dorado, Humboldt, Lake, Lassen, Marin, Mendocino, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, San Luis Obispo, San Mateo, Santa Cruz, Sierra, Siskiyou, Solano, Sonoma, Sutter, Trinity, Yolo, Yuba counties + statewide HM	1/12/2006	2/3/2006	—	—	$203,050,747
Levee Erosion	Flood	2006-02	2006	City of East Palo Alto (San Mateo)	3/28/2006	Not Declared	—	—	$551,736
Spring Storms 2006	Flood	DR-1646, 2006-03	2006	Alameda, Amador, Calaveras, El Dorado, Fresno, Kings, Lake, Madera, Marin, Mariposa, Merced, Napa, Nevada, Placer, San Joaquin, San Mateo, Santa Cruz, Sonoma, Stanislaus, Tulare, Tuolumne	4/10/2006	6/5/2006	—	—	$45,219,721

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Well Failure	Other	2006-04	2006	City of Corcoran (Kings)	6/23/2006	Not Declared	—	—	$362,988
Sawtooth Complex (Fire)	Fire	FM-2653, 2006-05	2006	San Bernardino	7/13/2006		1	17	$12,346,391
Orchard Fire	Fire	FM-2676	2006	Riverside	9/19/2006	9/16/2006	—	—	$315,525
Major Levee Erosion	Flood	2006-06	2006	Trinity	9/19/2006	Not Declared	—	—	$43,913
Day Fire	Fire	FM-2677, 2006-08	2006	Ventura	9/24/2006	—	—	—	$2,050,612
Esperanza Fire	Fire	FM-2678, 2006-09	2006	Riverside	10/26/2006	—	5	17	$11,083,665
Shekell Complex (Fire)	Fire	FM-2681, 2006-13	2006	Ventura	12/4/2006	—	—	—	$105,849
Pigeon Fire	Fire	2006-10	2006	Trinity	9/7/2006	Not Declared	—	—	—
Junction Fire	Fire	FM-2662, 2006-07	2006	Trinity	8/7/2006	7/29/2006	—	—	—
Microburst	Flood	2006-11	2006	City of San Bernardino (San Bernardino)	10/19/2006	Not Declared	—	—	—
Lake Tahoe Sewage Spill	HazMat	SBA-10224	2006	El Dorado	Not Proclaimed	Not Declared	—	—	—
Ferguson Rockslide	Landslide	SBA-10535	2006	Mariposa (Merced River)	Not Proclaimed	Not Declared	—	—	—
Storm Surge (Tsunami)	Tsunami	2006-12	2006	Del Norte	11/21/2006	Not Declared	—	—	—
Sierra Fire	Fire	FM-2630	2006	Orange, Riverside	Not Proclaimed	2/6/2006	—	8	$161,790
Horse Fire	Fire	FM-2656	2006	San Diego	Not Proclaimed	7/24/2006	—	23	$2,121,800
Needles Rainstorms	Flood	2007-08	2007	City of Needles (San Bernardino)	7/25/2007	Not Declared	—	—	$345,508
Zaca Fire	Fire	2007-09	2007	Santa Barbara, Ventura	8/18/2007	Not Declared	—	43	$4,265,384

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Imperial Microburst	Flood	2007-11	2007	Imperial	9/16/2007	Not Declared	—	—	$1,232,315
Mount Soledad Landslide	Landslide	2007-12	2007	City of San Diego (San Diego)	10/3/2007	Not Declared	—	—	$7,509,266
I-5 Major Collision Fire	Fire	2007-13	2007	Los Angeles	10/14/2007	Not Declared	—	—	$66,465
2007 Southern CA Fires	Fire	DR-1731, 2007-14	2007	Los Angeles, Orange, Riverside, San Bernardino, San Diego, Santa Barbara, Ventura counties		10/21/2007	10	139	$198,562,023
Martins Ferry Bridge	Other	2007-16	2007	Humboldt	12/21/2007	Not Declared			$8,871,077
2007 Drought	Drought	2007-05	2007	Kings, Riverside	6/19/2007	Not Declared			$0
Freeway Collapse Fire	Fire	2007-03	2007	Alameda, Contra Costa, San Francisco	4/29/2007	Not Declared			
Wildfires	Fire	EM-3279	2007	Los Angeles, Orange, Riverside, San Bernardino, San Diego, Santa Barbara, and Ventura	Not Proclaimed	10/23/2007			
Griffith Park Fire	Fire	FM-2691, 2007-04	2007	City of Los Angeles (Los Angeles)	5/17/2007	5/9/2007			
2007 Severe Freeze	Freeze	DR-1689, 2007-02	2007	Statewide	01/12/07, 01/16/07, 01/19/07, 01/20/07, 01/26/07	3/13/2007			$2,700,400
Island Fire (Catalina)	Fire	FM-2694	2007	Los Angeles	Not Proclaimed	5/10/2007			
Angora Fire	Fire	FM-2700, 2007-06	2007	El Dorado	6/24/2007	6/24/2007			

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Inyo Complex (Fire)	Fire	FM-2706, 2007-07	2007	Inyo	7/6/2007	7/7/2007			
Butler 2 Fire	Fire	FM-2728, 2007-10	2007	San Bernardino	9/15/2007	9/15/2007			
Severe Winter Storms	Flood	2007-01	2007	Siskiyou	12/29/2006	Not Declared			
Bay Area Oil Spill	HazMat	2007-15	2007	Alameda, Contra Costa, Marin, San Francisco, San Mateo, Solano, Sonoma	11/9/2007	Not Declared			$0
241 Fire	Fire	FM-2683	2007	Orange	Not Proclaimed	3/11/2007			$1,622,014
Griffith Park Brush Fire	Fire	FM-2691	2007	Los Angeles	Not Proclaimed	5/8/2007			$2,508,441
Creek Fire	Fire	FM-2702	2007	Shasta County	Not Proclaimed	6/29/2007		3	$178,678
Canyon Fire	Fire	FM-2708	2007	Los Angeles County	Not Proclaimed	7/8/2007			$517,152
Angel Fire	Fire	FM-2729	2007	San Diego County	Not Proclaimed	9/15/2007			$4,444,159
2008 January Storms	Flood	2008-01	2008	Alameda, Butte, Colusa, Del Norte, El Dorado, Glenn, Kings, Mendocino, Nevada, Placer, Sacramento, San Francisco, Sierra, Sutter, Yolo, Yuba	1/5/2008	Not Declared			$2,570,876
Modoc Storms	Flood	2008-04	2008	Modoc County	2/8/2008	Not Declared			$909,499
2008 Mid-Year Fires	Fire	FM-2766, FM-2770, FM-2771, FM-2772, 2008-02	2008	Humboldt County	6/28/2008			1	$4,394,159
Inyo Severe Thunderstorms	Flood	2008-05	2008	Inyo County	7/15/2008	Not Declared			$352,789

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Twentynine Palms Thunderstorms	Flood	2008-08	2008	San Bernardino County	8/5/2008	Not Declared			$4,629
Wildfires	Fire	FM-2788, FM-2789, 2008-10	2008	San Bernardino County	10/13/2008				$82,985,527
November 2008 California Wildfires	Fire	DR-1810, FM-2792, 2008-11	2008	Los Angeles, Orange, Riverside, and Santa Barbara counties	11/18/2008	11/18/2008	0	28	$221,219
Central Valley Drought	Drought	2008-03	2008	Calaveras, Kern, Madera, Merced, Sacramento, San Joaquin, Stanislaus, Tulare	6/12/2008	Not Declared			$0
2008 Mid-Year Fires	Fire	—	2008		Not Proclaimed	Not Declared	15	*	
2008 Mid-Year Fires	Fire	EM-3287	2008	Butte, Kern, Mariposa, Mendocino, Monterey, Plumas, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Trinity	Not Proclaimed	6/28/2008	—	—	—
Santa Anita Fire	Fire	FM-2763, 2008-09	2008	Los Angeles County	4/27/2008	4/27/2008	—	—	—
Freeway Complex	Fire	FM-2792	2008	San Bernardino County	Not Proclaimed	11/15/2008	—	0	—
Cathedral City Flooding	Flood	2008-06	2008	Riverside County	7/20/2008	Not Declared	—	—	$0
Ridgecrest Thunderstorms	Flood	2008-07	2008	Kern County	7/29/2008	Not Declared	—	—	$0
Summit Fire	Fire	FM-2766	2008	Santa Clara, Santa Cruz counties	Not Proclaimed	5/22/2008	—	1	$44,903
Ophir Fire	Fire	FM-2770	2008	Butte County	Not Proclaimed	6/10/2008	15	*	$18,134,595

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Humboldt Fire	Fire	FM-2771	2008	Butte County	Not Proclaimed	6/11/2008	—	16	$3,714,441
Martin Fire	Fire	FM-2772	2008	Santa Cruz County	Not Proclaimed	6/11/2008	—	1	$1,275,377
Wildfire	Fire	FM-2776	2008	Napa County	Not Proclaimed	6/22/2008	—	10	$330,856,351
Gladding Fire	Fire	FM-2786	2008	Placer County	Not Proclaimed	9/1/2008	—	—	$3,227,824
Marek Fire	Fire	FM-2788	2008	Los Angeles County	Not Proclaimed	10/12/2008	—	—	$6,060,351
Sesnon Fire	Fire	FM-2789	2008	Los Angeles County, Ventura County	Not Proclaimed	10/13/2008	—	—	$2,634,935
2009 Los Angeles County Wildfires	Fire	2009-05	2009	Los Angeles	8/28/2009	Not Declared	0	6	$9,286,724
Monterey County Wildfires	Fire	2009-06	2009	Monterey	8/28/2009	Not Declared	—	—	$37,991
Big Meadow Fire	Fire	2009-07	2009	Mariposa	8/29/2009	Not Declared	—	—	$21,299
San Bernardino County Wildfires	Fire	2009-09	2009	San Bernardino	9/1/2009	Not Declared	—	—	$95,020
Imperial County Storms	Flood	2009-10	2009	Imperial	9/18/2009	Not Declared	—	—	$458,749
Santa Cruz County Storms	Flood	2009-13	2009	Santa Cruz	11/20/2009	Not Declared	—	—	$4,483,715
Fresno Drought	Drought	2009-02	2009	Fresno	7/21/2009, 03/25/2010	Not Declared	—	—	$0
Jesusita Fire	Fire	2009-01	2009	Santa Barbara	5/6/2009	Not Declared	—	—	—
Lockheed Fire	Fire	2009-03	2009	Santa Cruz	8/14/2009	Not Declared	—	—	—
Yuba Fire	Fire	2009-04	2009	Yuba	8/20/2009	Not Declared	—	—	—
49er Fire	Fire	2009-08	2009	Placer	8/30/2009	Not Declared	—	—	—
Guiberson Fire	Fire	2009-11	2009	Ventura	9/22/2009	Not Declared	—	—	—

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Sheep Fire	Fire	2009-12	2009	San Bernardino	10/4/2009	Not Declared	—	—	—
Jesusita Fire	Fire	FM-2817	2009	Santa Barbara County	Not Proclaimed	5/6/2009	—	0	$32,588,540
Lockheed Fire	Fire	FM-2824	2009	Santa Cruz County	Not Proclaimed	8/13/2009	—	10	$23,977,717
Yuba Fire	Fire	FM-2825	2009	Nevada County, Yuba County	Not Proclaimed	8/15/2009	—	41	$10,013,956
PV Fire	Fire	FM-2828	2009	Los Angeles County	Not Proclaimed	8/28/2009	0	0	$317,175
Station Fire	Fire	FM-2830	2009	Los Angeles County	Not Proclaimed	8/28/2009	2	23	$19,053,328
49er Fire	Fire	FM-2832	2009	Orange County	Not Proclaimed	8/31/2009	—	—	$1,196,092
Oak Glen Fire	Fire	FM-2833	2009	San Bernardino County	Not Proclaimed	8/31/2009	—	4	$5,247,456
Pendleton Fire	Fire	FM-2836	2009	San Bernardino County	Not Proclaimed	9/1/2009	—	1	$4,383,907
Guiberson Fire	Fire	FM-2839	2009	Ventura County	Not Proclaimed	9/22/2009	—	10	$10,869,516
Sheep Fire	Fire	FM-2841	2009	San Bernardino County	Not Proclaimed	10/4/2009	—	—	$1,500,883
Humboldt Earthquake	Earthquake	2010-01	2010	Humboldt	1/12/2010	Not Declared	—	—	$11,966,685
Baja Earthquake	Earthquake	DR-1911, 2010-03	2010	Imperial	4/5/2010	5/7/2010	—	—	$39,384,403
Pacifica Storm Drain Outfall	Severe Storms	2010-04	2010	City of Pacifica (San Mateo)	4/7/2010	Not Declared	—	—	$896,520
Richmond Sinkhole	Sinkhole	2010-15	2010	Contra Costa	4/27/2010	Not Declared	—	—	$10,586,339
Bull Fire	Fire	FM-2849, 2010-05	2010	Kern	7/27/2010	7/26/2010	—	—	$631,156
West Fire	Fire	FM-2850, 2010-05	2010	Kern	7/27/2010	7/27/2010	—	—	$5,833,041
Post Fire	Fire	FM-2852, 2010-07	2010	Kern	8/25/2010	8/24/2010	—	—	$1,664,357
Yuba County Wildfires	Fire	2010-08	2010	Yuba	8/28/2010	Not Declared	—	—	$34,829
Canyon Fire	Fire	FM-2858, 2010-10	2010	Kern	9/15/2010	9/15/2010	—	7	$883,828

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Galleria Incident	Fire	2010-12	2010	Placer	10/22/2010	Not Declared	—	—	$478,119
Via Scott Incident	Other	2010-16	2010	San Diego	12/1/2010	Not Declared	—	—	$73,981
2010 Severe Winter Storms	Flood	DR-1884, 2010-02	2010	Calaveras, Imperial, Los Angeles, Riverside, San Bernardino, Siskiyou	1/21/2010, 1/22/2010, 1/27/2010	3/8/2010	2	*	$37,056,584
November Storms	Severe Storms	2010-14	2010	Calaveras, Tuolumne	11/30/10, 12/09/10	Not Declared			$160,280
December 2010 Statewide Storms	Severe Storms	DR-1952, 2010-17	2010	Inyo, Kern, Kings, Madera, Mariposa, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Tulare	12/21/2010, 12/23/2010, 12/24/2010, 12/30/2010	1/26/2010	—	—	$66,318,201
Glenview Fire (San Bruno Explosion)	Fire (Explosion)	FM-2856, 2010-09	2010	San Mateo	9/9/2010	9/9/2010	—	—	—
Imperial County Storm	Flood	2010-11	2010	Imperial	10/12/2010	Not Declared	—	—	—
Contaminated Drinking Water Supply	HazMat	2010-13	2010	San Bernardino	11/20/2010	Not Declared	—	—	$0
2010 Los Angeles County Wildfires	Severe Storms	2010-06	2010	Los Angeles	8/7/2010	Not Declared	—	—	—
Crown Fire	Fire	FM-2851	2010	Los Angeles	Not Proclaimed	7/29/2010	—	—	$6,565,808
Tuolumne Feb 2011 Storms	Severe Storms	2011-03	2011	Tuolumne	2/25/2011	Not Declared	—	—	$509,329

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Modoc Jan 2011 Storms	Severe Storms	2011-01	2011	Modoc	3/3/2011	Not Declared	—	—	$385,788
March 2011 California Tsunami	Tsunami	DR-1968, 2011-02	2011	Del Norte, Humboldt, Mendocino, San Luis Obispo, San Mateo, Santa Cruz	3/11/2011	4/18/2011	1	1	$39,617,379
Hill Fire	Fire	FM-2955	2011	San Bernardino	Not Proclaimed	9/2/2011	—	—	$1,280,591
Canyon Fire	Fire	FM-2961	2011	Kern	Not Proclaimed	9/5/2011	—	—	$8,787,604
Keene Complex	Fire	FM-2970	2011	Kern	Not Proclaimed	9/11/2011	—	—	$3,996,343
Comanche Complex	Fire	FM-2971	2011	Kern	Not Proclaimed	9/11/2011	—	6	$6,472,957
Wye Incident	Fire	FM-5004	2012	Lake	Not Proclaimed	8/13/2012	—	3	$84,613
Ponderosa Fire	Fire	FM-5007	2012	Shasta, Tehama	Not Proclaimed	8/19/2012	—	7	$477,537
Shockey Fire	Fire	FM-5021	2012	San Diego	Not Proclaimed	9/24/2012	1	3	$108,959
Inyo July 2013 Storms	Severe Storms	2013-01	2013	Inyo	9/30/2013	Not Declared	—	—	$3,837,141
Rim Fire	Fire	DR-4158, FM-5049, 2013-02	2013	Mariposa, Tuolumne	10/23/2013	12/13/2013	—	—	(DR-4158) 24,465,538, (GP 2013-02) 174,688
Wildfire	Fire	DR-4142	2013	Karuk Reservation	Not Proclaimed	8/29/2013	—	—	—
Summit Fire	Fire	FM-5023	2013	Riverside	Not Proclaimed	5/2/2013	—	—	$2,221,604
Springs Fire	Fire	FM-5024	2013	Ventura	Not Proclaimed	5/2/2013	—	—	$8,332,445
Powerhouse Fire	Fire	FM-5025	2013	Los Angeles	Not Proclaimed	6/2/2013	—	—	$2,023,801
Falls Fire	Fire	FM-5040	2013	Riverside	Not Proclaimed	8/6/2013	—	—	$1,715,016
Silver Fire	Fire	FM-5041	2013	Riverside	Not Proclaimed	8/12/2013	—	—	$5,721,361
Clover Fire	Fire	FM-5050	2013	Shasta	Not Proclaimed	9/10/2013	1	—	$4,558,433
Poinsettia Fire	Fire	FM-5054, 2014-01	2014	San Diego	5/14/2014	5/14/2014	—	—	$1,459,862

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Cocos Fire	Fire	FM-5055, 2014-01	2014	San Diego	5/14/2014	5/14/2014	—	—	(FM-5055) 10,313,305, (GP 2014-01) 2,131,397
South Napa Earthquake	Earthquake	DR-4193, 2014-02	2014	Napa, Solano, Sonoma	8/24/2014	9/11/2014	1	285	(DR-4193) 33,897,764 (GP 2014-02) 233,042
Boles Fire	Fire	FM-5079, 2014-04	2014	Siskiyou	10/6/2014	9/15/2014	—	—	$5,327,462
Drinking Water Shortage	Drought	2014-03	2014	Statewide	9/18/2014	Not Declared	—	—	—
Sand Fire Incident	Fire	2014-06	2014	City of Plymouth (Amador)	8/12/2014	Not Declared	—	—	—
Colby Fire	Fire	FM-5051	2014	Los Angeles	Not Proclaimed	1/16/2014	—	—	—
Oregon Gulch Fire	Fire	FM-5068	2014	Siskiyou	Not Proclaimed	8/2/2014	—	—	—
San Bernardino County Storms	Severe Storms	2014-05	2014	San Bernardino	8/4/2014	Not Declared	—	—	—
December 2014 Storms	Severe Storms	2014-07	2014	Lake, Tehama	3/2/2015	Not Declared	—	—	—
Butts Fire	Fire	FM-5057	2014	Napa	Not Proclaimed	7/2/2014	—	—	$5,180,771
Eiler Fire	Fire	FM-5067	2014	Shasta	Not Proclaimed	8/2/2014	—	—	$8,062,197
Bald Fire	Fire	FM-5069	2014	Lassen, Shasta	Not Proclaimed	8/3/2014	—	—	$2,060,557
Day Fire	Fire	FM-5070	2014	Modoc	Not Proclaimed	8/3/2014	—	—	$9,800,752
Junction Fire	Fire	FM-5074	2014	Madera	Not Proclaimed	8/19/2014	—	—	$3,469,116
Way Fire	Fire	FM-5075	2014	Kern	Not Proclaimed	8/19/2014	—	—	$2,566,094
Oregon Fire	Fire	FM-5076	2014	Trinity	Not Proclaimed	8/25/2014	—	—	$1,960,046
Bridge Fire	Fire	FM-5077	2014	Mariposa	Not Proclaimed	9/5/2014	—	—	$3,340,241
Courtney Fire	Fire	FM-5078	2014	Madera	Not Proclaimed	9/14/2014	—	—	$3,440,104
King Fire	Fire	FM-5081	2014	El Dorado, Placer	Not Proclaimed	9/17/2014	—	—	$17,367,831

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Applegate Fire	Fire	FM-5082	2014	Placer	Not Proclaimed	10/8/2014	—	—	$4,199,623
Round Fire	Fire	2015-01	2015	Mono	2/26/2015	Not Declared	—	—	$5,607,764
Summer 2015 Wildfires	Fire	DR-4240, 2015-03	2015	Amador, Calaveras, Lake, Napa, Trinity	8/27/2015	9/22/2015	Reported under individual fires below	—	(DR-4240) 242,803,440, (GP 2015-03) 2,401,287
Tree Mortality	Drought	2015-05	2015	Statewide	10/30/2015	Not Declared	—	—	—
Hurricane Marie	Fire	2015-02	2015	City of Avalon (Los Angeles)	Not Proclaimed	Not Declared	—	—	—
Rocky Fire	Fire	FM-5093	2015	Madera	Not Proclaimed	8/2/2015	—	—	$30,857,410
Severe Storms, Flooding, and Mudslides	Flood	DR-4206	2015	Soboba Indian Reservation	Not Proclaimed	1/27/2015	—	—	—
Tropical Storm Dolores	Severe Storms	2015-04	2015	Kern	7/19/2015	Not Declared	—	—	—
Waterman Terrorist Incident	Terrorism	2015-06	2015	San Bernardino	12/10/2015	Not Declared	—	—	—
North Fire	Fire	FM-5089	2015	San Bernardino	Not Proclaimed	7/17/2015	—	—	$851,448
Wragg Fire	Fire	FM-5091	2015	Napa, Solano, Yolo	Not Proclaimed	7/23/2015	—	—	$13,934,643
Butte Fire	Fire	FM-5111	2015	Amador	Not Proclaimed	9/10/2015	2	—	$3,191,496
Valley Fire	Fire	FM-5112	2015	Napa, Sonoma	Not Proclaimed	9/12/2015	4	—	$3,029,711
Erskine Fire	Fire	FM-5131, 2016-03	2016	Kern	6/24/2016	6/23/2016	2	—	(FM-5131) 4,433,146, (GP 2016-03) 26,610,979
Clayton Fire	Fire	FM-5145, 2016-04	2016	Madera	9/15/2016	8/14/2016	—	—	(FM-5145) $13,579,947, (GP 2016-04) $14,826,022

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
December 2016 Storms	Severe Storms	2016-05	2016	Del Norte, City of Fort Bragg (Mendocino)	12/21/2016	Not Declared	—	—	$274,823
Old Fire	Fire	FM-5124	2016	Los Angeles	Not Proclaimed	6/5/2016	—	—	$1,923,392
Border 3 Fire	Fire	FM-5128	2016	San Diego	Not Proclaimed	6/19/2016	2	—	$12,759,142
Fish Fire	Fire	FM-5129	2016	Los Angeles	Not Proclaimed	6/21/2016	—	—	$1,394,208
Sage Fire	Fire	FM-5132	2016	Los Angeles	Not Proclaimed	7/9/2016	—	—	$1,993,954
Pacifica Storms	Severe Storms	2016-01	2016	City of Pacifica (San Mateo)	1/22/2016	Not Declared	—	—	—
March 2016 Storms	Severe Storms	2016-02	2016	Santa Cruz, Trinity	3/15/2016	Not Declared	—	—	—
Sand Fire	Fire	FM-5135	2016	Los Angeles	Not Proclaimed	7/23/2016	1	—	$5,128,119
Soberanes Fire	Fire	FM-5137	2016	Monterey	Not Proclaimed	7/28/2016	1	—	$2,267,213
Goose Fire	Fire	FM-5140	2016	Fresno	Not Proclaimed	7/31/2016	—	—	$6,538,221
Pilot Fire	Fire	FM-5144	2016	San Bernardino	Not Proclaimed	8/8/2016	—	—	$3,187,835
Chimney Fire	Fire	FM-5146	2016	Lake	Not Proclaimed	8/14/2016	—	—	$52,798,980
Blue Cut Fire	Fire	FM-5147	2016	San Bernardino	Not Proclaimed	8/16/2016	—	—	$2,266,434
Cedar Fire	Fire	FM-5150	2016	Kern, Tulare	Not Proclaimed	8/22/2016	—	—	$1,441,015
January 2017 Storms	Storm	2017-01 DR-4301	2017	Alameda, Amador, Butte, Calaveras, Contra Costa, El Dorado, Humboldt, Inyo, Lake, Lassen, Marin, Mendocino, Merced, Mono, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Luis Obispo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano,	1/23/2017	2/14/2017	—	—	$186,874,243

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
				Sonoma, Sutter, Trinity, Tuolumne, Yolo, Yuba					
Late January 2017 Storms	Storm	2017-02 DR-4305	2017	Alameda, Calaveras, Contra Costa, El Dorado, Inyo, Kern, Los Angeles, Mendocino, Modoc, Mono, Napa, Orange, Riverside, Sacramento, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, Trinity, Tuolumne, Yolo	2/10/2017	3/16/2017	—	—	$80,972,695
Potential Failure of Oroville Dam Emergency Spillway	Other	EM-3381** (consolidated into DR-4308)	2017	Butte, Sutter, Yuba	Not Proclaimed	2/14/2017	—	—	—
February 2017 Storms	Severe Storms	2017-03 DR-4308	2017	Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Glenn, Humboldt, Kings, Lake, Lassen, Marin, Mariposa, Merced, Modoc, Mono, Monterey, Napa, Nevada, Plumas, Sacramento, San Benito, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa	3/7/2017	4/1/2017	—	—	$1,038,319,506

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
				Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama Trinity, Tuolumne, Yolo, Yuba, Tule River Tribe in Tulare					
Detwiler Fire	Fire	2017-04 FM-5192	2017	Mariposa	7/18/2017	7/17/2017	—	—	$99,742,039
Wall Fire	Fire	2017-05 FM-5189	2017	Butte	7/9/2017	7/9/2017	—	—	$13,998,093
Modoc County Wildfires	Fire	2017-06	2017	Modoc	8/2/2017	Not Declared	—	—	$60,645
Helena Fire	Fire	2017-07 FM-5199	2017	Trinity	8/31/2017	9/1/2017	—	—	$15,961,739
Alamo and Whittier Fires	Fire	2017-08	2017	Santa Barbara	7/16/2017	Not Declared	—	—	$1,005,571
La Tuna Fire	Fire	FM-5201	2017	Los Angeles	9/3/2017	9/2/2017	—	—	$10,232,240.78
Railroad Fire	Fire	FM-5202	2017	Madera, Mariposa	9/7/2017	9/2/2017	—	—	$491,091.42
Mission Fire	Fire	FM-5204	2017	Madera	9/7/2017	9/4/2017	—	—	$12,292,511.14
Pier Fire	Fire	FM-5205	2017	Tulare	9/7/2017	9/5/2017	—	—	$8,814,249.16
Canyon Fire	Fire	FM-5213	2017	Orange, Riverside	10/9/2017	9/25/2017	—	—	$10,837,991.93
Canyon 2 Fire	Fire	FM-5223	2017	Riverside	Not Declared	10/9/2017	—	—	$41,917.19
October 2017 Wildfires	Fire	2017-09 DR-4344 FM-5222 FM-5221 FM-5220 FM-5219 FM-5218 FM-5217	2017	Butte, Lake, Mendocino, Napa, Nevada, Orange, Solano, Sonoma, Yuba	10/9/2017 10/10/2017	10/9/2017 (DR-4344) 10/9/2017 (FM-5222, Patrick Fire) 10/9/2017 (FM-5221, Sulphur Fire)	45	1	$538,278,745

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
		FM-5216 FM-5215 FM-5214				10/9/2017 (FM-5220, Nuns Fire) 10/9/2017 (FM-5219, Redwood/Potter Fires) 10/9/2017 (FM-5218, La Porte Fire) 10/9/2017 (FM-5217, Lobo Fire) 10/9/2017 (FM-5216, Cascade Fire) 10/9/2017 (FM-5215, Tubbs Fire) 10/9/2017 (FM-5214, Atlas Fire)			
Ponderosa Fire	Fire	2017-10	2017	Butte	9/1/2017	Not Declared	—	—	$168,561
Inyo/Mono Snowmelt	Snowmelt	2017-11	2017	Inyo, Mono	Not Proclaimed	Not Declared	—	—	$7,128,669
Creek Fire	Fire	2017-12 FM-5225	2017	Los Angeles	12/5/2017	12/5/2017	—	—	$18,522,443
Rye Fire	Fire	2017-12 FM-5226	2017	Los Angeles	12/5/2017	12/5/2017	—	—	$10,037,011
Skirball Fire	Fire	2017-12 FM-5227	2017	Los Angeles	12/7/2017	12/7/2017	—	—	$6,858,306
Lilac Fire	Fire	2017-12 FM-5228	2017	San Diego	12/7/217	12/7/2017	—	—	$15,483,759

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
December 2017 California Wildfires	Fire	EM-3396** (consolidated into DR-4353)	2017	Los Angeles, Riverside, San Diego, Santa Barbara, Ventura	12/7/2017	12/8/2017	—	—	—
December 2017 California Wildfires & Debris Flows	Fire and Debris Flow	2017-12 DR-4353 FM-5224	2017 2018	Los Angeles, San Diego, Santa Barbara, Ventura	12/7/2017	1/2/2018 (DR-4353) 12/5/2017 (FM-5224, Thomas Fire)	21	—	$432,850,634.74
Severe Winter Storm	Storm	DR-4302	2017	Hoopa Valley Indian Reservation	Not Proclaimed	2/14/2017	—	—	—
Flooding	Storm	DR-4312	2017	Resighini Rancheria (Indian Reservation)	Not Proclaimed	5/2/2017	—	—	—
March 2018 Storms	Storm	2018-01	2018	Mariposa, Merced, Tuolumne	4/19/2018	Not Declared	—	—	$22,746,988
January 2018 Debris and Mudflow	Debris and Mudflow	2018-02	2018	Los Angeles (City of Burbank)	Not Proclaimed	Not Declared	—	—	$3,867,458
Pawnee Fire	Fire	2018-03 FM-5244	2018	Lake	6/25/2018	6/24/2018	—	—	$26,649,758
Creek Fire	Fire	FM-5245	2018	Shasta	Not Proclaimed	6/25/2018	—	—	$3,576,407.33
Klamathon Fire	Fire	2018-04 FM-5250	2018	Siskiyou	7/5/2018	7/5/2018	1	—	$32,808,626
West Fire	Fire	FM-5251	2018	San Diego	7/6/2018	7/6/2018	—	—	$886,786.68
Holiday Fire	Fire	FM-5252	2018	Santa Barbara	7/7/2018	7/7/2018	—	—	$1,815,122.66
Carr Fire	Fire	FM-5259	2018	Trinity, Shasta	7/26/2018	7/23/2018	7	—	$5,741,103.42
Cranston Fire	Fire	FM-5260	2018	Riverside	7/26/2018	7/25/2018	—	—	$3,834,531.49
Ferguson Fire	Fire	2018-05	2018	Mariposa	7/26/2018	Not Declared	—	—	$1,927,819
Mendocino Complex	Fire	FM-5262	2018	Mendocino, Lake	7/28/2018	7/28/2018	1	—	$28,708,052.45

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Summer 2018 California Wildfires and High Winds	Fire and Wind	DR-4382 FM-5262 EM-3398 FM-5259	2018	Lake, Shasta	7/26/2018 (Carr Fire, Shasta County Only) 7/28/2018 (Mendocino Complex)	8/4/2018 (DR-4382) 7/28/2018 (FM-5262, Mendocino Complex, Lake County Only) 7/28/2018 (EM-3398, Carr Fire, Shasta County Only) 7/23/2018 (FM-5259, Carr Fire, Shasta County Only)	—	—	$371,357,291.21
Summer 2018 California Wildfires and High Winds	Fire and Wind	2018-06	2018	Colusa, Lake, Mendocino, Napa, Shasta	7/29/2018 11/30/2018	Not Declared	—	—	$6,770,412
Creek Fire	Fire	2018-07	2018	Shasta	Not Proclaimed	Not Declared	—	—	$334,243
Whaleback Fire	Fire	2018-08	2018	Lassen	Not Proclaimed	Not Declared	—	—	$2,658,487
Holy Fire	Fire	FM-5268	2018	Riverside	8/9/2018	8/9/2018	—	—	$7,388,341.38

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
November 2018 California Wildfires, Mud and Debris Flows	Storm, Mud and Debris Flows	2018-09 DR-4407 EM-3409 FM-5280 FM-5279 FM-5278	2018	Butte, Los Angeles, Ventura	11/8/2018	11/12/2018 (DR-4407) 11/9/2018 (EM-3409) 11/9/2018 (FM-5280, Woolsey Fire) 11/8/2018 (FM-5279, Hill Fire) 11/8/2018 (FM-5278, Camp Fire)	88	—	$2,222,192,556
October 2018 Monsoon	Monsoon	2018-10	2018	San Bernardino	Not Proclaimed	Not Declared	—	—	$946,358
Late January 2019 Storms	Storm	2019-01	2019	Yolo	5/10/2019	Not Declared	—	—	$36,634
Mid-February 2019 Storms	Storm	2019-02 DR-4331	2019	Calaveras, Colusa, Los Angeles, Marin, Mariposa, Mendocino, Modoc, Monterey, Napa, Orange, Riverside, San Bernardino, San Diego, Santa Barbara, Shasta, Trinity	5/1/2019	5/1/2019	—	—	$67,576,405
Late February 2019 Storms	Storm	2019-03 DR-4434	2019	Amador, Butte, Colusa, Del Norte, El Dorado, Glenn, Humboldt, Lake, Marin, Mariposa, Mendocino, Monterey, Napa, Santa Cruz, Sonoma, Tehama, Trinity, Tuolumne, Yolo	5/18/2019	5/18/2019	—	—	$64,821,871

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
April 2019 Spring Storm	Storm	2019-04	2019	Modoc	Not Proclaimed	Not Declared	—	—	$165,594
California Earthquakes	Earthquake	2019-05 EM-3415	2019	Kern, San Bernardino	7/4/2019	7/8/2019	—	—	$69,782,120
Kincade Fire	Fire	2019-06 FM-5295	2019	Sonoma	10/25/2019	10/24/2019	—	—	$90,612,276
Coronavirus Disease 2019 (COVID-19)*	Pandemic	2020-01 DR-4482 EM-3428	2020	Statewide	3/4/2020	3/22/2020 (DR-4482) 3/13/2020 (EM-3428)	—*	—	$13,958,966,199
Saddleridge Fire	Fire	2020-02 FM-5293	2019	Los Angeles	10/11/2019	10/19/2019	—	—	$16,064,704.23
Tick Fire	Fire	FM-5296	2019	Los Angeles	10/25/2019	10/24/2019	—	—	$7,393,070.69
Getty Fire	Fire	FM-5297	2019	Los Angeles	10/27/2019 11/22/2019 – Executive Order N-21-19	10/28/2019	—	—	$9,118,156.54
Hill Fire	Fire	FM-5299	2019	Riverside	10/27/2019 11/22/2019 – Executive Order N-21-19	10/30/2019	—	—	$524,316.31
46 Fire	Fire	FM-5300	2019	Riverside	10/27/2019 11/22/2019 – Executive Order N-21-19	10/31/2019	—	—	$943,856.12
Hillside Fire	Fire	FM-5301	2019	San Bernardino	10/27/2019 11/22/2019 – Executive Order N-21-19	10/31/2019	—	—	$154,456.54

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Easy/Maria Fires	Fire	2020-03 FM-5302 FM-5298	2019	Ventura	10/27/2019 11/22/2019 – Executive Order N-21-19	11/1/2019 (FM-5302, Maria Fire) 10/30/2019 (FM-5298, Easy Fire)	—	—	$16,099,761
Sandalwood Fire	Fire	2020-04	2019	Riverside	10/11/2019	Not Declared	—	—	$261,322
Cave Fire	Fire	FM-5303	2019	Santa Barbara	Not Proclaimed	11/26/2019	—	—	$680,250.86
Monterey County Atmospheric River Event	Storm	2020-05	2020	Monterey	Not Proclaimed	Not Declared	—		$45,542
Apple Fire	Fire	FM-5325	2020	Riverside, San Bernardino, Morongo Tribal Lands	Not Proclaimed	8/2/2020	—	—	$32,187,587.64

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
August 2020 Wildfires	Fire	2020-06 DR-4558 FM-5373 FM-5363 FM-5339 FM-5338 FM-5336 FM-5333 FM-5332 FM-5331 FM-5329	2020	Butte, Lake, Lassen, Monterey, Napa, Nevada, Plumas, San Mateo, Santa Clara, Santa Cruz, Sierra, Solano, Sonoma, Stanislaus, Trinity, Tulare, Tuolumne, Yolo, Yuba	8/18/2020	8/22/2020 (DR-4558) 9/13/2020 (FM-5373, SQF Complex) 9/9/2020 (FM-5363, Bear Fire) 8/22/2020 (FM-5339, Sheep Fire) 8/20/2020 (FM-5338, SCU Lightning Complex) 8/20/2020 (FM-5336, CZU Lightning Complex) 8/19/2020 (FM-5333, Carmel Fire) 8/18/2020 (FM-5332, Jones Fire) 8/18/2020 (FM-5331, LNU Lightning Complex) 8/17/2020 (FM-5329, River Fire)	6	—	$634,639,158
September 2020 Wildfires	Fire	2020-07 DR-4569	2020	Del Norte, Fresno, Los Angeles, Madera,	9/6/2020 (Creek Fire)	10/16/2020 (DR-4569)	5	—	$245,298,163

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
		FM-5377 FM-5376 FM-5374 FM-5361 FM-5350 FM-5348		Mendocino, Napa, San Bernardino, San Diego, Shasta, Siskiyou, Sonoma, Yuba	9/6/2020 (El Dorado Fire) 9/10/2020 (Slater Fire) 9/25/2020 (Bobcat Fire) 9/28/2020 (Glass Fire) 9/28/2020 (Zogg Fire)	9/28/2020 (FM-5377, Zogg Fire) 9/27/2020 (FM-5376, Glass Fire) 9/13/2020 (FM-5374, Bobcat Fire) 9/9/2020 (FM-5361, Slater Fire) 9/6/2020 (FM-5350, El Dorado Fire) 9/6/2020 (FM-5348, Creek Fire)			
Silverado Fire	Fire	FM-5380	2020	Orange	Not Proclaimed	10/26/2020	—	—	$17,711,492.58
Blue Ridge Fire	Fire	FM-5381	2020	Orange, Riverside, San Bernardino	Not Proclaimed	10/26/2020	—	—	$8,522,874.19
Mountain View Fire	Fire	2020-08	2020	Mono	11/18/2020	Not Declared	—	—	$307,757
Bond Fire	Fire	FM-5383	2020	Orange	Not Proclaimed	12/3/2020	—	2	$13,455,801.89
Mono Winds Event	Wind	2021-01	2021	Madera, Mariposa	6/22/2021	Not Declared			$501,683
Tamarack Fire	Fire	2021-02	2021	Alpine	7/23/2021	Not Declared	—	—	$1,532,593
Dixie Fire	Fire	2021-03 DR-4610 FM-5400	2021	Lassen, Plumas, Tehama	7/23/2021	8/24/2021 (DR-4610) 7/20/2021 (FM-5400, Dixie Fire)	1	—	$17,445

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Summer 2021 Wildfires	Fire	2021-04 FM-5393	2021	Kern, Lassen, Mendocino, Nevada, Placer, Plumas, Shasta, Siskiyou, Tehama, Trinity, Tulare, Tuolumne	7/16/2021 (Lava Fire) 7/16/2021 (Beckwourth Complex) 8/6/2021	6/28/2021 (FM-5393, Lava Fire) 8/24/2021 (FM-5416, French Fire)	–	–	$9,310,474
2021 Northeast Wildfires	Fire	2021-04 2021-03 DR-4610 FM-5412 FM-5405	2021	Lassen, Nevada, Placer, Plumas, Tehama, Trinity	8/6/2021 8/10/2021 (Monument Fire)	8/24/2021 (DR-4610) 8/17/2021 (FM-5412, Monument Fire) 8/4/2021 (FM-5405, River Fire)	–	–	$324,832,868
Caldor Fire	Fire	EM-3571** (consolidated into DR-4619)	2021	Alpine, Amador, El Dorado, Placer	8/17/2021 9/1/2021	9/1/2021	–	–	–
Late January and February 2021 Winter Storms	Storm	2021-05	2021	Monterey, San Benito, San Luis Obispo, Santa Cruz	1/29/2021	Not Declared	–	–	$5,738,045
Caldor and Cache Fires	Fire	2021-06 DR-4619 FM-5413	2021	Alpine, Amador, El Dorado, Lake, Placer	8/17/2021 9/1/2021	9/12/2021 (DR-4619) 8/17/2021 (FM-5413, Caldor Fire)	–	–	$170,407,973
August 2021 Monsoon	Monsoon	2022-01	2021	Imperial, Riverside	Not Proclaimed	Not Declared	1	–	$12,500,000
Fawn Fire	Fire	FM-5417	2021	Shasta	9/27/2021	9/23/2021	0	0	$13,873,991.71
October 2021 Atmospheric River	Storm	2022-02	2021	Glenn, Marin, Trinity	3/23/2022	Not Declared	0	0	$4,897,993

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
December 2021 Storms	Storm	2022-03	2021 2022	Amador, Calaveras, Humboldt, Nevada, Placer, Santa Cruz, Sierra, Trinity, and Cities of Arcadia, Malibu, Monrovia, and Yucaipa	12/30/2021	Not Declared	—	—	$28,733,693
Alisal Fire	Fire	2022-04 FM-5419	2021	Santa Barbara	10/12/2021	10/12/2021	—	—	$5,924,255
Coastal Fire	Fire	FM-5439	2022	Orange	Not Proclaimed	5/11/2022	—	—	$1,165,154
2021 Drought	Drought	2022-05	2022	Colusa	4/21/2021	Not Declared	—	—	$92,955
Oak Fire	Fire	2022-06 FM-5445	2022	Mariposa	7/23/2022	7/23/2022	—	—	$14,011,175
McKinney Fire	Fire	2022-07	2022	Siskiyou	7/30/2022	Not Declared	—	—	$15,061,500
Heat Dome and Wildfires	Extreme Heat and Fires	2022-08 FM-5453 FM-5450	2022	El Dorado, Madera, Modoc, Placer, Siskiyou	8/31/2022 (Extreme Heat) 9/8/2022 (Mosquito Fire) 9/2/2022 (Mill Fire)	DR Request Pending Appeal Determination as of March 2023 9/9/2022 (FM-5453, Mosquito Fire) 9/2/2022 (FM-5450, Mill Fire)	—	—	$84,513,380
Fairview Fire	Fire	FM-5451	2022	Riverside	09/02/2022	09/05/2022	—	—	$36,092,833
August 2022 Storms	Storm	2022-09	2022	Alpine, Inyo	11/19/2022	Not Declared	—	—	$1,985,232
2022-2023 Early Winter Storms	Storm	EM-3591** (consolidated into DR-4683)	2022 2023	Alameda, Colusa, Contra Costa, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake,	1/4/2023	1/9/2023	9	—	—

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
				Los Angeles, Madera, Marin, Mariposa, Mendocino, Merced, Mono, Monterey, Napa, Orange, Placer, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Solano, Sonoma, Stanislaus, Sutter, Tehama, Tulare, Ventura, Yolo, Yuba					

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
2022-2023 Early Winter Storms	Storm	2023-01 DR-4683	2022 2023	Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Inyo, Los Angeles, Madera, Marin, Mariposa, Mendocino, Merced, Monterey, Napa, Nevada, Placer, Sacramento, San Benito, San Diego, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Venture, Yolo	1/4/2023	1/14/2023	—	—	$1,234,636,773***
Ferndale Earthquake	Earthquake	2023-02	2022	Humboldt	12/20/2022	Not Declared	—	—	$8,004,000
Six Rivers (SRF) Lightning Complex	Fire	2023-03	2022	Trinity	Not Proclaimed	Not Declared	—	—	$240,632
Mid-September Storm	Storm	2023-04	2022	Glenn	Not Proclaimed	Not Declared	—	—	$840,000

Disaster Name	Disaster Type	Disaster #	Year	Areas Declared	State Proclamation Date	Federal Declaration Date	Deaths	Injuries	Damage in $
Late February-Early March 2023 Winter Storms	Storm	EM-3592** (consolidated into DR-4699)	2023	Alpine, Amador, Butte, Calaveras, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Imperial, Inyo, Kern, Kings, Lake, Los Angeles, Madera, Mariposa, Mendocino, Merced, Mono, Monterey, Napa, Nevada, Orange, Placer, Plumas, Sacramento, San Benito, San Bernardino, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Sierra, Sonoma, Stanislaus, Trinity, Tulare, Tuolumne, and Yuba	03/01/2023 03/08/2023	03/10/23	–		–
2023 February-April Storms	Storm	2023-05 DR-4699	2023	Calaveras, Los Angeles, Monterey, Tulare	03/01/2023 03/08/2023 03/12/2023 03/14/2023 03/28/2023	04/03/2023	–		$673,830,720***

*The Coronavirus Disease 2019 (COVID-19) death counts are available on www.covid19.ca.gov. Jurisdictions seeking to incorporate COVID-19 data into their planning documents should refer to this resource for the most accurate counts. As of April 7, 2023, the total death count for the State of California is 101,312.

**Federal Emergency (EM) Declaration was rolled into a Major Disaster (DR) Declaration. The areas declared, deaths, and damage in dollars information is captured in the related DR designation.

***Due to the disaster occurring near in time to the 2023 SHMP update, State initial damage estimates were used in place of validated damage estimates from the Federal Emergency Management Agency (FEMA).

Appendix G. **Risk Assessment Methodology**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

G. RISK ASSESSMENT METHODOLOGY

G.1. ASSET INVENTORIES

The Federal Emergency Management Agency (FEMA) requires the State to identify its assets which may include State facilities, infrastructure, and community lifelines that serve a critical function on behalf of the State of California. For the 2023 State Hazard Mitigation Plan (SHMP), the State of California assessed the exposure and vulnerability of the following types of State assets: State-owned or -leased facilities; State highways and bridges; State-owned dams; and the State Water Project infrastructure.

G.1.1. State Facilities

The California Department of General Services (DGS) provided its Statewide Property Inventory (SPI) dataset that includes 23,961 State-owned and 1,893 State-leased facilities. The SPI contains a point location (latitude and longitude) and information, including the facility name, State agency, and square footage for each building but does not include the replacement cost. A process that combined information from the SPI, the California Structure Inventory (CSI), and the LandVision statewide parcel dataset was used to estimate the building replacement cost.

The California Department of Water Resources (DWR) and the U.S. Army Corps of Engineers (USACE) developed the CSI. The CSI provides a point location for buildings throughout the State of California and the depreciated replacement cost of the buildings. However, the point locations from the SPI do not directly align with the CSI point locations. Because of the differences in the point locations, the LandVision parcel data was used to spatially aggregate the CSI replacement cost data to tax parcels. The replacement costs were then disaggregated back to the SPI dataset. This aggregation/disaggregation process was carried out using the following steps:

1. The CSI replacement cost estimates for each building were summed to each parcel in the LandVision dataset.
2. The total building square footage from the SPI was summed to each parcel in the LandVision dataset that contains one or more State-owned or -leased buildings.
3. Each point in the SPI was assigned the total building square footage and replacement cost from the parcel it falls within.
4. The proportion of the individual building's square footage to the total building square footage for the parcel was calculated.

5. The building square footage proportion was then multiplied by the total replacement cost for the parcel to determine the building replacement cost.

The replacement cost aggregation/disaggregation process allowed for the deprecated replacement cost values developed as part of the CSI to be applied to the State Property Inventory. Replacement cost values were determined for approximately 75 percent of the State-owned facilities and 93 percent of the State-leased facilities.

A summary of the State facilities by agency and by county is included in Attachment G1 provided at the end of this appendix.

G.1.2. State Highways

The State Highways dataset – *SHN Lines* – was downloaded from the California Department of Transportation's (Caltrans) geographic information system (GIS) Data website. The State Highways are based upon the Caltrans Linear Referencing System developed from the Caltrans Transportation System Network extraction on October 1, 2021. A summary of the number of miles of highway in each county is included in Attachment G1 provided at the end of this appendix.

G.1.3. State Bridges

The bridges dataset – *State Highway Bridges* – was downloaded from the California Department of Transportation's GIS Data website. The data points represent bridges along the State Highway Network. The dataset was last updated on February 16, 2022. A summary of the number of bridges in each county is included in Attachment G1 provided at the end of this appendix.

G.1.4. State-Owned Dams

The State-owned dams were extracted from the California Department of Water Resources' *i17 California Jurisdictional Dams* dataset downloaded from the California State Geoportal website. The data points represent dams owned by various State agencies and have hazard ratings ranging from low to extremely high. The dataset was last updated on February 16, 2022. A summary of the number of dams in each county is included in Attachment G1 provided at the end of this appendix.

G.1.5. State Water Project

The State Water Project canals and pipelines were extracted from the California Department of Water Resources' *i17_StateWaterProject_Centerline* dataset downloaded from the California State Geoportal website. The data represent the centerlines of the system. The dataset was last updated on February 16, 2022. A summary of the miles of pipelines and canals in each branch of the State Water Project is included in Attachment G1 provided at the end of this appendix.

G.2. CRITICAL FACILITIES AND COMMUNITY LIFELINES

As part of the 2023 SHMP update, the Critical Infrastructure Protection unit of the State Threat Assessment Center (STAC) conducted the hazard Risk Assessment for the State-identified critical infrastructure. The Critical Infrastructure Protection unit of STAC maintains a list of State-identified critical infrastructure. STAC staff reviewed each item in the list and classified them into the seven community lifelines identified by FEMA. The lifeline categories include:

- Safety and Security
- Food, Water, and Shelter
- Health and Medical
- Energy
- Communications
- Transportation
- Hazardous Materials

Additionally, STAC staff determined the potential economic losses for each piece of State-identified critical infrastructure based on if that piece of infrastructure was impacted or damaged by a hazard event. The potential economic losses have been summarized into five categories, which include:

- $0 to $10 million
- $10 million to $100 million
- $100 million to $500 million
- $500 million to $1 billion
- Greater than $1 billion

Using GIS software, the locations of State-identified critical infrastructure were compared against hazard areas. County-level summaries were generated, providing a count of facilities and range of economic losses for each hazard type by community lifeline. The county-level summaries are included in Attachment G1 provided at the end of this appendix.

G.3. POPULATION AND EQUITY PRIORITY COMMUNITIES

For this SHMP, the Equity Working Group identified the U.S. Centers for Disease Control and Prevention (CDC)'s 2018 Social Vulnerability Index (SVI) dataset as the most appropriate and authoritative dataset for determining geographic areas where efforts can be prioritized to ensure equitable outcomes from mitigation planning and actions. SVI updates for 2020 had not yet been made public at the time of this direction and analysis. The planning team adjusted the 2018 data as explained below to account for more current population date.

The SVI dataset was created by the CDC's Agency for Toxic Substances and Disease Registry (ATSDR) as a tool to help emergency managers and public health officials identify communities that will likely need support during and after a hazardous event. CDC/ATSDR uses 15 different social factors derived from U.S. Census data to identify vulnerable communities. These 15 factors are calculated for each census tract and grouped into four themes. Each census tract is assigned an overall ranking along with individual ranks for the four themes. For this analysis, the census tract rankings limited to only census tracts that occur within the State of California.

The SVI dataset was processed in preparation for the analysis:

- The boundaries of the 2018 SVI dataset were adjusted to better represent residential areas.
- The population counts from the 2020 Census were used to rescale the 2018 SVI population estimates to better represent current conditions.

For the Risk Assessment analysis, residential areas were defined using the LandVision parcel dataset. The LandVision dataset represents tax parcels throughout California and was last updated in April 2022. Additionally, the LandVision dataset has a standardized land use classification system which consolidates the different land use categories used by California's 58 counties. The standardized classification system was used to identify residential parcels.

The standardized categories used to select residential parcels include:

- Single-Family Residential
- Condominium Unit (Residential)
- Mobile/Manufactured Home (Regardless of Land Ownership)
- Timeshare (Residential)
- Duplex (2 Units, Any Combination)
- Rural/Agricultural Residence
- Planned Unit Development (PUD) (Residential)
- Apartment House (5+ Units)
- Triplex (3 Units, Any Combination)
- Quadruplex (4 Units, Any Combination)
- Multi-Family Dwellings (Generic, Any Combination 2+)
- Townhouse (Residential)
- Apartments (Generic)
- Residential Income (General) (Multi-Family)
- Residential Common Area (Condo/PUD/Etc.)
- Residential-Vacant Land
- Residential (General) (Single)
- Mobile Home Park, Trailer Park
- Condominiums (Industrial)
- Single-Family Residential (Assumed)
- Modular/Prefabricated Homes
- Retail/Residential (Mixed Use)
- Homes (Retired; Handicap, Rest; Convalescent; Nursing)
- Apartment House (100+ Units)
- Boarding House, Rooming House, Apt Hotel, Transient Lodgings, Hostel
- Highrise Apartments
- Cooperative Unit (Residential)
- Seasonal, Cabin, Vacation Residence
- Campground, RV Park
- Commercial/Office/Residential (Mixed Use)
- Garden Apt, Court Apt (5+ Units)

Residential parcels were selected and dissolved into residential areas. The 2018 SVI dataset was then clipped using these residential areas. The clipping process adjusted the census tract boundaries so that they represent residential locations. The adjusted census tract boundaries were used in the Risk Assessment exposure analyses as they more accurately represent locations where people live.

In addition to the boundary adjustments, the population estimates in the 2018 SVI dataset were adjusted to reflect 2020 conditions. The population estimates were created for each County in California by aggregating the data from the 2018 SVI dataset. County population counts from the 2020 Census were used to generate county-specific population adjustment factors. These adjustment factors were then applied to the 2018 SVI dataset, and a 2020 population estimate was calculated for each Census tract. Table G-1 provides a summary of the adjustment factors for each County.

Table G-1. Population Adjustment Factors

County	2018 Population	2020 Population	Adjustment Factor (2020 Population/2018 Population)
Alameda	1,643,700	1,682,353	1.02
Alpine	1,146	1,204	1.05
Amador	37,829	40,474	1.07
Butte	227,075	211,632	0.93
Calaveras	45,235	45,292	1.00
Colusa	21,464	21,839	1.02
Contra Costa	1,133,247	1,165,927	1.03
Del Norte	27,424	27,743	1.01
El Dorado	186,661	191,185	1.02
Fresno	978,130	1,008,654	1.03
Glenn	27,897	28,917	1.04
Humboldt	135,768	136,463	1.01
Imperial	180,216	179,702	1.00
Inyo	18,085	19,016	1.05
Kern	883,053	909,235	1.03
Kings	150,075	152,486	1.02
Lake	64,148	68,163	1.06
Lassen	31,185	32,730	1.05
Los Angeles	10,098,052	10,014,009	0.99
Madera	155,013	156,255	1.01
Marin	260,295	262,321	1.01
Mariposa	17,540	17,131	0.98

County	2018 Population	2020 Population	Adjustment Factor (2020 Population/2018 Population)
Mendocino	87,422	91,601	1.05
Merced	269,075	281,202	1.05
Modoc	8,938	8,700	0.97
Mono	14,174	13,195	0.93
Monterey	433,212	439,035	1.01
Napa	140,530	138,019	0.98
Nevada	99,092	102,241	1.03
Orange	3,164,182	3,186,989	1.01
Placer	380,077	404,739	1.06
Plumas	18,699	19,790	1.06
Riverside	2,383,286	2,418,185	1.01
Sacramento	1,510,023	1,585,055	1.05
San Benito	59,416	64,209	1.08
San Bernardino	2,135,413	2,181,654	1.02
San Diego	3,302,833	3,298,634	1.00
San Francisco	870,044	873,965	1.00
San Joaquin	732,212	779,233	1.06
San Luis Obispo	281,455	282,424	1.00
San Mateo	765,935	764,442	1.00
Santa Barbara	443,738	448,229	1.01
Santa Clara	1,922,200	1,936,259	1.01
Santa Cruz	273,765	270,861	0.99
Shasta	179,085	182,155	1.02
Sierra	2,930	3,236	1.10
Siskiyou	43,540	44,076	1.01
Solano	438,530	453,491	1.03
Sonoma	501,317	488,863	0.98
Stanislaus	539,301	552,878	1.03
Sutter	95,872	99,633	1.04
Tehama	63,373	65,829	1.04
Trinity	12,862	16,112	1.25
Tulare	460,477	473,117	1.03
Tuolumne	53,932	55,620	1.03
Ventura	848,112	843,843	0.99
Yolo	214,977	216,403	1.01
Yuba	75,493	81,575	1.08

For the Risk Assessment analysis in this plan, Census tracts with an SVI overall index value of 0.7 or greater were considered to be "highly vulnerable." A summary of the total population and the highly vulnerable population for each county is included in Attachment G1 provided at the end of this appendix.

G.4. BUILDABLE LANDS

A buildable lands dataset was generated for the 2023 SHMP Risk Assessment analysis using the LandVision parcel dataset. Vacant properties were identified using the standardized land use classifications in the LandVision parcel dataset that was last updated in April 2022.

The specific standardized land use descriptions used to identify buildable parcels include:

- Commercial-Vacant Land
- Government-Vacant Land
- Industrial-Vacant Land
- Institutional-Vacant Land
- Multi-Family-Vacant Land
- Residential-Vacant Land
- Rural/Agricultural-Vacant Land
- Vacant Land (General)

Approximately 1.22 million buildable parcels were initially identified statewide. However, in some Counties these parcels included areas that are owned by federal agencies within the U.S. Department of Interior, or that fell within National Forests, National Preserves, National Monuments, or Wilderness Areas. These parcels are not likely to be developed into residential, commercial, or industrial properties, and therefore have been identified and removed from the buildable lands dataset. Parcels with a local land use description of "Vacant Land Non-Taxable" were also removed from the buildable lands dataset.

Additionally, parcels with one of the following property owners were removed from the dataset:

- United States of America
- U S A Unpatented
- Stanislaus National Forest
- Sierra National Forest
- USA
- U S A
- USA BIA
- USA 705
- Government Land
- U.S. Government
- Name beginning with "USA"

The additional filtering by owner name reduced the potential buildable lands from 1.22 million parcels to 1.16 million parcels.

A summary of the acres of buildable lands in each county is included in Attachment G1 provided at the end of this appendix.

G.5. HAZARD DATA

The following summarizes the spatial hazard areas data used for the 2023 SHMP Risk Assessment exposure analyses.

G.5.1. Dam Failure

Two spatial datasets for the dam failure hazard were identified and used for the exposure analyses:

- Inundation boundaries for California State jurisdictional dams
- Inundation area for Whittier Narrows Dam Western Embankment breach

The inundation boundaries for State jurisdictional dams dataset – *Approved_InnundationBoundaries_As_of_July01_2022* – was downloaded from CA DWR's California Dam Breach Inundation Maps website. A State jurisdictional dam is

defined as a dam not wholly under the control of the federal government. Extremely high and high-hazard dams were used for the exposure analyses.

The inundation area for Whittier Narrows Dam – *Whittier Narrows Dam Western Embankment Breach Pool Elevation 239.9 Feet NAVD* – was provided by USACE. This dataset, produced in 2018, models a breach of the western embankment.

G.5.2. Earthquake

Three spatial datasets for the earthquake hazard were identified and used for the exposure analyses:

- Seismic Hazard Zone Maps for Liquefaction
- National Earthquake Hazard Reduction Program (NEHRP) soils
- Shaking potential

The liquefaction zones dataset *CGS_Seismic_Hazards_Program%3A_Liquefaction_Zones* was downloaded from the California Department of Conservation map server website. This dataset was published in 2022. It should be noted liquefaction zones have only been delineated for about 5 percent of the State. These Seismic Hazard Zone Maps only cover the San Francisco Bay area, Sacramento Delta, and greater Los Angeles Basin area.

The NEHRP soils dataset was generated from the Shear-wave Velocity in Upper 30m of Surficial Geology (Vs30) map data – *Vs30_ShearWaveVelocity2015* – included in the California Geological Survey (CGS) Map Sheet 48 dataset downloaded from the California Department of Conservation map server website. The Vs30 map data was published in 2015. NEHRP D & E soils classes were used for the exposure analyses.

Shaking potential is indicated using the 1.0 second spectral acceleration with 2 percent probability of exceedance in 50 years data – *SA10_2pct50yrs* – which is also included in CGS Map Sheet 48 dataset. This data was published in 2016. Areas of violent to extreme shaking, defined as an expected ground motion of 1 g or more, were used for the exposure analyses. This definition of significant shaking was also used for the Prepare CA project.

G.5.3. Flood

FEMA flood hazard area data was identified and used for the exposure analyses. The statewide, effective Digital Flood Insurance Rate Map (DFIRM) data –

NFHL_06_20220724 – was downloaded from the FEMA Flood Map Service Center website. The latest effective date of the flood studies included in this DFIRM data is July 19, 2022, and the latest LOMR effective date is July 25, 2022. There are some gaps in the geographic coverage of the DFIRM data:

- Alpine County has a preliminary countywide DFIRM only. This preliminary data was not used for the exposure analyses.
- Sutter County does not have a countywide DFIRM, DFIRM data is not available for some parts of the county.

The 1% annual chance and 0.2% annual chance flood areas were extracted from the DFIRM data. These areas were further divided into coastal and riverine flood components for the exposure analyses.

G.5.4. Landslide

Three spatial datasets for the landslide hazard were identified and used for the exposure analyses:

- Seismic Hazard Zone Maps for Landslide
- Susceptibility to deep-seated landslides
- Post-fire debris flow

The landslide zones dataset – *CGS_Seismic_Hazards_Program%3A_Landslide_Zones* – was downloaded from the California Department of Conservation map server website. This dataset was published in 2022. It should be noted that landslide zones have only been delineated for about 5 percent of the State. These Seismic Hazard Zone Maps only cover the San Francisco Bay area, Sacramento Delta, and greater Los Angeles Basin area. This data specifically covers earthquake-induced landslide hazards and not other types of landslide triggering mechanisms, including gravity and rainfall.

The susceptibility to deep-seated landslides data (CGS Map Sheet 58) – *ms58_ls_susceptibility_20181001* – was downloaded from the California Department of Conservation map server website. This data was originally published in 2011 and revised in 2018. The data was categorized into very high (susceptibility class 10) and high (susceptibility classes 7, 8, & 9) categories for the exposure analysis. It should be noted that landslide hazard mapping is not uniform across the State. Detailed inventory mapping of existing deep-seated landslides is only available for selected

areas of the State, including portions of the northern Coast Ranges, the San Francisco Bay area, and the greater Los Angeles Basin area. Additionally, this data does not address susceptibility to shallow landslides and debris flows.

The post-fire debris flow data for all fires in California from 2018 through 2022 was downloaded from the U.S. Geological Survey's (USGS) post-fire debris flow hazards website. The data is based on the models that the USGS developed for their design rainstorm event, with a peak 15-minute rainfall intensity of 24 mm/h. The areas where the combined hazard classification (likelihood of a debris flow and the potential volume of the debris) is moderate or high were used for the exposure analysis. This data comes from post-fire debris flow assessments of specific fires. It does not predict downstream impacts, potential debris-flow runout paths, or the areal extent of debris-flow or flood inundation.

G.5.5. Levee Failure

Levee flood protection zone (LFPZ) data was identified and used for the exposure analysis. The LFPZ data – *LFPZ_2013_updated_3-10-16* – was provided by CA DWR. Levee Flood Protection Zones estimate the maximum area that may be inundated if a project levee fails when the water surface elevation is at the top of a project levee. The data was published in 2013 and updated in 2016. The zones are delineated for the Central Valley only. The zones were divided into deep (greater than or equal to 3 feet of flooding) and shallow/unknown categories for the exposure analyses.

G.5.6. Sea-Level Rise

Two spatial datasets for the sea-level rise hazard were identified and used for the exposure analyses:

- Coastal Storm Modeling System (CoSMoS) data for the southern coast from San Diego County north to the southern border of Mendocino County.
- National Oceanic and Atmospheric Administration (NOAA) Sea-Level Rise Viewer data for the northern coast from Mendocino County north.

CoSMoS is a modeling approach developed by the U.S. Geological Survey (USGS) that projects coastal flooding and shoreline change (sandy beach change and cliff retreat) due to both sea-level rise and coastal storms driven by climate change. The CoSMoS data was downloaded from the Our Coast Our Future (OCOF) website. The

3.3-foot(100 cm) no-storm data was used for the year 2050 scenario. The 6.6-foot (200 cm) no-storm data was used for the year 2100 scenario.

The NOAA data uses a "bathtub" modeling approach; the inundation areas were delineated by subtracting the NOAA VDATUM mean higher high water (MHHW) surface from the digital elevation model. This modeling approach does not consider coastal processes such as erosion, subsidence, or future construction. This data was downloaded from the Digital Coast Sea-Level Rise Viewer website. The 3-foot data was used for the year 2050 scenario, and the 6-foot data was used for the year 2100 scenario.

G.5.7. Tsunami

Tsunami hazards area data was identified and used for the exposure analyses. The data was provided by the California Geological Survey (CGS). The hazard areas data was updated for all coastal counties in 2021 or 2022. The second-generation State inundation maps, published in 2009, were modeled at a 30-to-90m resolution for various local and distant tsunami sources. The new (2021/2022) modeling results, use 10-m resolution data and are part of a probabilistic tsunami hazard analysis (PTHA). The tsunami sources selected for inclusion in development of the new maps represent large, realistic events primarily from the Alaska and Cascadia subduction zones, equivalent to a baseline of the 975-year average return period (ARP).

G.5.8. Volcano

Volcano eruption hazards data was identified and used for the exposure analyses. The potential volcano eruption hazards (USGS Data Series 661) dataset – *DS-661* – was downloaded from the USGS publications website. The dataset includes layers for lava flow, tephra, base surge, pyroclastic flow, flowage, and vent area hazards. The geographic areas covered include: Shasta/Medicine Lake/Lassen; Clear Lake; Mono Lake/Long Valley; Owens River/Ubehebe Crater/Coso; Amboy Crater/Lavic Lake; and Salton Buttes. The hazard types for all geographic areas were combined into one hazard layer for the exposure analysis.

G.5.9. Wildfire

Fire hazard severity zones data was identified and used for the exposure analyses. The zones are areas of significant fire hazards based on fuels, terrain, weather, and other relevant factors. The statewide, adopted State Responsibility Areas (SRA) fire hazard

severity zones data – *fhszssn* – was downloaded from the Ca FIRE State Fire Marshall website. The recommended Local Responsibility Area (LRA) fire hazard zones data for each county, where available, was also downloaded from the State Fire Marshall website. The SRA very high and high hazard zones, and the LRA very high hazard zones were combined into one hazard layer for the exposure analyses.

Attachment G1
State Asset Inventory

Risk Assessment Results: State-Owned Facilities by County [No Hazards]

County	Number of Structures	Square Footage	Structure RCV	Content RCV	Total RCV
Alameda	706	12,509,863	$963,198,608	$1,060,001,453	$2,023,200,061
Alpine	13	41,227	$3,410,887	$2,287,927	$5,698,814
Amador	286	2,288,899	$100,731,813	$84,109,672	$184,841,485
Butte	366	3,240,775	$194,503,457	$160,310,327	$354,813,783
Calaveras	149	335,689	$22,506,434	$22,094,277	$44,600,711
Colusa	57	226,610	$3,712,024	$3,422,251	$7,134,274
Contra Costa	134	1,483,162	$228,844,292	$241,613,973	$470,458,265
Del Norte	224	1,494,836	$189,467,347	$153,434,424	$342,901,771
El Dorado	250	413,226	$43,961,240	$43,371,552	$87,332,792
Fresno	591	7,090,955	$591,359,464	$562,833,479	$1,154,192,943
Glenn	64	243,627	$33,710,789	$40,717,926	$74,428,715
Humboldt	623	3,012,340	$132,464,749	$106,642,120	$239,106,869
Imperial	340	2,660,086	$181,994,255	$169,433,538	$351,427,793
Inyo	144	304,425	$94,092,391	$69,755,804	$163,848,195
Kern	728	6,876,970	$559,489,139	$484,900,828	$1,044,389,967
Kings	480	5,303,429	$335,301,129	$171,887,525	$507,188,654
Lake	127	241,850	$15,615,471	$12,669,738	$28,285,209
Lassen	348	2,188,772	$168,452,444	$92,684,511	$261,136,955
Los Angeles	1,533	46,839,683	$2,496,116,270	$2,833,661,784	$5,329,778,054
Madera	224	2,170,243	$131,302,982	$126,435,160	$257,738,142
Marin	568	2,427,908	$148,959,860	$121,276,817	$270,236,677
Mariposa	84	175,462	$33,808,914	$35,482,133	$69,291,047
Mendocino	663	617,728	$39,176,113	$35,791,602	$74,967,715
Merced	139	468,570	$59,921,682	$47,053,081	$106,974,762
Modoc	65	279,334	$19,298,007	$11,018,310	$30,316,317
Mono	262	312,309	$21,262,874	$15,505,074	$36,767,947
Monterey	834	4,592,929	$404,098,021	$224,515,920	$628,613,941
Napa	360	2,916,884	$154,379,548	$152,510,822	$306,890,370
Nevada	309	582,299	$45,115,597	$46,489,415	$91,605,011
Orange	898	10,633,985	$731,662,869	$709,583,695	$1,441,246,564
Placer	227	355,343	$71,202,570	$80,507,499	$151,710,068
Plumas	77	95,956	$5,936,459	$4,615,305	$10,551,764
Riverside	1,290	7,886,642	$463,439,136	$395,299,658	$858,738,795
Sacramento	783	26,035,909	$2,782,469,139	$2,713,106,989	$5,495,576,128

County	Number of Structures	Square Footage	Structure RCV	Content RCV	Total RCV
San Benito	149	302,046	$70,058,387	$69,285,899	$139,344,286
San Bernardino	765	7,804,186	$795,163,463	$533,491,982	$1,328,655,446
San Diego	1,652	20,768,580	$1,243,213,530	$1,148,943,831	$2,392,157,361
San Francisco	184	7,861,033	$832,512,236	$764,149,741	$1,596,661,977
San Joaquin	406	4,847,291	$222,510,539	$213,872,238	$436,382,777
San Luis Obispo	671	8,879,994	$495,688,716	$485,507,107	$981,195,824
San Mateo	171	485,568	$202,170,250	$225,549,792	$427,720,042
Santa Barbara	567	3,598,530	$267,071,427	$184,292,713	$451,364,140
Santa Clara	299	6,028,895	$1,061,904,822	$781,061,369	$1,842,966,191
Santa Cruz	873	2,905,004	$844,191,081	$482,271,091	$1,326,462,172
Shasta	322	978,334	$65,353,902	$74,035,575	$139,389,477
Sierra	17	25,186	$2,500,202	$2,002,901	$4,503,104
Siskiyou	234	570,116	$17,052,365	$16,978,000	$34,030,365
Solano	327	3,218,122	$314,690,628	$208,242,540	$522,933,169
Sonoma	622	3,984,236	$386,413,399	$365,580,124	$751,993,522
Stanislaus	148	1,680,247	$115,091,156	$104,819,053	$219,910,209
Sutter	51	324,591	$22,380,565	$25,172,168	$47,552,733
Tehama	158	499,794	$21,903,744	$22,204,358	$44,108,102
Trinity	47	102,416	$28,867,986	$36,115,061	$64,983,047
Tulare	375	1,827,154	$227,889,270	$272,403,698	$500,292,968
Tuolumne	388	1,095,776	$34,434,686	$34,300,978	$68,735,664
Ventura	282	1,823,838	$294,197,882	$350,411,169	$644,609,051
Yolo	1,248	6,388,339	$104,727,276	$104,499,747	$209,227,023
Yuba	59	279,495	$21,972,345	$22,509,861	$44,482,206
Total	**23,961**	**242,626,696**	**$19,162,925,827**	**$17,562,725,589**	**$36,725,651,416**

Risk Assessment Results: State-Leased Facilities by County [No Hazards]

County	Number of Structures	Structure RCV	Content RCV	Total RCV
Alameda	33	$270,479,184	$270,879,030	$541,358,214
Alpine	0	$0	$0	$0
Amador	11	$2,958,089	$1,789,505	$4,747,594
Butte	48	$131,013,036	$148,551,151	$279,564,187
Calaveras	7	$5,773,625	$8,088,544	$13,862,170
Colusa	3	$11,826,640	$11,826,640	$23,653,279
Contra Costa	21	$59,051,985	$56,361,549	$115,413,534
Del Norte	6	$6,409,108	$6,409,108	$12,818,217
El Dorado	22	$19,752,716	$20,210,434	$39,963,150
Fresno	83	$359,317,670	$387,214,200	$746,531,870
Glenn	2	$2,149,720	$2,149,720	$4,299,439
Humboldt	37	$87,845,896	$93,483,839	$181,329,735
Imperial	11	$18,460,884	$17,167,009	$35,627,893
Inyo	12	$17,281,385	$15,872,749	$33,154,134
Kern	56	$167,633,223	$172,713,210	$340,346,434
Kings	4	$3,330,340	$3,250,250	$6,580,590
Lake	5	$26,599,804	$15,332,369	$41,932,173
Lassen	9	$38,566,027	$34,129,525	$72,695,552
Los Angeles	238	$1,767,419,638	$1,781,537,174	$3,548,956,812
Madera	4	$5,603,730	$8,099,960	$13,703,690
Marin	10	$10,615,005	$9,881,593	$20,496,598
Mariposa	3	$251,650	$125,825	$377,476
Mendocino	31	$56,320,093	$59,658,421	$115,978,513
Merced	9	$7,671,899	$9,011,809	$16,683,708
Modoc	3	$1,744,378	$1,668,597	$3,412,975
Mono	0	$0	$0	$0
Monterey	30	$50,781,991	$43,767,407	$94,549,397
Napa	8	$22,102,576	$22,887,759	$44,990,334
Nevada	13	$15,578,056	$16,009,371	$31,587,427
Orange	59	$446,241,451	$443,853,685	$890,095,136
Placer	23	$56,063,087	$71,459,850	$127,522,938
Plumas	7	$9,575,060	$9,864,179	$19,439,239
Riverside	62	$165,773,260	$171,474,756	$337,248,016
Sacramento	392	$3,413,490,407	$3,482,916,356	$6,896,406,763

County	Number of Structures	Structure RCV	Content RCV	Total RCV
San Benito	6	$1,700,088	$1,574,112	$3,274,200
San Bernardino	73	$200,899,348	$202,139,917	$403,039,265
San Diego	98	$277,022,417	$287,151,363	$564,173,780
San Francisco	19	$201,171,598	$200,691,588	$401,863,186
San Joaquin	33	$96,043,159	$107,514,815	$203,557,975
San Luis Obispo	37	$56,922,893	$56,808,526	$113,731,419
San Mateo	20	$186,325,756	$187,879,116	$374,204,872
Santa Barbara	16	$24,639,964	$21,934,796	$46,574,760
Santa Clara	45	$107,244,528	$109,826,122	$217,070,650
Santa Cruz	13	$10,376,212	$10,786,076	$21,162,288
Shasta	34	$90,702,597	$116,312,433	$207,015,030
Sierra	0	$0	$0	$0
Siskiyou	21	$14,306,971	$14,255,439	$28,562,411
Solano	26	$109,704,548	$118,465,587	$228,170,135
Sonoma	33	$70,906,410	$77,150,986	$148,057,396
Stanislaus	18	$35,245,957	$29,808,332	$65,054,289
Sutter	3	$2,052,943	$2,052,943	$4,105,885
Tehama	13	$10,306,872	$11,206,986	$21,513,858
Trinity	3	$1,560,806	$1,560,806	$3,121,612
Tulare	20	$53,848,313	$53,032,428	$106,880,741
Tuolumne	12	$10,075,633	$10,852,910	$20,928,543
Ventura	43	$113,432,223	$110,013,894	$223,446,117
Yolo	42	$281,422,790	$306,197,377	$587,620,168
Yuba	3	$3,335,004	$3,335,004	$6,670,008
Total	**1,893**	**$9,216,928,646**	**$9,438,197,133**	**$18,655,125,778**

Risk Assessment Results: State-Owned or -Leased Facilities by County [No Hazards]

County	Number of Structures	Structure RCV	Content RCV	Total RCV
Alameda	739	$1,233,677,792	$1,330,880,483	$2,564,558,274
Alpine	13	$3,410,887	$2,287,927	$5,698,814
Amador	297	$103,689,902	$85,899,177	$189,589,079
Butte	414	$325,516,493	$308,861,477	$634,377,970
Calaveras	156	$28,280,059	$30,182,822	$58,462,881
Colusa	60	$15,538,663	$15,248,890	$30,787,554
Contra Costa	155	$287,896,277	$297,975,522	$585,871,799
Del Norte	230	$195,876,455	$159,843,532	$355,719,987
El Dorado	272	$63,713,956	$63,581,986	$127,295,942
Fresno	674	$950,677,134	$950,047,679	$1,900,724,813
Glenn	66	$35,860,508	$42,867,646	$78,728,154
Humboldt	660	$220,310,644	$200,125,960	$420,436,604
Imperial	351	$200,455,139	$186,600,547	$387,055,686
Inyo	156	$111,373,776	$85,628,553	$197,002,329
Kern	784	$727,122,363	$657,614,038	$1,384,736,401
Kings	484	$338,631,469	$175,137,775	$513,769,244
Lake	132	$42,215,275	$28,002,108	$70,217,382
Lassen	357	$207,018,471	$126,814,037	$333,832,508
Los Angeles	1,771	$4,263,535,908	$4,615,198,959	$8,878,734,866
Madera	228	$136,906,712	$134,535,121	$271,441,833
Marin	578	$159,574,865	$131,158,410	$290,733,275
Mariposa	87	$34,060,564	$35,607,959	$69,668,523
Mendocino	694	$95,496,206	$95,450,023	$190,946,229
Merced	148	$67,593,581	$56,064,890	$123,658,470
Modoc	68	$21,042,385	$12,686,907	$33,729,292
Mono	262	$21,262,874	$15,505,074	$36,767,947
Monterey	864	$454,880,012	$268,283,326	$723,163,338
Napa	368	$176,482,124	$175,398,580	$351,880,705
Nevada	322	$60,693,653	$62,498,786	$123,192,438
Orange	957	$1,177,904,320	$1,153,437,380	$2,331,341,700
Placer	250	$127,265,657	$151,967,349	$279,233,006
Plumas	84	$15,511,519	$14,479,485	$29,991,004
Riverside	1,352	$629,212,397	$566,774,414	$1,195,986,811
Sacramento	1,175	$6,195,959,546	$6,196,023,345	$12,391,982,891

County	Number of Structures	Structure RCV	Content RCV	Total RCV
San Benito	155	$71,758,475	$70,860,010	$142,618,486
San Bernardino	838	$996,062,812	$735,631,899	$1,731,694,711
San Diego	1,750	$1,520,235,947	$1,436,095,194	$2,956,331,141
San Francisco	203	$1,033,683,834	$964,841,329	$1,998,525,163
San Joaquin	439	$318,553,698	$321,387,053	$639,940,751
San Luis Obispo	708	$552,611,609	$542,315,634	$1,094,927,243
San Mateo	191	$388,496,006	$413,428,908	$801,924,914
Santa Barbara	583	$291,711,391	$206,227,510	$497,938,900
Santa Clara	344	$1,169,149,350	$890,887,491	$2,060,036,842
Santa Cruz	886	$854,567,293	$493,057,167	$1,347,624,460
Shasta	356	$156,056,499	$190,348,008	$346,404,508
Sierra	17	$2,500,202	$2,002,901	$4,503,104
Siskiyou	255	$31,359,336	$31,233,440	$62,592,776
Solano	353	$424,395,177	$326,708,127	$751,103,304
Sonoma	655	$457,319,809	$442,731,110	$900,050,918
Stanislaus	166	$150,337,113	$134,627,386	$284,964,498
Sutter	54	$24,433,507	$27,225,111	$51,658,618
Tehama	171	$32,210,616	$33,411,344	$65,621,960
Trinity	50	$30,428,791	$37,675,867	$68,104,659
Tulare	395	$281,737,583	$325,436,126	$607,173,709
Tuolumne	400	$44,510,319	$45,153,887	$89,664,207
Ventura	325	$407,630,105	$460,425,063	$868,055,168
Yolo	1,290	$386,150,066	$410,697,125	$796,847,191
Yuba	62	$25,307,349	$25,844,865	$51,152,214
Total	**25,854**	**$28,379,854,473**	**$27,000,922,722**	**$55,380,777,194**

Risk Assessment Results: State-Owned Facilities by Agency [No Hazards]

Agency	Number of Structures	Square Footage	Structure RCV	Content RCV	Total RCV
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	2	456,000	$6,708,484	$6,708,484	$13,416,969
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	3,896	42,442,942	$3,419,731,320	$2,254,012,157	$5,673,743,477
CA Dept of Developmental Services	247	2,320,939	$305,783,571	$390,885,847	$696,669,418
CA Dept of Education	140	1,007,880	$72,292,955	$71,471,656	$143,764,611
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	845	1,330,340	$89,666,843	$83,408,895	$173,075,738
CA Dept of Food and Agriculture	76	122,874	$30,910,938	$29,788,728	$60,699,666
CA Dept of Forestry and Fire Protection	1,902	3,643,642	$736,735,169	$701,301,076	$1,438,036,245
CA Dept of General Services	310	20,654,110	$1,732,903,909	$1,791,018,582	$3,523,922,491
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0
CA Dept of Housing & Community Development	25	1,588,233	$655,289,706	$341,691,270	$996,980,976
CA Dept of Human Resources	0	0	$0	$0	$0

Agency	Number of Structures	Square Footage	Structure RCV	Content RCV	Total RCV
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	2	14,645	$3,285,839	$3,285,839	$6,571,679
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	97	1,785,342	$325,180,246	$324,392,800	$649,573,047
CA Dept of Parks and Recreation	5,991	7,162,144	$376,063,052	$316,591,750	$692,654,802
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	7	697,153	$79,327,904	$90,002,833	$169,330,737
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	4	42,278	$5,950,867	$5,950,867	$11,901,734
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	525	6,470,903	$382,822,433	$454,638,764	$837,461,197
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	3	34,840	$0	$0	$0
CA Dept of Transportation	2,167	6,172,409	$1,287,730,307	$1,193,880,906	$2,481,611,213
CA Dept of Veterans Affairs	120	2,539,986	$226,667,113	$186,735,522	$413,402,634
CA Dept of Water Resources	24	409,655	$31,568,273	$34,584,036	$66,152,309
CA Employment Development Department	19	387,590	$59,018,440	$59,438,012	$118,456,452
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	1	48	$8,699,380	$8,699,380	$17,398,761
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0

Agency	Number of Structures	Square Footage	Structure RCV	Content RCV	Total RCV
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	105	291,500	$75,585,606	$74,054,727	$149,640,332
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	47	1,156,350	$399,139,462	$383,882,594	$783,022,056
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	1	8,949	$1,208,407	$1,208,407	$2,416,814
California Highway Patrol	179	854,645	$209,732,731	$274,788,363	$484,521,095
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	12	413,774	$60,532,682	$60,608,298	$121,140,980

Agency	Number of Structures	Square Footage	Structure RCV	Content RCV	Total RCV
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	14	129,228	$6,937,317	$6,937,317	$13,874,633
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	1	3,325	$0	$0	$0
California State Legislature	1	237,000	$100,716,549	$100,716,549	$201,433,099
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	1,705	79,627,259	$3,704,027,181	$3,806,699,329	$7,510,726,510
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	2	8,550	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	1	21,200	$0	$0	$0
Coachella Valley Mountains Conservancy	4	3,150	$282,137	$141,069	$423,206
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	1,296	8,255,285	$1,096,377,394	$1,114,735,804	$2,211,113,197
Exposition Park California	9	1,828,101	$51,659,745	$51,659,745	$103,319,490
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0

Agency	Number of Structures	Square Footage	Structure RCV	Content RCV	Total RCV
Judicial Council of California	113	11,425,381	$1,584,526,727	$1,706,366,178	$3,290,892,905
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	8	13,917	$57,781	$28,891	$86,672
Santa Monica Mountains Conservancy	50	45,249	$3,147,728	$1,573,864	$4,721,592
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	4,010	39,019,880	$2,032,657,630	$1,630,837,050	$3,663,494,680
Total	**23,961**	**242,626,696**	**$19,162,925,827**	**$17,562,725,589**	**$36,725,651,416**

Risk Assessment Results: State-Leased Facilities by Agency [No Hazards]

Agency	Number of Structures	Structure RCV	Content RCV	Total RCV
4th District Court of Appeal	1	$823,326	$411,663	$1,234,988
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	50	$111,267,273	$115,491,232	$226,758,505
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	1	$16,931,946	$16,931,946	$33,863,892
CA Delta Protection Commission	1	$8,545,399	$12,818,099	$21,363,498
CA Dept of Aging	1	$304,150	$152,075	$456,224
CA Dept of Alcoholic Beverage Control	21	$83,260,200	$83,260,200	$166,520,400
CA Dept of Cannabis Control	6	$35,230,874	$35,230,874	$70,461,749
CA Dept of Child Support Services	3	$18,963,001	$18,963,001	$37,926,003
CA Dept of Community Services and Development	1	$3,989,743	$3,989,743	$7,979,485
CA Dept of Conservation	9	$55,995,909	$55,995,909	$111,991,818
CA Dept of Consumer Affairs	71	$415,192,610	$444,128,251	$859,320,860
CA Dept of Corrections and Rehabilitation	97	$502,731,166	$514,921,870	$1,017,653,037
CA Dept of Developmental Services	4	$19,418,453	$15,189,315	$34,607,768
CA Dept of Education	43	$162,070,656	$162,823,215	$324,893,871
CA Dept of Fair Employment and Housing	4	$24,767,634	$25,672,132	$50,439,766
CA Dept of Financial Protection and Innovation	8	$127,320,864	$127,320,864	$254,641,727
CA Dept of Fish and Wildlife	182	$431,766,181	$445,858,356	$877,624,537
CA Dept of Food and Agriculture	89	$206,518,428	$222,392,319	$428,910,747
CA Dept of Forestry and Fire Protection	157	$269,362,465	$290,043,072	$559,405,538
CA Dept of General Services	25	$423,040,700	$436,882,698	$859,923,398
CA Dept of Health Care Access and Information	3	$87,962,182	$92,639,442	$180,601,624
CA Dept of Health Care Services	14	$87,667,586	$90,320,873	$177,988,459
CA Dept of Housing & Community Development	4	$20,151,137	$20,151,137	$40,302,274
CA Dept of Human Resources	1	$15,260,354	$15,260,354	$30,520,708
CA Dept of Industrial Relations	55	$512,585,508	$523,397,285	$1,035,982,793
CA Dept of Insurance	15	$96,305,603	$98,102,034	$194,407,637

Agency	Number of Structures	Structure RCV	Content RCV	Total RCV
CA Dept of Justice	11	$59,757,599	$59,757,599	$119,515,198
CA Dept of Managed Health Care	1	$16,931,946	$16,931,946	$33,863,892
CA Dept of Motor Vehicles	131	$482,558,437	$492,089,759	$974,648,196
CA Dept of Parks and Recreation	23	$62,625,014	$68,396,758	$131,021,772
CA Dept of Pesticide Regulation	5	$58,814,877	$62,576,444	$121,391,321
CA Dept of Public Health	41	$233,791,952	$239,427,100	$473,219,052
CA Dept of Real Estate	3	$13,304,291	$13,304,291	$26,608,582
CA Dept of Rehabilitation	74	$362,200,726	$369,515,496	$731,716,223
CA Dept of Resources Recycling and Recovery	13	$120,772,396	$120,772,396	$241,544,791
CA Dept of Social Services	62	$435,241,971	$449,170,662	$884,412,633
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	21	$140,540,103	$140,946,452	$281,486,554
CA Dept of Technology	3	$14,476,580	$14,476,580	$28,953,160
CA Dept of Toxic Substances Control	9	$30,642,026	$32,034,425	$62,676,452
CA Dept of Transportation	57	$191,125,894	$185,763,689	$376,889,583
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	25	$88,110,843	$91,075,637	$179,186,479
CA Employment Development Department	105	$551,088,828	$558,010,825	$1,109,099,653
CA Franchise Tax Board	9	$127,845,597	$127,845,597	$255,691,193
CA Governor's Office of Emergency Services	36	$130,198,916	$132,803,647	$263,002,564
CA Governor's Office of Business and Economic Development	4	$68,508,726	$68,508,726	$137,017,453
CA Native American Heritage Commission	1	$3,317,820	$3,317,820	$6,635,641
CA Office of Administrative Law	1	$18,452,265	$18,452,265	$36,904,529
CA Office of Lieutenant Governor	1	$7,901,513	$7,901,513	$15,803,026
CA Office of Systems Integration	5	$31,126,211	$31,126,211	$62,252,421
CA Office of Tax Appeals	5	$180,329,360	$180,329,360	$360,658,720
CA Office of the Inspector General	3	$11,196,515	$11,196,515	$22,393,030
CA State Controller's Office	6	$91,499,479	$91,499,479	$182,998,958
California Agricultural Labor Relations Board	5	$30,060,827	$30,060,827	$60,121,655

Agency	Number of Structures	Structure RCV	Content RCV	Total RCV
California Arts Council	1	$3,551,663	$3,551,663	$7,103,325
California Board of State and Community Corrections	1	$2,750,277	$2,750,277	$5,500,553
California Children and Families Commission	1	$3,989,743	$3,989,743	$7,979,485
California Citizens Redistricting Commission	1	$188,557	$188,557	$377,115
California Coastal Commission	7	$17,633,096	$19,194,800	$36,827,896
California Commission on Teacher Credentialing	1	$6,293,415	$6,293,415	$12,586,829
California Commission on the Status of Women and Girls	1	$12,179,499	$12,179,499	$24,358,999
California Community Colleges Board of Governors	1	$27,224,918	$27,224,918	$54,449,835
California Conservation Corps	24	$39,311,636	$42,484,051	$81,795,687
California Education Audit Appeals Panel	1	$28,396,102	$28,396,102	$56,792,204
California Emergency Medical Services Authority	2	$69,619,747	$69,619,747	$139,239,493
California Energy Commission	1	$9,354,520	$14,031,779	$23,386,299
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	1	$27,224,918	$27,224,918	$54,449,835
California Gambling Control Commission	2	$7,917,273	$7,917,273	$15,834,545
California Government Operation Agency	2	$58,507,901	$58,507,901	$117,015,802
California Health and Human Services Agency	1	$12,179,499	$12,179,499	$24,358,999
California Health Benefit Exchange	2	$34,164,754	$45,566,119	$79,730,872
California High-Speed Rail Authority	7	$241,288,711	$241,288,711	$482,577,422
California Highway Patrol	91	$216,318,340	$255,294,067	$471,612,407
California Horse Racing Board	1	$8,143,542	$8,143,542	$16,287,084
California Law Revision Commission	1	$1,421,468	$1,421,468	$2,842,936
California Lottery	4	$20,213,717	$20,213,717	$40,427,433
California Mental Health Services Oversight and Accountability Commission	2	$32,573,769	$32,573,769	$65,147,537
California Military Department	8	$17,426,805	$17,402,588	$34,829,394
California Office of the State Public Defender	2	$36,507,772	$36,507,772	$73,015,544
California Prison Industry Authority	2	$11,918,431	$13,811,919	$25,730,350
California Public Employment Relations Board	3	$11,649,984	$11,649,984	$23,299,968

Agency	Number of Structures	Structure RCV	Content RCV	Total RCV
California Public Utilities Commission	16	$207,859,627	$209,150,679	$417,010,306
California State Board of Equalization	6	$84,264,547	$84,264,547	$168,529,094
California State Independent Living Council	1	$5,094,778	$5,094,778	$10,189,556
California State Lands Commission	5	$20,004,379	$20,004,379	$40,008,759
California State Legislature	0	$0	$0	$0
California State Personnel Board	2	$5,304,890	$5,304,890	$10,609,780
California State Summer School for the Arts	1	$3,483,235	$3,483,235	$6,966,470
California State Transportation Agency	1	$4,003,651	$4,003,651	$8,007,303
California State University	98	$186,994,716	$157,230,248	$344,224,963
California State Water Resources Control Board	32	$140,323,571	$142,991,337	$283,314,908
California Student Aid Commission	1	$7,166,325	$7,166,325	$14,332,650
California Tahoe Conservancy	2	$2,412,443	$2,823,962	$5,236,405
California Transportation Commission	1	$0	$0	$0
California Victim Compensation Board	1	$49,414,245	$49,414,245	$98,828,490
Cannabis Control Appeals Panel	1	$49,414,245	$49,414,245	$98,828,490
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	1	$5,028,686	$5,028,686	$10,057,372
Commission on Peace Officer Standards and Training	1	$4,312,511	$4,312,511	$8,625,023
District Agricultural Associations	4	$10,451,881	$10,376,100	$20,827,982
Exposition Park California	0	$0	$0	$0
Financial Information System for California	1	$12,712,930	$12,712,930	$25,425,861
Habeas Corpus Resource Center	2	$15,293,922	$15,293,922	$30,587,845
Judicial Council of California	5	$36,491,964	$36,080,301	$72,572,265
Milton Marks (Little Hoover) Commission	1	$12,179,499	$12,179,499	$24,358,999
Sacramento-San Joaquin Delta Conservancy	1	$3,600,158	$3,600,158	$7,200,315
San Diego River Conservancy	1	$244,719	$244,719	$489,439
San Francisco Bay Conservation and Development Commission	1	$43,490,184	$43,490,184	$86,980,367
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	1	$789,576	$394,788	$1,184,364

Agency	Number of Structures	Structure RCV	Content RCV	Total RCV
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	6	$19,740,170	$19,841,361	$39,581,531
University of California	0	$0	$0	$0
Total	**1,893**	**$9,216,928,646**	**$9,438,197,133**	**$18,655,125,778**

Risk Assessment Results: State-Owned or -Leased Facilities by Agency [No Hazards]

Agency	Number of Structures	Structure RCV	Content RCV	Total RCV
4th District Court of Appeal	1	$823,326	$411,663	$1,234,988
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	52	$117,975,758	$122,199,716	$240,175,474
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	1	$16,931,946	$16,931,946	$33,863,892
CA Delta Protection Commission	1	$8,545,399	$12,818,099	$21,363,498
CA Dept of Aging	1	$304,150	$152,075	$456,224
CA Dept of Alcoholic Beverage Control	21	$83,260,200	$83,260,200	$166,520,400
CA Dept of Cannabis Control	6	$35,230,874	$35,230,874	$70,461,749
CA Dept of Child Support Services	3	$18,963,001	$18,963,001	$37,926,003
CA Dept of Community Services and Development	1	$3,989,743	$3,989,743	$7,979,485
CA Dept of Conservation	9	$55,995,909	$55,995,909	$111,991,818
CA Dept of Consumer Affairs	71	$415,192,610	$444,128,251	$859,320,860
CA Dept of Corrections and Rehabilitation	3,993	$3,922,462,486	$2,768,934,028	$6,691,396,514
CA Dept of Developmental Services	251	$325,202,024	$406,075,161	$731,277,185
CA Dept of Education	183	$234,363,611	$234,294,871	$468,658,482
CA Dept of Fair Employment and Housing	4	$24,767,634	$25,672,132	$50,439,766
CA Dept of Financial Protection and Innovation	8	$127,320,864	$127,320,864	$254,641,727
CA Dept of Fish and Wildlife	1,027	$521,433,024	$529,267,251	$1,050,700,275
CA Dept of Food and Agriculture	165	$237,429,367	$252,181,047	$489,610,413
CA Dept of Forestry and Fire Protection	2,059	$1,006,097,635	$991,344,149	$1,997,441,783
CA Dept of General Services	335	$2,155,944,609	$2,227,901,280	$4,383,845,889
CA Dept of Health Care Access and Information	3	$87,962,182	$92,639,442	$180,601,624
CA Dept of Health Care Services	14	$87,667,586	$90,320,873	$177,988,459
CA Dept of Housing & Community Development	29	$675,440,843	$361,842,407	$1,037,283,250
CA Dept of Human Resources	1	$15,260,354	$15,260,354	$30,520,708
CA Dept of Industrial Relations	55	$512,585,508	$523,397,285	$1,035,982,793
CA Dept of Insurance	15	$96,305,603	$98,102,034	$194,407,637

Agency	Number of Structures	Structure RCV	Content RCV	Total RCV
CA Dept of Justice	13	$63,043,439	$63,043,439	$126,086,877
CA Dept of Managed Health Care	1	$16,931,946	$16,931,946	$33,863,892
CA Dept of Motor Vehicles	228	$807,738,684	$816,482,559	$1,624,221,242
CA Dept of Parks and Recreation	6,014	$438,688,066	$384,988,508	$823,676,574
CA Dept of Pesticide Regulation	5	$58,814,877	$62,576,444	$121,391,321
CA Dept of Public Health	48	$313,119,856	$329,429,933	$642,549,789
CA Dept of Real Estate	3	$13,304,291	$13,304,291	$26,608,582
CA Dept of Rehabilitation	78	$368,151,593	$375,466,363	$743,617,957
CA Dept of Resources Recycling and Recovery	13	$120,772,396	$120,772,396	$241,544,791
CA Dept of Social Services	62	$435,241,971	$449,170,662	$884,412,633
CA Dept of State Hospitals	525	$382,822,433	$454,638,764	$837,461,197
CA Dept of Tax and Fee Administration	21	$140,540,103	$140,946,452	$281,486,554
CA Dept of Technology	3	$14,476,580	$14,476,580	$28,953,160
CA Dept of Toxic Substances Control	12	$30,642,026	$32,034,425	$62,676,452
CA Dept of Transportation	2,224	$1,478,856,201	$1,379,644,595	$2,858,500,795
CA Dept of Veterans Affairs	120	$226,667,113	$186,735,522	$413,402,634
CA Dept of Water Resources	49	$119,679,115	$125,659,673	$245,338,788
CA Employment Development Department	124	$610,107,268	$617,448,837	$1,227,556,105
CA Franchise Tax Board	9	$127,845,597	$127,845,597	$255,691,193
CA Governor's Office of Emergency Services	37	$138,898,296	$141,503,028	$280,401,324
CA Governor's Office of Business and Economic Development	4	$68,508,726	$68,508,726	$137,017,453
CA Native American Heritage Commission	1	$3,317,820	$3,317,820	$6,635,641
CA Office of Administrative Law	1	$18,452,265	$18,452,265	$36,904,529
CA Office of Lieutenant Governor	1	$7,901,513	$7,901,513	$15,803,026
CA Office of Systems Integration	5	$31,126,211	$31,126,211	$62,252,421
CA Office of Tax Appeals	5	$180,329,360	$180,329,360	$360,658,720
CA Office of the Inspector General	3	$11,196,515	$11,196,515	$22,393,030
CA State Controller's Office	6	$91,499,479	$91,499,479	$182,998,958
California Agricultural Labor Relations Board	5	$30,060,827	$30,060,827	$60,121,655

Agency	Number of Structures	Structure RCV	Content RCV	Total RCV
California Arts Council	1	$3,551,663	$3,551,663	$7,103,325
California Board of State and Community Corrections	1	$2,750,277	$2,750,277	$5,500,553
California Children and Families Commission	1	$3,989,743	$3,989,743	$7,979,485
California Citizens Redistricting Commission	1	$188,557	$188,557	$377,115
California Coastal Commission	7	$17,633,096	$19,194,800	$36,827,896
California Commission on Teacher Credentialing	1	$6,293,415	$6,293,415	$12,586,829
California Commission on the Status of Women and Girls	1	$12,179,499	$12,179,499	$24,358,999
California Community Colleges Board of Governors	1	$27,224,918	$27,224,918	$54,449,835
California Conservation Corps	129	$114,897,241	$116,538,778	$231,436,019
California Education Audit Appeals Panel	1	$28,396,102	$28,396,102	$56,792,204
California Emergency Medical Services Authority	2	$69,619,747	$69,619,747	$139,239,493
California Energy Commission	1	$9,354,520	$14,031,779	$23,386,299
California Exposition and State Fair	47	$399,139,462	$383,882,594	$783,022,056
California Fair Political Practices Commission	1	$27,224,918	$27,224,918	$54,449,835
California Gambling Control Commission	2	$7,917,273	$7,917,273	$15,834,545
California Government Operation Agency	2	$58,507,901	$58,507,901	$117,015,802
California Health and Human Services Agency	1	$12,179,499	$12,179,499	$24,358,999
California Health Benefit Exchange	2	$34,164,754	$45,566,119	$79,730,872
California High-Speed Rail Authority	8	$242,497,118	$242,497,118	$484,994,237
California Highway Patrol	270	$426,051,071	$530,082,430	$956,133,501
California Horse Racing Board	1	$8,143,542	$8,143,542	$16,287,084
California Law Revision Commission	1	$1,421,468	$1,421,468	$2,842,936
California Lottery	16	$80,746,399	$80,822,014	$161,568,413
California Mental Health Services Oversight and Accountability Commission	2	$32,573,769	$32,573,769	$65,147,537
California Military Department	22	$24,364,122	$24,339,905	$48,704,027
California Office of the State Public Defender	2	$36,507,772	$36,507,772	$73,015,544
California Prison Industry Authority	2	$11,918,431	$13,811,919	$25,730,350
California Public Employment Relations Board	3	$11,649,984	$11,649,984	$23,299,968

Agency	Number of Structures	Structure RCV	Content RCV	Total RCV
California Public Utilities Commission	16	$207,859,627	$209,150,679	$417,010,306
California State Board of Equalization	6	$84,264,547	$84,264,547	$168,529,094
California State Independent Living Council	1	$5,094,778	$5,094,778	$10,189,556
California State Lands Commission	6	$20,004,379	$20,004,379	$40,008,759
California State Legislature	1	$100,716,549	$100,716,549	$201,433,099
California State Personnel Board	2	$5,304,890	$5,304,890	$10,609,780
California State Summer School for the Arts	1	$3,483,235	$3,483,235	$6,966,470
California State Transportation Agency	1	$4,003,651	$4,003,651	$8,007,303
California State University	1,803	$3,891,021,896	$3,963,929,577	$7,854,951,473
California State Water Resources Control Board	32	$140,323,571	$142,991,337	$283,314,908
California Student Aid Commission	1	$7,166,325	$7,166,325	$14,332,650
California Tahoe Conservancy	4	$2,412,443	$2,823,962	$5,236,405
California Transportation Commission	1	$0	$0	$0
California Victim Compensation Board	1	$49,414,245	$49,414,245	$98,828,490
Cannabis Control Appeals Panel	1	$49,414,245	$49,414,245	$98,828,490
Central Valley Flood Protection Board	1	$0	$0	$0
Coachella Valley Mountains Conservancy	5	$5,310,823	$5,169,755	$10,480,578
Commission on Peace Officer Standards and Training	1	$4,312,511	$4,312,511	$8,625,023
District Agricultural Associations	1,300	$1,106,829,275	$1,125,111,904	$2,231,941,179
Exposition Park California	9	$51,659,745	$51,659,745	$103,319,490
Financial Information System for California	1	$12,712,930	$12,712,930	$25,425,861
Habeas Corpus Resource Center	2	$15,293,922	$15,293,922	$30,587,845
Judicial Council of California	118	$1,621,018,691	$1,742,446,479	$3,363,465,170
Milton Marks (Little Hoover) Commission	1	$12,179,499	$12,179,499	$24,358,999
Sacramento-San Joaquin Delta Conservancy	1	$3,600,158	$3,600,158	$7,200,315
San Diego River Conservancy	1	$244,719	$244,719	$489,439
San Francisco Bay Conservation and Development Commission	1	$43,490,184	$43,490,184	$86,980,367
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	1	$789,576	$394,788	$1,184,364

Agency	Number of Structures	Structure RCV	Content RCV	Total RCV
San Joaquin River Conservancy	8	$57,781	$28,891	$86,672
Santa Monica Mountains Conservancy	50	$3,147,728	$1,573,864	$4,721,592
Sierra Nevada Conservancy	6	$19,740,170	$19,841,361	$39,581,531
University of California	4,010	$2,032,657,630	$1,630,837,050	$3,663,494,680
Total	**25,854**	**$28,379,854,473**	**$27,000,922,722**	**$55,380,777,194**

Risk Assessment Results: State Facilities by Type [No Hazards]

Type of Facility	Number of Structures	Square Footage	Structure RCV	Content RCV	Total RCV
Correctional Facility	3,896	42,442,942	$3,419,731,320	$2,254,012,157	$5,673,743,477
Development Center	247	2,320,939	$305,783,571	$390,885,847	$696,669,418
Hospital	525	6,470,903	$382,822,433	$454,638,764	$837,461,197
Migrant Center	25	1,588,233	$655,289,706	$341,691,270	$996,980,976
Special School	137	959,233	$64,705,505	$63,904,858	$128,610,363
Other Facility	19,131	188,844,446	$14,334,593,292	$14,057,592,693	$28,392,185,985
Total	**23,961**	**242,626,696**	**$19,162,925,827**	**$17,562,725,589**	**$36,725,651,416**

Risk Assessment Results: State Bridges by County [No Hazards]

County	Number of Bridges
Alameda	495
Alpine	19
Amador	21
Butte	121
Calaveras	33
Colusa	64
Contra Costa	323
Del Norte	42
El Dorado	73
Fresno	361
Glenn	73
Humboldt	202
Imperial	291
Inyo	33
Kern	357
Kings	56
Lake	39
Lassen	38
Los Angeles	2,273
Madera	67
Marin	90
Mariposa	35
Mendocino	197
Merced	204
Modoc	28
Mono	31
Monterey	217
Napa	55
Nevada	74

County	Number of Bridges
Orange	657
Placer	147
Plumas	37
Riverside	653
Sacramento	310
San Benito	27
San Bernardino	919
San Diego	1,075
San Francisco	114
San Joaquin	315
San Luis Obispo	189
San Mateo	240
Santa Barbara	233
Santa Clara	529
Santa Cruz	93
Shasta	168
Sierra	22
Siskiyou	145
Solano	179
Sonoma	181
Stanislaus	129
Sutter	31
Tehama	132
Trinity	55
Tulare	177
Tuolumne	36
Ventura	310
Yolo	154
Yuba	32
Total	**13,201**

Risk Assessment Results: State Highways by County [No Hazards]

County	Miles of Highway
Alameda	391.5
Alpine	165.4
Amador	250.9
Butte	362.7
Calaveras	299.5
Colusa	229.2
Contra Costa	223.0
Del Norte	182.5
El Dorado	343.7
Fresno	1,035.0
Glenn	220.8
Humboldt	670.7
Imperial	819.2
Inyo	845.0
Kern	1,719.5
Kings	313.9
Lake	271.6
Lassen	605.9
Los Angeles	1,699.6
Madera	261.7
Marin	179.6
Mariposa	233.5
Mendocino	769.0
Merced	513.3
Modoc	355.3
Mono	627.9
Monterey	575.3
Napa	221.2
Nevada	258.3
Orange	552.4
Placer	305.3

County	Miles of Highway
Plumas	362.0
Riverside	1,259.8
Sacramento	423.7
San Benito	180.2
San Bernardino	2,388.6
San Diego	1,268.5
San Francisco	67.4
San Joaquin	526.2
San Luis Obispo	713.4
San Mateo	426.5
Santa Barbara	589.2
Santa Clara	502.8
Santa Cruz	245.0
Shasta	620.8
Sierra	194.9
Siskiyou	698.5
Solano	318.8
Sonoma	470.8
Stanislaus	360.6
Sutter	166.1
Tehama	411.6
Trinity	400.5
Tulare	701.6
Tuolumne	303.1
Ventura	526.0
Yolo	339.1
Yuba	129.8
Total	**30,098.0**

Risk Assessment Results: State Dams by County [No Hazards]

County	Number of State-Owned Dams
Alameda	4
Alpine	2
Amador	1
Butte	5
Calaveras	0
Colusa	0
Contra Costa	1
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	1
Los Angeles	4
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	4
Nevada	0
Orange	0
Placer	0

County	Number of State-Owned Dams
Plumas	5
Riverside	1
Sacramento	1
San Benito	0
San Bernardino	3
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	1
San Mateo	1
Santa Barbara	1
Santa Clara	3
Santa Cruz	2
Shasta	0
Sierra	1
Siskiyou	3
Solano	0
Sonoma	3
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	1
Ventura	0
Yolo	1
Yuba	0
Total	**49**

Risk Assessment Results: State Water Project by Branch [No Hazards]

Branch	Miles of Canals & Pipelines
California Aqueduct	298.6
Coastal Branch	130.4
East Branch	139.1
East Branch Extension	43.3
North Bay Aqueduct	27.8
Oroville	3.7
South Bay Aqueduct	51.9
West Branch	19.7
Total	**714.5**

Risk Assessment Results: Population by County [No Hazards]

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	294,179	1,682,361	17.5%
Alpine	1,204	1,204	100.0%
Amador	0	40,474	0.0%
Butte	38,659	211,632	18.3%
Calaveras	0	45,293	0.0%
Colusa	11,483	21,841	52.6%
Contra Costa	228,654	1,165,925	19.6%
Del Norte	11,064	27,743	39.9%
El Dorado	9,595	191,186	5.0%
Fresno	565,682	1,008,656	56.1%
Glenn	20,183	28,917	69.8%
Humboldt	13,174	136,466	9.7%
Imperial	147,701	179,700	0.0%
Inyo	3,080	19,016	16.2%
Kern	461,465	909,235	50.8%
Kings	72,932	152,486	0.0%
Lake	16,489	68,162	24.2%
Lassen	2,663	32,730	8.1%
Los Angeles	4,094,334	10,013,997	40.9%
Madera	73,086	156,254	46.8%
Marin	13,243	262,324	5.0%
Mariposa	0	17,132	0.0%
Mendocino	43,406	91,600	47.4%
Merced	202,666	281,201	72.1%
Modoc	3,414	8,701	39.2%
Mono	0	13,195	0.0%
Monterey	163,898	439,029	37.3%
Napa	17,637	138,019	12.8%
Nevada	6,996	102,241	6.8%
Orange	771,118	3,186,999	24.2%
Placer	12,627	404,739	3.1%
Plumas	0	19,789	0.0%
Riverside	771,388	2,418,184	31.9%
Sacramento	414,267	1,585,054	26.1%
San Benito	4,463	64,211	7.0%

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
San Bernardino	860,408	2,181,654	39.4%
San Diego	711,586	3,298,644	21.6%
San Francisco	90,211	873,964	10.3%
San Joaquin	305,191	779,231	39.2%
San Luis Obispo	0	282,427	0.0%
San Mateo	58,741	764,438	7.7%
Santa Barbara	122,539	448,226	27.3%
Santa Clara	217,303	1,936,253	11.2%
Santa Cruz	62,705	270,863	23.2%
Shasta	26,050	182,158	14.3%
Sierra	0	3,236	0.0%
Siskiyou	9,371	44,077	21.3%
Solano	75,995	453,492	16.8%
Sonoma	60,919	488,863	12.5%
Stanislaus	242,468	552,876	43.9%
Sutter	43,611	99,632	43.8%
Tehama	37,594	65,828	57.1%
Trinity	0	16,112	0.0%
Tulare	329,496	473,120	69.6%
Tuolumne	0	55,620	0.0%
Ventura	178,965	843,843	21.2%
Yolo	63,820	216,404	29.5%
Yuba	35,843	81,575	43.9%
Total	**12,023,566**	**39,538,232**	**30.4%**

Risk Assessment Results: Buildable Lands by County [No Hazards]

County	Total Acres of Buildable Lands
Alameda	83,922
Alpine	50,861
Amador	97,686
Butte	88,320
Calaveras	124,320
Colusa	39,975
Contra Costa	28,731
Del Norte	10,802
El Dorado	184,442
Fresno	51,792
Glenn	2,085
Humboldt	78,482
Imperial	710,020
Inyo	246,441
Kern	1,014,386
Kings	8,907
Lake	82,544
Lassen	180,689
Los Angeles	911,564
Madera	41,190
Marin	24,696
Mariposa	228,533
Mendocino	855,474
Merced	12,030
Modoc	2,853
Mono	130,547
Monterey	92,667
Napa	169,772
Nevada	146,358
Orange	151,777
Placer	122,653

County	Total Acres of Buildable Lands
Plumas	60,257
Riverside	1,065,179
Sacramento	75,501
San Benito	8,877
San Bernardino	1,734,287
San Diego	522,630
San Francisco	4,245
San Joaquin	28,214
San Luis Obispo	733,458
San Mateo	32,801
Santa Barbara	28,657
Santa Clara	43,054
Santa Cruz	40,770
Shasta	381,315
Sierra	35,361
Siskiyou	508,754
Solano	55,831
Sonoma	57,738
Stanislaus	14,179
Sutter	2,369
Tehama	84,053
Trinity	116,464
Tulare	6,847
Tuolumne	70,255
Ventura	31,804
Yolo	40,856
Yuba	30,685
Total	**11,788,962**

Risk Assessment Results: Critical Facilities Count by County [No Hazards]

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	6	18	2	2	3	11	**42**
Alpine	0	0	0	0	0	0	0	**0**
Amador	0	0	0	0	0	0	0	**0**
Butte	0	4	0	1	0	0	0	**5**
Calaveras	0	0	1	0	0	0	0	**1**
Colusa	0	3	0	4	0	0	0	**7**
Contra Costa	0	15	7	5	3	1	5	**36**
Del Norte	0	0	0	0	0	1	0	**1**
El Dorado	0	0	0	0	0	0	0	**0**
Fresno	0	7	17	5	1	2	0	**32**
Glenn	0	0	0	1	0	0	0	**1**
Humboldt	0	1	0	0	0	1	1	**3**
Imperial	0	5	7	1	0	0	3	**16**
Inyo	0	1	5	0	0	0	0	**6**
Kern	0	14	12	3	0	1	2	**32**
Kings	0	1	8	0	0	0	0	**9**
Lake	0	1	0	0	0	0	0	**1**
Lassen	0	0	0	0	0	0	0	**0**
Los Angeles	13	43	36	12	10	5	39	**158**
Madera	0	1	0	0	0	0	0	**1**
Marin	0	0	0	0	1	0	2	**3**
Mariposa	0	0	0	0	0	0	0	**0**
Mendocino	1	0	0	0	0	0	0	**1**
Merced	0	3	6	0	0	0	0	**9**
Modoc	0	1	0	0	0	0	0	**1**
Mono	0	0	3	0	0	0	0	**3**
Monterey	0	2	2	0	0	1	0	**5**
Napa	0	0	0	0	1	0	0	**1**
Nevada	0	0	0	0	0	0	0	**0**
Orange	0	4	11	2	4	3	3	**27**

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Placer	0	0	1	1	0	1	1	**4**
Plumas	0	0	0	0	0	0	0	**0**
Riverside	3	10	17	4	1	1	1	**37**
Sacramento	5	7	4	2	3	6	3	**30**
San Benito	0	0	0	0	0	0	0	**0**
San Bernardino	0	16	18	1	3	2	6	**46**
San Diego	3	8	24	0	9	3	26	**73**
San Francisco	2	0	3	0	3	1	10	**19**
San Joaquin	1	2	9	3	0	1	4	**20**
San Luis Obispo	4	4	4	0	1	2	0	**15**
San Mateo	0	1	8	0	2	1	4	**16**
Santa Barbara	0	1	1	1	0	1	0	**4**
Santa Clara	10	3	4	0	2	2	3	**24**
Santa Cruz	0	0	0	0	0	0	0	**0**
Shasta	0	5	0	0	0	1	2	**8**
Sierra	0	0	0	0	0	0	0	**0**
Siskiyou	0	1	0	0	0	0	0	**1**
Solano	0	3	8	1	0	2	2	**16**
Sonoma	0	0	0	0	0	1	0	**1**
Stanislaus	0	0	5	4	0	1	0	**10**
Sutter	0	1	1	1	0	0	0	**3**
Tehama	0	1	1	0	0	0	0	**2**
Trinity	0	0	0	0	0	0	0	**0**
Tulare	0	0	3	0	1	1	0	**5**
Tuolumne	0	0	7	0	0	0	0	**7**
Ventura	0	1	4	0	0	1	1	**7**
Yolo	0	0	2	2	0	0	2	**6**
Yuba	0	0	0	0	0	0	0	**0**
Total	**42**	**176**	**257**	**56**	**47**	**46**	**131**	**755**

Risk Assessment Results: Critical Facilities Economic Loss by County [No Hazards]

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	$2.2 billion to greater than $4.0 billion	$5.9 billion to greater than $10.2 billion	$200.0 million to $1.0 billion	$1.1 billion to greater than $1.5 billion	$1.0 billion to $2.1 billion	$3.3 billion to greater than $5.9 billion
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	$2.1 billion to greater than $2.6 billion	-	$100.0 million to $500.0 million	-	-	-
Calaveras	-	-	$100.0 million to $500.0 million	-	-	-	-
Colusa	-	$300.0 million to $1.5 billion	-	$220.0 million to $1.2 billion	-	-	-
Contra Costa	-	$6.3 billion to greater than $10.1 billion	$520.0 million to $2.7 billion	$1.3 billion to greater than $2.6 billion	$3.0 billion to greater than $3.0 billion	$0 to $10.0 million	$1.6 billion to greater than $2.7 billion
Del Norte	-	-	-	-	-	$10.0 million to $100.0 million	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	$4.2 billion to greater than $6.0 billion	$1.7 billion to $7.3 billion	$320.0 million to $1.7 billion	$1.0 billion to greater than $1.0 billion	$10.0 million to $110.0 million	-
Glenn	-	-	-	$10.0 million to $100.0 million	-	-	-
Humboldt	-	$10.0 million to $100.0 million	-	-	-	$0 to $10.0 million	$100.0 million to $500.0 million
Imperial	-	$2.2 billion to greater than $3.1 billion	$1.2 billion to greater than $2.2 billion	$10.0 million to $100.0 million	-	-	$1.1 billion to $2.5 billion
Inyo	-	$100.0 million to $500.0 million	$2.1 billion to greater than $3.5 billion	-	-	-	-
Kern	-	$7.6 billion to greater than $11.0 billion	$780.0 million to $2.8 billion	$210.0 million to $1.1 billion	-	$0 to $10.0 million	$20.0 million to $200.0 million

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Kings	-	$100.0 million to $500.0 million	$1.2 billion to $3.4 billion	-	-	-	-
Lake	-	$10.0 million to $100.0 million	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	$3.0 billion to greater than $6.9 billion	$22.0 billion to greater than $33.7 billion	$7.0 billion to greater than $17.2 billion	$750.0 million to $4.0 billion	$8.1 billion to greater than $8.6 billion	$230.0 million to $1.3 billion	$7.8 billion to greater than $18.8 billion
Madera	-	$100.0 million to $500.0 million	-	-	-	-	-
Marin	-	-	-	-	$10.0 million to $100.0 million	-	$1.0 billion to greater than $1.1 billion
Mariposa	-	-	-	-	-	-	-
Mendocino	$100.0 million to $500.0 million	-	-	-	-	-	-
Merced	-	$1.1 billion to greater than $1.6 billion	$820.0 million to $2.7 billion	-	-	-	-
Modoc	-	$100.0 million to $500.0 million	-	-	-	-	-
Mono	-	-	$1.5 billion to greater than $2.1 billion	-	-	-	-
Monterey	-	$1.1 billion to greater than $1.5 billion	$600.0 million to $1.5 billion	-	-	$10.0 million to $100.0 million	-
Napa	-	-	-	-	$500.0 million to $1.0 billion	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	$310.0 million to $1.6 billion	$3.4 billion to greater than $6.3 billion	$200.0 million to $1.0 billion	$1.0 billion to greater than $1.2 billion	$20.0 million to $210.0 million	$210.0 million to $1.1 billion
Placer	-	-	$1.0 billion to greater than $1.0 billion	$10.0 million to $100.0 million	-	$100.0 million to $500.0 million	$10.0 million to $100.0 million
Plumas	-	-	-	-	-	-	-

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Riverside	$300.0 million to $1.5 billion	$5.4 billion to greater than $8.0 billion	$1.5 billion to greater than $4.1 billion	$220.0 million to $1.2 billion	$10.0 million to $100.0 million	$10.0 million to $100.0 million	$10.0 million to $100.0 million
Sacramento	$1.1 billion to greater than $1.8 billion	$430.0 million to $2.3 billion	$710.0 million to $2.1 billion	$110.0 million to $600.0 million	$1.0 billion to greater than $1.2 billion	$230.0 million to $1.3 billion	$610.0 million to $1.6 billion
San Benito	-	-	-	-	-	-	-
San Bernardino	-	$6.0 billion to greater than $11.0 billion	$4.3 billion to greater than $7.1 billion	$10.0 million to $100.0 million	$2.0 billion to greater than $2.0 billion	$100.0 million to $510.0 million	$240.0 million to $1.4 billion
San Diego	$1.1 billion to greater than $1.6 billion	$1.5 billion to greater than $3.7 billion	$1.8 billion to $6.8 billion	-	$8.1 billion to greater than $8.5 billion	$30.0 million to $300.0 million	$7.6 billion to greater than $16.9 billion
San Francisco	$600.0 million to $1.5 billion	-	$520.0 million to $1.2 billion	-	$2.0 billion to greater than $2.1 billion	$10.0 million to $100.0 million	$6.8 billion to greater than $8.5 billion
San Joaquin	$100.0 million to $500.0 million	$1.5 billion to greater than $2.0 billion	$1.6 billion to $3.9 billion	$300.0 million to $1.5 billion	-	$100.0 million to $500.0 million	$1.0 billion to greater than $1.3 billion
San Luis Obispo	$1.6 billion to $3.5 billion	$3.1 billion to greater than $3.5 billion	$40.0 million to $400.0 million	-	$1.0 billion to greater than $1.0 billion	$110.0 million to $600.0 million	-
San Mateo	-	$10.0 million to $100.0 million	$1.8 billion to greater than $3.8 billion	-	$1.0 billion to greater than $1.1 billion	$100.0 million to $500.0 million	$2.2 billion to greater than $3.0 billion
Santa Barbara	-	$1.0 billion to greater than $1.0 billion	$10.0 million to $100.0 million	$100.0 million to $500.0 million	-	$100.0 million to $500.0 million	-
Santa Clara	$1.2 billion to $4.7 billion	$210.0 million to $1.1 billion	$1.1 billion to greater than $1.7 billion	-	$2.0 billion to greater than $2.0 billion	$20.0 million to $200.0 million	$1.1 billion to greater than $1.6 billion
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	$1.4 billion to greater than $3.0 billion	-	-	-	$10.0 million to $100.0 million	$200.0 million to $1.0 billion
Sierra	-	-	-	-	-	-	-

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Siskiyou	-	$10.0 million to $100.0 million	-	-	-	-	-
Solano	-	$2.1 billion to greater than $2.5 billion	$740.0 million to $2.4 billion	$10.0 million to $100.0 million	-	$10.0 million to $110.0 million	$1.1 billion to greater than $1.5 billion
Sonoma	-	-	-	-	-	$0 to $10.0 million	-
Stanislaus	-	-	$1.6 billion to greater than $2.7 billion	$220.0 million to $1.2 billion	-	$10.0 million to $100.0 million	-
Sutter	-	$100.0 million to $500.0 million	$100.0 million to $500.0 million	$10.0 million to $100.0 million	-	-	-
Tehama	-	$100.0 million to $500.0 million	$100.0 million to $500.0 million	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	$300.0 million to $1.5 billion	-	$1.0 billion to greater than $1.0 billion	$10.0 million to $100.0 million	-
Tuolumne	-	-	$3.3 billion to greater than $5.5 billion	-	-	-	-
Ventura	-	$100.0 million to $500.0 million	$40.0 million to $400.0 million	-	-	$10.0 million to $100.0 million	$1.0 billion to greater than $1.0 billion
Yolo	-	-	$1.1 billion to greater than $1.5 billion	$20.0 million to $200.0 million	-	-	$600.0 million to $1.5 billion
Yuba	-	-	-	-	-	-	-

Appendix H. **Hazard Impact Rating**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

H. HAZARD IMPACT RATING

A hazard impact rating was performed for the hazards of concern described in this Plan following the fundamental definition of risk:

Probability x Impact = Risk

This impact rating assesses such factors as:

- **Probability** – The probability of each hazard's occurrence
- **Impact on Assets** – The likely impact on the State-owned or -leased assets which are critical lifelines to the State's capability to respond and recover from hazard events
- **Impact on People** – The population exposed (both total population and the population of equity priority communities)
- **Future Impacts** – The potential for the expansion of risk due to buildable lands and future impacts from the hazard due to climate change

This impact rating was conducted using a combination of quantitative and qualitative data on each hazard for these selected metrics. Metrics are the quantifiable measures that are used to compare and assess the identified impacts of each hazard. The impacts to each hazard were rated as high, medium, or low based on parameters established by the State Hazard Mitigation Plan (SHMP) planning team. These impacts are then multiplied by the probability factor to generate the hazard impact rating for each hazard. The quantitative analysis aspect of this exercise was limited to hazards with a clearly defined extent and location. For other hazards, a more qualitative approach was applied. For example, a hazard that does not have a clearly defined extent and location like air pollution, exposure cannot be differentiated based on a clear "in-or-out" assessment. In this case, rankings were assigned qualitatively based on assumptions on impacts the hazard might have on the metrics identified (State-owned or -leased facilities, lifelines, population, etc.).

H.1. FREQUENCY OF OCCURRENCE

A significant factor in determining "risk" is how often a hazard event has happened or is likely to happen. This is referred to as the frequency of occurrence. Some hazards will have a rich history of past events to help establish the metrics for this factor, while

other hazards that may not have a rich history, may have studies or analytics that have established probabilities for occurrence (e.g., the 100-year floodplain or 100-year probabilistic earthquake). Timeframe values have been identified to set the metrics for a hazard's frequency of occurrence as shown in Table H-1. Values for each hazard were based on historical occurrence data, or probabilistic data that may be available for a given hazard. Figure H-1 shows probability factors for each hazard.

Table H-1. Probability of Occurrence

Probability	Occurrence	Probability Factor
High	Hazard event likely to occur within 25 years	3
Medium	Hazard event likely to occur within 100 years	2
Low	Hazard event is not likely to occur within 100 years	1
No exposure	There is no probability of occurrence	0

H.2. IMPACT ON ASSETS

H.2.1. State-Owned or -Leased Assets

Values were assigned based on the percentage of the total replacement cost value (RCV) for State-owned or -leased assets exposed to the hazard. The basis for this value is a spatial evaluation of the RCV of assets exposed to each hazard compared to the total RCV of all assets. For example, if there are 50 State-owned or -leased facilities located with the 100-year floodplain that have an aggregate RCV of $50 million, and that $50 million represents 17 percent of the aggregate RCV for all State-owned or -leased facilities, the metric assigned for the impact flood on State-owned or -leased facilities would be "medium". This assessment makes no determination of the importance of each asset. All assets have been weighted equally. Impact factors were assigned as shown in Table H-2. Hazard impacts are shown in Figure H-2.

Table H-2. Impact Factors for State-Owned or -Leased Assets

Impact	Percentage	Impact Factor
High	≥30% of the total RCV for State-owned or- leased facilities exposed to a hazard	3
Medium	15 – 29% of total RCV for State-owned or -leased facilities exposed to hazard	2
Low	≤14% of the total RCV for State-owned or -leased facilities exposed to a hazard	1
No Impact	Hazard is not likely to impact State-owned or -leased facilities	0

Figure H-1. Probability Factors for Hazards of Concern

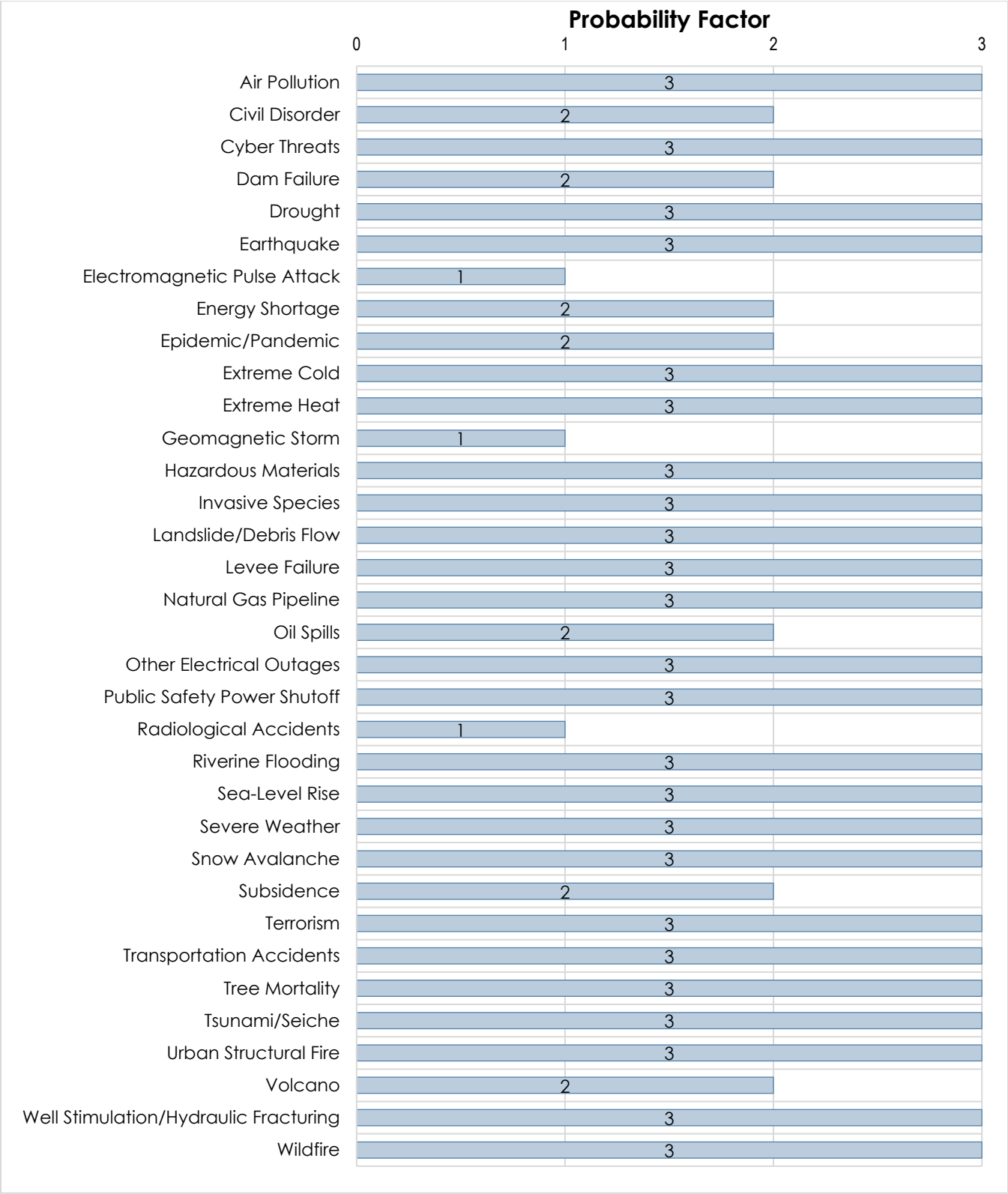
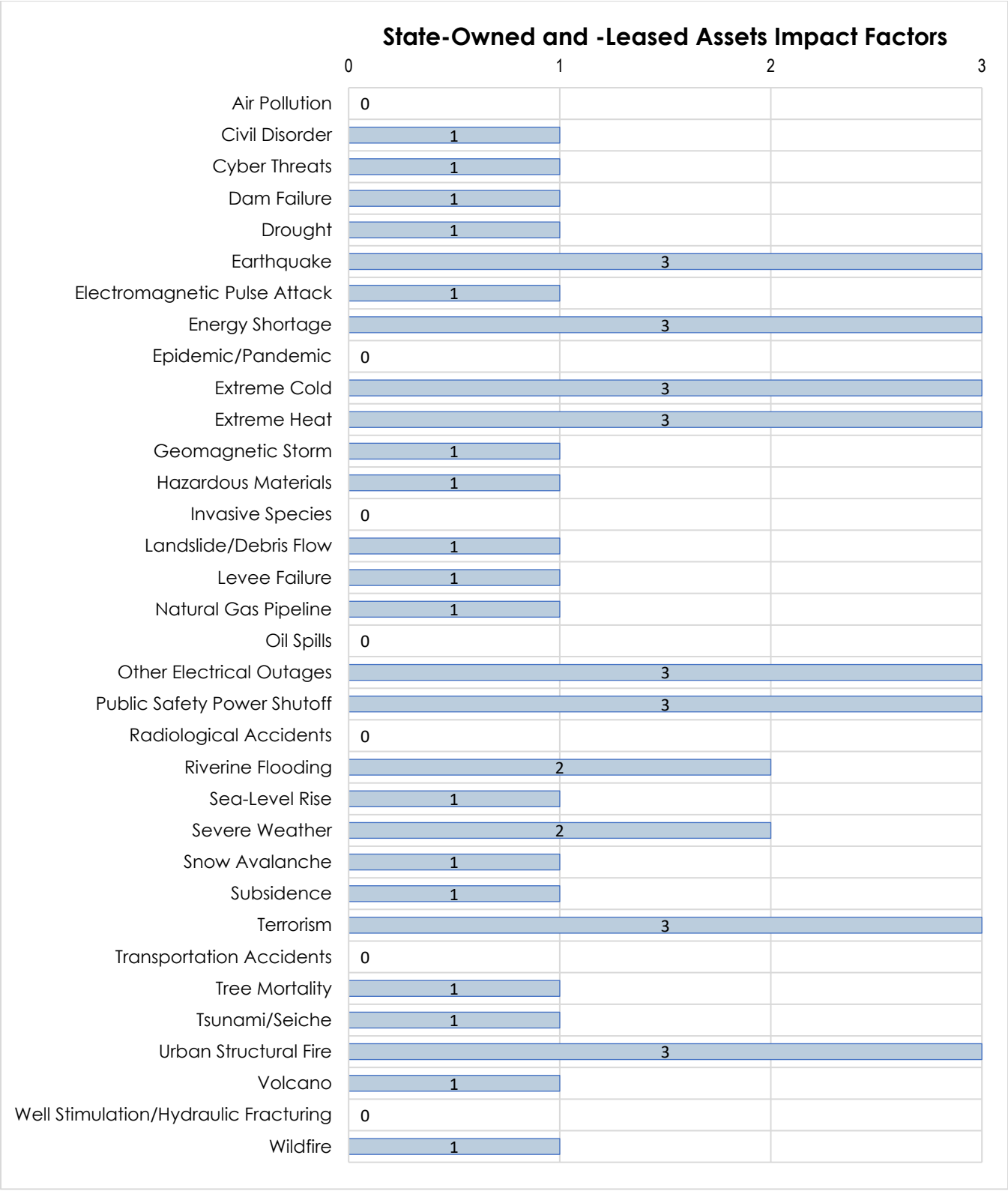


Figure H-2. State-Owned or -Leased Assets Factors for Hazards of Concern



H.2.2. Lifelines

Values were assigned based on raw count of identified lifelines exposed to the hazard. The basis for this value is a spatial evaluation of the location of lifelines relative to the extent and location of the hazard. For example, if there are 100 lifelines located with the severe wildfire severity zones that have an aggregate RCV of $20 million, and that $20 million represents 8 percent of the aggregate RCV for all lifelines in the State, the metric assigned for the impact of wildfire on lifelines would be "low". This assessment makes no determination of the importance of each category of lifeline. All lifelines have been weighted equally. Impact factors were assigned as shown in Table H-3. Hazard impacts are shown in Figure H-3.

Table H-3. Impact Factor for Lifelines

Impact	Percentage	Impact Factor
High	≥30% or more of total Lifelines exposed to a hazard	3
Medium	15 – 29% of total Lifelines exposed to hazard	2
Low	≤14% of the total Lifelines exposed to a hazard	1
No Impact	None of the Lifelines are exposed to a hazard	0

H.3. IMPACT ON PEOPLE

H.3.1. Total Population

Values were assigned based on the percentage of the total population exposed to the hazard event in comparison to the entire population of the State. For those hazards that have a clearly defined extent and location (e.g., flood, dam failure), the population exposed is that population within the identified zone. The degree of impact on individuals will vary and is not accurately measurable. For simplicity and consistency, the calculation assumes that all people, because they live in a hazard zone, will be exposed to the hazard and will be equally impacted when a hazard event occurs. Impact factors were assigned as shown in Table H-4. Hazard impacts are shown in Figure H-4.

Table H-4. Impact Factor for Total Population

Impact	Percentage	Impact Factor
High	≥50% or more of the population is exposed to a hazard	3
Medium	25 – 49% of the population is exposed to hazard	2
Low	≤25% of the population is exposed to a hazard	1
No Impact	None of the population is exposed to a hazard	0

Figure H-3. Lifeline Factors for Hazards of Concern

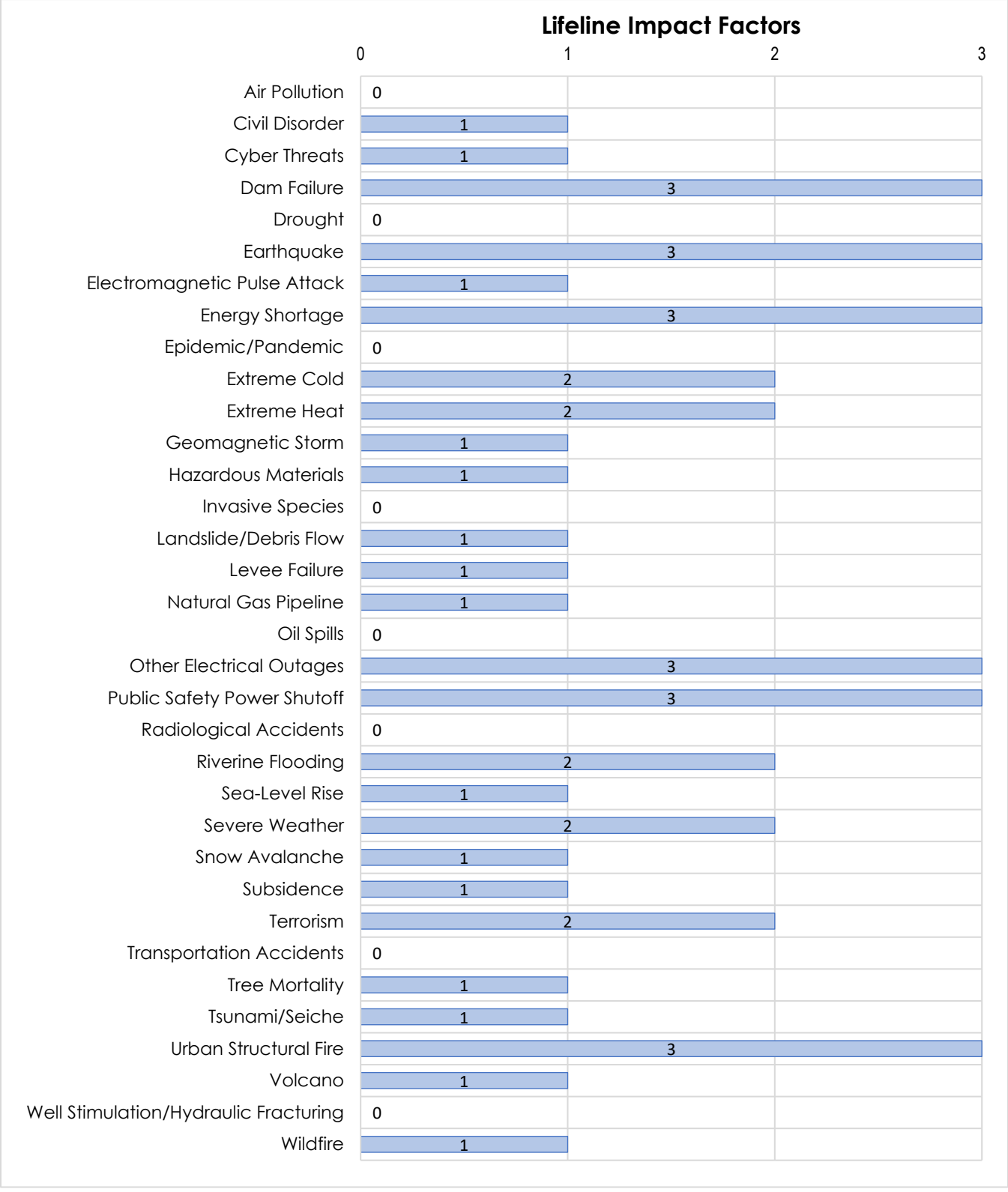
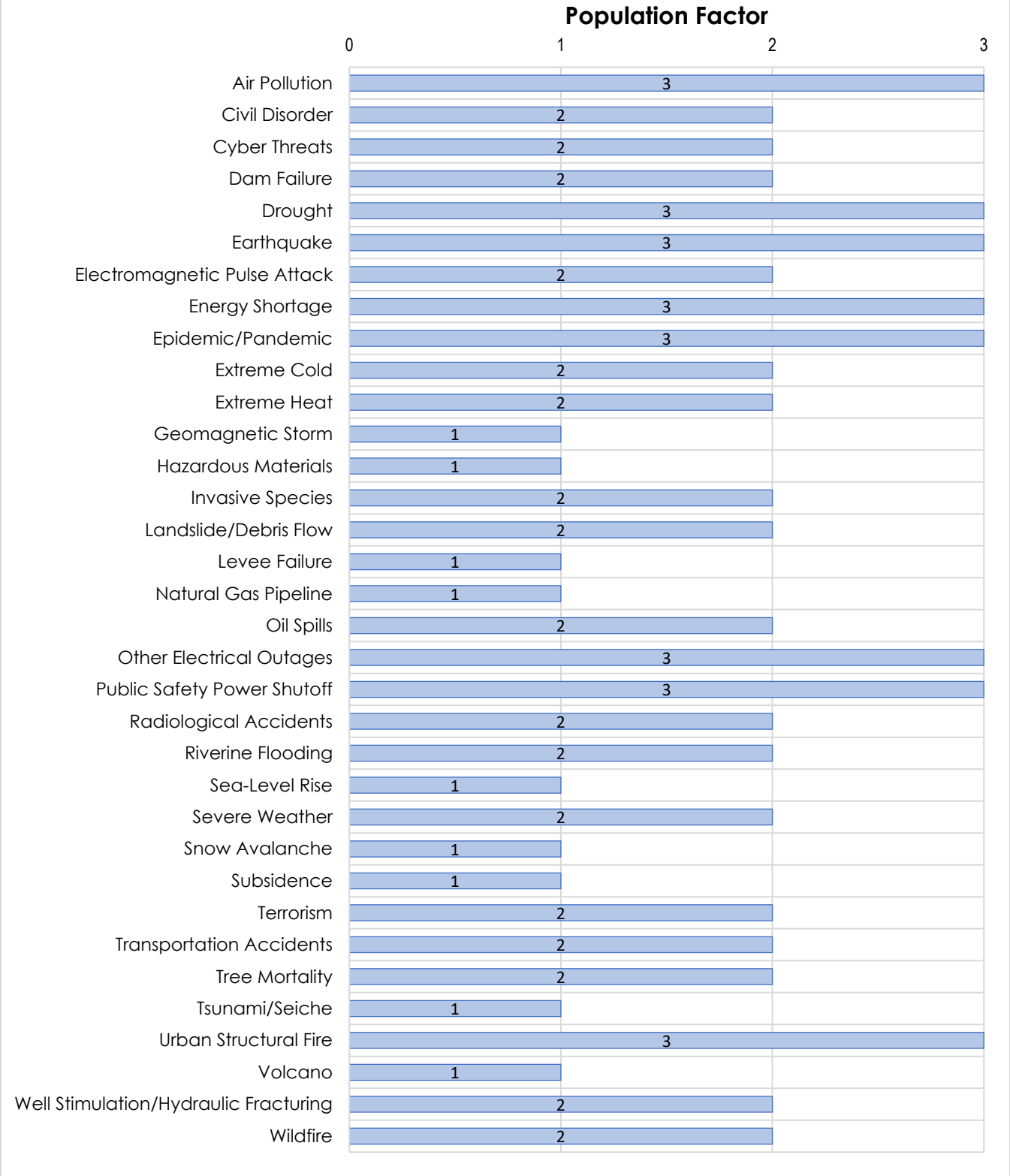


Figure H-4. Population Factors for Hazards of Concern



H.3.2. Equity Priority Population

Values were based on the percentage of the population identified as an equity priority population exposed to the hazard event. For those hazards that have a clearly defined extent and location (e.g., flood, dam failure), the population exposed is that population within the identified zone. The impact on individuals will vary and is not accurately measurable. The calculation assumes that all people in the equity priority population, because they live in a defined hazard zone, are exposed to the hazard and equally impacted when a hazard event occurs. Impact factors were assigned as shown in Table H-5. Hazard impacts are shown in Figure H-5.

Table H-5. Impact Factor for Equity Priority Population

Impact	Percentage	Impact Factor
High	≥30% or more of the population is exposed to a hazard	3
Medium	15 – 29% of the population is exposed to hazard	2
Low	≤14% of the population is exposed to a hazard	1
No Impact	None of the population is exposed to a hazard	0

H.4. FUTURE IMPACTS

H.4.1. Buildable Lands

This category considers how the risk from the hazard could increase because of future development. Values were assigned based on the percentage of the buildable lands within the hazard area compared to the total area of buildable lands within the State. For this SHMP planning effort and "buildable land" is any parcel that is currently undeveloped that could be developed in the future due to current land use regulations that apply to the parcel. This could be residential, commercial, or industrial zoning. Calculations were based on a spatial analysis of the intersection between lands identified as "buildable" and the extent and location of the hazard. Impact factors were assigned as shown in Table H-6. Hazard impacts are shown in Figure H-6.

Table H-6. Impact Factor for Buildable Lands

Impact	Percentage	Impact Factor
High	≥15% or more of the buildable land is exposed to a hazard	3
Medium	7 – 14% of the buildable land is exposed to hazard	2
Low	≤6% of the buildable land is exposed to a hazard	1
No Impact	None of the buildable land is exposed to a hazard	0

Figure H-5. Equity Priority Community Factors for Hazards of Concern

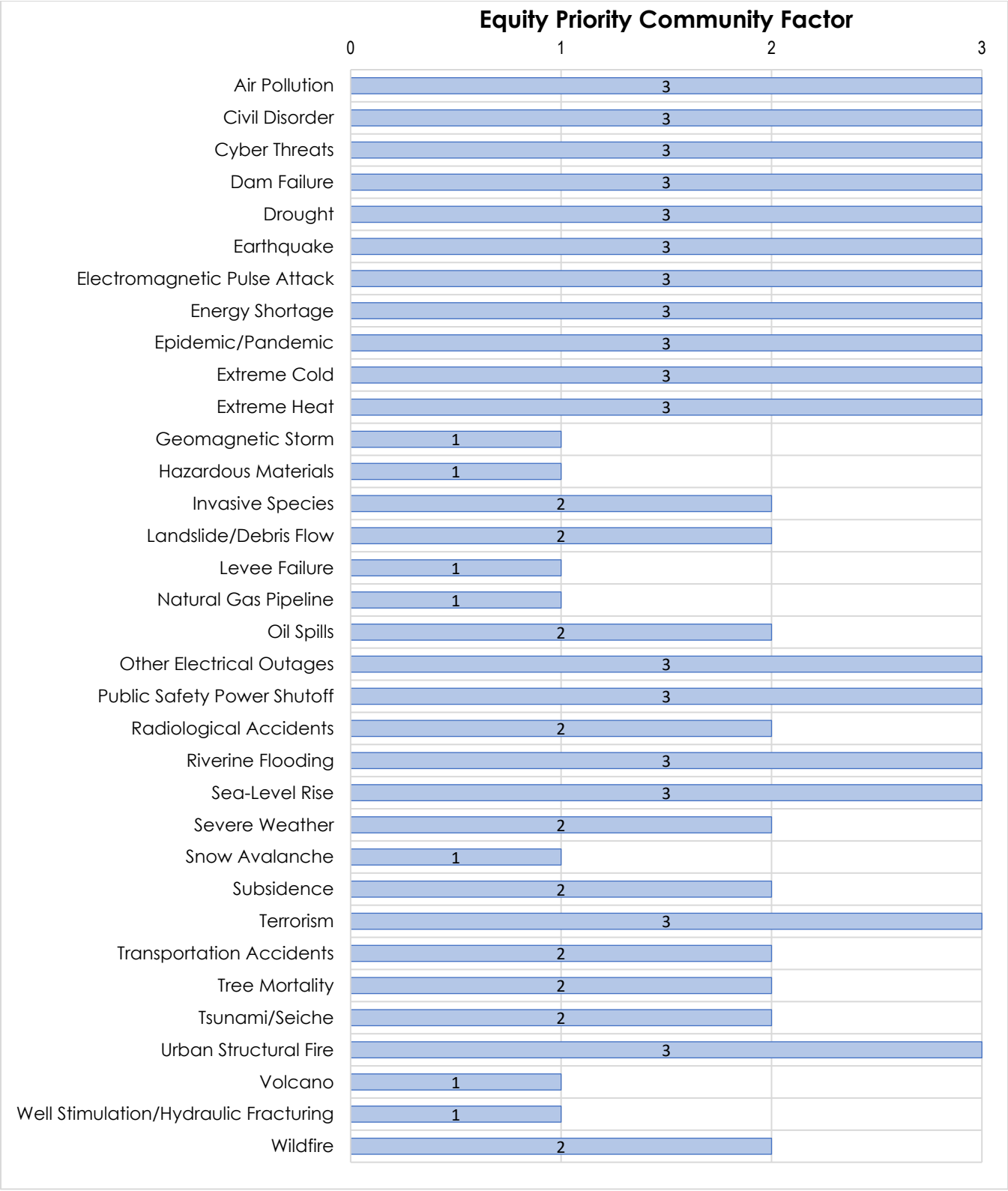
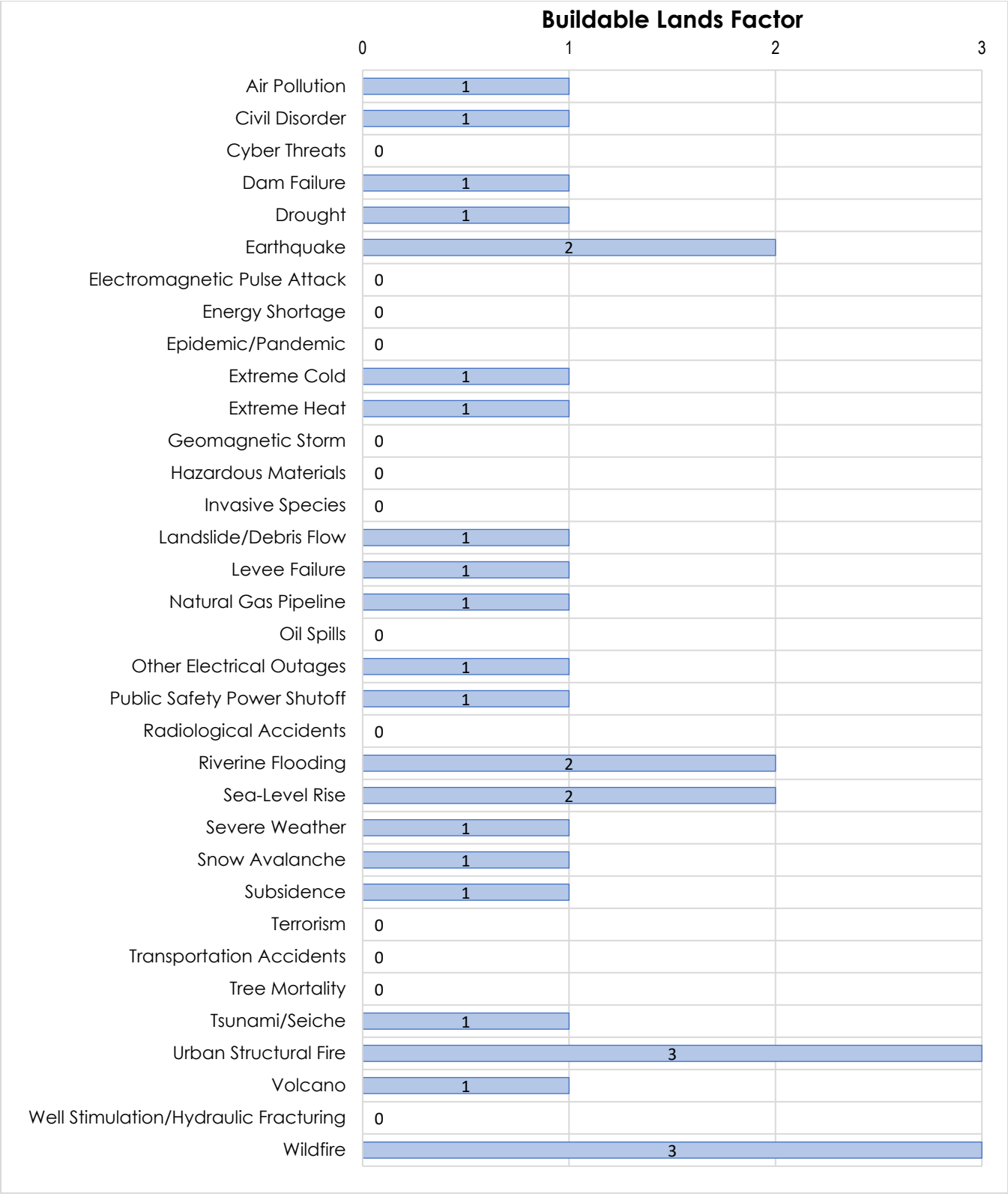


Figure H-6. Buildable Land Factors for Hazards of Concern



H.5. CLIMATE CHANGE

Using current data and projected models, the analysis for this category was based on the anticipated impacts that the changing climate will have on increasing the frequency, severity, and extent of each hazard assessed. Impact factors were assigned as shown in Table H-7. Hazard impacts are shown in Figure H-7.

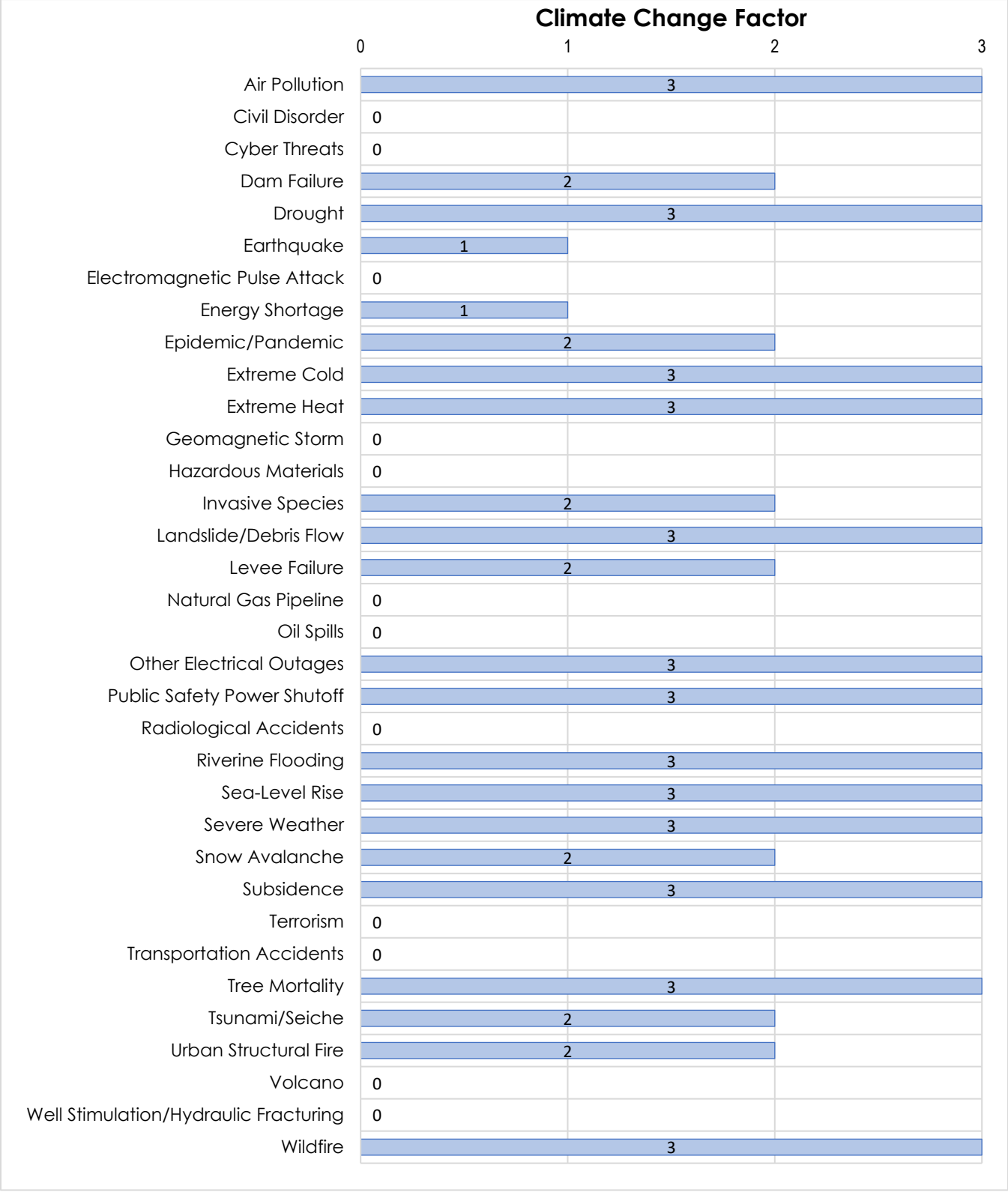
Table H-7. Impact Factor for Climate Change

Impact	Percentage	Impact Factor
High	Measurable impacts to frequency, severity and extent of the hazard are likely to increase measurably within the next 30 years	3
Medium	Measurable impacts to frequency, severity and extent of the hazard are likely to increase measurably in greater than 50 years	2
Low	Measurable impacts to frequency, severity and extent of the hazard are likely to increase in greater than 50 years.	1
None	Climate change is not anticipated to have any impact on the hazard	0

H.6. HAZARD IMPACT RATING

As noted in Chapter 4, section 4.1.3 of the base SHMP, the State has segregated the Risk Assessment into two categories: natural hazards of interest and other hazards of interest. The primary driver for the decision to separate these hazards is to clearly establish for local planning efforts in the State which hazards should be considered the baseline hazards and which hazards could be considered as optional. As stated in chapter 4, none of these hazards are considered to be binding on local planning efforts within the State. Each local planning effort should determine the hazards of concern to be addressed for their plans through a planning process. The role of the SHMP is to provide guidance and alternatives to support these planning processes.

Figure H-7. Climate Change Factors for Hazards of Concern



H.6.1. Hazard Impact Rating for Natural Hazards of Interest

The hazard impact rating for each natural hazard of interest was determined by multiplying the probability factor by the sum of the impact factors for State-owned or -leased facilities, lifelines, total population, equity priority community population, buildable lands, and climate change as summarized in Figure H-8.

The hazards that ranked as being of **highest** concern are listed below and color-coded in red:

- Earthquake
- Riverine, Stream, and Alluvial Flooding
- Extreme Heat
- Extreme Cold or Freeze
- Wildfire
- Severe Wind, Weather, and Storms
- Sea-Level Rise, Coastal Flooding, and Erosion
- Landslide, Debris Flow, and Other Mass Movements

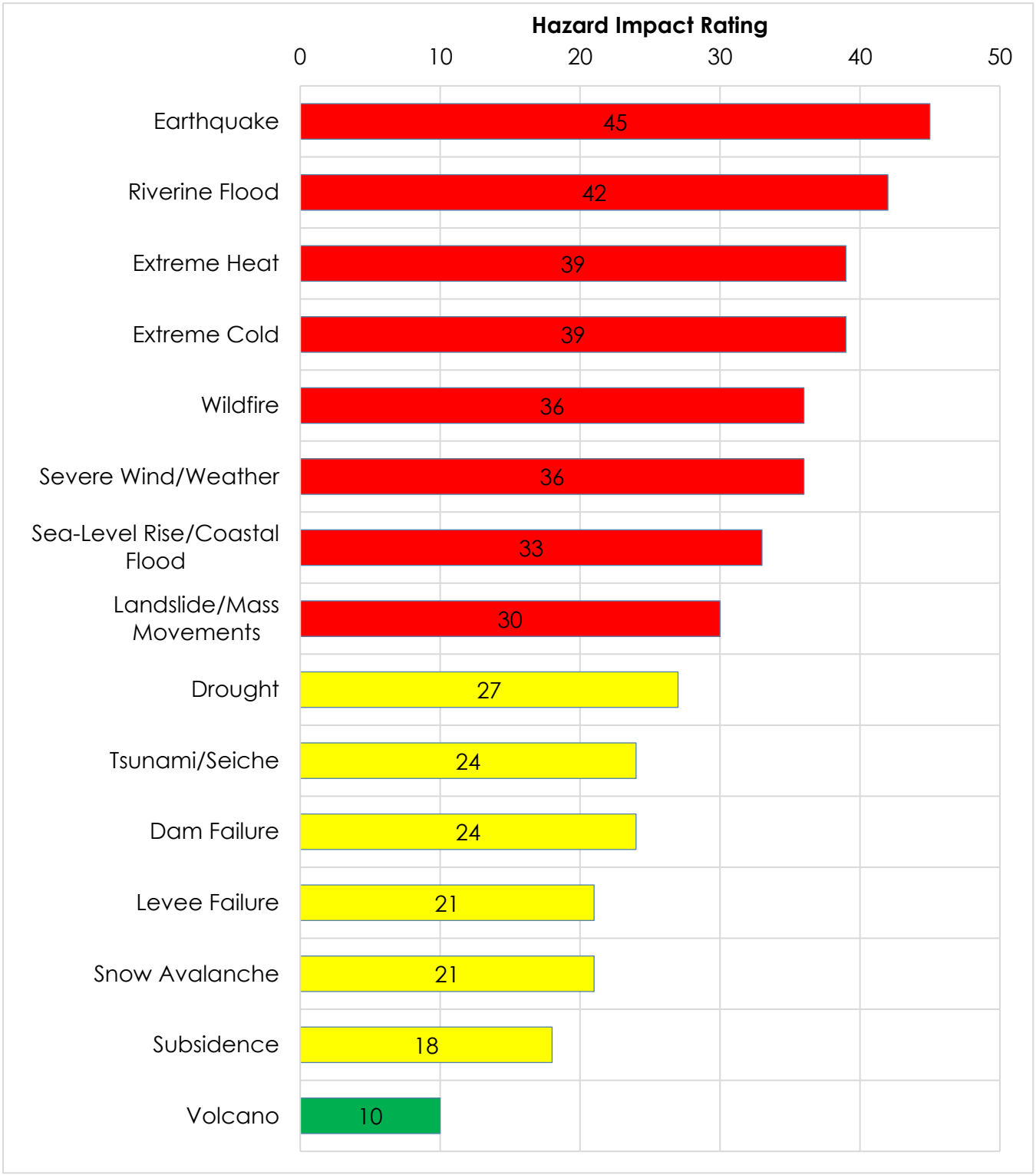
The hazards that ranked as being of **medium** concern are listed below and color-coded in yellow:

- Drought
- Tsunami and Seiche
- Dam Failure
- Levee Failure
- Snow Avalanche
- Subsidence

The hazards that ranked as being of **lowest** concern are listed below and color-coded in green:

- Volcano

Figure H-8. Total Hazard Impact Rating for Natural Hazards of Concern



H.7. HAZARD IMPACT RATING FOR OTHER HAZARDS OF INTEREST

The hazard impact rating for each other hazard of interest was determined by multiplying the probability factor by the sum of the impact factors for State-owned or -leased facilities, lifelines, total population, equity priority community population, buildable lands and climate change as summarized in Figure H-9.

The hazards that ranked as being of **highest** concern are listed below and color-coded in red:

- Urban Structural Fire
- Other Potential Causes of Long-Term Electrical Outage
- Public Safety Power Shutoff (PSPS)
- Terrorism
- Air Pollution

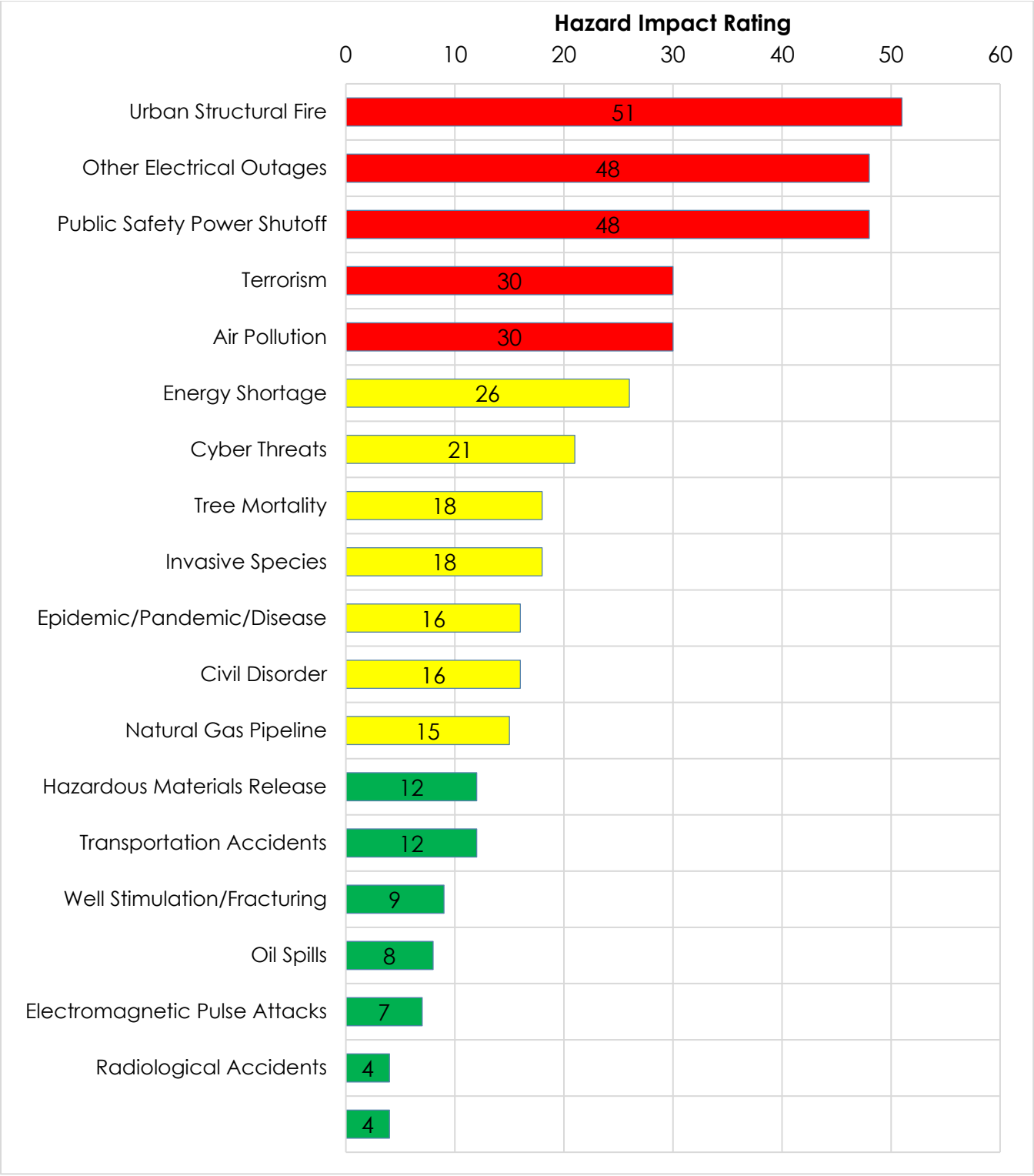
The hazards that ranked as being of **medium** concern are listed below and color-coded in yellow:

- Energy Shortage
- Cyber Threats
- Tree Mortality
- Invasive and Nuisance Species
- Epidemic, Pandemic, and Vector-Borne Disease
- Civil Disorder
- Natural Gas Pipeline Hazards

The hazards that ranked as being of **lowest** concern are listed below and color-coded in green:

- Hazardous Materials Release
- Transportation Accidents Resulting in Explosions or Toxic Releases
- Well Stimulation and Hydraulic Fracturing
- Oil Spills
- Electromagnetic Pulse Attack
- Radiological Accidents
- Geomagnetic Storms (Space Weather)

Figure H-9. Total Hazard Impact Rating for Other Hazards of Interest



Appendix I. **Risk Analysis Results**



Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

Inventory of Existing Facilities

Risk Analysis Results – No Hazard – Buildable Lands by County

County	Total Acres of Buildable Lands
Alameda	83,922
Alpine	50,861
Amador	97,686
Butte	88,320
Calaveras	124,320
Colusa	39,975
Contra Costa	28,731
Del Norte	10,802
El Dorado	184,442
Fresno	51,792
Glenn	2,085
Humboldt	78,482
Imperial	710,020
Inyo	246,441
Kern	1,014,386
Kings	8,907
Lake	82,544
Lassen	180,689
Los Angeles	911,564
Madera	41,190
Marin	24,696
Mariposa	228,533
Mendocino	855,474
Merced	12,030
Modoc	2,853
Mono	130,547
Monterey	92,667
Napa	169,772
Nevada	146,358
Orange	151,777

Risk Analysis Results – No Hazard – Buildable Lands by County

County	Total Acres of Buildable Lands
Placer	122,653
Plumas	60,257
Riverside	1,065,179
Sacramento	75,501
San Benito	8,877
San Bernardino	1,734,287
San Diego	522,630
San Francisco	4,245
San Joaquin	28,214
San Luis Obispo	733,458
San Mateo	32,801
Santa Barbara	28,657
Santa Clara	43,054
Santa Cruz	40,770
Shasta	381,315
Sierra	35,361
Siskiyou	508,754
Solano	55,831
Sonoma	57,738
Stanislaus	14,179
Sutter	2,369
Tehama	84,053
Trinity	116,464
Tulare	6,847
Tuolumne	70,255
Ventura	31,804
Yolo	40,856
Yuba	30,685
Total	11,788,962

Risk Analysis Results – No Hazard – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	6	18	2	2	3	11	42
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	4	0	1	0	0	0	5
Calaveras	0	0	1	0	0	0	0	1
Colusa	0	3	0	4	0	0	0	7
Contra Costa	0	15	7	5	3	1	5	36
Del Norte	0	0	0	0	0	1	0	1
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	7	17	5	1	2	0	32
Glenn	0	0	0	1	0	0	0	1
Humboldt	0	1	0	0	0	1	1	3
Imperial	0	5	7	1	0	0	3	16
Inyo	0	1	5	0	0	0	0	6
Kern	0	14	12	3	0	1	2	32
Kings	0	1	8	0	0	0	0	9
Lake	0	1	0	0	0	0	0	1
Lassen	0	0	0	0	0	0	0	0
Los Angeles	13	43	36	12	10	5	39	158
Madera	0	1	0	0	0	0	0	1
Marin	0	0	0	0	1	0	2	3
Mariposa	0	0	0	0	0	0	0	0
Mendocino	1	0	0	0	0	0	0	1
Merced	0	3	6	0	0	0	0	9
Modoc	0	1	0	0	0	0	0	1
Mono	0	0	3	0	0	0	0	3
Monterey	0	2	2	0	0	1	0	5
Napa	0	0	0	0	1	0	0	1
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – No Hazard – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	4	11	2	4	3	3	27
Placer	0	0	1	1	0	1	1	4
Plumas	0	0	0	0	0	0	0	0
Riverside	3	10	17	4	1	1	1	37
Sacramento	5	7	4	2	3	6	3	30
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	16	18	1	3	2	6	46
San Diego	3	8	24	0	9	3	26	73
San Francisco	2	0	3	0	3	1	10	19
San Joaquin	1	2	9	3	0	1	4	20
San Luis Obispo	4	4	4	0	1	2	0	15
San Mateo	0	1	8	0	2	1	4	16
Santa Barbara	0	1	1	1	0	1	0	4
Santa Clara	10	3	4	0	2	2	3	24
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	5	0	0	0	1	2	8
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	1	0	0	0	0	0	1
Solano	0	3	8	1	0	2	2	16
Sonoma	0	0	0	0	0	1	0	1
Stanislaus	0	0	5	4	0	1	0	10
Sutter	0	1	1	1	0	0	0	3
Tehama	0	1	1	0	0	0	0	2
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	3	0	1	1	0	5
Tuolumne	0	0	7	0	0	0	0	7
Ventura	0	1	4	0	0	1	1	7
Yolo	0	0	2	2	0	0	2	6

Risk Analysis Results – No Hazard – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	42	176	257	56	47	46	131	755

Risk Analysis Results – No Hazard – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	$2.2 Billion to Greater Than $4.0 Billion	$5.9 Billion to Greater Than $10.2 Billion	$200.0 Million to $1.0 Billion	$1.1 Billion to Greater Than $1.5 Billion	$1.0 Billion to $2.1 Billion	$3.3 Billion to Greater Than $5.9 Billion
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	$2.1 Billion to Greater Than $2.6 Billion	-	$100.0 Million to $500.0 Million	-	-	-
Calaveras	-	-	$100.0 Million to $500.0 Million	-	-	-	-
Colusa	-	$300.0 Million to $1.5 Billion	-	$220.0 Million to $1.2 Billion	-	-	-
Contra Costa	-	$6.3 Billion to Greater Than $10.1 Billion	$520.0 Million to $2.7 Billion	$1.3 Billion to Greater Than $2.6 Billion	$3.0 Billion to Greater Than $3.0 Billion	$0 to $10.0 Million	$1.6 Billion to Greater Than $2.7 Billion
Del Norte	-	-	-	-	-	$10.0 Million to $100.0 Million	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	$4.2 Billion to Greater Than $6.0 Billion	$1.7 Billion to $7.3 Billion	$320.0 Million to $1.7 Billion	$1.0 Billion to Greater Than $1.0 Billion	$10.0 Million to $110.0 Million	-
Glenn	-	-	-	$10.0 Million to $100.0 Million	-	-	-

Risk Analysis Results – No Hazard – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Humboldt	-	$10.0 Million to $100.0 Million	-	-	-	$0 to $10.0 Million	$100.0 Million to $500.0 Million
Imperial	-	$2.2 Billion to Greater Than $3.1 Billion	$1.2 Billion to Greater Than $2.2 Billion	$10.0 Million to $100.0 Million	-	-	$1.1 Billion to $2.5 Billion
Inyo	-	$100.0 Million to $500.0 Million	$2.1 Billion to Greater Than $3.5 Billion	-	-	-	-
Kern	-	$7.6 Billion to Greater Than $11.0 Billion	$780.0 Million to $2.8 Billion	$210.0 Million to $1.1 Billion	-	$0 to $10.0 Million	$20.0 Million to $200.0 Million
Kings	-	$100.0 Million to $500.0 Million	$1.2 Billion to $3.4 Billion	-	-	-	-
Lake	-	$10.0 Million to $100.0 Million	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	$3.0 Billion to Greater Than $6.9 Billion	$22.0 Billion to Greater Than $33.7 Billion	$7.0 Billion to Greater Than $17.2 Billion	$750.0 Million to $4.0 Billion	$8.1 Billion to Greater Than $8.6 Billion	$230.0 Million to $1.3 Billion	$7.8 Billion to Greater Than $18.8 Billion
Madera	-	$100.0 Million to $500.0 Million	-	-	-	-	-

Risk Analysis Results – No Hazard – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Marin	-	-	-	-	$10.0 Million to $100.0 Million	-	$1.0 Billion to Greater Than $1.1 Billion
Mariposa	-	-	-	-	-	-	-
Mendocino	$100.0 Million to $500.0 Million	-	-	-	-	-	-
Merced	-	$1.1 Billion to Greater Than $1.6 Billion	$820.0 Million to $2.7 Billion	-	-	-	-
Modoc	-	$100.0 Million to $500.0 Million	-	-	-	-	-
Mono	-	-	$1.5 Billion to Greater Than $2.1 Billion	-	-	-	-
Monterey	-	$1.1 Billion to Greater Than $1.5 Billion	$600.0 Million to $1.5 Billion	-	-	$10.0 Million to $100.0 Million	-
Napa	-	-	-	-	$500.0 Million to $1.0 Billion	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	$310.0 Million to $1.6 Billion	$3.4 Billion to Greater Than $6.3 Billion	$200.0 Million to $1.0 Billion	$1.0 Billion to Greater Than $1.2 Billion	$20.0 Million to $210.0 Million	$210.0 Million to $1.1 Billion
Placer	-	-	$1.0 Billion to Greater Than $1.0 Billion	$10.0 Million to $100.0 Million	-	$100.0 Million to $500.0 Million	$10.0 Million to $100.0 Million
Plumas	-	-	-	-	-	-	-
Riverside	$300.0 Million to $1.5 Billion	$5.4 Billion to Greater	$1.5 Billion to Greater Than $4.1 Billion	$220.0 Million to $1.2 Billion	$10.0 Million to $100.0 Million	$10.0 Million to $100.0 Million	$10.0 Million to $100.0 Million

Risk Analysis Results – No Hazard – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
		Than $8.0 Billion					
Sacramento	$1.1 Billion to Greater Than $1.8 Billion	$430.0 Million to $2.3 Billion	$710.0 Million to $2.1 Billion	$110.0 Million to $600.0 Million	$1.0 Billion to Greater Than $1.2 Billion	$230.0 Million to $1.3 Billion	$610.0 Million to $1.6 Billion
San Benito	-	-	-	-	-	-	-
San Bernardino	-	$6.0 Billion to Greater Than $11.0 Billion	$4.3 Billion to Greater Than $7.1 Billion	$10.0 Million to $100.0 Million	$2.0 Billion to Greater Than $2.0 Billion	$100.0 Million to $510.0 Million	$240.0 Million to $1.4 Billion
San Diego	$1.1 Billion to Greater Than $1.6 Billion	$1.5 Billion to Greater Than $3.7 Billion	$1.8 Billion to $6.8 Billion	-	$8.1 Billion to Greater Than $8.5 Billion	$30.0 Million to $300.0 Million	$7.6 Billion to Greater Than $16.9 Billion
San Francisco	$600.0 Million to $1.5 Billion	-	$520.0 Million to $1.2 Billion	-	$2.0 Billion to Greater Than $2.1 Billion	$10.0 Million to $100.0 Million	$6.8 Billion to Greater Than $8.5 Billion
San Joaquin	$100.0 Million to $500.0 Million	$1.5 Billion to Greater Than $2.0 Billion	$1.6 Billion to $3.9 Billion	$300.0 Million to $1.5 Billion	-	$100.0 Million to $500.0 Million	$1.0 Billion to Greater Than $1.3 Billion
San Luis Obispo	$1.6 Billion to $3.5 Billion	$3.1 Billion to Greater Than $3.5 Billion	$40.0 Million to $400.0 Million	-	$1.0 Billion to Greater Than $1.0 Billion	$110.0 Million to $600.0 Million	-
San Mateo	-	$10.0 Million to $100.0 Million	$1.8 Billion to Greater Than $3.8 Billion	-	$1.0 Billion to Greater Than $1.1 Billion	$100.0 Million to $500.0 Million	$2.2 Billion to Greater Than $3.0 Billion
Santa Barbara	-	$1.0 Billion to Greater	$10.0 Million to $100.0 Million	$100.0 Million to $500.0 Million	-	$100.0 Million to $500.0 Million	-

Risk Analysis Results – No Hazard – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
		Than $1.0 Billion					
Santa Clara	$1.2 Billion to $4.7 Billion	$210.0 Million to $1.1 Billion	$1.1 Billion to Greater Than $1.7 Billion	-	$2.0 Billion to Greater Than $2.0 Billion	$20.0 Million to $200.0 Million	$1.1 Billion to Greater Than $1.6 Billion
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	$1.4 Billion to Greater Than $3.0 Billion	-	-	-	$10.0 Million to $100.0 Million	$200.0 Million to $1.0 Billion
Sierra	-	-	-	-	-	-	-
Siskiyou	-	$10.0 Million to $100.0 Million	-	-	-	-	-
Solano	-	$2.1 Billion to Greater Than $2.5 Billion	$740.0 Million to $2.4 Billion	$10.0 Million to $100.0 Million	-	$10.0 Million to $110.0 Million	$1.1 Billion to Greater Than $1.5 Billion
Sonoma	-	-	-	-	-	$0 to $10.0 Million	-
Stanislaus	-	-	$1.6 Billion to Greater Than $2.7 Billion	$220.0 Million to $1.2 Billion	-	$10.0 Million to $100.0 Million	-
Sutter	-	$100.0 Million to $500.0 Million	$100.0 Million to $500.0 Million	$10.0 Million to $100.0 Million	-	-	-
Tehama	-	$100.0 Million to $500.0 Million	$100.0 Million to $500.0 Million	-	-	-	-
Trinity	-	-	-	-	-	-	-

Risk Analysis Results – No Hazard – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Tulare	-	-	$300.0 Million to $1.5 Billion	-	$1.0 Billion to Greater Than $1.0 Billion	$10.0 Million to $100.0 Million	-
Tuolumne	-	-	$3.3 Billion to Greater Than $5.5 Billion	-	-	-	-
Ventura	-	$100.0 Million to $500.0 Million	$40.0 Million to $400.0 Million	-	-	$10.0 Million to $100.0 Million	$1.0 Billion to Greater Than $1.0 Billion
Yolo	-	-	$1.1 Billion to Greater Than $1.5 Billion	$20.0 Million to $200.0 Million	-	-	$600.0 Million to $1.5 Billion
Yuba	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

Risk Analysis Results – No Hazard – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	294,179	1,682,361	17.5%
Alpine	1,204	1,204	100.0%
Amador	0	40,474	0.0%
Butte	38,659	211,632	18.3%
Calaveras	0	45,293	0.0%
Colusa	11,483	21,841	52.6%
Contra Costa	228,654	1,165,925	19.6%
Del Norte	11,064	27,743	39.9%
El Dorado	9,595	191,186	5.0%
Fresno	565,682	1,008,656	56.1%
Glenn	20,183	28,917	69.8%
Humboldt	13,174	136,466	9.7%
Imperial	147,701	179,700	0.0%
Inyo	3,080	19,016	16.2%
Kern	461,465	909,235	50.8%
Kings	72,932	152,486	0.0%
Lake	16,489	68,162	24.2%
Lassen	2,663	32,730	8.1%
Los Angeles	4,094,334	10,013,997	40.9%
Madera	73,086	156,254	46.8%
Marin	13,243	262,324	5.0%
Mariposa	0	17,132	0.0%
Mendocino	43,406	91,600	47.4%
Merced	202,666	281,201	72.1%
Modoc	3,414	8,701	39.2%
Mono	0	13,195	0.0%
Monterey	163,898	439,029	37.3%
Napa	17,637	138,019	12.8%
Nevada	6,996	102,241	6.8%
Orange	771,118	3,186,999	24.2%

Risk Analysis Results – No Hazard – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	12,627	404,739	3.1%
Plumas	0	19,789	0.0%
Riverside	771,388	2,418,184	31.9%
Sacramento	414,267	1,585,054	26.1%
San Benito	4,463	64,211	7.0%
San Bernardino	860,408	2,181,654	39.4%
San Diego	711,586	3,298,644	21.6%
San Francisco	90,211	873,964	10.3%
San Joaquin	305,191	779,231	39.2%
San Luis Obispo	0	282,427	0.0%
San Mateo	58,741	764,438	7.7%
Santa Barbara	122,539	448,226	27.3%
Santa Clara	217,303	1,936,253	11.2%
Santa Cruz	62,705	270,863	23.2%
Shasta	26,050	182,158	14.3%
Sierra	0	3,236	0.0%
Siskiyou	9,371	44,077	21.3%
Solano	75,995	453,492	16.8%
Sonoma	60,919	488,863	12.5%
Stanislaus	242,468	552,876	43.9%
Sutter	43,611	99,632	43.8%
Tehama	37,594	65,828	57.1%
Trinity	0	16,112	0.0%
Tulare	329,496	473,120	69.6%
Tuolumne	0	55,620	0.0%
Ventura	178,965	843,843	21.2%
Yolo	63,820	216,404	29.5%
Yuba	35,843	81,575	43.9%
Total	12,023,566	39,538,232	30.4%

Risk Analysis Results – No Hazard – State Bridges by County

County	# of Bridges
Alameda	495
Alpine	19
Amador	21
Butte	121
Calaveras	33
Colusa	64
Contra Costa	323
Del Norte	42
El Dorado	73
Fresno	361
Glenn	73
Humboldt	202
Imperial	291
Inyo	33
Kern	357
Kings	56
Lake	39
Lassen	38
Los Angeles	2,273
Madera	67
Marin	90
Mariposa	35
Mendocino	197
Merced	204
Modoc	28
Mono	31
Monterey	217
Napa	55
Nevada	74
Orange	657

Risk Analysis Results – No Hazard – State Bridges by County

County	# of Bridges
Placer	147
Plumas	37
Riverside	653
Sacramento	310
San Benito	27
San Bernardino	919
San Diego	1,075
San Francisco	114
San Joaquin	315
San Luis Obispo	189
San Mateo	240
Santa Barbara	233
Santa Clara	529
Santa Cruz	93
Shasta	168
Sierra	22
Siskiyou	145
Solano	179
Sonoma	181
Stanislaus	129
Sutter	31
Tehama	132
Trinity	55
Tulare	177
Tuolumne	36
Ventura	310
Yolo	154
Yuba	32
Total	13,201

Risk Analysis Results – No Hazard – State Dams by County

County	Number of State-Owned Dams
Alameda	4
Alpine	2
Amador	1
Butte	5
Calaveras	0
Colusa	0
Contra Costa	1
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	1
Los Angeles	4
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	4
Nevada	0
Orange	0

Risk Analysis Results – No Hazard – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	5
Riverside	1
Sacramento	1
San Benito	0
San Bernardino	3
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	1
San Mateo	1
Santa Barbara	1
Santa Clara	3
Santa Cruz	2
Shasta	0
Sierra	1
Siskiyou	3
Solano	0
Sonoma	3
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	1
Ventura	0
Yolo	1
Yuba	0
Total	49

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	2	456,000	$6,708,484	$6,708,484	$13,416,969
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	3,896	42,442,942	$3,419,731,320	$2,254,012,157	$5,673,743,477
CA Dept of Developmental Services	247	2,320,939	$305,783,571	$390,885,847	$696,669,418
CA Dept of Education	140	1,007,880	$72,292,955	$71,471,656	$143,764,611
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	845	1,330,340	$89,666,843	$83,408,895	$173,075,738
CA Dept of Food and Agriculture	76	122,874	$30,910,938	$29,788,728	$60,699,666
CA Dept of Forestry and Fire Protection	1,902	3,643,642	$736,735,169	$701,301,076	$1,438,036,245
CA Dept of General Services	310	20,654,110	$1,732,903,909	$1,791,018,582	$3,523,922,491
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	25	1,588,233	$655,289,706	$341,691,270	$996,980,976
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	2	14,645	$3,285,839	$3,285,839	$6,571,679
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	97	1,785,342	$325,180,246	$324,392,800	$649,573,047
CA Dept of Parks and Recreation	5,991	7,162,144	$376,063,052	$316,591,750	$692,654,802
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	7	697,153	$79,327,904	$90,002,833	$169,330,737
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	4	42,278	$5,950,867	$5,950,867	$11,901,734
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	525	6,470,903	$382,822,433	$454,638,764	$837,461,197
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	3	34,840	$0	$0	$0
CA Dept of Transportation	2,167	6,172,409	$1,287,730,307	$1,193,880,906	$2,481,611,213
CA Dept of Veterans Affairs	120	2,539,986	$226,667,113	$186,735,522	$413,402,634
CA Dept of Water Resources	24	409,655	$31,568,273	$34,584,036	$66,152,309
CA Employment Development Department	19	387,590	$59,018,440	$59,438,012	$118,456,452
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	1	48	$8,699,380	$8,699,380	$17,398,761
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	105	291,500	$75,585,606	$74,054,727	$149,640,332
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	47	1,156,350	$399,139,462	$383,882,594	$783,022,056
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	1	8,949	$1,208,407	$1,208,407	$2,416,814
California Highway Patrol	179	854,645	$209,732,731	$274,788,363	$484,521,095
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	12	413,774	$60,532,682	$60,608,298	$121,140,980
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	14	129,228	$6,937,317	$6,937,317	$13,874,633
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	1	3,325	$0	$0	$0
California State Legislature	1	237,000	$100,716,549	$100,716,549	$201,433,099
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	1,705	79,627,259	$3,704,027,181	$3,806,699,329	$7,510,726,510

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	2	8,550	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	1	21,200	$0	$0	$0
Coachella Valley Mountains Conservancy	4	3,150	$282,137	$141,069	$423,206
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	1,296	8,255,285	$1,096,377,394	$1,114,735,804	$2,211,113,197
Exposition Park California	9	1,828,101	$51,659,745	$51,659,745	$103,319,490
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	113	11,425,381	$1,584,526,727	$1,706,366,178	$3,290,892,905
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	8	13,917	$57,781	$28,891	$86,672
Santa Monica Mountains Conservancy	50	45,249	$3,147,728	$1,573,864	$4,721,592
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	4,010	39,019,880	$2,032,657,630	$1,630,837,050	$3,663,494,680

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	23,961	242,626,696	$19,162,925,827	$17,562,725,589	$36,725,651,416

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	1	$823,326	$411,663	$1,234,988
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	50	$111,267,273	$115,491,232	$226,758,505
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	1	$16,931,946	$16,931,946	$33,863,892
CA Delta Protection Commission	1	$8,545,399	$12,818,099	$21,363,498
CA Dept of Aging	1	$304,150	$152,075	$456,224
CA Dept of Alcoholic Beverage Control	21	$83,260,200	$83,260,200	$166,520,400
CA Dept of Cannabis Control	6	$35,230,874	$35,230,874	$70,461,749
CA Dept of Child Support Services	3	$18,963,001	$18,963,001	$37,926,003
CA Dept of Community Services and Development	1	$3,989,743	$3,989,743	$7,979,485
CA Dept of Conservation	9	$55,995,909	$55,995,909	$111,991,818
CA Dept of Consumer Affairs	71	$415,192,610	$444,128,251	$859,320,860
CA Dept of Corrections and Rehabilitation	97	$502,731,166	$514,921,870	$1,017,653,037
CA Dept of Developmental Services	4	$19,418,453	$15,189,315	$34,607,768
CA Dept of Education	43	$162,070,656	$162,823,215	$324,893,871
CA Dept of Fair Employment and Housing	4	$24,767,634	$25,672,132	$50,439,766
CA Dept of Financial Protection and Innovation	8	$127,320,864	$127,320,864	$254,641,727
CA Dept of Fish and Wildlife	182	$431,766,181	$445,858,356	$877,624,537
CA Dept of Food and Agriculture	89	$206,518,428	$222,392,319	$428,910,747

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	157	$269,362,465	$290,043,072	$559,405,538
CA Dept of General Services	25	$423,040,700	$436,882,698	$859,923,398
CA Dept of Health Care Access and Information	3	$87,962,182	$92,639,442	$180,601,624
CA Dept of Health Care Services	14	$87,667,586	$90,320,873	$177,988,459
CA Dept of Housing & Community Development	4	$20,151,137	$20,151,137	$40,302,274
CA Dept of Human Resources	1	$15,260,354	$15,260,354	$30,520,708
CA Dept of Industrial Relations	55	$512,585,508	$523,397,285	$1,035,982,793
CA Dept of Insurance	15	$96,305,603	$98,102,034	$194,407,637
CA Dept of Justice	11	$59,757,599	$59,757,599	$119,515,198
CA Dept of Managed Health Care	1	$16,931,946	$16,931,946	$33,863,892
CA Dept of Motor Vehicles	131	$482,558,437	$492,089,759	$974,648,196
CA Dept of Parks and Recreation	23	$62,625,014	$68,396,758	$131,021,772
CA Dept of Pesticide Regulation	5	$58,814,877	$62,576,444	$121,391,321
CA Dept of Public Health	41	$233,791,952	$239,427,100	$473,219,052
CA Dept of Real Estate	3	$13,304,291	$13,304,291	$26,608,582
CA Dept of Rehabilitation	74	$362,200,726	$369,515,496	$731,716,223
CA Dept of Resources Recycling and Recovery	13	$120,772,396	$120,772,396	$241,544,791
CA Dept of Social Services	62	$435,241,971	$449,170,662	$884,412,633
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	21	$140,540,103	$140,946,452	$281,486,554
CA Dept of Technology	3	$14,476,580	$14,476,580	$28,953,160
CA Dept of Toxic Substances Control	9	$30,642,026	$32,034,425	$62,676,452
CA Dept of Transportation	57	$191,125,894	$185,763,689	$376,889,583
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	25	$88,110,843	$91,075,637	$179,186,479

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	105	$551,088,828	$558,010,825	$1,109,099,653
CA Franchise Tax Board	9	$127,845,597	$127,845,597	$255,691,193
CA Governor's Office of Emergency Services	36	$130,198,916	$132,803,647	$263,002,564
CA Governor's Office of Business and Economic Development	4	$68,508,726	$68,508,726	$137,017,453
CA Native American Heritage Commission	1	$3,317,820	$3,317,820	$6,635,641
CA Office of Administrative Law	1	$18,452,265	$18,452,265	$36,904,529
CA Office of Lieutenant Governor	1	$7,901,513	$7,901,513	$15,803,026
CA Office of Systems Integration	5	$31,126,211	$31,126,211	$62,252,421
CA Office of Tax Appeals	5	$180,329,360	$180,329,360	$360,658,720
CA Office of the Inspector General	3	$11,196,515	$11,196,515	$22,393,030
CA State Controller's Office	6	$91,499,479	$91,499,479	$182,998,958
California Agricultural Labor Relations Board	5	$30,060,827	$30,060,827	$60,121,655
California Arts Council	1	$3,551,663	$3,551,663	$7,103,325
California Board of State and Community Corrections	1	$2,750,277	$2,750,277	$5,500,553
California Children and Families Commission	1	$3,989,743	$3,989,743	$7,979,485
California Citizens Redistricting Commission	1	$188,557	$188,557	$377,115
California Coastal Commission	7	$17,633,096	$19,194,800	$36,827,896
California Commission on Teacher Credentialing	1	$6,293,415	$6,293,415	$12,586,829
California Commission on the Status of Women and Girls	1	$12,179,499	$12,179,499	$24,358,999
California Community Colleges Board of Governors	1	$27,224,918	$27,224,918	$54,449,835
California Conservation Corps	24	$39,311,636	$42,484,051	$81,795,687
California Education Audit Appeals Panel	1	$28,396,102	$28,396,102	$56,792,204

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	2	$69,619,747	$69,619,747	$139,239,493
California Energy Commission	1	$9,354,520	$14,031,779	$23,386,299
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	1	$27,224,918	$27,224,918	$54,449,835
California Gambling Control Commission	2	$7,917,273	$7,917,273	$15,834,545
California Government Operation Agency	2	$58,507,901	$58,507,901	$117,015,802
California Health and Human Services Agency	1	$12,179,499	$12,179,499	$24,358,999
California Health Benefit Exchange	2	$34,164,754	$45,566,119	$79,730,872
California High-Speed Rail Authority	7	$241,288,711	$241,288,711	$482,577,422
California Highway Patrol	91	$216,318,340	$255,294,067	$471,612,407
California Horse Racing Board	1	$8,143,542	$8,143,542	$16,287,084
California Law Revision Commission	1	$1,421,468	$1,421,468	$2,842,936
California Lottery	4	$20,213,717	$20,213,717	$40,427,433
California Mental Health Services Oversight and Accountability Commission	2	$32,573,769	$32,573,769	$65,147,537
California Military Department	8	$17,426,805	$17,402,588	$34,829,394
California Office of the State Public Defender	2	$36,507,772	$36,507,772	$73,015,544
California Prison Industry Authority	2	$11,918,431	$13,811,919	$25,730,350
California Public Employment Relations Board	3	$11,649,984	$11,649,984	$23,299,968
California Public Utilities Commission	16	$207,859,627	$209,150,679	$417,010,306
California State Board of Equalization	6	$84,264,547	$84,264,547	$168,529,094
California State Independent Living Council	1	$5,094,778	$5,094,778	$10,189,556

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	5	$20,004,379	$20,004,379	$40,008,759
California State Legislature	0	$0	$0	$0
California State Personnel Board	2	$5,304,890	$5,304,890	$10,609,780
California State Summer School for the Arts	1	$3,483,235	$3,483,235	$6,966,470
California State Transportation Agency	1	$4,003,651	$4,003,651	$8,007,303
California State University	98	$186,994,716	$157,230,248	$344,224,963
California State Water Resources Control Board	32	$140,323,571	$142,991,337	$283,314,908
California Student Aid Commission	1	$7,166,325	$7,166,325	$14,332,650
California Tahoe Conservancy	2	$2,412,443	$2,823,962	$5,236,405
California Transportation Commission	1	$0	$0	$0
California Victim Compensation Board	1	$49,414,245	$49,414,245	$98,828,490
Cannabis Control Appeals Panel	1	$49,414,245	$49,414,245	$98,828,490
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	1	$5,028,686	$5,028,686	$10,057,372
Commission on Peace Officer Standards and Training	1	$4,312,511	$4,312,511	$8,625,023
District Agricultural Associations	4	$10,451,881	$10,376,100	$20,827,982
Exposition Park California	0	$0	$0	$0
Financial Information System for California	1	$12,712,930	$12,712,930	$25,425,861
Habeas Corpus Resource Center	2	$15,293,922	$15,293,922	$30,587,845
Judicial Council of California	5	$36,491,964	$36,080,301	$72,572,265
Milton Marks (Little Hoover) Commission	1	$12,179,499	$12,179,499	$24,358,999
Sacramento-San Joaquin Delta Conservancy	1	$3,600,158	$3,600,158	$7,200,315
San Diego River Conservancy	1	$244,719	$244,719	$489,439

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	1	$43,490,184	$43,490,184	$86,980,367
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	1	$789,576	$394,788	$1,184,364
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	6	$19,740,170	$19,841,361	$39,581,531
University of California	0	$0	$0	$0
Total	1,893	$9,216,928,646	$9,438,197,133	$18,655,125,778

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	1	$823,326	$411,663	$1,234,988
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	52	$117,975,758	$122,199,716	$240,175,474
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	1	$16,931,946	$16,931,946	$33,863,892
CA Delta Protection Commission	1	$8,545,399	$12,818,099	$21,363,498
CA Dept of Aging	1	$304,150	$152,075	$456,224
CA Dept of Alcoholic Beverage Control	21	$83,260,200	$83,260,200	$166,520,400
CA Dept of Cannabis Control	6	$35,230,874	$35,230,874	$70,461,749
CA Dept of Child Support Services	3	$18,963,001	$18,963,001	$37,926,003
CA Dept of Community Services and Development	1	$3,989,743	$3,989,743	$7,979,485
CA Dept of Conservation	9	$55,995,909	$55,995,909	$111,991,818
CA Dept of Consumer Affairs	71	$415,192,610	$444,128,251	$859,320,860
CA Dept of Corrections and Rehabilitation	3,993	$3,922,462,486	$2,768,934,028	$6,691,396,514

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	251	$325,202,024	$406,075,161	$731,277,185
CA Dept of Education	183	$234,363,611	$234,294,871	$468,658,482
CA Dept of Fair Employment and Housing	4	$24,767,634	$25,672,132	$50,439,766
CA Dept of Financial Protection and Innovation	8	$127,320,864	$127,320,864	$254,641,727
CA Dept of Fish and Wildlife	1,027	$521,433,024	$529,267,251	$1,050,700,275
CA Dept of Food and Agriculture	165	$237,429,367	$252,181,047	$489,610,413
CA Dept of Forestry and Fire Protection	2,059	$1,006,097,635	$991,344,149	$1,997,441,783
CA Dept of General Services	335	$2,155,944,609	$2,227,901,280	$4,383,845,889
CA Dept of Health Care Access and Information	3	$87,962,182	$92,639,442	$180,601,624
CA Dept of Health Care Services	14	$87,667,586	$90,320,873	$177,988,459
CA Dept of Housing & Community Development	29	$675,440,843	$361,842,407	$1,037,283,250
CA Dept of Human Resources	1	$15,260,354	$15,260,354	$30,520,708
CA Dept of Industrial Relations	55	$512,585,508	$523,397,285	$1,035,982,793
CA Dept of Insurance	15	$96,305,603	$98,102,034	$194,407,637
CA Dept of Justice	13	$63,043,439	$63,043,439	$126,086,877
CA Dept of Managed Health Care	1	$16,931,946	$16,931,946	$33,863,892
CA Dept of Motor Vehicles	228	$807,738,684	$816,482,559	$1,624,221,242
CA Dept of Parks and Recreation	6,014	$438,688,066	$384,988,508	$823,676,574
CA Dept of Pesticide Regulation	5	$58,814,877	$62,576,444	$121,391,321
CA Dept of Public Health	48	$313,119,856	$329,429,933	$642,549,789
CA Dept of Real Estate	3	$13,304,291	$13,304,291	$26,608,582
CA Dept of Rehabilitation	78	$368,151,593	$375,466,363	$743,617,957
CA Dept of Resources Recycling and Recovery	13	$120,772,396	$120,772,396	$241,544,791
CA Dept of Social Services	62	$435,241,971	$449,170,662	$884,412,633
CA Dept of State Hospitals	525	$382,822,433	$454,638,764	$837,461,197

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	21	$140,540,103	$140,946,452	$281,486,554
CA Dept of Technology	3	$14,476,580	$14,476,580	$28,953,160
CA Dept of Toxic Substances Control	12	$30,642,026	$32,034,425	$62,676,452
CA Dept of Transportation	2,224	$1,478,856,201	$1,379,644,595	$2,858,500,795
CA Dept of Veterans Affairs	120	$226,667,113	$186,735,522	$413,402,634
CA Dept of Water Resources	49	$119,679,115	$125,659,673	$245,338,788
CA Employment Development Department	124	$610,107,268	$617,448,837	$1,227,556,105
CA Franchise Tax Board	9	$127,845,597	$127,845,597	$255,691,193
CA Governor's Office of Emergency Services	37	$138,898,296	$141,503,028	$280,401,324
CA Governor's Office of Business and Economic Development	4	$68,508,726	$68,508,726	$137,017,453
CA Native American Heritage Commission	1	$3,317,820	$3,317,820	$6,635,641
CA Office of Administrative Law	1	$18,452,265	$18,452,265	$36,904,529
CA Office of Lieutenant Governor	1	$7,901,513	$7,901,513	$15,803,026
CA Office of Systems Integration	5	$31,126,211	$31,126,211	$62,252,421
CA Office of Tax Appeals	5	$180,329,360	$180,329,360	$360,658,720
CA Office of the Inspector General	3	$11,196,515	$11,196,515	$22,393,030
CA State Controller's Office	6	$91,499,479	$91,499,479	$182,998,958
California Agricultural Labor Relations Board	5	$30,060,827	$30,060,827	$60,121,655
California Arts Council	1	$3,551,663	$3,551,663	$7,103,325
California Board of State and Community Corrections	1	$2,750,277	$2,750,277	$5,500,553
California Children and Families Commission	1	$3,989,743	$3,989,743	$7,979,485
California Citizens Redistricting Commission	1	$188,557	$188,557	$377,115
California Coastal Commission	7	$17,633,096	$19,194,800	$36,827,896

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	1	$6,293,415	$6,293,415	$12,586,829
California Commission on the Status of Women and Girls	1	$12,179,499	$12,179,499	$24,358,999
California Community Colleges Board of Governors	1	$27,224,918	$27,224,918	$54,449,835
California Conservation Corps	129	$114,897,241	$116,538,778	$231,436,019
California Education Audit Appeals Panel	1	$28,396,102	$28,396,102	$56,792,204
California Emergency Medical Services Authority	2	$69,619,747	$69,619,747	$139,239,493
California Energy Commission	1	$9,354,520	$14,031,779	$23,386,299
California Exposition and State Fair	47	$399,139,462	$383,882,594	$783,022,056
California Fair Political Practices Commission	1	$27,224,918	$27,224,918	$54,449,835
California Gambling Control Commission	2	$7,917,273	$7,917,273	$15,834,545
California Government Operation Agency	2	$58,507,901	$58,507,901	$117,015,802
California Health and Human Services Agency	1	$12,179,499	$12,179,499	$24,358,999
California Health Benefit Exchange	2	$34,164,754	$45,566,119	$79,730,872
California High-Speed Rail Authority	8	$242,497,118	$242,497,118	$484,994,237
California Highway Patrol	270	$426,051,071	$530,082,430	$956,133,501
California Horse Racing Board	1	$8,143,542	$8,143,542	$16,287,084
California Law Revision Commission	1	$1,421,468	$1,421,468	$2,842,936
California Lottery	16	$80,746,399	$80,822,014	$161,568,413
California Mental Health Services Oversight and Accountability Commission	2	$32,573,769	$32,573,769	$65,147,537
California Military Department	22	$24,364,122	$24,339,905	$48,704,027
California Office of the State Public Defender	2	$36,507,772	$36,507,772	$73,015,544

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	2	$11,918,431	$13,811,919	$25,730,350
California Public Employment Relations Board	3	$11,649,984	$11,649,984	$23,299,968
California Public Utilities Commission	16	$207,859,627	$209,150,679	$417,010,306
California State Board of Equalization	6	$84,264,547	$84,264,547	$168,529,094
California State Independent Living Council	1	$5,094,778	$5,094,778	$10,189,556
California State Lands Commission	6	$20,004,379	$20,004,379	$40,008,759
California State Legislature	1	$100,716,549	$100,716,549	$201,433,099
California State Personnel Board	2	$5,304,890	$5,304,890	$10,609,780
California State Summer School for the Arts	1	$3,483,235	$3,483,235	$6,966,470
California State Transportation Agency	1	$4,003,651	$4,003,651	$8,007,303
California State University	1,803	$3,891,021,896	$3,963,929,577	$7,854,951,473
California State Water Resources Control Board	32	$140,323,571	$142,991,337	$283,314,908
California Student Aid Commission	1	$7,166,325	$7,166,325	$14,332,650
California Tahoe Conservancy	4	$2,412,443	$2,823,962	$5,236,405
California Transportation Commission	1	$0	$0	$0
California Victim Compensation Board	1	$49,414,245	$49,414,245	$98,828,490
Cannabis Control Appeals Panel	1	$49,414,245	$49,414,245	$98,828,490
Central Valley Flood Protection Board	1	$0	$0	$0
Coachella Valley Mountains Conservancy	5	$5,310,823	$5,169,755	$10,480,578
Commission on Peace Officer Standards and Training	1	$4,312,511	$4,312,511	$8,625,023
District Agricultural Associations	1,300	$1,106,829,275	$1,125,111,904	$2,231,941,179
Exposition Park California	9	$51,659,745	$51,659,745	$103,319,490

Risk Analysis Results – No Hazard – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	1	$12,712,930	$12,712,930	$25,425,861
Habeas Corpus Resource Center	2	$15,293,922	$15,293,922	$30,587,845
Judicial Council of California	118	$1,621,018,691	$1,742,446,479	$3,363,465,170
Milton Marks (Little Hoover) Commission	1	$12,179,499	$12,179,499	$24,358,999
Sacramento-San Joaquin Delta Conservancy	1	$3,600,158	$3,600,158	$7,200,315
San Diego River Conservancy	1	$244,719	$244,719	$489,439
San Francisco Bay Conservation and Development Commission	1	$43,490,184	$43,490,184	$86,980,367
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	1	$789,576	$394,788	$1,184,364
San Joaquin River Conservancy	8	$57,781	$28,891	$86,672
Santa Monica Mountains Conservancy	50	$3,147,728	$1,573,864	$4,721,592
Sierra Nevada Conservancy	6	$19,740,170	$19,841,361	$39,581,531
University of California	4,010	$2,032,657,630	$1,630,837,050	$3,663,494,680
Total	25,854	$28,379,854,473	$27,000,922,722	$55,380,777,194

Risk Analysis Results – No Hazard– State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	706	12,509,863	$963,198,608	$1,060,001,453	$2,023,200,061
Alpine	13	41,227	$3,410,887	$2,287,927	$5,698,814
Amador	286	2,288,899	$100,731,813	$84,109,672	$184,841,485
Butte	366	3,240,775	$194,503,457	$160,310,327	$354,813,783
Calaveras	149	335,689	$22,506,434	$22,094,277	$44,600,711
Colusa	57	226,610	$3,712,024	$3,422,251	$7,134,274
Contra Costa	134	1,483,162	$228,844,292	$241,613,973	$470,458,265
Del Norte	224	1,494,836	$189,467,347	$153,434,424	$342,901,771
El Dorado	250	413,226	$43,961,240	$43,371,552	$87,332,792
Fresno	591	7,090,955	$591,359,464	$562,833,479	$1,154,192,943
Glenn	64	243,627	$33,710,789	$40,717,926	$74,428,715
Humboldt	623	3,012,340	$132,464,749	$106,642,120	$239,106,869
Imperial	340	2,660,086	$181,994,255	$169,433,538	$351,427,793
Inyo	144	304,425	$94,092,391	$69,755,804	$163,848,195
Kern	728	6,876,970	$559,489,139	$484,900,828	$1,044,389,967
Kings	480	5,303,429	$335,301,129	$171,887,525	$507,188,654
Lake	127	241,850	$15,615,471	$12,669,738	$28,285,209
Lassen	348	2,188,772	$168,452,444	$92,684,511	$261,136,955
Los Angeles	1,533	46,839,683	$2,496,116,270	$2,833,661,784	$5,329,778,054
Madera	224	2,170,243	$131,302,982	$126,435,160	$257,738,142
Marin	568	2,427,908	$148,959,860	$121,276,817	$270,236,677
Mariposa	84	175,462	$33,808,914	$35,482,133	$69,291,047
Mendocino	663	617,728	$39,176,113	$35,791,602	$74,967,715
Merced	139	468,570	$59,921,682	$47,053,081	$106,974,762
Modoc	65	279,334	$19,298,007	$11,018,310	$30,316,317
Mono	262	312,309	$21,262,874	$15,505,074	$36,767,947
Monterey	834	4,592,929	$404,098,021	$224,515,920	$628,613,941
Napa	360	2,916,884	$154,379,548	$152,510,822	$306,890,370
Nevada	309	582,299	$45,115,597	$46,489,415	$91,605,011

Risk Analysis Results – No Hazard– State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	898	10,633,985	$731,662,869	$709,583,695	$1,441,246,564
Placer	227	355,343	$71,202,570	$80,507,499	$151,710,068
Plumas	77	95,956	$5,936,459	$4,615,305	$10,551,764
Riverside	1,290	7,886,642	$463,439,136	$395,299,658	$858,738,795
Sacramento	783	26,035,909	$2,782,469,139	$2,713,106,989	$5,495,576,128
San Benito	149	302,046	$70,058,387	$69,285,899	$139,344,286
San Bernardino	765	7,804,186	$795,163,463	$533,491,982	$1,328,655,446
San Diego	1,652	20,768,580	$1,243,213,530	$1,148,943,831	$2,392,157,361
San Francisco	184	7,861,033	$832,512,236	$764,149,741	$1,596,661,977
San Joaquin	406	4,847,291	$222,510,539	$213,872,238	$436,382,777
San Luis Obispo	671	8,879,994	$495,688,716	$485,507,107	$981,195,824
San Mateo	171	485,568	$202,170,250	$225,549,792	$427,720,042
Santa Barbara	567	3,598,530	$267,071,427	$184,292,713	$451,364,140
Santa Clara	299	6,028,895	$1,061,904,822	$781,061,369	$1,842,966,191
Santa Cruz	873	2,905,004	$844,191,081	$482,271,091	$1,326,462,172
Shasta	322	978,334	$65,353,902	$74,035,575	$139,389,477
Sierra	17	25,186	$2,500,202	$2,002,901	$4,503,104
Siskiyou	234	570,116	$17,052,365	$16,978,000	$34,030,365
Solano	327	3,218,122	$314,690,628	$208,242,540	$522,933,169
Sonoma	622	3,984,236	$386,413,399	$365,580,124	$751,993,522
Stanislaus	148	1,680,247	$115,091,156	$104,819,053	$219,910,209
Sutter	51	324,591	$22,380,565	$25,172,168	$47,552,733
Tehama	158	499,794	$21,903,744	$22,204,358	$44,108,102
Trinity	47	102,416	$28,867,986	$36,115,061	$64,983,047
Tulare	375	1,827,154	$227,889,270	$272,403,698	$500,292,968
Tuolumne	388	1,095,776	$34,434,686	$34,300,978	$68,735,664
Ventura	282	1,823,838	$294,197,882	$350,411,169	$644,609,051
Yolo	1,248	6,388,339	$104,727,276	$104,499,747	$209,227,023
Yuba	59	279,495	$21,972,345	$22,509,861	$44,482,206

Risk Analysis Results – No Hazard– State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	23,961	242,626,696	$19,162,925,827	$17,562,725,589	$36,725,651,416

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	33	$270,479,184	$270,879,030	$541,358,214
Alpine	0	$0	$0	$0
Amador	11	$2,958,089	$1,789,505	$4,747,594
Butte	48	$131,013,036	$148,551,151	$279,564,187
Calaveras	7	$5,773,625	$8,088,544	$13,862,170
Colusa	3	$11,826,640	$11,826,640	$23,653,279
Contra Costa	21	$59,051,985	$56,361,549	$115,413,534
Del Norte	6	$6,409,108	$6,409,108	$12,818,217
El Dorado	22	$19,752,716	$20,210,434	$39,963,150
Fresno	83	$359,317,670	$387,214,200	$746,531,870
Glenn	2	$2,149,720	$2,149,720	$4,299,439
Humboldt	37	$87,845,896	$93,483,839	$181,329,735
Imperial	11	$18,460,884	$17,167,009	$35,627,893
Inyo	12	$17,281,385	$15,872,749	$33,154,134
Kern	56	$167,633,223	$172,713,210	$340,346,434
Kings	4	$3,330,340	$3,250,250	$6,580,590
Lake	5	$26,599,804	$15,332,369	$41,932,173
Lassen	9	$38,566,027	$34,129,525	$72,695,552
Los Angeles	238	$1,767,419,638	$1,781,537,174	$3,548,956,812
Madera	4	$5,603,730	$8,099,960	$13,703,690
Marin	10	$10,615,005	$9,881,593	$20,496,598
Mariposa	3	$251,650	$125,825	$377,476
Mendocino	31	$56,320,093	$59,658,421	$115,978,513

Risk Analysis Results – No Hazard– State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	9	$7,671,899	$9,011,809	$16,683,708
Modoc	3	$1,744,378	$1,668,597	$3,412,975
Mono	0	$0	$0	$0
Monterey	30	$50,781,991	$43,767,407	$94,549,397
Napa	8	$22,102,576	$22,887,759	$44,990,334
Nevada	13	$15,578,056	$16,009,371	$31,587,427
Orange	59	$446,241,451	$443,853,685	$890,095,136
Placer	23	$56,063,087	$71,459,850	$127,522,938
Plumas	7	$9,575,060	$9,864,179	$19,439,239
Riverside	62	$165,773,260	$171,474,756	$337,248,016
Sacramento	392	$3,413,490,407	$3,482,916,356	$6,896,406,763
San Benito	6	$1,700,088	$1,574,112	$3,274,200
San Bernardino	73	$200,899,348	$202,139,917	$403,039,265
San Diego	98	$277,022,417	$287,151,363	$564,173,780
San Francisco	19	$201,171,598	$200,691,588	$401,863,186
San Joaquin	33	$96,043,159	$107,514,815	$203,557,975
San Luis Obispo	37	$56,922,893	$56,808,526	$113,731,419
San Mateo	20	$186,325,756	$187,879,116	$374,204,872
Santa Barbara	16	$24,639,964	$21,934,796	$46,574,760
Santa Clara	45	$107,244,528	$109,826,122	$217,070,650
Santa Cruz	13	$10,376,212	$10,786,076	$21,162,288
Shasta	34	$90,702,597	$116,312,433	$207,015,030
Sierra	0	$0	$0	$0
Siskiyou	21	$14,306,971	$14,255,439	$28,562,411
Solano	26	$109,704,548	$118,465,587	$228,170,135
Sonoma	33	$70,906,410	$77,150,986	$148,057,396
Stanislaus	18	$35,245,957	$29,808,332	$65,054,289
Sutter	3	$2,052,943	$2,052,943	$4,105,885
Tehama	13	$10,306,872	$11,206,986	$21,513,858

Risk Analysis Results – No Hazard– State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	3	$1,560,806	$1,560,806	$3,121,612
Tulare	20	$53,848,313	$53,032,428	$106,880,741
Tuolumne	12	$10,075,633	$10,852,910	$20,928,543
Ventura	43	$113,432,223	$110,013,894	$223,446,117
Yolo	42	$281,422,790	$306,197,377	$587,620,168
Yuba	3	$3,335,004	$3,335,004	$6,670,008
Total	1,893	$9,216,928,646	$9,438,197,133	$18,655,125,778

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	739	$1,233,677,792	$1,330,880,483	$2,564,558,274
Alpine	13	$3,410,887	$2,287,927	$5,698,814
Amador	297	$103,689,902	$85,899,177	$189,589,079
Butte	414	$325,516,493	$308,861,477	$634,377,970
Calaveras	156	$28,280,059	$30,182,822	$58,462,881
Colusa	60	$15,538,663	$15,248,890	$30,787,554
Contra Costa	155	$287,896,277	$297,975,522	$585,871,799
Del Norte	230	$195,876,455	$159,843,532	$355,719,987
El Dorado	272	$63,713,956	$63,581,986	$127,295,942
Fresno	674	$950,677,134	$950,047,679	$1,900,724,813
Glenn	66	$35,860,508	$42,867,646	$78,728,154
Humboldt	660	$220,310,644	$200,125,960	$420,436,604
Imperial	351	$200,455,139	$186,600,547	$387,055,686
Inyo	156	$111,373,776	$85,628,553	$197,002,329
Kern	784	$727,122,363	$657,614,038	$1,384,736,401
Kings	484	$338,631,469	$175,137,775	$513,769,244
Lake	132	$42,215,275	$28,002,108	$70,217,382

Risk Analysis Results – No Hazard– State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	357	$207,018,471	$126,814,037	$333,832,508
Los Angeles	1,771	$4,263,535,908	$4,615,198,959	$8,878,734,866
Madera	228	$136,906,712	$134,535,121	$271,441,833
Marin	578	$159,574,865	$131,158,410	$290,733,275
Mariposa	87	$34,060,564	$35,607,959	$69,668,523
Mendocino	694	$95,496,206	$95,450,023	$190,946,229
Merced	148	$67,593,581	$56,064,890	$123,658,470
Modoc	68	$21,042,385	$12,686,907	$33,729,292
Mono	262	$21,262,874	$15,505,074	$36,767,947
Monterey	864	$454,880,012	$268,283,326	$723,163,338
Napa	368	$176,482,124	$175,398,580	$351,880,705
Nevada	322	$60,693,653	$62,498,786	$123,192,438
Orange	957	$1,177,904,320	$1,153,437,380	$2,331,341,700
Placer	250	$127,265,657	$151,967,349	$279,233,006
Plumas	84	$15,511,519	$14,479,485	$29,991,004
Riverside	1,352	$629,212,397	$566,774,414	$1,195,986,811
Sacramento	1,175	$6,195,959,546	$6,196,023,345	$12,391,982,891
San Benito	155	$71,758,475	$70,860,010	$142,618,486
San Bernardino	838	$996,062,812	$735,631,899	$1,731,694,711
San Diego	1,750	$1,520,235,947	$1,436,095,194	$2,956,331,141
San Francisco	203	$1,033,683,834	$964,841,329	$1,998,525,163
San Joaquin	439	$318,553,698	$321,387,053	$639,940,751
San Luis Obispo	708	$552,611,609	$542,315,634	$1,094,927,243
San Mateo	191	$388,496,006	$413,428,908	$801,924,914
Santa Barbara	583	$291,711,391	$206,227,510	$497,938,900
Santa Clara	344	$1,169,149,350	$890,887,491	$2,060,036,842
Santa Cruz	886	$854,567,293	$493,057,167	$1,347,624,460
Shasta	356	$156,056,499	$190,348,008	$346,404,508
Sierra	17	$2,500,202	$2,002,901	$4,503,104

Risk Analysis Results – No Hazard– State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	255	$31,359,336	$31,233,440	$62,592,776
Solano	353	$424,395,177	$326,708,127	$751,103,304
Sonoma	655	$457,319,809	$442,731,110	$900,050,918
Stanislaus	166	$150,337,113	$134,627,386	$284,964,498
Sutter	54	$24,433,507	$27,225,111	$51,658,618
Tehama	171	$32,210,616	$33,411,344	$65,621,960
Trinity	50	$30,428,791	$37,675,867	$68,104,659
Tulare	395	$281,737,583	$325,436,126	$607,173,709
Tuolumne	400	$44,510,319	$45,153,887	$89,664,207
Ventura	325	$407,630,105	$460,425,063	$868,055,168
Yolo	1,290	$386,150,066	$410,697,125	$796,847,191
Yuba	62	$25,307,349	$25,844,865	$51,152,214
Total	25,854	$28,379,854,473	$27,000,922,722	$55,380,777,194

Risk Analysis Results – No Hazard – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	3,896	42,442,942	$3,419,731,320	$2,254,012,157	$5,673,743,477
Development Center	247	2,320,939	$305,783,571	$390,885,847	$696,669,418
Hospital	525	6,470,903	$382,822,433	$454,638,764	$837,461,197
Migrant Center	25	1,588,233	$655,289,706	$341,691,270	$996,980,976
Special School	137	959,233	$64,705,505	$63,904,858	$128,610,363
Other Facility	19,131	188,844,446	$14,334,593,292	$14,057,592,693	$28,392,185,985
Total	23,961	242,626,696	$19,162,925,827	$17,562,725,589	$36,725,651,416

Risk Analysis Results – No Hazard – State Highways by County

County	Miles of Highway
Alameda	391.5
Alpine	165.4
Amador	250.9
Butte	362.7
Calaveras	299.5
Colusa	229.2
Contra Costa	223.0
Del Norte	182.5
El Dorado	343.7
Fresno	1,035.0
Glenn	220.8
Humboldt	670.7
Imperial	819.2
Inyo	845.0
Kern	1,719.5
Kings	313.9
Lake	271.6
Lassen	605.9
Los Angeles	1,699.6
Madera	261.7
Marin	179.6
Mariposa	233.5
Mendocino	769.0
Merced	513.3
Modoc	355.3
Mono	627.9
Monterey	575.3
Napa	221.2
Nevada	258.3
Orange	552.4

Risk Analysis Results – No Hazard – State Highways by County

County	Miles of Highway
Placer	305.3
Plumas	362.0
Riverside	1,259.8
Sacramento	423.7
San Benito	180.2
San Bernardino	2,388.6
San Diego	1,268.5
San Francisco	67.4
San Joaquin	526.2
San Luis Obispo	713.4
San Mateo	426.5
Santa Barbara	589.2
Santa Clara	502.8
Santa Cruz	245.0
Shasta	620.8
Sierra	194.9
Siskiyou	698.5
Solano	318.8
Sonoma	470.8
Stanislaus	360.6
Sutter	166.1
Tehama	411.6
Trinity	400.5
Tulare	701.6
Tuolumne	303.1
Ventura	526.0
Yolo	339.1
Yuba	129.8
Total	30,098.0

Risk Analysis Results – No Hazard – State Water Project by Branch

County	Number of State-Owned Dams
California Aqueduct	298.6
Coastal Branch	130.4
East Branch	139.1
East Branch Extension	43.3
North Bay Aqueduct	27.8
Oroville	3.7
South Bay Aqueduct	51.9
West Branch	19.7
Total	714.5

Risk Analysis Results for Dam Failure

Risk Analysis Results – Dam Failure (State Jurisdiction) – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	3,299	83,922	3.9%
Alpine	718	50,861	1.4%
Amador	7,485	97,686	7.7%
Butte	11,390	88,320	12.9%
Calaveras	1,534	124,320	1.2%
Colusa	5,932	39,975	14.8%
Contra Costa	2,620	28,731	9.1%
Del Norte	501	10,802	4.6%
El Dorado	5,632	184,442	3.1%
Fresno	4,733	51,792	9.1%
Glenn	14	2,085	0.7%
Humboldt	8,009	78,482	10.2%
Imperial	0	710,020	0.0%
Inyo	81,542	246,441	33.1%
Kern	1,214	1,014,386	0.1%
Kings	0	8,907	0.0%
Lake	1,455	82,544	1.8%
Lassen	1,988	180,689	1.1%
Los Angeles	31,123	911,564	3.4%
Madera	1,248	41,190	3.0%
Marin	609	24,696	2.5%
Mariposa	3,143	228,533	1.4%
Mendocino	3,148	855,474	0.4%
Merced	2,486	12,030	20.7%
Modoc	1,089	2,853	38.2%
Mono	3,300	130,547	2.5%
Monterey	728	92,667	0.8%
Napa	2,285	169,772	1.3%
Nevada	3,680	146,358	2.5%

Risk Analysis Results – Dam Failure (State Jurisdiction) – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	10,986	151,777	7.2%
Placer	3,114	122,653	2.5%
Plumas	5,795	60,257	9.6%
Riverside	40,021	1,065,179	3.8%
Sacramento	3,924	75,501	5.2%
San Benito	63	8,877	0.7%
San Bernardino	28,936	1,734,287	1.7%
San Diego	19,328	522,630	3.7%
San Francisco	203	4,245	4.8%
San Joaquin	16,178	28,214	57.3%
San Luis Obispo	2,202	733,458	0.3%
San Mateo	702	32,801	2.1%
Santa Barbara	265	28,657	0.9%
Santa Clara	5,845	43,054	13.6%
Santa Cruz	252	40,770	0.6%
Shasta	6,248	381,315	1.6%
Sierra	13	35,361	0.0%
Siskiyou	6,055	508,754	1.2%
Solano	2,508	55,831	4.5%
Sonoma	645	57,738	1.1%
Stanislaus	7,990	14,179	56.4%
Sutter	1,674	2,369	70.7%
Tehama	2,437	84,053	2.9%
Trinity	1,002	116,464	0.9%
Tulare	21	6,847	0.3%
Tuolumne	2,225	70,255	3.2%
Ventura	4,881	31,804	15.3%
Yolo	5,266	40,856	12.9%
Yuba	6,178	30,685	20.1%

Risk Analysis Results – Dam Failure (State Jurisdiction) – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	375,861	11,788,962	3.2%

Risk Analysis Results – Dam Failure (State Jurisdiction) – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	7	8	0	0	0	1	16
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	4	0	1	0	0	0	5
Calaveras	0	0	11	0	0	0	0	11
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	0	13	0	0	0	1	14
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	4	7	0	0	1	0	12
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0
Imperial	0	0	0	0	0	0	0	0
Inyo	0	2	12	0	0	0	0	14
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	0	2	12	0	5	0	7	26
Madera	0	3	0	0	0	0	0	3
Marin	0	0	0	0	0	0	0	0
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	3	0	0	0	0	3
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	5	0	0	0	0	5
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Dam Failure (State Jurisdiction) – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	4	0	3	2	1	10
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	10	0	0	1	0	11
Sacramento	0	0	0	0	0	0	11	11
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	2	4	0	1	1	1	9
San Diego	0	2	1	0	2	0	26	31
San Francisco	0	0	0	0	0	0	0	0
San Joaquin	2	2	14	6	0	1	5	30
San Luis Obispo	1	0	0	0	0	1	0	2
San Mateo	0	0	4	0	0	0	0	4
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	9	1	1	0	0	1	3	15
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	3	0	0	0	0	18	21
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	15	4	0	1	0	20
Sutter	0	2	2	2	0	0	0	6
Tehama	0	0	3	0	0	0	0	3
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	3	6	0	0	0	2	11
Yolo	0	0	0	3	0	0	4	7

Risk Analysis Results – Dam Failure (State Jurisdiction) – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	12	37	135	16	11	9	80	300

Risk Analysis Results – Dam Failure (State Jurisdiction) – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	$700.0 Million to $3.5 Billion	$1.1 Billion to $3.0 Billion	-	-	-	$100.0 Million to $500.0 Million
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	$3.0 Billion to Greater Than $3.1 Billion	-	$100.0 Million to $500.0 Million	-	-	-
Calaveras	-	-	$1.1 Billion to $5.5 Billion	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	-	$1.2 Billion to $6.1 Billion	-	-	-	$10.0 Million to $100.0 Million
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	$400.0 Million to $2.0 Billion	$2.7 Billion to $6.0 Billion	-	-	$10.0 Million to $100.0 Million	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-
Imperial	-	-	-	-	-	-	-
Inyo	-	$200.0 Million to $1.0 Billion	$8.0 Billion to Greater Than $12.0 Billion	-	-	-	-
Kern	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-

Risk Analysis Results – Dam Failure (State Jurisdiction) – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Los Angeles	-	$200.0 Million to $1.0 Billion	$1.8 Billion to Greater Than $3.8 Billion	-	$2.3 Billion to Greater Than $3.5 Billion	-	$520.0 Million to $2.7 Billion
Madera	-	$300.0 Million to $1.5 Billion	-	-	-	-	-
Marin	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	-	$300.0 Million to $1.5 Billion	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	$1.5 Billion to $3.2 Billion	-	-	-	-
Monterey	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	-	$130.0 Million to $800.0 Million	-	$20.0 Million to $210.0 Million	$20.0 Million to $200.0 Million	$100.0 Million to $500.0 Million
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	-	$150.0 Million to $1.0 Billion	-	-	$10.0 Million to $100.0 Million	-
Sacramento	-	-	-	-	-	-	$5.5 Billion to $11.0 Billion
San Benito	-	-	-	-	-	-	-
San Bernardino	-	$1.1 Billion to Greater Than $1.5 Billion	$530.0 Million to $1.3 Billion	-	$0 to $10.0 Million	$100.0 Million to $500.0 Million	$10.0 Million to $100.0 Million

Risk Analysis Results – Dam Failure (State Jurisdiction) – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
San Diego	-	$20.0 Million to $200.0 Million	$10.0 Million to $100.0 Million	-	$200.0 Million to $1.0 Billion	-	$9.1 Billion to Greater Than $19.4 Billion
San Francisco	-	-	-	-	-	-	-
San Joaquin	$200.0 Million to $1.0 Billion	$1.5 Billion to Greater Than $2.0 Billion	$3.6 Billion to $7.7 Billion	$600.0 Million to $3.0 Billion	-	$100.0 Million to $500.0 Million	$2.0 Billion to Greater Than $2.3 Billion
San Luis Obispo	$500.0 Million to $1.0 Billion	-	-	-	-	$100.0 Million to $500.0 Million	-
San Mateo	-	-	$620.0 Million to $1.7 Billion	-	-	-	-
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	$810.0 Million to $4.1 Billion	$100.0 Million to $500.0 Million	$100.0 Million to $500.0 Million	-	-	$10.0 Million to $100.0 Million	$2.0 Billion to Greater Than $2.1 Billion
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	$3.0 Billion to Greater Than $3.0 Billion	-	-	-	-	$1.8 Billion to $9.0 Billion
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	$730.0 Million to $2.8 Billion	$220.0 Million to $1.2 Billion	-	$10.0 Million to $100.0 Million	-
Sutter	-	$200.0 Million to $1.0 Billion	$200.0 Million to $1.0 Billion	$20.0 Million to $200.0 Million	-	-	-

Risk Analysis Results – Dam Failure (State Jurisdiction) – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Tehama	-	-	$300.0 Million to $1.5 Billion	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	$300.0 Million to $1.5 Billion	$60.0 Million to $600.0 Million	-	-	-	$2.0 Billion to Greater Than $2.0 Billion
Yolo	-	-	-	$30.0 Million to $300.0 Million	-	-	$2.0 Billion to $4.0 Billion
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – Dam Failure (State Jurisdiction) – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	72,818	370,176	19.7%
Alpine	72	72	100.0%
Amador	0	1,307	0.0%
Butte	22,843	48,440	47.2%
Calaveras	0	681	0.0%
Colusa	3,015	5,988	50.3%
Contra Costa	43,149	108,167	39.9%
Del Norte	139	139	100.0%
El Dorado	133	2,603	5.1%
Fresno	121,038	203,962	59.3%
Glenn	0	163	0.0%
Humboldt	0	4,420	0.0%
Imperial	0	0	0.0%
Inyo	174	9,085	1.9%
Kern	1,869	2,241	83.4%
Kings	0	0	0.0%
Lake	1,286	2,346	54.8%
Lassen	0	63	0.0%
Los Angeles	332,952	928,962	35.8%
Madera	1,139	1,694	67.2%
Marin	0	8,296	0.0%
Mariposa	0	41	0.0%
Mendocino	172	488	35.2%
Merced	44,599	71,593	62.3%
Modoc	61	456	13.5%
Mono	0	18	0.0%
Monterey	6,056	19,189	31.6%
Napa	3,438	16,139	21.3%
Nevada	0	2,194	0.0%
Orange	103,141	377,446	27.3%

Risk Analysis Results – Dam Failure (State Jurisdiction) – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	231	2,206	10.5%
Plumas	0	1,766	0.0%
Riverside	94,194	220,325	42.8%
Sacramento	657	11,668	5.6%
San Benito	0	266	0.0%
San Bernardino	70,424	104,307	67.5%
San Diego	54,217	199,247	27.2%
San Francisco	6,535	54,854	11.9%
San Joaquin	224,034	533,586	42.0%
San Luis Obispo	0	7,118	0.0%
San Mateo	9,833	122,618	8.0%
Santa Barbara	102	1,892	5.4%
Santa Clara	100,368	613,258	16.4%
Santa Cruz	6	7,913	0.1%
Shasta	2,694	18,866	14.3%
Sierra	0	15	0.0%
Siskiyou	599	1,072	55.8%
Solano	7,056	14,440	48.9%
Sonoma	2,990	27,396	10.9%
Stanislaus	216,466	450,484	48.1%
Sutter	43,611	94,739	46.0%
Tehama	2,736	3,055	89.6%
Trinity	0	61	0.0%
Tulare	4,367	5,940	73.5%
Tuolumne	0	500	0.0%
Ventura	113,668	266,445	42.7%
Yolo	14,788	24,327	60.8%
Yuba	29,048	52,283	55.6%
Total	1,756,718	5,027,019	34.9%

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Bridges by County

County	# of Bridges
Alameda	63
Alpine	1
Amador	9
Butte	44
Calaveras	6
Colusa	4
Contra Costa	11
Del Norte	0
El Dorado	11
Fresno	50
Glenn	13
Humboldt	3
Imperial	0
Inyo	10
Kern	4
Kings	0
Lake	1
Lassen	4
Los Angeles	164
Madera	4
Marin	11
Mariposa	1
Mendocino	2
Merced	33
Modoc	9
Mono	7
Monterey	34
Napa	9
Nevada	5
Orange	62

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Bridges by County

County	# of Bridges
Placer	10
Plumas	18
Riverside	73
Sacramento	21
San Benito	2
San Bernardino	64
San Diego	172
San Francisco	1
San Joaquin	186
San Luis Obispo	13
San Mateo	24
Santa Barbara	2
Santa Clara	166
Santa Cruz	5
Shasta	13
Sierra	0
Siskiyou	28
Solano	10
Sonoma	7
Stanislaus	70
Sutter	16
Tehama	10
Trinity	1
Tulare	3
Tuolumne	7
Ventura	46
Yolo	26
Yuba	21
Total	1590

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Dams by County

County	Number of State-Owned Dams
Alameda	0
Alpine	0
Amador	1
Butte	5
Calaveras	0
Colusa	0
Contra Costa	1
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	1
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	1
Yuba	0
Total	9

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	188	2103228	$79,249,251	$72,977,386	$152,226,636
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	65	523918	$11,006,106	$10,184,807	$21,190,914
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	252	340117	$8,993,022	$8,169,692	$17,162,714
CA Dept of Food and Agriculture	0	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	64	184756	$28,801,110	$34,867,052	$63,668,162
CA Dept of General Services	20	1300507	$129,534,260	$122,376,021	$251,910,280
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	6	426750	$51,675,434	$32,181,714	$83,857,148
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	19	195311	$47,206,944	$50,133,777	$97,340,720
CA Dept of Parks and Recreation	420	515621	$28,184,550	$27,826,604	$56,011,154
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	390	752114	$139,433,056	$123,322,342	$262,755,397
CA Dept of Veterans Affairs	13	301586	$67,465,510	$66,420,310	$133,885,820
CA Dept of Water Resources	7	139668	$18,271,732	$21,757,102	$40,028,835
CA Employment Development Department	3	69122	$738,838	$1,108,257	$1,847,095
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	1	17000	$2,082,310	$2,082,310	$4,164,620
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	24	100366	$22,947,368	$32,062,394	$55,009,762
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	1	10042	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	4	41138	$2,548,963	$2,548,963	$5,097,926
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	217	8137659	$493,435,687	$451,040,392	$944,476,079

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	1	21200	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	318	2119224	$516,242,503	$514,638,774	$1,030,881,278
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	14	1994587	$205,364,341	$212,182,443	$417,546,783
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	6	6684	$57,781	$28,891	$86,672
Santa Monica Mountains Conservancy	0	0	$0	$0	$0
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	2033	19300598	$1,853,238,764	$1,785,909,230	$3,639,147,994

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	5	$4,029,080	$5,481,641	$9,510,721
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	1	$3,716,239	$3,716,239	$7,432,477
CA Dept of Cannabis Control	1	$12,637,585	$12,637,585	$25,275,169
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	1	$15,198,612	$15,198,612	$30,397,225
CA Dept of Consumer Affairs	8	$22,818,380	$24,747,420	$47,565,800
CA Dept of Corrections and Rehabilitation	11	$46,924,933	$46,852,737	$93,777,670
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	3	$8,796,957	$8,796,957	$17,593,914
CA Dept of Fair Employment and Housing	2	$13,289,334	$14,193,831	$27,483,165
CA Dept of Financial Protection and Innovation	1	$19,214,034	$19,214,034	$38,428,068
CA Dept of Fish and Wildlife	43	$59,057,340	$56,126,742	$115,184,082
CA Dept of Food and Agriculture	14	$15,103,754	$14,704,834	$29,808,588

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	9	$6,117,549	$7,007,913	$13,125,462
CA Dept of General Services	2	$29,736,250	$29,736,250	$59,472,501
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	2	$18,763,002	$18,763,002	$37,526,003
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	11	$56,798,825	$64,893,832	$121,692,657
CA Dept of Insurance	2	$14,806,360	$15,979,449	$30,785,809
CA Dept of Justice	2	$13,867,168	$13,867,168	$27,734,335
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	28	$158,319,251	$146,427,485	$304,746,736
CA Dept of Parks and Recreation	2	$5,047,809	$5,047,809	$10,095,619
CA Dept of Pesticide Regulation	2	$16,147,235	$16,925,173	$33,072,409
CA Dept of Public Health	7	$41,400,995	$41,400,995	$82,801,991
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	9	$44,097,597	$44,854,286	$88,951,883
CA Dept of Resources Recycling and Recovery	1	$214,720	$214,720	$429,440
CA Dept of Social Services	16	$69,277,053	$70,013,181	$139,290,235
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	2	$16,140,863	$16,140,863	$32,281,727
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	6	$16,654,413	$16,423,066	$33,077,479
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	1	$1,483,294	$1,483,294	$2,966,588

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	17	$158,294,343	$159,096,342	$317,390,685
CA Franchise Tax Board	2	$20,887,609	$20,887,609	$41,775,219
CA Governor's Office of Emergency Services	7	$11,238,301	$11,054,974	$22,293,274
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	3	$1,864,534	$932,267	$2,796,802
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	5	$14,484,617	$14,484,617	$28,969,234
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	18	$39,075,920	$39,440,822	$78,516,742
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	2	$8,426,535	$8,426,535	$16,853,071
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	2	$4,024,225	$4,024,225	$8,048,450
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	2	$21,796,139	$23,087,191	$44,883,330
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	20	$52,677,466	$57,146,331	$109,823,797
California State Water Resources Control Board	2	$4,303,511	$6,246,900	$10,550,411
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	1	$789,576	$394,788	$1,184,364
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	275	$1,075,039,281	$1,083,589,590	$2,158,628,872

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	5	$4,029,080	$5,481,641	$9,510,721
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	1	$3,716,239	$3,716,239	$7,432,477
CA Dept of Cannabis Control	1	$12,637,585	$12,637,585	$25,275,169
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	1	$15,198,612	$15,198,612	$30,397,225
CA Dept of Consumer Affairs	8	$22,818,380	$24,747,420	$47,565,800
CA Dept of Corrections and Rehabilitation	199	$126,174,183	$119,830,123	$246,004,306

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	68	$19,803,063	$18,981,764	$38,784,828
CA Dept of Fair Employment and Housing	2	$13,289,334	$14,193,831	$27,483,165
CA Dept of Financial Protection and Innovation	1	$19,214,034	$19,214,034	$38,428,068
CA Dept of Fish and Wildlife	295	$68,050,362	$64,296,434	$132,346,796
CA Dept of Food and Agriculture	14	$15,103,754	$14,704,834	$29,808,588
CA Dept of Forestry and Fire Protection	73	$34,918,659	$41,874,964	$76,793,623
CA Dept of General Services	22	$159,270,510	$152,112,271	$311,382,781
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	2	$18,763,002	$18,763,002	$37,526,003
CA Dept of Housing & Community Development	6	$51,675,434	$32,181,714	$83,857,148
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	11	$56,798,825	$64,893,832	$121,692,657
CA Dept of Insurance	2	$14,806,360	$15,979,449	$30,785,809
CA Dept of Justice	2	$13,867,168	$13,867,168	$27,734,335
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	47	$205,526,194	$196,561,262	$402,087,456
CA Dept of Parks and Recreation	422	$33,232,359	$32,874,414	$66,106,773
CA Dept of Pesticide Regulation	2	$16,147,235	$16,925,173	$33,072,409
CA Dept of Public Health	7	$41,400,995	$41,400,995	$82,801,991
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	9	$44,097,597	$44,854,286	$88,951,883
CA Dept of Resources Recycling and Recovery	1	$214,720	$214,720	$429,440
CA Dept of Social Services	16	$69,277,053	$70,013,181	$139,290,235
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	2	$16,140,863	$16,140,863	$32,281,727
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	396	$156,087,469	$139,745,407	$295,832,876
CA Dept of Veterans Affairs	13	$67,465,510	$66,420,310	$133,885,820
CA Dept of Water Resources	8	$19,755,026	$23,240,396	$42,995,423
CA Employment Development Department	20	$159,033,181	$160,204,599	$319,237,780
CA Franchise Tax Board	2	$20,887,609	$20,887,609	$41,775,219
CA Governor's Office of Emergency Services	7	$11,238,301	$11,054,974	$22,293,274
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	3	$1,864,534	$932,267	$2,796,802

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	6	$16,566,927	$16,566,927	$33,133,854
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	42	$62,023,288	$71,503,216	$133,526,504
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	3	$8,426,535	$8,426,535	$16,853,071
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	6	$6,573,188	$6,573,188	$13,146,376
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	2	$21,796,139	$23,087,191	$44,883,330
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	237	$546,113,154	$508,186,723	$1,054,299,876
California State Water Resources Control Board	2	$4,303,511	$6,246,900	$10,550,411
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	1	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	318	$516,242,503	$514,638,774	$1,030,881,278
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	14	$205,364,341	$212,182,443	$417,546,783
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	1	$789,576	$394,788	$1,184,364
San Joaquin River Conservancy	6	$57,781	$28,891	$86,672
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	2308	$2,928,278,046	$2,869,498,820	$5,797,776,866

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	86	648581	$38,499,075	$40,884,315	$79,383,390
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	73	271755	$20,035,481	$24,566,701	$44,602,182
Calaveras	0	0	$0	$0	$0
Colusa	40	122602	$3,132,478	$3,132,478	$6,264,955
Contra Costa	37	145933	$17,965,636	$17,965,636	$35,931,272
Del Norte	0	0	$0	$0	$0
El Dorado	77	68476	$653,836	$326,918	$980,754
Fresno	222	2900198	$167,160,266	$149,430,958	$316,591,223
Glenn	7	13994	$0	$0	$0
Humboldt	7	17346	$0	$0	$0
Imperial	0	0	$0	$0	$0
Inyo	57	149118	$10,083,802	$10,439,660	$20,523,462
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	1	0			$0
Lassen	0	0	$0	$0	$0
Los Angeles	149	1836610	$126,920,233	$130,929,591	$257,849,824
Madera	4	3900	$0	$0	$0
Marin	46	25154	$4,140,980	$2,413,036	$6,554,016
Mariposa	0	0	$0	$0	$0
Mendocino	3	3389	$0	$0	$0
Merced	18	53314	$16,271,379	$8,135,689	$24,407,068
Modoc	0	0	$0	$0	$0
Mono	1	1486	$1,053,281	$1,579,921	$2,633,202
Monterey	15	12114	$36,615,002	$19,118,539	$55,733,541
Napa	40	175653	$12,793,001	$14,623,202	$27,416,203
Nevada	15	13485	$0	$0	$0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	62	683329	$40,358,088	$48,267,272	$88,625,360
Placer	2	1440	$26,627	$31,166	$57,793
Plumas	2	3080	$0	$0	$0
Riverside	32	205015	$24,006,980	$24,800,202	$48,807,182
Sacramento	2	18000	$2,202,132	$2,142,221	$4,344,353
San Benito	0	0	$0	$0	$0
San Bernardino	42	560184	$16,978,172	$16,978,172	$33,956,344
San Diego	244	1635203	$481,719,514	$465,135,510	$946,855,024
San Francisco	0	0	$0	$0	$0
San Joaquin	166	2003367	$153,302,338	$145,942,954	$299,245,292
San Luis Obispo	27	29539	$8,556,905	$11,668,785	$20,225,690
San Mateo	8	24339	$5,099,915	$6,140,381	$11,240,297
Santa Barbara	0	0	$0	$0	$0
Santa Clara	104	4990179	$498,456,867	$469,870,906	$968,327,772
Santa Cruz	44	99084	$3,500,532	$3,500,532	$7,001,063
Shasta	21	37925	$134,656	$67,328	$201,984
Sierra	0	0	$0	$0	$0
Siskiyou	30	43823	$2,666,061	$3,805,671	$6,471,733
Solano	14	15662	$0	$0	$0
Sonoma	12	128730	$11,902,338	$11,902,338	$23,804,675
Stanislaus	138	1556444	$77,937,428	$81,894,680	$159,832,108
Sutter	47	322403	$22,380,565	$25,172,168	$47,552,733
Tehama	12	4064	$300,277	$241,680	$541,958
Trinity	0	0	$0	$0	$0
Tulare	0	0	$0	$0	$0
Tuolumne	16	26086	$0	$0	$0
Ventura	66	57755	$4,239,140	$3,970,435	$8,209,575
Yolo	13	137809	$23,248,467	$19,932,872	$43,181,339
Yuba	31	254030	$20,897,314	$20,897,314	$41,794,628

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	2033	19300598	$1,853,238,764	$1,785,909,230	$3,639,147,994

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	8	$99,463,271	$99,463,271	$198,926,542
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	22	$52,265,546	$53,348,537	$105,614,083
Calaveras	0	$0	$0	$0
Colusa	1	$8,603,568	$8,603,568	$17,207,136
Contra Costa	2	$5,561,178	$5,488,982	$11,050,160
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	29	$181,504,811	$187,785,378	$369,290,189
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	10	$17,281,385	$15,872,749	$33,154,134
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	1	$22,534,869	$11,267,435	$33,802,304
Lassen	0	$0	$0	$0
Los Angeles	25	$152,191,551	$150,769,166	$302,960,718
Madera	0	$0	$0	$0
Marin	2	$1,001,112	$1,001,112	$2,002,223
Mariposa	0	$0	$0	$0
Mendocino	1	$5,194,529	$5,194,529	$10,389,057

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	2	$2,305,626	$3,458,438	$5,764,064
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	4	$1,850,975	$1,736,525	$3,587,501
Napa	3	$8,681,289	$8,602,808	$17,284,098
Nevada	0	$0	$0	$0
Orange	8	$60,217,084	$60,217,084	$120,434,168
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	8	$15,885,764	$16,642,453	$32,528,217
Sacramento	6	$158,264	$79,132	$237,397
San Benito	0	$0	$0	$0
San Bernardino	14	$43,990,427	$43,990,427	$87,980,855
San Diego	22	$116,561,113	$124,501,619	$241,062,732
San Francisco	0	$0	$0	$0
San Joaquin	22	$67,047,395	$78,519,051	$145,566,446
San Luis Obispo	1	$198,556	$198,556	$397,111
San Mateo	2	$18,917,562	$18,917,562	$37,835,124
Santa Barbara	0	$0	$0	$0
Santa Clara	26	$72,578,611	$76,785,415	$149,364,026
Santa Cruz	2	$1,773,589	$886,794	$2,660,383
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	2	$359,661	$539,492	$899,153
Solano	7	$5,753,057	$5,753,057	$11,506,113
Sonoma	4	$1,250,204	$1,250,204	$2,500,407
Stanislaus	15	$33,108,955	$27,758,434	$60,867,389
Sutter	2	$2,052,943	$2,052,943	$4,105,885
Tehama	2	$2,573,639	$2,573,639	$5,147,278

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	2	$1,321,652	$1,321,652	$2,643,304
Tuolumne	0	$0	$0	$0
Ventura	15	$41,365,062	$37,623,216	$78,988,278
Yolo	2	$28,151,030	$28,051,360	$56,202,390
Yuba	3	$3,335,004	$3,335,004	$6,670,008
Total	275	$1,075,039,281	$1,083,589,590	$2,158,628,872

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	94	$137,962,346	$140,347,586	$278,309,932
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	95	$72,301,027	$77,915,237	$150,216,264
Calaveras	0	$0	$0	$0
Colusa	41	$11,736,046	$11,736,046	$23,472,091
Contra Costa	39	$23,526,814	$23,454,618	$46,981,432
Del Norte	0	$0	$0	$0
El Dorado	77	$653,836	$326,918	$980,754
Fresno	251	$348,665,077	$337,216,336	$685,881,413
Glenn	7	$0	$0	$0
Humboldt	7	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	67	$27,365,187	$26,312,409	$53,677,596
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	2	$22,534,869	$11,267,435	$33,802,304

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	174	$279,111,785	$281,698,757	$560,810,542
Madera	4	$0	$0	$0
Marin	48	$5,142,092	$3,414,148	$8,556,240
Mariposa	0	$0	$0	$0
Mendocino	4	$5,194,529	$5,194,529	$10,389,057
Merced	20	$18,577,004	$11,594,128	$30,171,132
Modoc	0	$0	$0	$0
Mono	1	$1,053,281	$1,579,921	$2,633,202
Monterey	19	$38,465,978	$20,855,064	$59,321,041
Napa	43	$21,474,291	$23,226,010	$44,700,301
Nevada	15	$0	$0	$0
Orange	70	$100,575,172	$108,484,356	$209,059,528
Placer	2	$26,627	$31,166	$57,793
Plumas	2	$0	$0	$0
Riverside	40	$39,892,744	$41,442,655	$81,335,399
Sacramento	8	$2,360,396	$2,221,353	$4,581,750
San Benito	0	$0	$0	$0
San Bernardino	56	$60,968,599	$60,968,599	$121,937,198
San Diego	266	$598,280,626	$589,637,130	$1,187,917,756
San Francisco	0	$0	$0	$0
San Joaquin	188	$220,349,733	$224,462,005	$444,811,738
San Luis Obispo	28	$8,755,461	$11,867,341	$20,622,801
San Mateo	10	$24,017,477	$25,057,943	$49,075,421
Santa Barbara	0	$0	$0	$0
Santa Clara	130	$571,035,478	$546,656,320	$1,117,691,798
Santa Cruz	46	$5,274,120	$4,387,326	$9,661,446
Shasta	21	$134,656	$67,328	$201,984
Sierra	0	$0	$0	$0

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	32	$3,025,723	$4,345,163	$7,370,886
Solano	21	$5,753,057	$5,753,057	$11,506,113
Sonoma	16	$13,152,541	$13,152,541	$26,305,083
Stanislaus	153	$111,046,383	$109,653,114	$220,699,497
Sutter	49	$24,433,507	$27,225,111	$51,658,618
Tehama	14	$2,873,917	$2,815,320	$5,689,236
Trinity	0	$0	$0	$0
Tulare	2	$1,321,652	$1,321,652	$2,643,304
Tuolumne	16	$0	$0	$0
Ventura	81	$45,604,202	$41,593,651	$87,197,853
Yolo	15	$51,399,497	$47,984,232	$99,383,729
Yuba	34	$24,232,318	$24,232,318	$48,464,636
Total	2308	$2,928,278,046	$2,869,498,820	$5,797,776,866

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	188	2103228	$79,249,251	$72,977,386	$152,226,636
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	6	426750	$51,675,434	$32,181,714	$83,857,148
Special School	64	510744	$10,729,356	$9,928,709	$20,658,065
Other Facility	1775	16259876	$1,711,584,724	$1,670,821,422	$3,382,406,146
Total	2033	19300598	$1,853,238,764	$1,785,909,230	$3,639,147,994

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Highways by County

County	Miles of Highway
Alameda	83.6
Alpine	2.7
Amador	8.1
Butte	127.2
Calaveras	5.7
Colusa	22.4
Contra Costa	24.8
Del Norte	0.8
El Dorado	17.8
Fresno	42.9
Glenn	11.1
Humboldt	4.9
Imperial	0.0
Inyo	63.8
Kern	7.3
Kings	0.0
Lake	10.3
Lassen	4.0
Los Angeles	119.1
Madera	1.0
Marin	14.0
Mariposa	0.6
Mendocino	9.4
Merced	105.7
Modoc	13.7
Mono	30.0
Monterey	61.7
Napa	20.6
Nevada	5.7
Orange	55.3

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Highways by County

County	Miles of Highway
Placer	16.8
Plumas	74.5
Riverside	58.6
Sacramento	75.9
San Benito	0.9
San Bernardino	39.9
San Diego	131.8
San Francisco	0.3
San Joaquin	246.9
San Luis Obispo	18.2
San Mateo	28.7
Santa Barbara	4.0
Santa Clara	104.3
Santa Cruz	6.1
Shasta	14.6
Sierra	0.0
Siskiyou	109.7
Solano	20.7
Sonoma	7.3
Stanislaus	170.5
Sutter	107.7
Tehama	7.2
Trinity	3.1
Tulare	13.5
Tuolumne	13.6
Ventura	95.1
Yolo	87.2
Yuba	73.8
Total	2405.3

Risk Analysis Results – Dam Failure (State Jurisdiction) – State Water Project by Branch

County	Number of State-Owned Dams
California Aqueduct	6.1
Coastal Branch	4.4
East Branch	18.0
East Branch Extension	5.8
North Bay Aqueduct	2.8
Oroville	3.7
South Bay Aqueduct	6.0
West Branch	0.0
Total	46.8

Risk Analysis Results for Whittier Dam Failure

Risk Analysis Results – Whittier Dam Failure – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	0	83,922	0.0%
Alpine	0	50,861	0.0%
Amador	0	97,686	0.0%
Butte	0	88,320	0.0%
Calaveras	0	124,320	0.0%
Colusa	0	39,975	0.0%
Contra Costa	0	28,731	0.0%
Del Norte	0	10,802	0.0%
El Dorado	0	184,442	0.0%
Fresno	0	51,792	0.0%
Glenn	0	2,085	0.0%
Humboldt	0	78,482	0.0%
Imperial	0	710,020	0.0%
Inyo	0	246,441	0.0%
Kern	0	1,014,386	0.0%
Kings	0	8,907	0.0%
Lake	0	82,544	0.0%
Lassen	0	180,689	0.0%
Los Angeles	8,108	911,564	0.9%
Madera	0	41,190	0.0%
Marin	0	24,696	0.0%
Mariposa	0	228,533	0.0%
Mendocino	0	855,474	0.0%
Merced	0	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	0	130,547	0.0%
Monterey	0	92,667	0.0%
Napa	0	169,772	0.0%
Nevada	0	146,358	0.0%

Risk Analysis Results – Whittier Dam Failure – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	1,794	151,777	1.2%
Placer	0	122,653	0.0%
Plumas	0	60,257	0.0%
Riverside	0	1,065,179	0.0%
Sacramento	0	75,501	0.0%
San Benito	0	8,877	0.0%
San Bernardino	0	1,734,287	0.0%
San Diego	0	522,630	0.0%
San Francisco	0	4,245	0.0%
San Joaquin	0	28,214	0.0%
San Luis Obispo	0	733,458	0.0%
San Mateo	0	32,801	0.0%
Santa Barbara	0	28,657	0.0%
Santa Clara	0	43,054	0.0%
Santa Cruz	0	40,770	0.0%
Shasta	0	381,315	0.0%
Sierra	0	35,361	0.0%
Siskiyou	0	508,754	0.0%
Solano	0	55,831	0.0%
Sonoma	0	57,738	0.0%
Stanislaus	0	14,179	0.0%
Sutter	0	2,369	0.0%
Tehama	0	84,053	0.0%
Trinity	0	116,464	0.0%
Tulare	0	6,847	0.0%
Tuolumne	0	70,255	0.0%
Ventura	0	31,804	0.0%
Yolo	0	40,856	0.0%
Yuba	0	30,685	0.0%

Risk Analysis Results – Whittier Dam Failure – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	9,902	11,788,962	0.1%

Risk Analysis Results – Whittier Dam Failure – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	0	0	0	0	0	0	0
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	0	0	0	0	0	0	0
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	0	0	0	0	0	0	0
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0
Imperial	0	0	0	0	0	0	0	0
Inyo	0	0	0	0	0	0	0	0
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	0	0	0	0	0	0	0	0
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	0	0	0	0
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Whittier Dam Failure – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	0	0	0	0	0	0
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	0	0	0	0	0	0
Sacramento	0	0	0	0	0	0	0	0
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	0	0	0	0
San Diego	0	0	0	0	0	0	0	0
San Francisco	0	0	0	0	0	0	0	0
San Joaquin	0	0	0	0	0	0	0	0
San Luis Obispo	0	0	0	0	0	0	0	0
San Mateo	0	0	0	0	0	0	0	0
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	0	0	0	0	0	0	0	0
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	0	0
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	0	0	0	0	0	0
Sutter	0	0	0	0	0	0	0	0
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	0	0	0	0	0	0	0
Yolo	0	0	0	0	0	0	0	0

Risk Analysis Results – Whittier Dam Failure – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0

Risk Analysis Results – Whittier Dam Failure – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	$0	$0	$0	$0	$0	$0	$0
Alpine	$0	$0	$0	$0	$0	$0	$0
Amador	$0	$0	$0	$0	$0	$0	$0
Butte	$0	$0	$0	$0	$0	$0	$0
Calaveras	$0	$0	$0	$0	$0	$0	$0
Colusa	$0	$0	$0	$0	$0	$0	$0
Contra Costa	$0	$0	$0	$0	$0	$0	$0
Del Norte	$0	$0	$0	$0	$0	$0	$0
El Dorado	$0	$0	$0	$0	$0	$0	$0
Fresno	$0	$0	$0	$0	$0	$0	$0
Glenn	$0	$0	$0	$0	$0	$0	$0
Humboldt	$0	$0	$0	$0	$0	$0	$0
Imperial	$0	$0	$0	$0	$0	$0	$0
Inyo	$0	$0	$0	$0	$0	$0	$0
Kern	$0	$0	$0	$0	$0	$0	$0
Kings	$0	$0	$0	$0	$0	$0	$0
Lake	$0	$0	$0	$0	$0	$0	$0
Lassen	$0	$0	$0	$0	$0	$0	$0
Los Angeles	$0	$0	$0	$0	$0	$0	$0
Madera	$0	$0	$0	$0	$0	$0	$0
Marin	$0	$0	$0	$0	$0	$0	$0
Mariposa	$0	$0	$0	$0	$0	$0	$0
Mendocino	$0	$0	$0	$0	$0	$0	$0
Merced	$0	$0	$0	$0	$0	$0	$0
Modoc	$0	$0	$0	$0	$0	$0	$0
Mono	$0	$0	$0	$0	$0	$0	$0
Monterey	$0	$0	$0	$0	$0	$0	$0
Napa	$0	$0	$0	$0	$0	$0	$0
Nevada	$0	$0	$0	$0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Orange	$0	$0	$0	$0	$0	$0	$0
Placer	$0	$0	$0	$0	$0	$0	$0
Plumas	$0	$0	$0	$0	$0	$0	$0
Riverside	$0	$0	$0	$0	$0	$0	$0
Sacramento	$0	$0	$0	$0	$0	$0	$0
San Benito	$0	$0	$0	$0	$0	$0	$0
San Bernardino	$0	$0	$0	$0	$0	$0	$0
San Diego	$0	$0	$0	$0	$0	$0	$0
San Francisco	$0	$0	$0	$0	$0	$0	$0
San Joaquin	$0	$0	$0	$0	$0	$0	$0
San Luis Obispo	$0	$0	$0	$0	$0	$0	$0
San Mateo	$0	$0	$0	$0	$0	$0	$0
Santa Barbara	$0	$0	$0	$0	$0	$0	$0
Santa Clara	$0	$0	$0	$0	$0	$0	$0
Santa Cruz	$0	$0	$0	$0	$0	$0	$0
Shasta	$0	$0	$0	$0	$0	$0	$0
Sierra	$0	$0	$0	$0	$0	$0	$0
Siskiyou	$0	$0	$0	$0	$0	$0	$0
Solano	$0	$0	$0	$0	$0	$0	$0
Sonoma	$0	$0	$0	$0	$0	$0	$0
Stanislaus	$0	$0	$0	$0	$0	$0	$0
Sutter	$0	$0	$0	$0	$0	$0	$0
Tehama	$0	$0	$0	$0	$0	$0	$0
Trinity	$0	$0	$0	$0	$0	$0	$0
Tulare	$0	$0	$0	$0	$0	$0	$0
Tuolumne	$0	$0	$0	$0	$0	$0	$0
Ventura	$0	$0	$0	$0	$0	$0	$0
Yolo	$0	$0	$0	$0	$0	$0	$0
Yuba	$0	$0	$0	$0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	0	0	0.0%
Alpine	0	0	0.0%
Amador	0	0	0.0%
Butte	0	0	0.0%
Calaveras	0	0	0.0%
Colusa	0	0	0.0%
Contra Costa	0	0	0.0%
Del Norte	0	0	0.0%
El Dorado	0	0	0.0%
Fresno	0	0	0.0%
Glenn	0	0	0.0%
Humboldt	0	0	0.0%
Imperial	0	0	0.0%
Inyo	0	0	0.0%
Kern	0	0	0.0%
Kings	0	0	0.0%
Lake	0	0	0.0%
Lassen	0	0	0.0%
Los Angeles	405238	926914	43.7%
Madera	0	0	0.0%
Marin	0	0	0.0%
Mariposa	0	0	0.0%
Mendocino	0	0	0.0%
Merced	0	0	0.0%
Modoc	0	0	0.0%
Mono	0	0	0.0%
Monterey	0	0	0.0%
Napa	0	0	0.0%
Nevada	0	0	0.0%
Orange	0	50664	0.0%

Risk Analysis Results – Whittier Dam Failure – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	0	0.0%
Plumas	0	0	0.0%
Riverside	0	0	0.0%
Sacramento	0	0	0.0%
San Benito	0	0	0.0%
San Bernardino	0	0	0.0%
San Diego	0	0	0.0%
San Francisco	0	0	0.0%
San Joaquin	0	0	0.0%
San Luis Obispo	0	0	0.0%
San Mateo	0	0	0.0%
Santa Barbara	0	0	0.0%
Santa Clara	0	0	0.0%
Santa Cruz	0	0	0.0%
Shasta	0	0	0.0%
Sierra	0	0	0.0%
Siskiyou	0	0	0.0%
Solano	0	0	0.0%
Sonoma	0	0	0.0%
Stanislaus	0	0	0.0%
Sutter	0	0	0.0%
Tehama	0	0	0.0%
Trinity	0	0	0.0%
Tulare	0	0	0.0%
Tuolumne	0	0	0.0%
Ventura	0	0	0.0%
Yolo	0	0	0.0%
Yuba	0	0	0.0%
Total	405238	977578	41.5%

Risk Analysis Results – Whittier Dam Failure – State Bridges by County

County	# of Bridges
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	167
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	18

Risk Analysis Results – Whittier Dam Failure – State Bridges by County

County	# of Bridges
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	185

Risk Analysis Results – Whittier Dam Failure – State Dams by County

County	Number of State-Owned Dams
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	0
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – Whittier Dam Failure – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	26	166767	$0	$0	$0
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	0	0	$0	$0	$0
CA Dept of Food and Agriculture	62	78972	$25,734,109	$25,734,109	$51,468,217
CA Dept of Forestry and Fire Protection	0	0	$0	$0	$0
CA Dept of General Services	0	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	0	0	$0	$0	$0
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	2	24844	$2,950,861	$1,475,431	$4,426,292
CA Dept of Parks and Recreation	5	11050	$3,348,258	$2,367,046	$5,715,305
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	11	5160	$0	$0	$0
CA Dept of Veterans Affairs	0	0	$0	$0	$0
CA Dept of Water Resources	0	0	$0	$0	$0
CA Employment Development Department	0	0	$0	$0	$0
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	0	0	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	1	8667	$2,660,780	$3,991,170	$6,651,950
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	0	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	43	3269869	$39,975,514	$30,446,225	$70,421,739

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	0	0	$0	$0	$0
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	0	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	0	$0	$0	$0
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	150	3565329	$74,669,522	$64,013,981	$138,683,503

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	2	$13,636,926	$13,636,926	$27,273,851
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	1	$12,265,187	$12,265,187	$24,530,373
CA Dept of Consumer Affairs	2	$7,852,573	$8,369,628	$16,222,201
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	2	$37,522,906	$37,522,906	$75,045,812
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	1	$5,128,928	$5,128,928	$10,257,856
CA Dept of Food and Agriculture	1	$6,119,812	$6,119,812	$12,239,623

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	1	$12,265,187	$12,265,187	$24,530,373
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	0	$0	$0	$0
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	2	$21,253,191	$23,675,057	$44,928,248
CA Dept of Parks and Recreation	1	$296,628	$148,314	$444,942
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	1	$16,409,460	$16,409,460	$32,818,920
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	1	$6,818,463	$6,818,463	$13,636,926
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	3	$8,861,930	$8,985,164	$17,847,094
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	3	$17,292,761	$17,292,761	$34,585,522
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	1	$16,409,460	$16,409,460	$32,818,920
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	0	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	9	$1,366,144	$1,167,781	$2,533,925
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	31	$183,499,555	$186,215,032	$369,714,587

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	2	$13,636,926	$13,636,926	$27,273,851
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	1	$12,265,187	$12,265,187	$24,530,373
CA Dept of Consumer Affairs	2	$7,852,573	$8,369,628	$16,222,201
CA Dept of Corrections and Rehabilitation	26	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	2	$37,522,906	$37,522,906	$75,045,812
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	1	$5,128,928	$5,128,928	$10,257,856
CA Dept of Food and Agriculture	63	$31,853,920	$31,853,920	$63,707,841
CA Dept of Forestry and Fire Protection	1	$12,265,187	$12,265,187	$24,530,373
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	0	$0	$0	$0
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	4	$24,204,052	$25,150,487	$49,354,540
CA Dept of Parks and Recreation	6	$3,644,887	$2,515,361	$6,160,247
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	1	$16,409,460	$16,409,460	$32,818,920
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	1	$6,818,463	$6,818,463	$13,636,926
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	14	$8,861,930	$8,985,164	$17,847,094
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0
CA Employment Development Department	3	$17,292,761	$17,292,761	$34,585,522
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	1	$16,409,460	$16,409,460	$32,818,920
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	1	$2,660,780	$3,991,170	$6,651,950
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	52	$41,341,658	$31,614,006	$72,955,664
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	181	$258,169,077	$250,229,013	$508,398,090

Risk Analysis Results – Whittier Dam Failure – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	0	$0	$0	$0
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	0	0	$0	$0	$0
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	0	0	$0	$0	$0
Del Norte	0	0	$0	$0	$0
El Dorado	0	0	$0	$0	$0
Fresno	0	0	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	0	0	$0	$0	$0
Imperial	0	0	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	0	0	$0	$0	$0
Lassen	0	0	$0	$0	$0
Los Angeles	88	3486357	$48,935,413	$38,279,872	$87,215,286
Madera	0	0	$0	$0	$0
Marin	0	0	$0	$0	$0
Mariposa	0	0	$0	$0	$0
Mendocino	0	0	$0	$0	$0
Merced	0	0	$0	$0	$0
Modoc	0	0	$0	$0	$0
Mono	0	0	$0	$0	$0
Monterey	0	0	$0	$0	$0
Napa	0	0	$0	$0	$0
Nevada	0	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	62	78972	$25,734,109	$25,734,109	$51,468,217
Placer	0	0	$0	$0	$0
Plumas	0	0	$0	$0	$0
Riverside	0	0	$0	$0	$0
Sacramento	0	0	$0	$0	$0
San Benito	0	0	$0	$0	$0
San Bernardino	0	0	$0	$0	$0
San Diego	0	0	$0	$0	$0
San Francisco	0	0	$0	$0	$0
San Joaquin	0	0	$0	$0	$0
San Luis Obispo	0	0	$0	$0	$0
San Mateo	0	0	$0	$0	$0
Santa Barbara	0	0	$0	$0	$0
Santa Clara	0	0	$0	$0	$0
Santa Cruz	0	0	$0	$0	$0
Shasta	0	0	$0	$0	$0
Sierra	0	0	$0	$0	$0
Siskiyou	0	0	$0	$0	$0
Solano	0	0	$0	$0	$0
Sonoma	0	0	$0	$0	$0
Stanislaus	0	0	$0	$0	$0
Sutter	0	0	$0	$0	$0
Tehama	0	0	$0	$0	$0
Trinity	0	0	$0	$0	$0
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	0	0	$0	$0	$0
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	150	3565329	$74,669,522	$64,013,981	$138,683,503

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	31	$183,499,555	$186,215,032	$369,714,587
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	0	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	31	$183,499,555	$186,215,032	$369,714,587

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	119	$232,434,968	$224,494,905	$456,929,872
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	62	$25,734,109	$25,734,109	$51,468,217
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0

Risk Analysis Results – Whittier Dam Failure – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	0	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	181	$258,169,077	$250,229,013	$508,398,090

Risk Analysis Results – Whittier Dam Failure – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	26	166767	$0	$0	$0
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	0	0	$0	$0	$0
Special School	0	0	$0	$0	$0
Other Facility	124	3398562	$74,669,522	$64,013,981	$138,683,503
Total	150	3565329	$74,669,522	$64,013,981	$138,683,503

Risk Analysis Results – Whittier Dam Failure – State Highways by County

County	Miles of Highway
Alameda	0.0
Alpine	0.0
Amador	0.0
Butte	0.0
Calaveras	0.0
Colusa	0.0
Contra Costa	0.0
Del Norte	0.0
El Dorado	0.0
Fresno	0.0
Glenn	0.0
Humboldt	0.0
Imperial	0.0
Inyo	0.0
Kern	0.0
Kings	0.0
Lake	0.0
Lassen	0.0
Los Angeles	85.7
Madera	0.0
Marin	0.0
Mariposa	0.0
Mendocino	0.0
Merced	0.0
Modoc	0.0
Mono	0.0
Monterey	0.0
Napa	0.0
Nevada	0.0
Orange	8.1

Risk Analysis Results – Whittier Dam Failure – State Highways by County

County	Miles of Highway
Placer	0.0
Plumas	0.0
Riverside	0.0
Sacramento	0.0
San Benito	0.0
San Bernardino	0.0
San Diego	0.0
San Francisco	0.0
San Joaquin	0.0
San Luis Obispo	0.0
San Mateo	0.0
Santa Barbara	0.0
Santa Clara	0.0
Santa Cruz	0.0
Shasta	0.0
Sierra	0.0
Siskiyou	0.0
Solano	0.0
Sonoma	0.0
Stanislaus	0.0
Sutter	0.0
Tehama	0.0
Trinity	0.0
Tulare	0.0
Tuolumne	0.0
Ventura	0.0
Yolo	0.0
Yuba	0.0
Total	93.8

Risk Analysis Results – Whittier Dam Failure – State Water Project by Branch

County	Miles of Canals & Pipelines
California Aqueduct	0.0
Coastal Branch	0.0
East Branch	0.0
East Branch Extension	0.0
North Bay Aqueduct	0.0
Oroville	0.0
South Bay Aqueduct	0.0
West Branch	0.0
Total	0.0

Risk Analysis Results for Earthquake Liquefaction Zones

Risk Analysis Results – Earthquake Liquefaction Zones – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	5,647	83,922	6.7%
Alpine	0	50,861	0.0%
Amador	0	97,686	0.0%
Butte	0	88,320	0.0%
Calaveras	0	124,320	0.0%
Colusa	0	39,975	0.0%
Contra Costa	6,606	28,731	23.0%
Del Norte	0	10,802	0.0%
El Dorado	0	184,442	0.0%
Fresno	0	51,792	0.0%
Glenn	0	2,085	0.0%
Humboldt	0	78,482	0.0%
Imperial	0	710,020	0.0%
Inyo	0	246,441	0.0%
Kern	0	1,014,386	0.0%
Kings	0	8,907	0.0%
Lake	0	82,544	0.0%
Lassen	0	180,689	0.0%
Los Angeles	84,391	911,564	9.3%
Madera	0	41,190	0.0%
Marin	0	24,696	0.0%
Mariposa	0	228,533	0.0%
Mendocino	0	855,474	0.0%
Merced	0	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	0	130,547	0.0%
Monterey	0	92,667	0.0%
Napa	0	169,772	0.0%
Nevada	0	146,358	0.0%

Risk Analysis Results – Earthquake Liquefaction Zones – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	23,287	151,777	15.3%
Placer	0	122,653	0.0%
Plumas	0	60,257	0.0%
Riverside	7,017	1,065,179	0.7%
Sacramento	0	75,501	0.0%
San Benito	0	8,877	0.0%
San Bernardino	38	1,734,287	0.0%
San Diego	0	522,630	0.0%
San Francisco	986	4,245	23.2%
San Joaquin	2	28,214	0.0%
San Luis Obispo	0	733,458	0.0%
San Mateo	4,329	32,801	13.2%
Santa Barbara	2	28,657	0.0%
Santa Clara	5,184	43,054	12.0%
Santa Cruz	0	40,770	0.0%
Shasta	0	381,315	0.0%
Sierra	0	35,361	0.0%
Siskiyou	0	508,754	0.0%
Solano	0	55,831	0.0%
Sonoma	0	57,738	0.0%
Stanislaus	0	14,179	0.0%
Sutter	0	2,369	0.0%
Tehama	0	84,053	0.0%
Trinity	0	116,464	0.0%
Tulare	0	6,847	0.0%
Tuolumne	0	70,255	0.0%
Ventura	6,403	31,804	20.1%
Yolo	0	40,856	0.0%
Yuba	0	30,685	0.0%

Risk Analysis Results – Earthquake Liquefaction Zones – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	143,890	11,788,962	1.2%

Risk Analysis Results – Earthquake Liquefaction Zones – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	1	4	2	1	0	8	16
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	5	1	4	0	0	0	10
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	0	0	0	0	0	0	0
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0
Imperial	0	0	0	0	0	0	0	0
Inyo	0	0	0	0	0	0	0	0
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	4	18	13	4	4	3	23	69
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	0	0	0	0
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Earthquake Liquefaction Zones – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	3	8	2	2	1	0	16
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	1	0	0	0	0	1
Sacramento	0	0	0	0	0	0	0	0
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	0	0	0	0
San Diego	0	0	0	0	0	0	0	0
San Francisco	0	0	2	0	2	0	4	8
San Joaquin	0	0	0	0	0	0	0	0
San Luis Obispo	0	0	0	0	0	0	0	0
San Mateo	0	1	1	0	0	1	1	4
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	9	3	3	0	0	1	3	19
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	0	0
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	0	0	0	0	0	0
Sutter	0	0	0	0	0	0	0	0
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	1	4	0	0	0	1	6
Yolo	0	0	0	0	0	0	0	0

Risk Analysis Results – Earthquake Liquefaction Zones – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	13	32	37	12	9	6	40	149

Risk Analysis Results – Earthquake Liquefaction Zones – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	$500.0 Million to $1.0 Billion	$2.5 Billion to Greater Than $3.1 Billion	$200.0 Million to $1.0 Billion	$1.0 Billion to Greater Than $1.0 Billion	-	$1.3 Billion to Greater Than $2.9 Billion
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	$900.0 Million to $3.0 Billion	$10.0 Million to $100.0 Million	$1.2 Billion to Greater Than $2.1 Billion	-	-	-
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-
Imperial	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-
Kern	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	$620.0 Million to $1.7 Billion	$7.9 Billion to Greater Than $12.6 Billion	$2.5 Billion to Greater Than $5.6 Billion	$310.0 Million to $1.6 Billion	$4.0 Billion to Greater Than $4.0 Billion	$210.0 Million to $1.1 Billion	$5.0 Billion to Greater Than $11.3 Billion
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-

Risk Analysis Results – Earthquake Liquefaction Zones – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	$210.0 Million to $1.1 Billion	$2.3 Billion to Greater Than $4.7 Billion	$200.0 Million to $1.0 Billion	$10.0 Million to $110.0 Million	$0 to $10.0 Million	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	-	$10.0 Million to $100.0 Million	-	-	-	-
Sacramento	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-
San Diego	-	-	-	-	-	-	-
San Francisco	-	-	$510.0 Million to $1.1 Billion	-	$1.0 Billion to Greater Than $1.1 Billion	-	$1.7 Billion to Greater Than $3.0 Billion
San Joaquin	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	-	-	-	-
San Mateo	-	$10.0 Million to $100.0 Million	$500.0 Million to $1.0 Billion	-	-	$100.0 Million to $500.0 Million	$100.0 Million to $500.0 Million
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	$1.1 Billion to $4.2 Billion	$210.0 Million to $1.1 Billion	$1.1 Billion to Greater Than $1.6 Billion	-	-	$10.0 Million to $100.0 Million	$1.1 Billion to Greater Than $1.6 Billion

Risk Analysis Results – Earthquake Liquefaction Zones – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	-	-	-	-	-
Sutter	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	$100.0 Million to $500.0 Million	$40.0 Million to $400.0 Million	-	-	-	$1.0 Billion to Greater Than $1.0 Billion
Yolo	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – Earthquake Liquefaction Zones – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	143,700	861,343	16.7%
Alpine	0	0	0.0%
Amador	0	0	0.0%
Butte	0	0	0.0%
Calaveras	0	0	0.0%
Colusa	0	0	0.0%
Contra Costa	37,186	187,312	19.9%
Del Norte	0	0	0.0%
El Dorado	0	0	0.0%
Fresno	0	0	0.0%
Glenn	0	0	0.0%
Humboldt	0	0	0.0%
Imperial	0	0	0.0%
Inyo	0	0	0.0%
Kern	0	0	0.0%
Kings	0	0	0.0%
Lake	0	0	0.0%
Lassen	0	0	0.0%
Los Angeles	1,632,771	3,421,293	47.7%
Madera	0	0	0.0%
Marin	0	0	0.0%
Mariposa	0	0	0.0%
Mendocino	0	0	0.0%
Merced	0	0	0.0%
Modoc	0	0	0.0%
Mono	0	0	0.0%
Monterey	0	0	0.0%
Napa	0	0	0.0%
Nevada	0	0	0.0%
Orange	512,036	1,395,783	36.7%

Risk Analysis Results – Earthquake Liquefaction Zones – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	0	0.0%
Plumas	0	0	0.0%
Riverside	0	39,164	0.0%
Sacramento	0	0	0.0%
San Benito	0	0	0.0%
San Bernardino	0	212	0.0%
San Diego	0	3	0.0%
San Francisco	16,873	110,227	15.3%
San Joaquin	0	0	0.0%
San Luis Obispo	0	0	0.0%
San Mateo	45,565	296,920	15.3%
Santa Barbara	0	50	0.0%
Santa Clara	166,427	892,366	18.7%
Santa Cruz	0	0	0.0%
Shasta	0	0	0.0%
Sierra	0	0	0.0%
Siskiyou	0	0	0.0%
Solano	0	0	0.0%
Sonoma	0	0	0.0%
Stanislaus	0	0	0.0%
Sutter	0	0	0.0%
Tehama	0	0	0.0%
Trinity	0	0	0.0%
Tulare	0	0	0.0%
Tuolumne	0	0	0.0%
Ventura	152,948	397,421	38.5%
Yolo	0	0	0.0%
Yuba	0	0	0.0%
Total	2,707,505	7,602,095	35.6%

Risk Analysis Results – Earthquake Liquefaction Zones – State Bridges by County

County	# of Bridges
Alameda	309
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	32
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	961
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	328

Risk Analysis Results – Earthquake Liquefaction Zones – State Bridges by County

County	# of Bridges
Placer	0
Plumas	0
Riverside	17
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	33
San Joaquin	0
San Luis Obispo	0
San Mateo	114
Santa Barbara	0
Santa Clara	310
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	172
Yolo	0
Yuba	0
Total	2276

Risk Analysis Results – Earthquake Liquefaction Zones – State Dams by County

County	Number of State-Owned Dams
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	1
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	0
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – Earthquake Liquefaction Zones – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	1

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	1	54,000	$6,708,484	$6,708,484	$13,416,969
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	68	482,198	$33,750,554	$26,291,181	$60,041,735
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	65	523,918	$11,006,106	$10,184,807	$21,190,914
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	27	38,004	$3,353,591	$1,914,805	$5,268,395
CA Dept of Food and Agriculture	63	88,898	$27,426,771	$27,426,771	$54,853,543
CA Dept of Forestry and Fire Protection	4	62,613	$7,020,760	$4,687,204	$11,707,964
CA Dept of General Services	3	242,746	$31,818,003	$31,818,003	$63,636,006
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	0	0	$0	$0	$0
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	22	294,191	$42,075,630	$41,904,957	$83,980,587
CA Dept of Parks and Recreation	279	306,909	$33,022,171	$20,442,903	$53,465,074
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	1	126	$17,735	$17,735	$35,470
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	1	71,500	$5,669,649	$3,864,595	$9,534,245
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	187	1,050,256	$46,650,582	$48,648,855	$95,299,438
CA Dept of Veterans Affairs	1	47,000	$9,113,566	$9,113,566	$18,227,131
CA Dept of Water Resources	1	48,395	$1,665,913	$1,665,913	$3,331,826
CA Employment Development Department	1	29,013	$0	$0	$0
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	0	0	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	20	115,615	$33,096,071	$44,799,392	$77,895,463
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	1	10,042	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	188	12,508,240	$1,015,995,892	$1,081,257,910	$2,097,253,802

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	73	668,399	$150,841,756	$156,800,542	$307,642,299
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	16	1,916,427	$284,357,910	$300,532,460	$584,890,369
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	37	17,870	$865,597	$432,798	$1,298,395
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	1	57,500	$15,166,781	$15,166,781	$30,333,561

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	1,060	18,633,860	$1,759,623,523	$1,833,679,663	$3,593,303,186

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	2	$5,346,385	$5,346,385	$10,692,771
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	5	$30,953,223	$30,953,223	$61,906,445
CA Dept of Cannabis Control	1	$1,501,972	$1,501,972	$3,003,944
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	2	$27,463,799	$27,463,799	$54,927,598
CA Dept of Consumer Affairs	15	$61,760,383	$62,277,438	$124,037,820
CA Dept of Corrections and Rehabilitation	10	$35,063,444	$34,583,433	$69,646,876
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	14	$63,911,035	$61,815,421	$125,726,456
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	2	$95,156,462	$95,156,462	$190,312,924
CA Dept of Fish and Wildlife	17	$64,162,924	$60,987,844	$125,150,768
CA Dept of Food and Agriculture	9	$19,039,102	$21,821,594	$40,860,696

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	8	$23,967,127	$23,967,127	$47,934,253
CA Dept of General Services	1	$14,870,365	$14,870,365	$29,740,731
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	4	$34,592,001	$34,592,001	$69,184,003
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	12	$87,109,270	$86,192,975	$173,302,246
CA Dept of Insurance	2	$17,857,345	$17,857,345	$35,714,690
CA Dept of Justice	2	$6,932,536	$6,932,536	$13,865,071
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	19	$94,163,656	$96,845,790	$191,009,445
CA Dept of Parks and Recreation	1	$1,669,496	$1,669,496	$3,338,993
CA Dept of Pesticide Regulation	1	$14,870,365	$14,870,365	$29,740,731
CA Dept of Public Health	3	$32,075,032	$32,075,032	$64,150,064
CA Dept of Real Estate	1	$738,876	$738,876	$1,477,753
CA Dept of Rehabilitation	12	$36,414,938	$39,818,266	$76,233,204
CA Dept of Resources Recycling and Recovery	1	$16,409,460	$16,409,460	$32,818,920
CA Dept of Social Services	7	$37,965,035	$37,965,035	$75,930,070
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	3	$13,377,411	$13,377,411	$26,754,821
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	2	$8,053,620	$8,053,620	$16,107,239
CA Dept of Transportation	7	$11,425,968	$11,317,854	$22,743,822
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	26	$173,841,067	$172,705,517	$346,546,584
CA Franchise Tax Board	1	$5,852,874	$5,852,874	$11,705,748
CA Governor's Office of Emergency Services	2	$1,869,862	$1,869,862	$3,739,724
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	1	$16,409,460	$16,409,460	$32,818,920
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	2	$5,517,553	$5,472,080	$10,989,634
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	1	$3,582,687	$3,582,687	$7,165,373
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	5	$7,261,493	$7,392,131	$14,653,625
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	1	$1,421,468	$1,421,468	$2,842,936
California Lottery	1	$6,532,547	$6,532,547	$13,065,093
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	3	$8,218,916	$8,218,916	$16,437,832
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	22	$35,459,672	$38,232,864	$73,692,536
California State Water Resources Control Board	1	$14,870,365	$14,870,365	$29,740,731
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	2	$15,293,922	$15,293,922	$30,587,845
Judicial Council of California	1	$3,077,373	$3,077,373	$6,154,746
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	235	$1,185,108,167	$1,189,440,868	$2,374,549,035

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	3	$12,054,870	$12,054,870	$24,109,739
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	5	$30,953,223	$30,953,223	$61,906,445
CA Dept of Cannabis Control	1	$1,501,972	$1,501,972	$3,003,944
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	2	$27,463,799	$27,463,799	$54,927,598
CA Dept of Consumer Affairs	15	$61,760,383	$62,277,438	$124,037,820
CA Dept of Corrections and Rehabilitation	78	$68,813,998	$60,874,614	$129,688,612

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	79	$74,917,141	$72,000,229	$146,917,370
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	2	$95,156,462	$95,156,462	$190,312,924
CA Dept of Fish and Wildlife	44	$67,516,515	$62,902,648	$130,419,163
CA Dept of Food and Agriculture	72	$46,465,873	$49,248,365	$95,714,238
CA Dept of Forestry and Fire Protection	12	$30,987,887	$28,654,331	$59,642,218
CA Dept of General Services	4	$46,688,368	$46,688,368	$93,376,736
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	4	$34,592,001	$34,592,001	$69,184,003
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	12	$87,109,270	$86,192,975	$173,302,246
CA Dept of Insurance	2	$17,857,345	$17,857,345	$35,714,690
CA Dept of Justice	2	$6,932,536	$6,932,536	$13,865,071
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	41	$136,239,286	$138,750,746	$274,990,032
CA Dept of Parks and Recreation	280	$34,691,667	$22,112,400	$56,804,067
CA Dept of Pesticide Regulation	1	$14,870,365	$14,870,365	$29,740,731
CA Dept of Public Health	3	$32,075,032	$32,075,032	$64,150,064
CA Dept of Real Estate	1	$738,876	$738,876	$1,477,753
CA Dept of Rehabilitation	13	$36,432,673	$39,836,001	$76,268,674
CA Dept of Resources Recycling and Recovery	1	$16,409,460	$16,409,460	$32,818,920
CA Dept of Social Services	7	$37,965,035	$37,965,035	$75,930,070
CA Dept of State Hospitals	1	$5,669,649	$3,864,595	$9,534,245

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	3	$13,377,411	$13,377,411	$26,754,821
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	2	$8,053,620	$8,053,620	$16,107,239
CA Dept of Transportation	194	$58,076,550	$59,966,710	$118,043,260
CA Dept of Veterans Affairs	1	$9,113,566	$9,113,566	$18,227,131
CA Dept of Water Resources	1	$1,665,913	$1,665,913	$3,331,826
CA Employment Development Department	27	$173,841,067	$172,705,517	$346,546,584
CA Franchise Tax Board	1	$5,852,874	$5,852,874	$11,705,748
CA Governor's Office of Emergency Services	2	$1,869,862	$1,869,862	$3,739,724
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	1	$16,409,460	$16,409,460	$32,818,920
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	2	$5,517,553	$5,472,080	$10,989,634

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	1	$3,582,687	$3,582,687	$7,165,373
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	25	$40,357,565	$52,191,523	$92,549,088
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	1	$1,421,468	$1,421,468	$2,842,936
California Lottery	2	$6,532,547	$6,532,547	$13,065,093
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	3	$8,218,916	$8,218,916	$16,437,832
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	210	$1,051,455,564	$1,119,490,774	$2,170,946,338
California State Water Resources Control Board	1	$14,870,365	$14,870,365	$29,740,731
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	73	$150,841,756	$156,800,542	$307,642,299
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	2	$15,293,922	$15,293,922	$30,587,845
Judicial Council of California	17	$287,435,282	$303,609,833	$591,045,115
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	37	$865,597	$432,798	$1,298,395
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	1	$15,166,781	$15,166,781	$30,333,561
Total	1295	$2,944,731,690	$3,023,120,530	$5,967,852,220

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	103	1,226,082	$116,159,824	$122,796,543	$238,956,366
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	0	0	$0	$0	$0
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	42	158,633	$14,778,697	$14,008,693	$28,787,390
Del Norte	0	0	$0	$0	$0
El Dorado	0	0	$0	$0	$0
Fresno	0	0	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	0	0	$0	$0	$0
Imperial	0	0	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	0	0	$0	$0	$0
Lassen	0	0	$0	$0	$0
Los Angeles	298	7,889,251	$543,659,021	$578,346,566	$1,122,005,587
Madera	0	0	$0	$0	$0
Marin	0	0	$0	$0	$0
Mariposa	0	0	$0	$0	$0
Mendocino	0	0	$0	$0	$0
Merced	0	0	$0	$0	$0
Modoc	0	0	$0	$0	$0
Mono	0	0	$0	$0	$0
Monterey	0	0	$0	$0	$0
Napa	0	0	$0	$0	$0
Nevada	0	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	183	400,826	$50,831,429	$51,657,197	$102,488,626
Placer	0	0	$0	$0	$0
Plumas	0	0	$0	$0	$0
Riverside	4	18,049	$3,436,619	$4,434,634	$7,871,254
Sacramento	0	0	$0	$0	$0
San Benito	0	0	$0	$0	$0
San Bernardino	0	0	$0	$0	$0
San Diego	0	0	$0	$0	$0
San Francisco	36	1,148,435	$77,137,202	$65,237,435	$142,374,636
San Joaquin	0	0	$0	$0	$0
San Luis Obispo	0	0	$0	$0	$0
San Mateo	46	356,894	$166,364,687	$175,990,665	$342,355,352
Santa Barbara	0	0	$0	$0	$0
Santa Clara	94	5,738,594	$508,758,969	$484,571,434	$993,330,403
Santa Cruz	0	0	$0	$0	$0
Shasta	0	0	$0	$0	$0
Sierra	0	0	$0	$0	$0
Siskiyou	0	0	$0	$0	$0
Solano	0	0	$0	$0	$0
Sonoma	0	0	$0	$0	$0
Stanislaus	0	0	$0	$0	$0
Sutter	0	0	$0	$0	$0
Tehama	0	0	$0	$0	$0
Trinity	0	0	$0	$0	$0
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	254	1,697,096	$278,497,076	$336,636,496	$615,133,571
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	1060	18,633,860	$1,759,623,523	$1,833,679,663	$3,593,303,186

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	21	$147,266,299	$147,666,144	$294,932,443
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	3	$3,572,066	$3,572,066	$7,144,132
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	84	$328,856,593	$335,285,149	$664,141,742
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	39	$295,566,330	$293,178,564	$588,744,895
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	8	$11,756,507	$12,513,196	$24,269,704
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	14	$149,060,551	$148,580,541	$297,641,092
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	11	$97,094,542	$97,094,542	$194,189,084
Santa Barbara	0	$0	$0	$0
Santa Clara	30	$85,410,282	$88,443,997	$173,854,279
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	25	$66,524,997	$63,106,668	$129,631,665
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	235	$1,185,108,167	$1,189,440,868	$2,374,549,035

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	124	$263,426,122	$270,462,687	$533,888,809
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	45	$18,350,763	$17,580,759	$35,931,522
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	382	$872,515,614	$913,631,714	$1,786,147,329
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	222	$346,397,759	$344,835,762	$691,233,521
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	12	$15,193,127	$16,947,831	$32,140,957
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	50	$226,197,753	$213,817,975	$440,015,728
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	57	$263,459,229	$273,085,207	$536,544,436
Santa Barbara	0	$0	$0	$0
Santa Clara	124	$594,169,251	$573,015,431	$1,167,184,681
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	279	$345,022,073	$399,743,164	$744,765,237
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	1295	$2,944,731,690	$3,023,120,530	$5,967,852,220

Risk Analysis Results – Earthquake Liquefaction Zones – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	68	482,198	$33,750,554	$26,291,181	$60,041,735
Development Center	0	0	$0	$0	$0
Hospital	1	71,500	$5,669,649	$3,864,595	$9,534,245
Migrant Center	0	0	$0	$0	$0
Special School	64	510,744	$10,729,356	$9,928,709	$20,658,065
Other Facility	927	17,569,418	$1,709,473,964	$1,793,595,177	$3,503,069,141
Total	1,060	18,633,860	$1,759,623,523	$1,833,679,663	$3,593,303,186

Risk Analysis Results – Earthquake Liquefaction Zones – State Highways by County

County	Miles of Highway
Alameda	219.3
Alpine	0.0
Amador	0.0
Butte	0.0
Calaveras	0.0
Colusa	0.0
Contra Costa	30.1
Del Norte	0.0
El Dorado	0.0
Fresno	0.0
Glenn	0.0
Humboldt	0.0
Imperial	0.0
Inyo	0.0
Kern	0.0
Kings	0.0
Lake	0.0
Lassen	0.0
Los Angeles	535.6
Madera	0.0
Marin	0.0
Mariposa	0.0
Mendocino	0.0
Merced	0.0
Modoc	0.0
Mono	0.0
Monterey	0.0
Napa	0.0
Nevada	0.0
Orange	245.8

Risk Analysis Results – Earthquake Liquefaction Zones – State Highways by County

County	Miles of Highway
Placer	0.0
Plumas	0.0
Riverside	11.7
Sacramento	0.0
San Benito	0.0
San Bernardino	0.2
San Diego	0.0
San Francisco	17.2
San Joaquin	0.0
San Luis Obispo	0.0
San Mateo	128.9
Santa Barbara	0.0
Santa Clara	177.3
Santa Cruz	0.0
Shasta	0.0
Sierra	0.0
Siskiyou	0.0
Solano	0.0
Sonoma	0.0
Stanislaus	0.0
Sutter	0.0
Tehama	0.0
Trinity	0.0
Tulare	0.0
Tuolumne	0.0
Ventura	235.9
Yolo	0.0
Yuba	0.0
Total	1,601.9

Risk Analysis Results – Earthquake Liquefaction Zones – State Water Project by Branch

County	Number of State-Owned Dams
California Aqueduct	0.0
Coastal Branch	0.0
East Branch	5.2
East Branch Extension	0.0
North Bay Aqueduct	0.0
Oroville	0.0
South Bay Aqueduct	1.3
West Branch	0.0
Total	6.5

Risk Analysis Results for Earthquake Shaking

Risk Analysis Results – Earthquake Shaking – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	29,903	83,922	35.6%
Alpine	2,084	50,861	4.1%
Amador	0	97,686	0.0%
Butte	0	88,320	0.0%
Calaveras	0	124,320	0.0%
Colusa	0	39,975	0.0%
Contra Costa	13,450	28,731	46.8%
Del Norte	2,684	10,802	24.8%
El Dorado	0	184,442	0.0%
Fresno	19	51,792	0.0%
Glenn	0	2,085	0.0%
Humboldt	49,345	78,482	62.9%
Imperial	116,245	710,020	16.4%
Inyo	859	246,441	0.3%
Kern	74,383	1,014,386	7.3%
Kings	0	8,907	0.0%
Lake	4,992	82,544	6.0%
Lassen	0	180,689	0.0%
Los Angeles	446,722	911,564	49.0%
Madera	0	41,190	0.0%
Marin	4,646	24,696	18.8%
Mariposa	0	228,533	0.0%
Mendocino	119,978	855,474	14.0%
Merced	0	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	0	130,547	0.0%
Monterey	9,155	92,667	9.9%
Napa	23,838	169,772	14.0%
Nevada	0	146,358	0.0%

Risk Analysis Results – Earthquake Shaking – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	1,053	151,777	0.7%
Placer	0	122,653	0.0%
Plumas	0	60,257	0.0%
Riverside	318,203	1,065,179	29.9%
Sacramento	0	75,501	0.0%
San Benito	3,888	8,877	43.8%
San Bernardino	174,727	1,734,287	10.1%
San Diego	42,329	522,630	8.1%
San Francisco	2,864	4,245	67.5%
San Joaquin	0	28,214	0.0%
San Luis Obispo	230,246	733,458	31.4%
San Mateo	24,609	32,801	75.0%
Santa Barbara	10,177	28,657	35.5%
Santa Clara	23,037	43,054	53.5%
Santa Cruz	29,556	40,770	72.5%
Shasta	0	381,315	0.0%
Sierra	0	35,361	0.0%
Siskiyou	0	508,754	0.0%
Solano	1,557	55,831	2.8%
Sonoma	25,293	57,738	43.8%
Stanislaus	0	14,179	0.0%
Sutter	0	2,369	0.0%
Tehama	0	84,053	0.0%
Trinity	2,024	116,464	1.7%
Tulare	0	6,847	0.0%
Tuolumne	0	70,255	0.0%
Ventura	12,898	31,804	40.6%
Yolo	0	40,856	0.0%
Yuba	0	30,685	0.0%

Risk Analysis Results – Earthquake Shaking – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	1,800,765	11,788,962	15.3%

Risk Analysis Results – Earthquake Shaking – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	2	10	2	2	3	10	29
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	9	4	0	3	1	3	20
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	0	0	0	0	0	0	0
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	1	0	0	0	1	0	2
Imperial	0	1	2	1	0	0	2	6
Inyo	0	0	0	0	0	0	0	0
Kern	0	1	2	0	0	0	0	3
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	9	20	20	4	7	3	17	80
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	1	0	1	2
Mariposa	0	0	0	0	0	0	0	0
Mendocino	1	0	0	0	0	0	0	1
Merced	0	1	0	0	0	0	0	1
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	1	0	0	1
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Earthquake Shaking – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	0	0	0	0	0	0
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	2	2	7	0	0	0	0	11
Sacramento	0	0	0	0	0	0	0	0
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	7	10	1	3	2	2	25
San Diego	0	0	0	0	0	0	0	0
San Francisco	2	0	3	0	3	1	7	16
San Joaquin	0	0	0	0	0	0	0	0
San Luis Obispo	0	1	3	0	0	0	0	4
San Mateo	0	1	6	0	1	1	1	10
Santa Barbara	0	1	0	0	0	1	0	2
Santa Clara	10	3	4	0	2	1	3	23
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	0	0
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	1	0	1
Stanislaus	0	0	0	0	0	0	0	0
Sutter	0	0	0	0	0	0	0	0
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	1	2	0	0	1	0	4
Yolo	0	0	0	0	0	0	0	0

Risk Analysis Results – Earthquake Shaking – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	24	51	73	8	23	16	46	241

Risk Analysis Results – Earthquake Shaking – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	$500.0 Million to $1.0 Billion	$2.8 Billion to Greater Than $5.8 Billion	$200.0 Million to $1.0 Billion	$1.1 Billion to Greater Than $1.5 Billion	$1.0 Billion to $2.1 Billion	$2.3 Billion to Greater Than $4.9 Billion
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	$5.3 Billion to Greater Than $6.6 Billion	$400.0 Million to $2.0 Billion	-	$3.0 Billion to Greater Than $3.0 Billion	$0 to $10.0 Million	$610.0 Million to $1.6 Billion
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	$10.0 Million to $100.0 Million	-	-	-	$0 to $10.0 Million	-
Imperial	-	$10.0 Million to $100.0 Million	$100.0 Million to $510.0 Million	$10.0 Million to $100.0 Million	-	-	$1.0 Billion to $2.0 Billion
Inyo	-	-	-	-	-	-	-
Kern	-	$100.0 Million to $500.0 Million	$10.0 Million to $110.0 Million	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-

Risk Analysis Results – Earthquake Shaking – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Los Angeles	$2.4 Billion to Greater Than $5.2 Billion	$7.4 Billion to Greater Than $14.6 Billion	$4.3 Billion to Greater Than $10.2 Billion	$220.0 Million to $1.2 Billion	$5.1 Billion to Greater Than $5.6 Billion	$210.0 Million to $1.1 Billion	$2.5 Billion to $8.4 Billion
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	$10.0 Million to $100.0 Million	-	$10.0 Million to $100.0 Million
Mariposa	-	-	-	-	-	-	-
Mendocino	$100.0 Million to $500.0 Million	-	-	-	-	-	-
Merced	-	$1.0 Billion to Greater Than $1.0 Billion	-	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-
Napa	-	-	-	-	$500.0 Million to $1.0 Billion	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	$200.0 Million to $1.0 Billion	$1.5 Billion to Greater Than $2.0 Billion	$330.0 Million to $1.8 Billion	-	-	-	-
Sacramento	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-

Risk Analysis Results – Earthquake Shaking – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
San Bernardino	-	$2.9 Billion to Greater Than $5.0 Billion	$3.6 Billion to Greater Than $5.0 Billion	$10.0 Million to $100.0 Million	$2.0 Billion to Greater Than $2.0 Billion	$100.0 Million to $510.0 Million	$20.0 Million to $200.0 Million
San Diego	-	-	-	-	-	-	-
San Francisco	$600.0 Million to $1.5 Billion	-	$520.0 Million to $1.2 Billion	-	$2.0 Billion to Greater Than $2.1 Billion	$10.0 Million to $100.0 Million	$3.8 Billion to Greater Than $5.5 Billion
San Joaquin	-	-	-	-	-	-	-
San Luis Obispo	-	$1.0 Billion to Greater Than $1.0 Billion	$30.0 Million to $300.0 Million	-	-	-	-
San Mateo	-	$10.0 Million to $100.0 Million	$1.8 Billion to Greater Than $3.6 Billion	-	$10.0 Million to $100.0 Million	$100.0 Million to $500.0 Million	$100.0 Million to $500.0 Million
Santa Barbara	-	$1.0 Billion to Greater Than $1.0 Billion	-	-	-	$100.0 Million to $500.0 Million	-
Santa Clara	$1.2 Billion to $4.7 Billion	$210.0 Million to $1.1 Billion	$1.1 Billion to Greater Than $1.7 Billion	-	$2.0 Billion to Greater Than $2.0 Billion	$10.0 Million to $100.0 Million	$1.1 Billion to Greater Than $1.6 Billion
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	$0 to $10.0 Million	-
Stanislaus	-	-	-	-	-	-	-

Risk Analysis Results – Earthquake Shaking – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Sutter	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	$100.0 Million to $500.0 Million	$20.0 Million to $200.0 Million	-	-	$10.0 Million to $100.0 Million	-
Yolo	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – Earthquake Shaking – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	285,321	1,555,330	18.3%
Alpine	510	510	100.0%
Amador	0	0	0.0%
Butte	0	0	0.0%
Calaveras	0	0	0.0%
Colusa	0	0	0.0%
Contra Costa	134,347	756,559	17.8%
Del Norte	729	5,314	13.7%
El Dorado	0	0	0.0%
Fresno	339	339	100.0%
Glenn	0	0	0.0%
Humboldt	11,351	123,412	9.2%
Imperial	131,358	158,276	83.0%
Inyo	0	14	0.0%
Kern	10,081	17,840	56.5%
Kings	0	0	0.0%
Lake	331	3,914	8.5%
Lassen	0	0	0.0%
Los Angeles	1,916,591	5,111,989	37.5%
Madera	0	0	0.0%
Marin	12,652	82,612	15.3%
Mariposa	0	0	0.0%
Mendocino	28,341	62,934	45.0%
Merced	0	0	0.0%
Modoc	0	0	0.0%
Mono	0	0	0.0%
Monterey	13,045	49,466	26.4%
Napa	16,139	94,960	17.0%
Nevada	0	0	0.0%
Orange	0	14,503	0.0%

Risk Analysis Results – Earthquake Shaking – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	0	0.0%
Plumas	0	0	0.0%
Riverside	434,378	1,038,635	41.8%
Sacramento	0	0	0.0%
San Benito	4,463	62,367	7.2%
San Bernardino	521,227	1,121,665	46.5%
San Diego	0	1,317	0.0%
San Francisco	58,133	639,629	9.1%
San Joaquin	0	0	0.0%
San Luis Obispo	0	3,297	0.0%
San Mateo	58,638	666,835	8.8%
Santa Barbara	17,306	203,956	8.5%
Santa Clara	217,286	1,886,818	11.5%
Santa Cruz	62,705	154,016	40.7%
Shasta	0	0	0.0%
Sierra	0	0	0.0%
Siskiyou	0	0	0.0%
Solano	20,159	63,298	31.8%
Sonoma	56,449	371,990	15.2%
Stanislaus	9	9	100.0%
Sutter	0	0	0.0%
Tehama	0	0	0.0%
Trinity	0	219	0.0%
Tulare	0	0	0.0%
Tuolumne	0	0	0.0%
Ventura	71,226	423,971	16.8%
Yolo	0	0	0.0%
Yuba	0	0	0.0%
Total	4,083,116	14,675,993	27.8%

Risk Analysis Results – Earthquake Shaking – State Bridges by County

County	# of Bridges
Alameda	431
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	226
Del Norte	15
El Dorado	0
Fresno	3
Glenn	0
Humboldt	159
Imperial	117
Inyo	0
Kern	19
Kings	0
Lake	2
Lassen	0
Los Angeles	1291
Madera	0
Marin	66
Mariposa	0
Mendocino	154
Merced	2
Modoc	0
Mono	0
Monterey	20
Napa	37
Nevada	0
Orange	7

Risk Analysis Results – Earthquake Shaking – State Bridges by County

County	# of Bridges
Placer	0
Plumas	0
Riverside	272
Sacramento	0
San Benito	27
San Bernardino	386
San Diego	0
San Francisco	80
San Joaquin	0
San Luis Obispo	5
San Mateo	226
Santa Barbara	127
Santa Clara	511
Santa Cruz	53
Shasta	0
Sierra	0
Siskiyou	0
Solano	53
Sonoma	154
Stanislaus	0
Sutter	0
Tehama	0
Trinity	1
Tulare	0
Tuolumne	0
Ventura	198
Yolo	0
Yuba	0
Total	4642

Risk Analysis Results – Earthquake Shaking – State Dams by County

County	Number of State-Owned Dams
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	1
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	1
Nevada	0
Orange	0

Risk Analysis Results – Earthquake Shaking – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	2
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	1
Santa Barbara	0
Santa Clara	0
Santa Cruz	1
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	3
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	9

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	1	54000	$6,708,484	$6,708,484	$13,416,969
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	150	1707566	$71,675,721	$54,920,790	$126,596,511
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	65	523918	$11,006,106	$10,184,807	$21,190,914
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	143	303095	$10,296,202	$5,974,141	$16,270,343
CA Dept of Food and Agriculture	0	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	429	786497	$242,212,023	$236,985,118	$479,197,141
CA Dept of General Services	150	5405197	$381,957,473	$418,983,450	$800,940,923
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	3	231750	$515,052,873	$257,526,437	$772,579,310
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	1	14645	$3,285,839	$3,285,839	$6,571,679
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	40	442493	$70,909,176	$73,667,555	$144,576,731
CA Dept of Parks and Recreation	1920	1973482	$88,440,642	$74,374,463	$162,815,105
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	7	697153	$79,327,904	$90,002,833	$169,330,737
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	4	42278	$5,950,867	$5,950,867	$11,901,734
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	308	2866825	$95,505,290	$114,662,785	$210,168,075
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	548	2917518	$488,615,211	$503,020,754	$991,635,965
CA Dept of Veterans Affairs	6	442442	$34,639,673	$23,987,191	$58,626,864
CA Dept of Water Resources	13	207073	$4,251,685	$4,251,685	$8,503,370
CA Employment Development Department	11	244106	$29,603,079	$28,987,400	$58,590,479
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	49	92593	$3,833,040	$3,833,040	$7,666,080
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	43	235693	$67,980,855	$90,681,769	$158,662,624
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	3	42348	$4,425,890	$4,425,890	$8,851,780
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	2	21723	$923,712	$923,712	$1,847,425
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	511	29960875	$1,622,625,864	$1,739,943,421	$3,362,569,285

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	245	1683808	$245,601,993	$267,469,131	$513,071,124
Exposition Park California	9	1828101	$51,659,745	$51,659,745	$103,319,490
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	41	5553889	$1,196,205,690	$1,272,360,870	$2,468,566,560
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	37	17870	$865,597	$432,798	$1,298,395
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	616	13355428	$542,529,638	$518,599,205	$1,061,128,843

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	5355	71652366	$5,876,090,273	$5,863,804,181	$11,739,894,454

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	6	$13,230,095	$13,230,095	$26,460,190
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	8	$16,451,354	$16,451,354	$32,902,708
CA Dept of Cannabis Control	2	$11,017,692	$11,017,692	$22,035,383
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	4	$19,368,422	$19,368,422	$38,736,844
CA Dept of Consumer Affairs	20	$87,069,512	$84,724,193	$171,793,706
CA Dept of Corrections and Rehabilitation	24	$38,818,946	$36,783,751	$75,602,697
CA Dept of Developmental Services	3	$16,342,407	$12,113,269	$28,455,676
CA Dept of Education	13	$35,538,613	$35,827,993	$71,366,606
CA Dept of Fair Employment and Housing	1	$11,480,339	$11,480,339	$22,960,679
CA Dept of Financial Protection and Innovation	5	$98,045,138	$98,045,138	$196,090,276
CA Dept of Fish and Wildlife	48	$127,228,351	$129,646,355	$256,874,706
CA Dept of Food and Agriculture	14	$35,121,791	$40,727,500	$75,849,291

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	34	$47,883,639	$45,961,097	$93,844,736
CA Dept of General Services	5	$149,160,588	$149,160,588	$298,321,176
CA Dept of Health Care Access and Information	1	$70,912,099	$70,912,099	$141,824,197
CA Dept of Health Care Services	5	$48,616,957	$48,616,957	$97,233,914
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	19	$212,710,372	$209,328,712	$422,039,085
CA Dept of Insurance	5	$22,740,235	$23,913,323	$46,653,558
CA Dept of Justice	1	$4,310,253	$4,310,253	$8,620,506
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	34	$108,232,687	$108,987,222	$217,219,909
CA Dept of Parks and Recreation	4	$2,390,848	$2,168,526	$4,559,374
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	10	$59,970,917	$63,712,609	$123,683,525
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	28	$203,588,548	$208,583,177	$412,171,725
CA Dept of Resources Recycling and Recovery	1	$9,077,351	$9,077,351	$18,154,702
CA Dept of Social Services	16	$164,885,482	$166,744,285	$331,629,768
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	5	$48,962,309	$48,851,985	$97,814,293
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	4	$18,185,180	$19,577,579	$37,762,759
CA Dept of Transportation	14	$18,030,869	$17,658,141	$35,689,009
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	2	$4,058,566	$5,228,581	$9,287,147

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	33	$186,448,013	$187,426,997	$373,875,010
CA Franchise Tax Board	2	$20,887,609	$20,887,609	$41,775,219
CA Governor's Office of Emergency Services	8	$17,841,487	$19,044,931	$36,886,417
CA Governor's Office of Business and Economic Development	1	$8,465,542	$8,465,542	$16,931,083
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	1	$7,901,513	$7,901,513	$15,803,026
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	1	$1,059,073	$1,059,073	$2,118,145
California Agricultural Labor Relations Board	1	$331,262	$331,262	$662,525
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	2	$10,414,549	$12,908,520	$23,323,070
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	12	$11,208,410	$12,278,170	$23,486,579
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	1	$70,912,099	$70,912,099	$141,824,197
California Highway Patrol	10	$31,186,138	$34,893,245	$66,079,383
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	1	$1,421,468	$1,421,468	$2,842,936
California Lottery	2	$8,426,535	$8,426,535	$16,853,071
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	4	$7,858,892	$6,975,503	$14,834,395
California Office of the State Public Defender	1	$8,111,670	$8,111,670	$16,223,340
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	2	$7,629,791	$7,629,791	$15,259,582
California Public Utilities Commission	5	$71,900,664	$71,900,664	$143,801,329
California State Board of Equalization	1	$2,382,768	$2,382,768	$4,765,536
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	2	$3,417,109	$3,417,109	$6,834,219
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	26	$42,444,646	$44,368,093	$86,812,738
California State Water Resources Control Board	5	$15,976,795	$15,976,795	$31,953,590
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	1	$5,028,686	$5,028,686	$10,057,372
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	2	$3,870,915	$3,870,915	$7,741,831
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	2	$15,293,922	$15,293,922	$30,587,845
Judicial Council of California	2	$21,138,273	$21,138,273	$42,276,547
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	1	$43,490,184	$43,490,184	$86,980,367
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	468	$2,357,525,251	$2,376,797,602	$4,734,322,853

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	7	$19,938,579	$19,938,579	$39,877,158
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	8	$16,451,354	$16,451,354	$32,902,708
CA Dept of Cannabis Control	2	$11,017,692	$11,017,692	$22,035,383
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	4	$19,368,422	$19,368,422	$38,736,844
CA Dept of Consumer Affairs	20	$87,069,512	$84,724,193	$171,793,706
CA Dept of Corrections and Rehabilitation	174	$110,494,666	$91,704,542	$202,199,208

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	3	$16,342,407	$12,113,269	$28,455,676
CA Dept of Education	78	$46,544,719	$46,012,800	$92,557,519
CA Dept of Fair Employment and Housing	1	$11,480,339	$11,480,339	$22,960,679
CA Dept of Financial Protection and Innovation	5	$98,045,138	$98,045,138	$196,090,276
CA Dept of Fish and Wildlife	191	$137,524,553	$135,620,496	$273,145,048
CA Dept of Food and Agriculture	14	$35,121,791	$40,727,500	$75,849,291
CA Dept of Forestry and Fire Protection	463	$290,095,662	$282,946,215	$573,041,877
CA Dept of General Services	155	$531,118,061	$568,144,037	$1,099,262,098
CA Dept of Health Care Access and Information	1	$70,912,099	$70,912,099	$141,824,197
CA Dept of Health Care Services	5	$48,616,957	$48,616,957	$97,233,914
CA Dept of Housing & Community Development	3	$515,052,873	$257,526,437	$772,579,310
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	19	$212,710,372	$209,328,712	$422,039,085
CA Dept of Insurance	5	$22,740,235	$23,913,323	$46,653,558
CA Dept of Justice	2	$7,596,093	$7,596,093	$15,192,185
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	74	$179,141,863	$182,654,777	$361,796,640
CA Dept of Parks and Recreation	1924	$90,831,490	$76,542,989	$167,374,479
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	17	$139,298,820	$153,715,442	$293,014,262
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	32	$209,539,415	$214,534,044	$424,073,459
CA Dept of Resources Recycling and Recovery	1	$9,077,351	$9,077,351	$18,154,702
CA Dept of Social Services	16	$164,885,482	$166,744,285	$331,629,768
CA Dept of State Hospitals	308	$95,505,290	$114,662,785	$210,168,075

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	5	$48,962,309	$48,851,985	$97,814,293
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	4	$18,185,180	$19,577,579	$37,762,759
CA Dept of Transportation	562	$506,646,080	$520,678,894	$1,027,324,974
CA Dept of Veterans Affairs	6	$34,639,673	$23,987,191	$58,626,864
CA Dept of Water Resources	15	$8,310,251	$9,480,266	$17,790,517
CA Employment Development Department	44	$216,051,092	$216,414,397	$432,465,489
CA Franchise Tax Board	2	$20,887,609	$20,887,609	$41,775,219
CA Governor's Office of Emergency Services	8	$17,841,487	$19,044,931	$36,886,417
CA Governor's Office of Business and Economic Development	1	$8,465,542	$8,465,542	$16,931,083
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	1	$7,901,513	$7,901,513	$15,803,026
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	1	$1,059,073	$1,059,073	$2,118,145
California Agricultural Labor Relations Board	1	$331,262	$331,262	$662,525
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	2	$10,414,549	$12,908,520	$23,323,070

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	61	$15,041,450	$16,111,210	$31,152,659
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	1	$70,912,099	$70,912,099	$141,824,197
California Highway Patrol	53	$99,166,994	$125,575,014	$224,742,007
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	1	$1,421,468	$1,421,468	$2,842,936
California Lottery	5	$12,852,425	$12,852,425	$25,704,851
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	6	$8,782,604	$7,899,215	$16,681,819
California Office of the State Public Defender	1	$8,111,670	$8,111,670	$16,223,340

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	2	$7,629,791	$7,629,791	$15,259,582
California Public Utilities Commission	5	$71,900,664	$71,900,664	$143,801,329
California State Board of Equalization	1	$2,382,768	$2,382,768	$4,765,536
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	2	$3,417,109	$3,417,109	$6,834,219
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	537	$1,665,070,509	$1,784,311,514	$3,449,382,024
California State Water Resources Control Board	5	$15,976,795	$15,976,795	$31,953,590
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	1	$5,028,686	$5,028,686	$10,057,372
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	247	$249,472,908	$271,340,047	$520,812,955
Exposition Park California	9	$51,659,745	$51,659,745	$103,319,490

Risk Analysis Results – Earthquake Shaking – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	2	$15,293,922	$15,293,922	$30,587,845
Judicial Council of California	43	$1,217,343,964	$1,293,499,143	$2,510,843,107
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	1	$43,490,184	$43,490,184	$86,980,367
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	37	$865,597	$432,798	$1,298,395
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	616	$542,529,638	$518,599,205	$1,061,128,843
Total	5823	$8,233,615,524	$8,240,601,782	$16,474,217,306

Risk Analysis Results – Earthquake Shaking – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	151	5047446	$666,556,415	$686,530,160	$1,353,086,576
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	0	0	$0	$0	$0
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	36	1146567	$187,299,035	$201,034,248	$388,333,283
Del Norte	84	133315	$6,327,686	$4,199,692	$10,527,378
El Dorado	0	0	$0	$0	$0
Fresno	0	0	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	581	2975664	$132,346,434	$106,523,806	$238,870,240
Imperial	98	500680	$86,611,863	$105,918,925	$192,530,788
Inyo	0	0	$0	$0	$0
Kern	46	54070	$4,993,562	$6,472,364	$11,465,927
Kings	0	0	$0	$0	$0
Lake	1	0	$0	$0	$0
Lassen	0	0	$0	$0	$0
Los Angeles	728	29895066	$1,766,619,117	$2,096,022,827	$3,862,641,944
Madera	0	0	$0	$0	$0
Marin	167	422785	$23,688,415	$17,756,776	$41,445,192
Mariposa	0	0	$0	$0	$0
Mendocino	425	391665	$24,233,130	$25,956,081	$50,189,211
Merced	6	58922	$2,907,611	$2,907,611	$5,815,223
Modoc	0	0	$0	$0	$0
Mono	0	0	$0	$0	$0
Monterey	22	35171	$493,897	$493,897	$987,794
Napa	201	1746551	$101,799,300	$117,853,826	$219,653,125
Nevada	0	0	$0	$0	$0

Risk Analysis Results – Earthquake Shaking – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	0	0	$0	$0	$0
Placer	0	0	$0	$0	$0
Plumas	0	0	$0	$0	$0
Riverside	152	472073	$66,546,622	$49,806,542	$116,353,165
Sacramento	0	0	$0	$0	$0
San Benito	149	302046	$70,058,387	$69,285,899	$139,344,286
San Bernardino	390	5300629	$156,368,657	$173,524,036	$329,892,694
San Diego	70	41843	$1,497,066	$1,421,028	$2,918,094
San Francisco	174	7840184	$584,511,162	$580,512,697	$1,165,023,859
San Joaquin	0	0	$0	$0	$0
San Luis Obispo	3	4718	$2,926,950	$4,390,425	$7,317,375
San Mateo	161	470530	$190,633,390	$208,244,503	$398,877,893
Santa Barbara	414	3275618	$248,806,493	$165,563,412	$414,369,905
Santa Clara	149	5949896	$1,045,134,592	$769,773,074	$1,814,907,666
Santa Cruz	366	667055	$44,948,020	$37,682,627	$82,630,646
Shasta	0	0	$0	$0	$0
Sierra	0	0	$0	$0	$0
Siskiyou	0	0	$0	$0	$0
Solano	45	239819	$9,460,761	$5,112,451	$14,573,211
Sonoma	537	3834700	$379,505,583	$356,975,505	$736,481,087
Stanislaus	0	0	$0	$0	$0
Sutter	0	0	$0	$0	$0
Tehama	0	0	$0	$0	$0
Trinity	3	3728	$16,738,399	$25,107,598	$41,845,997
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	196	841625	$55,077,725	$44,734,169	$99,811,894
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – Earthquake Shaking – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	5355	71652366	$5,876,090,273	$5,863,804,181	$11,739,894,454

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	33	$270,479,184	$270,879,030	$541,358,214
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	16	$43,386,387	$40,695,952	$84,082,338
Del Norte	0	$0	$0	$0
El Dorado	1	$0	$0	$0
Fresno	1	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	36	$85,624,499	$91,262,443	$176,886,942
Imperial	11	$18,460,884	$17,167,009	$35,627,893
Inyo	0	$0	$0	$0
Kern	3	$478,910	$478,910	$957,820
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	112	$1,057,051,798	$1,065,768,136	$2,122,819,934
Madera	0	$0	$0	$0
Marin	7	$3,773,677	$3,040,266	$6,813,943
Mariposa	0	$0	$0	$0
Mendocino	28	$54,642,598	$57,980,926	$112,623,524

Risk Analysis Results – Earthquake Shaking – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	2	$889,163	$889,163	$1,778,326
Napa	5	$18,126,293	$18,126,293	$36,252,586
Nevada	1	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	32	$87,915,625	$85,635,409	$173,551,034
Sacramento	0	$0	$0	$0
San Benito	6	$1,700,088	$1,574,112	$3,274,200
San Bernardino	20	$55,547,684	$56,526,669	$112,074,353
San Diego	1	$1,655,078	$1,655,078	$3,310,155
San Francisco	19	$201,171,598	$200,691,588	$401,863,186
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	18	$172,606,239	$174,159,598	$346,765,837
Santa Barbara	7	$6,731,334	$6,731,334	$13,462,668
Santa Clara	43	$107,117,794	$109,762,755	$216,880,549
Santa Cruz	6	$3,573,893	$4,199,128	$7,773,021
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	0	$0	$0	$0
Solano	5	$10,748,745	$12,695,553	$23,444,298
Sonoma	29	$66,723,987	$71,295,224	$138,019,212
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Earthquake Shaking – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	25	$89,119,791	$85,583,027	$174,702,818
Yolo	1	$0	$0	$0
Yuba	0	$0	$0	$0
Total	468	$2,357,525,251	$2,376,797,602	$4,734,322,853

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	184	$937,035,599	$957,409,190	$1,894,444,790
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	52	$230,685,422	$241,730,199	$472,415,621
Del Norte	84	$6,327,686	$4,199,692	$10,527,378
El Dorado	1	$0	$0	$0
Fresno	1	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	617	$217,970,933	$197,786,249	$415,757,181
Imperial	109	$105,072,747	$123,085,935	$228,158,681
Inyo	0	$0	$0	$0
Kern	49	$5,472,473	$6,951,275	$12,423,747
Kings	0	$0	$0	$0
Lake	1	$0	$0	$0

Risk Analysis Results – Earthquake Shaking – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	840	$2,823,670,915	$3,161,790,963	$5,985,461,879
Madera	0	$0	$0	$0
Marin	174	$27,462,093	$20,797,042	$48,259,135
Mariposa	0	$0	$0	$0
Mendocino	453	$78,875,728	$83,937,007	$162,812,734
Merced	6	$2,907,611	$2,907,611	$5,815,223
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	24	$1,383,060	$1,383,060	$2,766,120
Napa	206	$119,925,593	$135,980,119	$255,905,712
Nevada	1	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	184	$154,462,247	$135,441,952	$289,904,199
Sacramento	0	$0	$0	$0
San Benito	155	$71,758,475	$70,860,010	$142,618,486
San Bernardino	410	$211,916,342	$230,050,705	$441,967,047
San Diego	71	$3,152,144	$3,076,106	$6,228,250
San Francisco	193	$785,682,760	$781,204,285	$1,566,887,045
San Joaquin	0	$0	$0	$0
San Luis Obispo	3	$2,926,950	$4,390,425	$7,317,375
San Mateo	179	$363,239,629	$382,404,101	$745,643,730
Santa Barbara	421	$255,537,827	$172,294,746	$427,832,573
Santa Clara	192	$1,152,252,386	$879,535,829	$2,031,788,215
Santa Cruz	372	$48,521,913	$41,881,754	$90,403,667
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0

Risk Analysis Results – Earthquake Shaking – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	0	$0	$0	$0
Solano	50	$20,209,505	$17,808,004	$38,017,509
Sonoma	566	$446,229,570	$428,270,729	$874,500,299
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0
Trinity	3	$16,738,399	$25,107,598	$41,845,997
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	221	$144,197,516	$130,317,196	$274,514,712
Yolo	1	$0	$0	$0
Yuba	0	$0	$0	$0
Total	5823	$8,233,615,524	$8,240,601,782	$16,474,217,306

Risk Analysis Results – Earthquake Shaking – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	150	1707566	$71,675,721	$54,920,790	$126,596,511
Development Center	0	0	$0	$0	$0
Hospital	308	2866825	$95,505,290	$114,662,785	$210,168,075
Migrant Center	3	231750	$515,052,873	$257,526,437	$772,579,310
Special School	64	510744	$10,729,356	$9,928,709	$20,658,065
Other Facility	4830	66335481	$5,183,127,033	$5,426,765,460	$10,609,892,493
Total	5355	71652366	$5,876,090,273	$5,863,804,181	$11,739,894,454

Risk Analysis Results – Earthquake Shaking – State Highways by County

County	Miles of Highway
Alameda	322.4
Alpine	10.5
Amador	0.0
Butte	0.0
Calaveras	0.0
Colusa	0.0
Contra Costa	132.7
Del Norte	59.8
El Dorado	0.0
Fresno	23.2
Glenn	0.0
Humboldt	421.3
Imperial	379.5
Inyo	5.0
Kern	151.7
Kings	1.0
Lake	14.2
Lassen	0.0
Los Angeles	856.3
Madera	0.0
Marin	124.5
Mariposa	0.0
Mendocino	434.6
Merced	5.9
Modoc	0.0
Mono	0.0
Monterey	72.8
Napa	100.0
Nevada	0.0
Orange	10.8

Risk Analysis Results – Earthquake Shaking – State Highways by County

County	Miles of Highway
Placer	0.0
Plumas	0.0
Riverside	466.9
Sacramento	0.0
San Benito	179.4
San Bernardino	470.1
San Diego	16.5
San Francisco	50.7
San Joaquin	0.0
San Luis Obispo	106.4
San Mateo	384.6
Santa Barbara	155.0
Santa Clara	472.3
Santa Cruz	180.1
Shasta	0.0
Sierra	0.0
Siskiyou	0.0
Solano	68.3
Sonoma	361.6
Stanislaus	0.0
Sutter	0.0
Tehama	0.0
Trinity	2.1
Tulare	0.0
Tuolumne	0.0
Ventura	324.1
Yolo	0.0
Yuba	0.0
Total	6,364.1

Risk Analysis Results – Earthquake Shaking – State Water Project by Branch

County	Number of State-Owned Dams
California Aqueduct	14.2
Coastal Branch	21.3
East Branch	100.6
East Branch Extension	43.3
North Bay Aqueduct	5.8
Oroville	0.0
South Bay Aqueduct	23.2
West Branch	17.4
Total	225.7

Risk Analysis Results for Earthquake NEHRP Soils

Risk Analysis Results – NEHRP Soils (Earthquake) – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	9,224	83,922	11.0%
Alpine	2,714	50,861	5.3%
Amador	20	97,686	0.0%
Butte	3,945	88,320	4.5%
Calaveras	143	124,320	0.1%
Colusa	35,859	39,975	89.7%
Contra Costa	8,359	28,731	29.1%
Del Norte	1,029	10,802	9.5%
El Dorado	3,190	184,442	1.7%
Fresno	11,877	51,792	22.9%
Glenn	1,986	2,085	95.2%
Humboldt	16,959	78,482	21.6%
Imperial	348,092	710,020	49.0%
Inyo	226,367	246,441	91.9%
Kern	535,484	1,014,386	52.8%
Kings	7,712	8,907	86.6%
Lake	8,000	82,544	9.7%
Lassen	93,570	180,689	51.8%
Los Angeles	386,830	911,564	42.4%
Madera	947	41,190	2.3%
Marin	2,772	24,696	11.2%
Mariposa	191	228,533	0.1%
Mendocino	17,062	855,474	2.0%
Merced	3,058	12,030	25.4%
Modoc	1,249	2,853	43.8%
Mono	79,727	130,547	61.1%
Monterey	6,527	92,667	7.0%
Napa	5,373	169,772	3.2%
Nevada	2,331	146,358	1.6%

Risk Analysis Results – NEHRP Soils (Earthquake) – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	34,250	151,777	22.6%
Placer	4,742	122,653	3.9%
Plumas	26,440	60,257	43.9%
Riverside	369,415	1,065,179	34.7%
Sacramento	22,697	75,501	30.1%
San Benito	699	8,877	7.9%
San Bernardino	982,970	1,734,287	56.7%
San Diego	103,001	522,630	19.7%
San Francisco	2,242	4,245	52.8%
San Joaquin	10,292	28,214	36.5%
San Luis Obispo	93,573	733,458	12.8%
San Mateo	4,952	32,801	15.1%
Santa Barbara	5,594	28,657	19.5%
Santa Clara	8,847	43,054	20.5%
Santa Cruz	2,523	40,770	6.2%
Shasta	24,567	381,315	6.4%
Sierra	19,852	35,361	56.1%
Siskiyou	93,715	508,754	18.4%
Solano	38,742	55,831	69.4%
Sonoma	8,330	57,738	14.4%
Stanislaus	3,211	14,179	22.6%
Sutter	2,315	2,369	97.7%
Tehama	6,900	84,053	8.2%
Trinity	3,667	116,464	3.1%
Tulare	1,474	6,847	21.5%
Tuolumne	0	70,255	0.0%
Ventura	7,872	31,804	24.8%
Yolo	8,404	40,856	20.6%
Yuba	2,222	30,685	7.2%

Risk Analysis Results – NEHRP Soils (Earthquake) – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	3,714,106	11,788,962	31.5%

Risk Analysis Results – NEHRP Soils (Earthquake) – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	2	11	2	2	1	9	27
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	1	0	1	0	0	0	2
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	2	0	4	0	0	0	6
Contra Costa	0	7	2	0	0	0	3	12
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	4	3	5	0	0	0	12
Glenn	0	0	0	1	0	0	0	1
Humboldt	0	1	0	0	0	1	0	2
Imperial	0	5	7	1	0	0	3	16
Inyo	0	0	4	0	0	0	0	4
Kern	0	11	7	2	0	0	1	21
Kings	0	0	7	0	0	0	0	7
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	11	25	22	7	6	4	30	105
Madera	0	1	0	0	0	0	0	1
Marin	0	0	0	0	1	0	1	2
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	1	1	0	0	0	0	2
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	1	2	0	0	0	0	3
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – NEHRP Soils (Earthquake) – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	3	9	2	3	2	0	19
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	2	7	9	2	1	0	1	22
Sacramento	3	0	3	1	0	1	2	10
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	11	13	0	2	2	5	33
San Diego	0	2	4	0	1	0	13	20
San Francisco	2	0	1	0	2	1	7	13
San Joaquin	0	1	4	3	0	0	2	10
San Luis Obispo	2	1	0	0	0	1	0	4
San Mateo	0	1	1	0	0	1	1	4
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	10	3	4	0	2	1	3	23
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	1	0	1
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	6	1	0	1	0	8
Sonoma	0	0	0	0	0	1	0	1
Stanislaus	0	0	1	0	0	0	0	1
Sutter	0	1	1	1	0	0	0	3
Tehama	0	0	1	0	0	0	0	1
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	3	0	0	1	0	4
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	1	4	0	0	1	1	7
Yolo	0	0	1	2	0	0	2	5

Risk Analysis Results – NEHRP Soils (Earthquake) – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	30	92	131	35	20	20	84	412

Risk Analysis Results – NEHRP Soils (Earthquake) – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	$600.0 Million to $1.5 Billion	$3.6 Billion to Greater Than $6.0 Billion	$200.0 Million to $1.0 Billion	$1.1 Billion to Greater Than $1.5 Billion	$500.0 Million to $1.0 Billion	$1.8 Billion to Greater Than $3.9 Billion
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	$1.0 Billion to Greater Than $1.0 Billion	-	$100.0 Million to $500.0 Million	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	$200.0 Million to $1.0 Billion	-	$220.0 Million to $1.2 Billion	-	-	-
Contra Costa	-	$3.3 Billion to Greater Than $4.6 Billion	$110.0 Million to $600.0 Million	-	-	-	$610.0 Million to $1.6 Billion
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	$2.1 Billion to Greater Than $3.5 Billion	$210.0 Million to $1.1 Billion	$320.0 Million to $1.7 Billion	-	-	-
Glenn	-	-	-	$10.0 Million to $100.0 Million	-	-	-
Humboldt	-	$10.0 Million to $100.0 Million	-	-	-	$0 to $10.0 Million	-
Imperial	-	$2.2 Billion to Greater	$1.2 Billion to Greater Than $2.2 Billion	$10.0 Million to $100.0 Million	-	-	$1.1 Billion to $2.5 Billion

Risk Analysis Results – NEHRP Soils (Earthquake) – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
		Than $3.1 Billion					
Inyo	-	-	$2.1 Billion to Greater Than $3.5 Billion	-	-	-	-
Kern	-	$5.5 Billion to Greater Than $8.5 Billion	$250.0 Million to $1.5 Billion	$110.0 Million to $600.0 Million	-	-	$10.0 Million to $100.0 Million
Kings	-	-	$1.1 Billion to $2.9 Billion	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	$2.4 Billion to Greater Than $5.4 Billion	$12.0 Billion to Greater Than $19.1 Billion	$4.0 Billion to Greater Than $10.3 Billion	$430.0 Million to $2.3 Billion	$5.1 Billion to Greater Than $5.5 Billion	$220.0 Million to $1.2 Billion	$5.8 Billion to Greater Than $14.1 Billion
Madera	-	$100.0 Million to $500.0 Million	-	-	-	-	-
Marin	-	-	-	-	$10.0 Million to $100.0 Million	-	$10.0 Million to $100.0 Million
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	$1.0 Billion to Greater Than $1.0 Billion	$100.0 Million to $500.0 Million	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-

Risk Analysis Results – NEHRP Soils (Earthquake) – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Monterey	-	$100.0 Million to $500.0 Million	$600.0 Million to $1.5 Billion	-	-	-	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	$210.0 Million to $1.1 Billion	$2.3 Billion to Greater Than $4.8 Billion	$200.0 Million to $1.0 Billion	$20.0 Million to $210.0 Million	$10.0 Million to $110.0 Million	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	$200.0 Million to $1.0 Billion	$5.1 Billion to Greater Than $6.5 Billion	$260.0 Million to $1.6 Billion	$20.0 Million to $200.0 Million	$10.0 Million to $100.0 Million	-	$10.0 Million to $100.0 Million
Sacramento	$1.1 Billion to Greater Than $1.6 Billion	-	$210.0 Million to $1.1 Billion	$10.0 Million to $100.0 Million	-	$100.0 Million to $500.0 Million	$510.0 Million to $1.1 Billion
San Benito	-	-	-	-	-	-	-
San Bernardino	-	$5.1 Billion to Greater Than $8.0 Billion	$3.8 Billion to Greater Than $5.7 Billion	-	$1.0 Billion to Greater Than $1.0 Billion	$100.0 Million to $510.0 Million	$140.0 Million to $900.0 Million
San Diego	-	$110.0 Million to $600.0 Million	$130.0 Million to $800.0 Million	-	$100.0 Million to $500.0 Million	-	$4.4 Billion to Greater Than $8.3 Billion
San Francisco	$600.0 Million to $1.5 Billion	-	$500.0 Million to $1.0 Billion	-	$1.0 Billion to Greater Than $1.1 Billion	$10.0 Million to $100.0 Million	$3.8 Billion to Greater Than $5.5 Billion
San Joaquin	-	$1.0 Billion to Greater Than $1.0 Billion	$1.1 Billion to $2.6 Billion	$300.0 Million to $1.5 Billion	-	-	$1.0 Billion to Greater Than $1.1 Billion

Risk Analysis Results – NEHRP Soils (Earthquake) – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
San Luis Obispo	$1.0 Billion to $2.0 Billion	$1.0 Billion to Greater Than $1.0 Billion	-	-	-	$10.0 Million to $100.0 Million	-
San Mateo	-	$10.0 Million to $100.0 Million	$500.0 Million to $1.0 Billion	-	-	$100.0 Million to $500.0 Million	$100.0 Million to $500.0 Million
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	$1.2 Billion to $4.7 Billion	$210.0 Million to $1.1 Billion	$1.1 Billion to Greater Than $1.7 Billion	-	$2.0 Billion to Greater Than $2.0 Billion	$10.0 Million to $100.0 Million	$1.1 Billion to Greater Than $1.6 Billion
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	$10.0 Million to $100.0 Million	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	$720.0 Million to $2.2 Billion	$10.0 Million to $100.0 Million	-	$0 to $10.0 Million	-
Sonoma	-	-	-	-	-	$0 to $10.0 Million	-
Stanislaus	-	-	$10.0 Million to $100.0 Million	-	-	-	-
Sutter	-	$100.0 Million to $500.0 Million	$100.0 Million to $500.0 Million	$10.0 Million to $100.0 Million	-	-	-
Tehama	-	-	$100.0 Million to $500.0 Million	-	-	-	-
Trinity	-	-	-	-	-	-	-

Risk Analysis Results – NEHRP Soils (Earthquake) – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Tulare	-	-	$300.0 Million to $1.5 Billion	-	-	$10.0 Million to $100.0 Million	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	$100.0 Million to $500.0 Million	$40.0 Million to $400.0 Million	-	-	$10.0 Million to $100.0 Million	$1.0 Billion to Greater Than $1.0 Billion
Yolo	-	-	$1.0 Billion to Greater Than $1.0 Billion	$20.0 Million to $200.0 Million	-	-	$600.0 Million to $1.5 Billion
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – NEHRP Soils (Earthquake) – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	217,091	1,159,123	18.7%
Alpine	573	573	100.0%
Amador	0	10	0.0%
Butte	14,403	29,641	48.6%
Calaveras	0	218	0.0%
Colusa	10,216	19,194	53.2%
Contra Costa	90,372	398,330	22.7%
Del Norte	71	2,090	3.4%
El Dorado	6,038	17,912	33.7%
Fresno	94,275	117,566	80.2%
Glenn	20,183	27,823	72.5%
Humboldt	1,589	32,096	5.0%
Imperial	147,392	178,992	82.3%
Inyo	2,549	17,805	14.3%
Kern	347,587	655,568	53.0%
Kings	53,769	126,650	42.5%
Lake	4,154	18,061	23.0%
Lassen	1,515	22,327	6.8%
Los Angeles	2,644,605	5,756,018	45.9%
Madera	291	609	47.7%
Marin	12,769	79,673	16.0%
Mariposa	0	1	0.0%
Mendocino	11,790	16,203	72.8%
Merced	55,846	64,847	86.1%
Modoc	205	2,578	7.9%
Mono	0	3,857	0.0%
Monterey	64,881	168,603	38.5%
Napa	11,060	71,462	15.5%
Nevada	0	217	0.0%
Orange	714,824	1,948,841	36.7%

Risk Analysis Results – NEHRP Soils (Earthquake) – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	159	10,872	1.5%
Plumas	0	9,666	0.0%
Riverside	430,189	1,002,193	42.9%
Sacramento	44,047	300,720	14.6%
San Benito	4,463	29,307	15.2%
San Bernardino	695,361	1,642,725	42.3%
San Diego	123,570	349,313	35.4%
San Francisco	42,549	437,558	9.7%
San Joaquin	43,933	187,271	23.5%
San Luis Obispo	0	55,929	0.0%
San Mateo	43,158	304,625	14.2%
Santa Barbara	110,926	247,966	44.7%
Santa Clara	201,944	1,428,259	14.1%
Santa Cruz	31,304	45,756	68.4%
Shasta	6,627	42,827	15.5%
Sierra	0	1,587	0.0%
Siskiyou	4,180	12,553	33.3%
Solano	40,744	206,632	19.7%
Sonoma	36,402	246,585	14.8%
Stanislaus	21,557	61,859	34.8%
Sutter	43,608	96,329	45.3%
Tehama	19,648	26,310	74.7%
Trinity	0	1,853	0.0%
Tulare	202,610	331,439	61.1%
Tuolumne	0	0	0.0%
Ventura	164,941	563,188	29.3%
Yolo	51,441	185,527	27.7%
Yuba	7,246	12,871	56.3%
Total	6,898,652	18,778,609	36.7%

Risk Analysis Results – NEHRP Soils (Earthquake) – State Bridges by County

County	# of Bridges
Alameda	358
Alpine	2
Amador	0
Butte	28
Calaveras	0
Colusa	59
Contra Costa	162
Del Norte	4
El Dorado	3
Fresno	84
Glenn	69
Humboldt	87
Imperial	250
Inyo	33
Kern	274
Kings	42
Lake	17
Lassen	26
Los Angeles	1,413
Madera	7
Marin	61
Mariposa	0
Mendocino	71
Merced	62
Modoc	13
Mono	17
Monterey	116
Napa	44
Nevada	6
Orange	476

Risk Analysis Results – NEHRP Soils (Earthquake) – State Bridges by County

County	# of Bridges
Placer	15
Plumas	14
Riverside	462
Sacramento	164
San Benito	24
San Bernardino	728
San Diego	368
San Francisco	47
San Joaquin	127
San Luis Obispo	77
San Mateo	113
Santa Barbara	134
Santa Clara	436
Santa Cruz	31
Shasta	43
Sierra	5
Siskiyou	42
Solano	109
Sonoma	150
Stanislaus	39
Sutter	30
Tehama	80
Trinity	15
Tulare	141
Tuolumne	1
Ventura	248
Yolo	104
Yuba	7
Total	7,538

Risk Analysis Results – NEHRP Soils (Earthquake) – State Dams by County

County	Number of State-Owned Dams
Alameda	0
Alpine	0
Amador	0
Butte	1
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	0
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – NEHRP Soils (Earthquake) – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	1
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	2
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	1
Yuba	0
Total	5

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	1	54,000	$6,708,484	$6,708,484	$13,416,969
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	2,176	23,629,348	$2,106,526,246	$1,290,776,135	$3,397,302,381
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	65	523,918	$11,006,106	$10,184,807	$21,190,914
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	585	816,749	$42,633,040	$28,265,910	$70,898,950
CA Dept of Food and Agriculture	71	105,763	$27,426,771	$27,426,771	$54,853,543
CA Dept of Forestry and Fire Protection	405	856,442	$175,776,693	$169,591,463	$345,368,156
CA Dept of General Services	147	16,727,030	$1,362,161,808	$1,386,153,966	$2,748,315,775
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	14	818,733	$606,765,693	$311,004,919	$917,770,612
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	1	14,645	$3,285,839	$3,285,839	$6,571,679
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	56	619,134	$109,474,068	$108,309,204	$217,783,272
CA Dept of Parks and Recreation	2,008	2,767,233	$130,553,407	$115,337,691	$245,891,098
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	4	42,278	$5,950,867	$5,950,867	$11,901,734
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	2	119,500	$6,114,574	$4,531,982	$10,646,556
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	1,037	3,121,792	$451,139,940	$421,129,008	$872,268,949
CA Dept of Veterans Affairs	14	402,732	$39,837,108	$26,558,947	$66,396,055
CA Dept of Water Resources	8	127,435	$7,956,995	$7,487,388	$15,444,383
CA Employment Development Department	8	193,090	$17,612,378	$16,996,698	$34,609,076
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	38	101,674	$5,915,350	$5,915,350	$11,830,700
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	47	1,156,350	$399,139,462	$383,882,594	$783,022,056
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	90	345,584	$115,283,878	$152,409,571	$267,693,448
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	6	327,761	$44,745,018	$44,745,018	$89,490,036
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	6	56,690	$6,937,317	$6,937,317	$13,874,633
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	1	3,325	$0	$0	$0
California State Legislature	1	237,000	$100,716,549	$100,716,549	$201,433,099
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	609	31,901,168	$1,843,027,827	$1,890,608,089	$3,733,635,916

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	2	8,550	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	1	21,200	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	660	3,942,756	$557,337,527	$566,950,739	$1,124,288,266
Exposition Park California	9	1,828,101	$51,659,745	$51,659,745	$103,319,490
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	62	5,605,599	$719,920,688	$788,690,479	$1,508,611,167
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	6	6,684	$57,781	$28,891	$86,672
Santa Monica Mountains Conservancy	37	17,870	$865,597	$432,798	$1,298,395
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	1,234	7,903,413	$107,109,746	$130,980,794	$238,090,540

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	9,411	104,403,547	$9,063,646,503	$8,063,658,016	$17,127,304,519

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	1	$823,326	$411,663	$1,234,988
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	22	$56,300,787	$55,790,931	$112,091,717
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	1	$16,931,946	$16,931,946	$33,863,892
CA Delta Protection Commission	1	$8,545,399	$12,818,099	$21,363,498
CA Dept of Aging	1	$304,150	$152,075	$456,224
CA Dept of Alcoholic Beverage Control	14	$74,753,263	$74,753,263	$149,506,527
CA Dept of Cannabis Control	5	$25,715,155	$25,715,155	$51,430,309
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	1	$3,989,743	$3,989,743	$7,979,485
CA Dept of Conservation	6	$52,893,301	$52,893,301	$105,786,601
CA Dept of Consumer Affairs	44	$249,707,356	$278,406,129	$528,113,486
CA Dept of Corrections and Rehabilitation	47	$155,543,234	$149,733,821	$305,277,055
CA Dept of Developmental Services	4	$19,418,453	$15,189,315	$34,607,768
CA Dept of Education	27	$112,007,205	$109,911,591	$221,918,797
CA Dept of Fair Employment and Housing	2	$18,283,504	$18,283,504	$36,567,008
CA Dept of Financial Protection and Innovation	8	$127,320,864	$127,320,864	$254,641,727
CA Dept of Fish and Wildlife	110	$315,602,864	$325,666,232	$641,269,096
CA Dept of Food and Agriculture	48	$129,556,693	$138,527,764	$268,084,457

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	47	$64,159,158	$66,599,835	$130,758,993
CA Dept of General Services	19	$275,477,631	$289,319,630	$564,797,261
CA Dept of Health Care Access and Information	2	$17,050,084	$21,727,344	$38,777,427
CA Dept of Health Care Services	11	$78,032,090	$80,685,377	$158,717,468
CA Dept of Housing & Community Development	2	$9,014,921	$9,014,921	$18,029,841
CA Dept of Human Resources	1	$15,260,354	$15,260,354	$30,520,708
CA Dept of Industrial Relations	32	$183,427,579	$177,965,509	$361,393,088
CA Dept of Insurance	11	$86,183,472	$86,806,815	$172,990,286
CA Dept of Justice	7	$41,780,055	$41,780,055	$83,560,109
CA Dept of Managed Health Care	1	$16,931,946	$16,931,946	$33,863,892
CA Dept of Motor Vehicles	77	$301,684,331	$295,644,557	$597,328,887
CA Dept of Parks and Recreation	13	$47,266,949	$47,044,626	$94,311,575
CA Dept of Pesticide Regulation	2	$36,700,382	$36,700,382	$73,400,763
CA Dept of Public Health	28	$185,137,834	$189,204,711	$374,342,545
CA Dept of Real Estate	1	$738,876	$738,876	$1,477,753
CA Dept of Rehabilitation	42	$141,643,762	$145,501,380	$287,145,142
CA Dept of Resources Recycling and Recovery	10	$116,147,485	$116,147,485	$232,294,970
CA Dept of Social Services	20	$108,217,028	$110,870,315	$219,087,342
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	11	$81,435,199	$81,324,875	$162,760,074
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	4	$18,384,623	$18,384,623	$36,769,247
CA Dept of Transportation	36	$90,295,816	$84,327,153	$174,622,969
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	11	$32,709,169	$35,012,776	$67,721,945

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	66	$359,693,881	$358,168,462	$717,862,342
CA Franchise Tax Board	4	$47,516,109	$47,516,109	$95,032,217
CA Governor's Office of Emergency Services	19	$39,983,062	$40,688,594	$80,671,656
CA Governor's Office of Business and Economic Development	3	$60,043,185	$60,043,185	$120,086,370
CA Native American Heritage Commission	1	$3,317,820	$3,317,820	$6,635,641
CA Office of Administrative Law	1	$18,452,265	$18,452,265	$36,904,529
CA Office of Lieutenant Governor	1	$7,901,513	$7,901,513	$15,803,026
CA Office of Systems Integration	5	$31,126,211	$31,126,211	$62,252,421
CA Office of Tax Appeals	4	$164,652,195	$164,652,195	$329,304,390
CA Office of the Inspector General	2	$5,845,263	$5,845,263	$11,690,525
CA State Controller's Office	4	$65,582,092	$65,582,092	$131,164,185
California Agricultural Labor Relations Board	4	$30,060,827	$30,060,827	$60,121,655
California Arts Council	1	$3,551,663	$3,551,663	$7,103,325
California Board of State and Community Corrections	1	$2,750,277	$2,750,277	$5,500,553
California Children and Families Commission	1	$3,989,743	$3,989,743	$7,979,485
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	4	$11,785,624	$14,234,122	$26,019,746
California Commission on Teacher Credentialing	1	$6,293,415	$6,293,415	$12,586,829
California Commission on the Status of Women and Girls	1	$12,179,499	$12,179,499	$24,358,999
California Community Colleges Board of Governors	1	$27,224,918	$27,224,918	$54,449,835
California Conservation Corps	13	$22,873,127	$24,017,975	$46,891,101
California Education Audit Appeals Panel	1	$28,396,102	$28,396,102	$56,792,204

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	1	$9,354,520	$14,031,779	$23,386,299
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	1	$27,224,918	$27,224,918	$54,449,835
California Gambling Control Commission	1	$4,198,708	$4,198,708	$8,397,415
California Government Operation Agency	2	$58,507,901	$58,507,901	$117,015,802
California Health and Human Services Agency	1	$12,179,499	$12,179,499	$24,358,999
California Health Benefit Exchange	1	$22,802,730	$34,204,095	$57,006,825
California High-Speed Rail Authority	6	$170,376,613	$170,376,613	$340,753,225
California Highway Patrol	35	$91,452,564	$104,323,382	$195,775,945
California Horse Racing Board	1	$8,143,542	$8,143,542	$16,287,084
California Law Revision Commission	1	$1,421,468	$1,421,468	$2,842,936
California Lottery	4	$20,213,717	$20,213,717	$40,427,433
California Mental Health Services Oversight and Accountability Commission	2	$32,573,769	$32,573,769	$65,147,537
California Military Department	5	$10,934,406	$10,051,016	$20,985,422
California Office of the State Public Defender	2	$36,507,772	$36,507,772	$73,015,544
California Prison Industry Authority	1	$3,786,976	$5,680,464	$9,467,440
California Public Employment Relations Board	2	$7,990,710	$7,990,710	$15,981,420
California Public Utilities Commission	11	$162,286,014	$162,286,014	$324,572,028
California State Board of Equalization	5	$61,842,356	$61,842,356	$123,684,712
California State Independent Living Council	1	$5,094,778	$5,094,778	$10,189,556

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	1	$5,582,055	$5,582,055	$11,164,110
California State Legislature	0	$0	$0	$0
California State Personnel Board	1	$3,711,669	$3,711,669	$7,423,338
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	45	$47,563,767	$47,099,984	$94,663,751
California State Water Resources Control Board	15	$84,633,152	$84,633,152	$169,266,304
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	1			$0
California Victim Compensation Board	1	$49,414,245	$49,414,245	$98,828,490
Cannabis Control Appeals Panel	1	$49,414,245	$49,414,245	$98,828,490
Central Valley Flood Protection Board	1	$5,028,686	$5,028,686	$10,057,372
Coachella Valley Mountains Conservancy	1	$4,312,511	$4,312,511	$8,625,023
Commission on Peace Officer Standards and Training	3	$4,022,477	$3,946,696	$7,969,173
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	1	$12,712,930	$12,712,930	$25,425,861
Habeas Corpus Resource Center	2	$15,293,922	$15,293,922	$30,587,845
Judicial Council of California	5	$36,491,964	$36,080,301	$72,572,265
Milton Marks (Little Hoover) Commission	1	$12,179,499	$12,179,499	$24,358,999
Sacramento-San Joaquin Delta Conservancy	1	$3,600,158	$3,600,158	$7,200,315
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	1	$43,490,184	$43,490,184	$86,980,367
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	2	$14,405,877	$14,722,891	$29,128,768
University of California	0	$0	$0	$0
Total	1,037	$5,436,392,749	$5,526,604,492	$10,962,997,241

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	1	$823,326	$411,663	$1,234,988
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	23	$63,009,271	$62,499,415	$125,508,686
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	1	$16,931,946	$16,931,946	$33,863,892
CA Delta Protection Commission	1	$8,545,399	$12,818,099	$21,363,498
CA Dept of Aging	1	$304,150	$152,075	$456,224
CA Dept of Alcoholic Beverage Control	14	$74,753,263	$74,753,263	$149,506,527
CA Dept of Cannabis Control	5	$25,715,155	$25,715,155	$51,430,309
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	1	$3,989,743	$3,989,743	$7,979,485
CA Dept of Conservation	6	$52,893,301	$52,893,301	$105,786,601
CA Dept of Consumer Affairs	44	$249,707,356	$278,406,129	$528,113,486
CA Dept of Corrections and Rehabilitation	2,223	$2,262,069,480	$1,440,509,956	$3,702,579,436

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	4	$19,418,453	$15,189,315	$34,607,768
CA Dept of Education	92	$123,013,311	$120,096,399	$243,109,710
CA Dept of Fair Employment and Housing	2	$18,283,504	$18,283,504	$36,567,008
CA Dept of Financial Protection and Innovation	8	$127,320,864	$127,320,864	$254,641,727
CA Dept of Fish and Wildlife	695	$358,235,903	$353,932,142	$712,168,045
CA Dept of Food and Agriculture	119	$156,983,465	$165,954,535	$322,938,000
CA Dept of Forestry and Fire Protection	452	$239,935,850	$236,191,299	$476,127,149
CA Dept of General Services	166	$1,637,639,439	$1,675,473,596	$3,313,113,035
CA Dept of Health Care Access and Information	2	$17,050,084	$21,727,344	$38,777,427
CA Dept of Health Care Services	11	$78,032,090	$80,685,377	$158,717,468
CA Dept of Housing & Community Development	16	$615,780,614	$320,019,839	$935,800,453
CA Dept of Human Resources	1	$15,260,354	$15,260,354	$30,520,708
CA Dept of Industrial Relations	32	$183,427,579	$177,965,509	$361,393,088
CA Dept of Insurance	11	$86,183,472	$86,806,815	$172,990,286
CA Dept of Justice	8	$45,065,894	$45,065,894	$90,131,788
CA Dept of Managed Health Care	1	$16,931,946	$16,931,946	$33,863,892
CA Dept of Motor Vehicles	133	$411,158,398	$403,953,761	$815,112,159
CA Dept of Parks and Recreation	2,021	$177,820,356	$162,382,317	$340,202,674
CA Dept of Pesticide Regulation	2	$36,700,382	$36,700,382	$73,400,763
CA Dept of Public Health	28	$185,137,834	$189,204,711	$374,342,545
CA Dept of Real Estate	1	$738,876	$738,876	$1,477,753
CA Dept of Rehabilitation	46	$147,594,629	$151,452,247	$299,046,876
CA Dept of Resources Recycling and Recovery	10	$116,147,485	$116,147,485	$232,294,970
CA Dept of Social Services	20	$108,217,028	$110,870,315	$219,087,342
CA Dept of State Hospitals	2	$6,114,574	$4,531,982	$10,646,556

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	11	$81,435,199	$81,324,875	$162,760,074
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	4	$18,384,623	$18,384,623	$36,769,247
CA Dept of Transportation	1,073	$541,435,757	$505,456,161	$1,046,891,918
CA Dept of Veterans Affairs	14	$39,837,108	$26,558,947	$66,396,055
CA Dept of Water Resources	19	$40,666,164	$42,500,164	$83,166,329
CA Employment Development Department	74	$377,306,259	$375,165,160	$752,471,419
CA Franchise Tax Board	4	$47,516,109	$47,516,109	$95,032,217
CA Governor's Office of Emergency Services	19	$39,983,062	$40,688,594	$80,671,656
CA Governor's Office of Business and Economic Development	3	$60,043,185	$60,043,185	$120,086,370
CA Native American Heritage Commission	1	$3,317,820	$3,317,820	$6,635,641
CA Office of Administrative Law	1	$18,452,265	$18,452,265	$36,904,529
CA Office of Lieutenant Governor	1	$7,901,513	$7,901,513	$15,803,026
CA Office of Systems Integration	5	$31,126,211	$31,126,211	$62,252,421
CA Office of Tax Appeals	4	$164,652,195	$164,652,195	$329,304,390
CA Office of the Inspector General	2	$5,845,263	$5,845,263	$11,690,525
CA State Controller's Office	4	$65,582,092	$65,582,092	$131,164,185
California Agricultural Labor Relations Board	4	$30,060,827	$30,060,827	$60,121,655
California Arts Council	1	$3,551,663	$3,551,663	$7,103,325
California Board of State and Community Corrections	1	$2,750,277	$2,750,277	$5,500,553
California Children and Families Commission	1	$3,989,743	$3,989,743	$7,979,485
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	4	$11,785,624	$14,234,122	$26,019,746

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	1	$6,293,415	$6,293,415	$12,586,829
California Commission on the Status of Women and Girls	1	$12,179,499	$12,179,499	$24,358,999
California Community Colleges Board of Governors	1	$27,224,918	$27,224,918	$54,449,835
California Conservation Corps	51	$28,788,477	$29,933,324	$58,721,801
California Education Audit Appeals Panel	1	$28,396,102	$28,396,102	$56,792,204
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	1	$9,354,520	$14,031,779	$23,386,299
California Exposition and State Fair	47	$399,139,462	$383,882,594	$783,022,056
California Fair Political Practices Commission	1	$27,224,918	$27,224,918	$54,449,835
California Gambling Control Commission	1	$4,198,708	$4,198,708	$8,397,415
California Government Operation Agency	2	$58,507,901	$58,507,901	$117,015,802
California Health and Human Services Agency	1	$12,179,499	$12,179,499	$24,358,999
California Health Benefit Exchange	1	$22,802,730	$34,204,095	$57,006,825
California High-Speed Rail Authority	6	$170,376,613	$170,376,613	$340,753,225
California Highway Patrol	125	$206,736,441	$256,732,952	$463,469,394
California Horse Racing Board	1	$8,143,542	$8,143,542	$16,287,084
California Law Revision Commission	1	$1,421,468	$1,421,468	$2,842,936
California Lottery	10	$64,958,735	$64,958,735	$129,917,469
California Mental Health Services Oversight and Accountability Commission	2	$32,573,769	$32,573,769	$65,147,537
California Military Department	11	$17,871,722	$16,988,333	$34,860,056
California Office of the State Public Defender	2	$36,507,772	$36,507,772	$73,015,544

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	1	$3,786,976	$5,680,464	$9,467,440
California Public Employment Relations Board	2	$7,990,710	$7,990,710	$15,981,420
California Public Utilities Commission	11	$162,286,014	$162,286,014	$324,572,028
California State Board of Equalization	5	$61,842,356	$61,842,356	$123,684,712
California State Independent Living Council	1	$5,094,778	$5,094,778	$10,189,556
California State Lands Commission	2	$5,582,055	$5,582,055	$11,164,110
California State Legislature	1	$100,716,549	$100,716,549	$201,433,099
California State Personnel Board	1	$3,711,669	$3,711,669	$7,423,338
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	654	$1,890,591,594	$1,937,708,073	$3,828,299,667
California State Water Resources Control Board	15	$84,633,152	$84,633,152	$169,266,304
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	2	$0	$0	$0
California Transportation Commission	1	$0	$0	$0
California Victim Compensation Board	1	$49,414,245	$49,414,245	$98,828,490
Cannabis Control Appeals Panel	1	$49,414,245	$49,414,245	$98,828,490
Central Valley Flood Protection Board	2	$5,028,686	$5,028,686	$10,057,372
Coachella Valley Mountains Conservancy	1	$4,312,511	$4,312,511	$8,625,023
Commission on Peace Officer Standards and Training	3	$4,022,477	$3,946,696	$7,969,173
District Agricultural Associations	660	$557,337,527	$566,950,739	$1,124,288,266
Exposition Park California	9	$51,659,745	$51,659,745	$103,319,490

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	1	$12,712,930	$12,712,930	$25,425,861
Habeas Corpus Resource Center	2	$15,293,922	$15,293,922	$30,587,845
Judicial Council of California	67	$756,412,652	$824,770,780	$1,581,183,432
Milton Marks (Little Hoover) Commission	1	$12,179,499	$12,179,499	$24,358,999
Sacramento-San Joaquin Delta Conservancy	1	$3,600,158	$3,600,158	$7,200,315
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	1	$43,490,184	$43,490,184	$86,980,367
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	6	$57,781	$28,891	$86,672
Santa Monica Mountains Conservancy	37	$865,597	$432,798	$1,298,395
Sierra Nevada Conservancy	2	$14,405,877	$14,722,891	$29,128,768
University of California	1,234	$107,109,746	$130,980,794	$238,090,540
Total	10,448	$14,500,039,252	$13,590,262,508	$28,090,301,760

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	111	2,189,626	$217,859,713	$244,142,666	$462,002,379
Alpine	6	12,134	$2,418,546	$1,791,756	$4,210,303
Amador	0	0	$0	$0	$0
Butte	53	219,003	$8,705,581	$6,806,016	$15,511,597
Calaveras	0	0	$0	$0	$0
Colusa	52	223,610	$3,132,478	$3,132,478	$6,264,955
Contra Costa	47	359,743	$66,994,552	$66,224,549	$133,219,101
Del Norte	63	83,806	$541,416	$270,708	$812,124
El Dorado	2	8,550	$0	$0	$0
Fresno	176	1,209,389	$132,706,116	$68,077,649	$200,783,764
Glenn	50	199,072	$26,111,465	$29,857,748	$55,969,212
Humboldt	107	371,690	$18,770,497	$17,370,750	$36,141,247
Imperial	339	2,653,540	$181,994,255	$169,433,538	$351,427,793
Inyo	144	304,425	$94,092,391	$69,755,804	$163,848,195
Kern	653	6,707,619	$494,577,563	$420,914,356	$915,491,919
Kings	443	5,156,839	$327,735,131	$164,664,867	$492,399,998
Lake	49	128,218	$7,292,457	$7,292,457	$14,584,913
Lassen	284	2,051,499	$156,905,644	$85,904,974	$242,810,618
Los Angeles	622	15,659,183	$764,300,536	$839,294,455	$1,603,594,991
Madera	4	3,900	$0	$0	$0
Marin	83	353,363	$14,145,676	$11,832,881	$25,978,557
Mariposa	0	0	$0	$0	$0
Mendocino	194	144,563	$11,146,042	$13,387,972	$24,534,014
Merced	51	130,934	$17,521,015	$12,083,308	$29,604,323
Modoc	31	193,933	$11,273,902	$5,636,951	$16,910,853
Mono	77	124,005	$11,078,046	$7,935,306	$19,013,352
Monterey	220	1,313,953	$137,171,126	$78,250,739	$215,421,865
Napa	64	245,252	$23,162,202	$26,438,413	$49,600,615
Nevada	20	87,366	$3,413,608	$3,413,608	$6,827,215

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	259	5,779,246	$246,344,944	$276,420,057	$522,765,001
Placer	11	14,423	$2,779,566	$2,690,343	$5,469,908
Plumas	22	59,497	$3,294,151	$3,294,151	$6,588,303
Riverside	328	2,493,519	$162,082,410	$97,130,283	$259,212,693
Sacramento	322	20,087,845	$1,969,027,570	$1,974,881,709	$3,943,909,279
San Benito	92	140,756	$54,572,472	$55,930,859	$110,503,331
San Bernardino	494	6,273,347	$760,236,651	$496,685,388	$1,256,922,039
San Diego	419	1,862,373	$506,412,056	$489,333,137	$995,745,193
San Francisco	122	4,509,266	$390,829,894	$430,885,986	$821,715,880
San Joaquin	98	899,729	$50,342,470	$50,012,735	$100,355,205
San Luis Obispo	94	158,967	$17,075,656	$21,651,011	$38,726,667
San Mateo	94	175,597	$26,339,585	$29,657,023	$55,996,608
Santa Barbara	112	299,171	$14,602,831	$16,422,706	$31,025,536
Santa Clara	114	5,865,978	$1,027,743,934	$748,068,315	$1,775,812,249
Santa Cruz	308	446,781	$35,137,187	$27,871,794	$63,008,980
Shasta	73	366,399	$19,386,089	$21,152,241	$40,538,330
Sierra	8	13,234	$1,505,601	$1,505,601	$3,011,201
Siskiyou	148	455,638	$10,385,943	$9,691,529	$20,077,472
Solano	260	2,796,677	$279,047,583	$185,089,138	$464,136,721
Sonoma	241	2,292,625	$236,495,354	$202,758,773	$439,254,128
Stanislaus	9	122,927	$34,944,619	$20,715,264	$55,659,883
Sutter	47	322,403	$22,380,565	$25,172,168	$47,552,733
Tehama	94	282,672	$3,697,135	$3,083,358	$6,780,493
Trinity	14	25,785	$21,940,444	$30,741,091	$52,681,535
Tulare	153	499,642	$37,795,063	$37,795,063	$75,590,127
Tuolumne	0	0	$0	$0	$0
Ventura	279	1,812,959	$292,322,582	$348,598,339	$640,920,921
Yolo	1,234	6,199,550	$95,526,632	$94,158,448	$189,685,080
Yuba	17	11,326	$8,347,559	$8,347,559	$16,695,119

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	9,411	104,403,547	$9,063,646,503	$8,063,658,016	$17,127,304,519

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	31	$220,745,737	$221,145,583	$441,891,319
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	8	$12,915,719	$13,998,709	$26,914,429
Calaveras	0	$0	$0	$0
Colusa	3	$11,826,640	$11,826,640	$23,653,279
Contra Costa	11	$34,019,397	$29,016,473	$63,035,870
Del Norte	0	$0	$0	$0
El Dorado	3	$2,582,778	$2,582,778	$5,165,556
Fresno	4	$3,083,380	$3,083,380	$6,166,760
Glenn	2	$2,149,720	$2,149,720	$4,299,439
Humboldt	23	$45,451,456	$51,250,240	$96,701,696
Imperial	11	$18,460,884	$17,167,009	$35,627,893
Inyo	11	$17,281,385	$15,872,749	$33,154,134
Kern	50	$164,593,850	$169,759,186	$334,353,036
Kings	2	$930,764	$850,674	$1,781,438
Lake	5	$26,599,804	$15,332,369	$41,932,173
Lassen	7	$35,821,534	$31,936,498	$67,758,031
Los Angeles	139	$654,162,324	$661,284,637	$1,315,446,962
Madera	0	$0	$0	$0
Marin	8	$7,940,224	$7,206,812	$15,147,036
Mariposa	0	$0	$0	$0
Mendocino	12	$24,933,194	$28,456,290	$53,389,484

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	3	$3,628,899	$3,628,899	$7,257,798
Modoc	1	$151,561	$75,781	$227,342
Mono	0	$0	$0	$0
Monterey	12	$13,589,754	$11,394,894	$24,984,649
Napa	7	$20,375,248	$20,296,767	$40,672,015
Nevada	1	$0	$0	$0
Orange	53	$408,471,804	$406,084,039	$814,555,843
Placer	0	$0	$0	$0
Plumas	6	$9,575,060	$9,864,179	$19,439,239
Riverside	38	$90,890,821	$87,019,304	$177,910,125
Sacramento	226	$2,246,100,132	$2,308,862,757	$4,554,962,889
San Benito	4	$1,448,135	$1,448,135	$2,896,270
San Bernardino	59	$188,490,262	$190,126,599	$378,616,862
San Diego	28	$117,811,316	$117,938,223	$235,749,540
San Francisco	18	$200,745,222	$200,265,212	$401,010,434
San Joaquin	8	$11,310,256	$12,293,125	$23,603,381
San Luis Obispo	14	$21,522,176	$21,522,176	$43,044,351
San Mateo	12	$93,450,962	$93,450,962	$186,901,925
Santa Barbara	10	$15,921,040	$14,410,745	$30,331,785
Santa Clara	34	$93,332,872	$96,104,931	$189,437,803
Santa Cruz	3	$1,006,139	$837,838	$1,843,977
Shasta	15	$28,256,365	$28,036,734	$56,293,099
Sierra	0	$0	$0	$0
Siskiyou	13	$9,022,274	$8,880,910	$17,903,184
Solano	21	$106,137,342	$113,754,035	$219,891,377
Sonoma	23	$30,869,998	$35,236,363	$66,106,362
Stanislaus	0	$0	$0	$0
Sutter	2	$2,052,943	$2,052,943	$4,105,885
Tehama	4	$3,378,563	$3,273,292	$6,651,854

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	1	$0	$0	$0
Tulare	18	$52,216,543	$52,216,543	$104,433,086
Tuolumne	0	$0	$0	$0
Ventura	32	$102,190,895	$98,772,566	$200,963,460
Yolo	40	$280,947,376	$305,836,794	$586,784,170
Yuba	1	$0	$0	$0
Total	1,037	$5,436,392,749	$5,526,604,492	$10,962,997,241

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	142	$438,605,450	$465,288,248	$903,893,698
Alpine	6	$2,418,546	$1,791,756	$4,210,303
Amador	0	$0	$0	$0
Butte	61	$21,621,300	$20,804,726	$42,426,026
Calaveras	0	$0	$0	$0
Colusa	55	$14,959,117	$14,959,117	$29,918,234
Contra Costa	58	$101,013,950	$95,241,021	$196,254,971
Del Norte	63	$541,416	$270,708	$812,124
El Dorado	5	$2,582,778	$2,582,778	$5,165,556
Fresno	180	$135,789,496	$71,161,029	$206,950,524
Glenn	52	$28,261,184	$32,007,467	$60,268,652
Humboldt	130	$64,221,953	$68,620,990	$132,842,943
Imperial	350	$200,455,139	$186,600,547	$387,055,686
Inyo	155	$111,373,776	$85,628,553	$197,002,329
Kern	703	$659,171,413	$590,673,542	$1,249,844,955
Kings	445	$328,665,896	$165,515,541	$494,181,436
Lake	54	$33,892,260	$22,624,826	$56,517,086

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	291	$192,727,177	$117,841,472	$310,568,649
Los Angeles	761	$1,418,462,860	$1,500,579,092	$2,919,041,953
Madera	4	$0	$0	$0
Marin	91	$22,085,900	$19,039,693	$41,125,593
Mariposa	0	$0	$0	$0
Mendocino	206	$36,079,236	$41,844,262	$77,923,498
Merced	54	$21,149,914	$15,712,207	$36,862,121
Modoc	32	$11,425,463	$5,712,732	$17,138,195
Mono	77	$11,078,046	$7,935,306	$19,013,352
Monterey	232	$150,760,880	$89,645,633	$240,406,514
Napa	71	$43,537,450	$46,735,180	$90,272,630
Nevada	21	$3,413,608	$3,413,608	$6,827,215
Orange	312	$654,816,748	$682,504,096	$1,337,320,844
Placer	11	$2,779,566	$2,690,343	$5,469,908
Plumas	28	$12,869,211	$13,158,331	$26,027,542
Riverside	366	$252,973,232	$184,149,587	$437,122,818
Sacramento	548	$4,215,127,702	$4,283,744,466	$8,498,872,168
San Benito	96	$56,020,607	$57,378,994	$113,399,601
San Bernardino	553	$948,726,914	$686,811,987	$1,635,538,901
San Diego	447	$624,223,372	$607,271,360	$1,231,494,732
San Francisco	140	$591,575,116	$631,151,198	$1,222,726,314
San Joaquin	106	$61,652,726	$62,305,861	$123,958,586
San Luis Obispo	108	$38,597,832	$43,173,187	$81,771,019
San Mateo	106	$119,790,547	$123,107,985	$242,898,532
Santa Barbara	122	$30,523,870	$30,833,451	$61,357,321
Santa Clara	148	$1,121,076,806	$844,173,245	$1,965,250,051
Santa Cruz	311	$36,143,326	$28,709,632	$64,852,958
Shasta	88	$47,642,454	$49,188,975	$96,831,429
Sierra	8	$1,505,601	$1,505,601	$3,011,201

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	161	$19,408,217	$18,572,438	$37,980,656
Solano	281	$385,184,926	$298,843,173	$684,028,099
Sonoma	264	$267,365,353	$237,995,137	$505,360,490
Stanislaus	9	$34,944,619	$20,715,264	$55,659,883
Sutter	49	$24,433,507	$27,225,111	$51,658,618
Tehama	98	$7,075,698	$6,356,649	$13,432,347
Trinity	15	$21,940,444	$30,741,091	$52,681,535
Tulare	171	$90,011,606	$90,011,606	$180,023,213
Tuolumne	0	$0	$0	$0
Ventura	311	$394,513,477	$447,370,905	$841,884,381
Yolo	1,274	$376,474,007	$399,995,242	$776,469,249
Yuba	18	$8,347,559	$8,347,559	$16,695,119
Total	10,448	$14,500,039,252	$13,590,262,508	$28,090,301,760

Risk Analysis Results – NEHRP Soils (Earthquake) – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	2,176	23,629,348	$2,106,526,246	$1,290,776,135	$3,397,302,381
Development Center	0	0	$0	$0	$0
Hospital	2	119,500	$6,114,574	$4,531,982	$10,646,556
Migrant Center	14	818,733	$606,765,693	$311,004,919	$917,770,612
Special School	64	510,744	$10,729,356	$9,928,709	$20,658,065
Other Facility	7,155	79,325,222	$6,333,510,634	$6,447,416,272	$12,780,926,905
Total	9,411	104,403,547	$9,063,646,503	$8,063,658,016	$17,127,304,519

Risk Analysis Results – NEHRP Soils (Earthquake) – State Highways by County

County	Miles of Highway
Alameda	275.5
Alpine	18.8
Amador	0.1
Butte	66.0
Calaveras	0.1
Colusa	192.3
Contra Costa	94.0
Del Norte	12.1
El Dorado	10.5
Fresno	432.9
Glenn	180.1
Humboldt	165.8
Imperial	680.3
Inyo	616.2
Kern	1,150.0
Kings	221.8
Lake	76.3
Lassen	271.8
Los Angeles	892.3
Madera	1.9
Marin	75.1
Mariposa	0.0
Mendocino	103.3
Merced	188.8
Modoc	105.1
Mono	313.6
Monterey	259.9
Napa	102.5
Nevada	14.6
Orange	336.5

Risk Analysis Results – NEHRP Soils (Earthquake) – State Highways by County

County	Miles of Highway
Placer	20.0
Plumas	159.3
Riverside	712.5
Sacramento	200.2
San Benito	122.0
San Bernardino	1,522.2
San Diego	297.9
San Francisco	34.7
San Joaquin	163.3
San Luis Obispo	197.2
San Mateo	152.5
Santa Barbara	281.6
Santa Clara	300.6
Santa Cruz	61.7
Shasta	81.2
Sierra	55.8
Siskiyou	214.1
Solano	179.3
Sonoma	193.4
Stanislaus	105.2
Sutter	146.1
Tehama	110.6
Trinity	53.0
Tulare	336.2
Tuolumne	3.4
Ventura	339.5
Yolo	206.8
Yuba	12.2
Total	13,120.8

Risk Analysis Results – NEHRP Soils (Earthquake) – State Water Project by Branch

County	Number of State-Owned Dams
California Aqueduct	210.3
Coastal Branch	45.3
East Branch	79.7
East Branch Extension	29.6
North Bay Aqueduct	13.7
Oroville	0.6
South Bay Aqueduct	11.7
West Branch	7.2
Total	398.0

Risk Analysis Results for High Landslide Susceptibility

Risk Analysis Results – High Susceptibility to Landslides – State Bridges by County

County	# of Bridges
Alameda	102
Alpine	7
Amador	3
Butte	16
Calaveras	2
Colusa	5
Contra Costa	74
Del Norte	19
El Dorado	8
Fresno	56
Glenn	8
Humboldt	71
Imperial	27
Inyo	9
Kern	44
Kings	6
Lake	6
Lassen	1
Los Angeles	620
Madera	12
Marin	22
Mariposa	1
Mendocino	65
Merced	35
Modoc	3
Mono	5
Monterey	63
Napa	13
Nevada	14
Orange	129

Risk Analysis Results – High Susceptibility to Landslides – State Bridges by County

County	# of Bridges
Placer	25
Plumas	12
Riverside	91
Sacramento	64
San Benito	11
San Bernardino	194
San Diego	239
San Francisco	51
San Joaquin	43
San Luis Obispo	52
San Mateo	77
Santa Barbara	66
Santa Clara	103
Santa Cruz	36
Shasta	31
Sierra	5
Siskiyou	23
Solano	28
Sonoma	41
Stanislaus	35
Sutter	0
Tehama	13
Trinity	17
Tulare	11
Tuolumne	5
Ventura	81
Yolo	11
Yuba	4
Total	2,815

Risk Analysis Results – High Susceptibility to Landslides – State Dams by County

County	Number of State-Owned Dams
Alameda	2
Alpine	1
Amador	0
Butte	2
Calaveras	0
Colusa	0
Contra Costa	1
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	2
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	3
Nevada	0
Orange	0

Risk Analysis Results – High Susceptibility to Landslides – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	1
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	2
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	1
Santa Barbara	0
Santa Clara	2
Santa Cruz	0
Shasta	0
Sierra	1
Siskiyou	2
Solano	0
Sonoma	1
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	21

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	0	$0	$0	$0
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	85	104,338	$4,014,801	$4,757,955	$8,772,756
CA Dept of Food and Agriculture	0	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	265	482,753	$42,638,612	$33,975,178	$76,613,790
CA Dept of General Services	1	42,000	$0	$0	$0
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	0	0	$0	$0	$0
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	4	44,606	$9,278,302	$9,278,302	$18,556,604
CA Dept of Parks and Recreation	1,699	2,352,221	$48,879,671	$39,986,273	$88,865,944
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	2	580	$31,043	$35,917	$66,960
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	2	26,550	$0	$0	$0
CA Dept of Transportation	204	480,731	$330,745,304	$241,877,395	$572,622,699
CA Dept of Veterans Affairs	62	370,748	$32,704,425	$16,352,213	$49,056,638
CA Dept of Water Resources	4	24,358	$0	$0	$0
CA Employment Development Department	1	60,496	$6,256,487	$6,256,487	$12,512,973
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	1	48	$8,699,380	$8,699,380	$17,398,761
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	0	0	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	11	46,865	$18,269,175	$25,418,814	$43,687,989
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	0	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	119	4,601,250	$210,409,338	$172,576,669	$382,986,006

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	2	8,550	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	9	187,494	$11,413,245	$12,954,888	$24,368,133
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	5	843,519	$227,013,870	$240,099,374	$467,113,244
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	37	17,870	$865,597	$432,798	$1,298,395
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	1,010	12,916,461	$643,281,173	$653,469,249	$1,296,750,422

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	3,523	22,611,438	$1,594,500,422	$1,466,170,892	$3,060,671,314

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	3	$1,219,252	$1,219,252	$2,438,505
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	1	$1,384,823	$1,384,823	$2,769,646
CA Dept of Consumer Affairs	7	$58,743,752	$58,743,752	$117,487,503
CA Dept of Corrections and Rehabilitation	4	$24,380,004	$24,380,004	$48,760,009
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	5	$17,506,885	$17,796,265	$35,303,150
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	8	$10,300,094	$10,425,896	$20,725,990
CA Dept of Food and Agriculture	5	$4,620,611	$5,276,427	$9,897,038

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	15	$4,181,411	$3,841,081	$8,022,493
CA Dept of General Services	2	$141,824,197	$141,824,197	$283,648,394
CA Dept of Health Care Access and Information	1	$70,912,099	$70,912,099	$141,824,197
CA Dept of Health Care Services	1	$816,558	$816,558	$1,633,115
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	3	$161,833,872	$161,833,872	$323,667,743
CA Dept of Insurance	1	$1,845,735	$1,845,735	$3,691,470
CA Dept of Justice	1	$11,220,333	$11,220,333	$22,440,665
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	4	$1,312,133	$1,076,183	$2,388,316
CA Dept of Parks and Recreation	1			$0
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	4	$93,761,312	$94,518,002	$188,279,314
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	3	$41,719,333	$41,719,333	$83,438,666
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	2	$3,938,219	$3,796,839	$7,735,057
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	3	$10,066,964	$11,921,158	$21,988,122
CA Franchise Tax Board	3	$60,029,024	$60,029,024	$120,058,048
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	1	$19,563,374	$19,563,374	$39,126,748
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	1	$1,095,901	$1,095,901	$2,191,801
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	1	$70,912,099	$70,912,099	$141,824,197
California Highway Patrol	6	$6,086,960	$6,086,960	$12,173,919
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	1			$0
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	1	$2,247,086	$2,247,086	$4,494,172
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	9	$1,016,032	$1,016,032	$2,032,065
California State Water Resources Control Board	4	$19,535,035	$19,535,035	$39,070,071
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	1	$789,576	$394,788	$1,184,364
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	1	$13,771,849	$13,771,849	$27,543,697
University of California	0	$0	$0	$0
Total	103	$856,634,521	$859,203,955	$1,715,838,476

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	3	$1,219,252	$1,219,252	$2,438,505
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	1	$1,384,823	$1,384,823	$2,769,646
CA Dept of Consumer Affairs	7	$58,743,752	$58,743,752	$117,487,503
CA Dept of Corrections and Rehabilitation	4	$24,380,004	$24,380,004	$48,760,009

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	5	$17,506,885	$17,796,265	$35,303,150
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	93	$14,314,894	$15,183,852	$29,498,746
CA Dept of Food and Agriculture	5	$4,620,611	$5,276,427	$9,897,038
CA Dept of Forestry and Fire Protection	280	$46,820,024	$37,816,259	$84,636,283
CA Dept of General Services	3	$141,824,197	$141,824,197	$283,648,394
CA Dept of Health Care Access and Information	1	$70,912,099	$70,912,099	$141,824,197
CA Dept of Health Care Services	1	$816,558	$816,558	$1,633,115
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	3	$161,833,872	$161,833,872	$323,667,743
CA Dept of Insurance	1	$1,845,735	$1,845,735	$3,691,470
CA Dept of Justice	1	$11,220,333	$11,220,333	$22,440,665
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	8	$10,590,435	$10,354,485	$20,944,920
CA Dept of Parks and Recreation	1,700	$48,879,671	$39,986,273	$88,865,944
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	4	$93,761,312	$94,518,002	$188,279,314
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	3	$41,719,333	$41,719,333	$83,438,666
CA Dept of State Hospitals	2	$31,043	$35,917	$66,960

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	2	$0	$0	$0
CA Dept of Transportation	206	$334,683,522	$245,674,234	$580,357,756
CA Dept of Veterans Affairs	62	$32,704,425	$16,352,213	$49,056,638
CA Dept of Water Resources	4	$0	$0	$0
CA Employment Development Department	4	$16,323,451	$18,177,645	$34,501,096
CA Franchise Tax Board	3	$60,029,024	$60,029,024	$120,058,048
CA Governor's Office of Emergency Services	1	$8,699,380	$8,699,380	$17,398,761
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	1	$19,563,374	$19,563,374	$39,126,748
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	1	$1,095,901	$1,095,901	$2,191,801
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	1	$70,912,099	$70,912,099	$141,824,197
California Highway Patrol	17	$24,356,135	$31,505,774	$55,861,909
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	1	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	1	$2,247,086	$2,247,086	$4,494,172
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	128	$211,425,370	$173,592,701	$385,018,071
California State Water Resources Control Board	4	$19,535,035	$19,535,035	$39,070,071
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	2	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	9	$11,413,245	$12,954,888	$24,368,133
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	5	$227,013,870	$240,099,374	$467,113,244
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	1	$789,576	$394,788	$1,184,364
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	37	$865,597	$432,798	$1,298,395
Sierra Nevada Conservancy	1	$13,771,849	$13,771,849	$27,543,697
University of California	1,010	$643,281,173	$653,469,249	$1,296,750,422
Total	3,626	$2,451,134,943	$2,325,374,848	$4,776,509,790

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	560	7,514,791	$306,551,470	$383,377,186	$689,928,656
Alpine	7	13,184	$2,598,926	$1,881,946	$4,480,873
Amador	4	794	$0	$0	$0
Butte	6	22,487	$1,933,795	$1,983,808	$3,917,602
Calaveras	2	6,734	$391,473	$391,473	$782,945
Colusa	0	0	$0	$0	$0
Contra Costa	51	60,392	$22,370,432	$22,494,351	$44,864,783
Del Norte	22	18,728	$0	$0	$0
El Dorado	2	8,550	$0	$0	$0
Fresno	2	3,577	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	189	1,449,633	$62,425,173	$45,625,449	$108,050,622
Imperial	8	6,819	$0	$0	$0
Inyo	46	74,169	$54,772,328	$28,801,363	$83,573,692
Kern	28	30,868	$12,674,963	$14,662,755	$27,337,718
Kings	0	0	$0	$0	$0
Lake	0	0	$0	$0	$0
Lassen	3	2,676	$0	$0	$0
Los Angeles	198	1,979,304	$238,045,802	$251,449,462	$489,495,264
Madera	0	0	$0	$0	$0
Marin	318	756,689	$8,816,946	$6,530,538	$15,347,484
Mariposa	0	0	$0	$0	$0
Mendocino	327	265,631	$7,931,514	$6,281,671	$14,213,185
Merced	2	0	$0	$0	$0
Modoc	0	0	$0	$0	$0
Mono	25	33,686	$0	$0	$0
Monterey	196	519,221	$10,773,418	$10,400,883	$21,174,300
Napa	58	176,003	$6,961,374	$3,501,083	$10,462,457
Nevada	41	145,745	$9,999,838	$11,368,744	$21,368,582

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	371	3,265,836	$286,727,045	$196,214,973	$482,942,018
Placer	12	15,523	$2,846,133	$2,768,258	$5,614,391
Plumas	4	13,672	$0	$0	$0
Riverside	26	153,492	$12,951,707	$9,461,858	$22,413,565
Sacramento	9	22,629	$555,830	$555,830	$1,111,659
San Benito	13	15,072	$1,702,882	$1,265,255	$2,968,137
San Bernardino	82	382,283	$32,487,050	$18,419,181	$50,906,231
San Diego	94	84,099	$9,349,876	$9,273,838	$18,623,713
San Francisco	108	4,044,416	$416,069,850	$354,101,182	$770,171,032
San Joaquin	1	0	$0	$0	$0
San Luis Obispo	52	254,295	$14,007,264	$12,848,199	$26,855,463
San Mateo	37	36,820	$3,298,263	$3,298,263	$6,596,527
Santa Barbara	86	301,128	$13,159,789	$14,701,433	$27,861,222
Santa Clara	21	26,921	$1,309,914	$1,048,257	$2,358,172
Santa Cruz	275	321,048	$20,391,853	$18,080,202	$38,472,055
Shasta	48	140,147	$8,331,530	$9,685,617	$18,017,147
Sierra	0	0	$0	$0	$0
Siskiyou	42	56,737	$3,154,699	$4,294,308	$7,449,007
Solano	8	83,965	$4,047,203	$2,187,046	$6,234,249
Sonoma	91	214,041	$4,009,681	$3,648,507	$7,658,188
Stanislaus	1	876	$2,209,109	$2,209,109	$4,418,218
Sutter	0	0	$0	$0	$0
Tehama	19	41,226	$4,037,691	$4,396,901	$8,434,592
Trinity	16	25,201	$3,087,497	$3,087,497	$6,174,994
Tulare		0	$0	$0	$0
Tuolumne	1	120	$0	$0	$0
Ventura	11	22,210	$4,518,103	$5,874,467	$10,392,570
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	3,523	22,611,438	$1,594,500,422	$1,466,170,892	$3,060,671,314

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	4	$2,230,515	$2,446,120	$4,676,635
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	3	$5,072,931	$5,362,311	$10,435,242
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	6	$12,928,781	$12,787,401	$25,716,181
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	1	$13,771,849	$13,771,849	$27,543,697
Los Angeles	27	$642,035,725	$643,967,101	$1,286,002,826
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	2	$108,056	$54,028	$162,084

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	1	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	4	$6,730,449	$6,730,449	$13,460,897
Napa	0	$0	$0	$0
Nevada	2	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	1	$0	$0	$0
Riverside	6	$4,540,027	$5,296,716	$9,836,743
Sacramento	2	$11,056,802	$11,056,802	$22,113,605
San Benito	2	$251,954	$125,977	$377,931
San Bernardino	2	$1,715,766	$1,715,766	$3,431,531
San Diego	9	$29,033,236	$29,033,236	$58,066,473
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	3	$0	$0	$0
San Mateo	5	$91,941,250	$91,941,250	$183,882,500
Santa Barbara	0	$0	$0	$0
Santa Clara	1	$523,314	$261,657	$784,971
Santa Cruz	3	$1,444,154	$1,275,853	$2,720,007
Shasta	4	$17,430,815	$17,430,815	$34,861,630
Sierra	0	$0	$0	$0
Siskiyou	4	$2,094,927	$2,222,654	$4,317,581
Solano	2	$2,128,066	$2,128,066	$4,256,131
Sonoma	1	$1,773,227	$1,773,227	$3,546,454
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	1	$2,123,244	$2,123,244	$4,246,488

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	1	$0	$0	$0
Ventura	6	$7,699,434	$7,699,434	$15,398,869
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	103	$856,634,521	$859,203,955	$1,715,838,476

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	560	$306,551,470	$383,377,186	$689,928,656
Alpine	7	$2,598,926	$1,881,946	$4,480,873
Amador	4	$0	$0	$0
Butte	10	$4,164,310	$4,429,928	$8,594,238
Calaveras	2	$391,473	$391,473	$782,945
Colusa	0	$0	$0	$0
Contra Costa	54	$27,443,363	$27,856,662	$55,300,026
Del Norte	22	$0	$0	$0
El Dorado	2	$0	$0	$0
Fresno	2	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	195	$75,353,954	$58,412,850	$133,766,804
Imperial	8	$0	$0	$0
Inyo	46	$54,772,328	$28,801,363	$83,573,692
Kern	28	$12,674,963	$14,662,755	$27,337,718
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	4	$13,771,849	$13,771,849	$27,543,697
Los Angeles	225	$880,081,527	$895,416,563	$1,775,498,090
Madera	0	$0	$0	$0
Marin	318	$8,816,946	$6,530,538	$15,347,484
Mariposa	0	$0	$0	$0
Mendocino	329	$8,039,570	$6,335,699	$14,375,270
Merced	3	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	25	$0	$0	$0
Monterey	200	$17,503,866	$17,131,331	$34,635,198
Napa	58	$6,961,374	$3,501,083	$10,462,457
Nevada	43	$9,999,838	$11,368,744	$21,368,582
Orange	371	$286,727,045	$196,214,973	$482,942,018
Placer	12	$2,846,133	$2,768,258	$5,614,391
Plumas	5	$0	$0	$0
Riverside	32	$17,491,734	$14,758,574	$32,250,308
Sacramento	11	$11,612,632	$11,612,632	$23,225,264
San Benito	15	$1,954,836	$1,391,232	$3,346,068
San Bernardino	84	$34,202,816	$20,134,947	$54,337,762
San Diego	103	$38,383,112	$38,307,074	$76,690,186
San Francisco	108	$416,069,850	$354,101,182	$770,171,032
San Joaquin	1	$0	$0	$0
San Luis Obispo	55	$14,007,264	$12,848,199	$26,855,463
San Mateo	42	$95,239,513	$95,239,513	$190,479,027
Santa Barbara	86	$13,159,789	$14,701,433	$27,861,222
Santa Clara	22	$1,833,228	$1,309,914	$3,143,143
Santa Cruz	278	$21,836,007	$19,356,054	$41,192,062
Shasta	52	$25,762,345	$27,116,432	$52,878,777
Sierra	0	$0	$0	$0

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	46	$5,249,626	$6,516,963	$11,766,588
Solano	10	$6,175,268	$4,315,112	$10,490,380
Sonoma	92	$5,782,908	$5,421,734	$11,204,642
Stanislaus	1	$2,209,109	$2,209,109	$4,418,218
Sutter	0	$0	$0	$0
Tehama	20	$6,160,935	$6,520,145	$12,681,080
Trinity	16	$3,087,497	$3,087,497	$6,174,994
Tulare	0	$0	$0	$0
Tuolumne	2	$0	$0	$0
Ventura	17	$12,217,537	$13,573,902	$25,791,439
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	3,626	$2,451,134,943	$2,325,374,848	$4,776,509,790

Risk Analysis Results – High Susceptibility to Landslides – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	0	0	$0	$0	$0
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	2	77,750	$9,914,238	$4,957,119	$14,871,357
Special School	0	0	$0	$0	$0
Other Facility	1,032	1,951,261	$148,144,003	$141,361,842	$289,505,844
Total	1,034	2,029,011	$158,058,241	$146,318,961	$304,377,202

Risk Analysis Results for Very High Landslide Susceptibility

Risk Analysis Results – Very High Susceptibility to Landslides – State Bridges by County

County	# of Bridges
Alameda	17
Alpine	0
Amador	0
Butte	3
Calaveras	0
Colusa	0
Contra Costa	3
Del Norte	6
El Dorado	4
Fresno	8
Glenn	0
Humboldt	9
Imperial	4
Inyo	2
Kern	4
Kings	0
Lake	0
Lassen	0
Los Angeles	83
Madera	3
Marin	0
Mariposa	0
Mendocino	4
Merced	0
Modoc	1
Mono	0
Monterey	27
Napa	3
Nevada	0
Orange	26

Risk Analysis Results – Very High Susceptibility to Landslides – State Bridges by County

County	# of Bridges
Placer	0
Plumas	0
Riverside	4
Sacramento	2
San Benito	0
San Bernardino	14
San Diego	22
San Francisco	1
San Joaquin	3
San Luis Obispo	5
San Mateo	5
Santa Barbara	5
Santa Clara	6
Santa Cruz	3
Shasta	0
Sierra	0
Siskiyou	5
Solano	1
Sonoma	1
Stanislaus	8
Sutter	0
Tehama	0
Trinity	5
Tulare	0
Tuolumne	0
Ventura	9
Yolo	0
Yuba	0
Total	306

Risk Analysis Results – Very High Susceptibility to Landslides – State Dams by County

County	Number of State-Owned Dams
Alameda	2
Alpine	1
Amador	0
Butte	2
Calaveras	0
Colusa	0
Contra Costa	1
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	2
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	3
Nevada	0
Orange	0

Risk Analysis Results – Very High Susceptibility to Landslides – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	2
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	0	$0	$0	$0
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	0	0	$0	$0	$0
CA Dept of Food and Agriculture	0	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	12	13,947	$107,102	$107,102	$214,205
CA Dept of General Services	0	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	0	0	$0	$0	$0
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	0	0	$0	$0	$0
CA Dept of Parks and Recreation	18	27,923	$866,226	$569,413	$1,435,639
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	25	24,698	$0	$0	$0
CA Dept of Veterans Affairs	0	0	$0	$0	$0
CA Dept of Water Resources	0	0	$0	$0	$0
CA Employment Development Department	0	0	$0	$0	$0
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	0	0	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	0	0	$0	$0	$0
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	0	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	12	123,860	$2,118,359	$1,059,180	$3,177,539

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	0	0	$0	$0	$0
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	0	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	4	15,255	$487,087	$243,543	$730,630
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	71	205,683	$3,578,775	$1,979,238	$5,558,013

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	1	$3,504,013	$3,504,013	$7,008,027
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	3	$0	$0	$0
CA Dept of Food and Agriculture	1	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	5	$3,405,110	$2,104,924	$5,510,034
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	2	$1,969,652	$1,969,652	$3,939,304
CA Dept of Insurance	1	$4,540,430	$4,540,430	$9,080,859
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	0	$0	$0	$0
CA Dept of Parks and Recreation	1	$0	$0	$0
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	0	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	0	$0	$0	$0
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	0	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	0	$0	$0	$0
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	14	$13,419,205	$12,119,020	$25,538,225

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	1	$3,504,013	$3,504,013	$7,008,027
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	3	$0	$0	$0
CA Dept of Food and Agriculture	1	$0	$0	$0
CA Dept of Forestry and Fire Protection	17	$3,512,212	$2,212,027	$5,724,239
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	2	$1,969,652	$1,969,652	$3,939,304
CA Dept of Insurance	1	$4,540,430	$4,540,430	$9,080,859
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	0	$0	$0	$0
CA Dept of Parks and Recreation	19	$866,226	$569,413	$1,435,639
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	25	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0
CA Employment Development Department	0	$0	$0	$0
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	0	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	12	$2,118,359	$1,059,180	$3,177,539
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	4	$487,087	$243,543	$730,630
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	85	$16,997,980	$14,098,258	$31,096,238

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	2	1,616	$0	$0	$0
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	0	0	$0	$0	$0
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	0	0	$0	$0	$0
Del Norte	0	0	$0	$0	$0
El Dorado	0	0	$0	$0	$0
Fresno	0	0	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	25	131,211	$2,118,359	$1,059,180	$3,177,539
Imperial	0	0	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	0	0	$0	$0	$0
Lassen	0	0	$0	$0	$0
Los Angeles	5	15,417	$487,087	$243,543	$730,630
Madera	0	0	$0	$0	$0
Marin	0	0	$0	$0	$0
Mariposa	0	0	$0	$0	$0
Mendocino	3	684	$107,102	$107,102	$214,205
Merced	0	0	$0	$0	$0
Modoc	0	0	$0	$0	$0
Mono	0	0	$0	$0	$0
Monterey	12	15,204	$593,627	$296,814	$890,441
Napa	0	0	$0	$0	$0
Nevada	0	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	0	0	$0	$0	$0
Placer	0	0	$0	$0	$0
Plumas	0	0	$0	$0	$0
Riverside	0	0	$0	$0	$0
Sacramento	0	0	$0	$0	$0
San Benito	0	0	$0	$0	$0
San Bernardino	1	2,690	$0	$0	$0
San Diego	0	0	$0	$0	$0
San Francisco	0	0	$0	$0	$0
San Joaquin	0	0	$0	$0	$0
San Luis Obispo	1	2,244	$0	$0	$0
San Mateo	0	0	$0	$0	$0
Santa Barbara	0	0	$0	$0	$0
Santa Clara	7	9,335	$0	$0	$0
Santa Cruz	0	0	$0	$0	$0
Shasta	0	0	$0	$0	$0
Sierra	0	0	$0	$0	$0
Siskiyou	0	0	$0	$0	$0
Solano	0	0	$0	$0	$0
Sonoma	15	27,282	$272,599	$272,599	$545,198
Stanislaus	0	0	$0	$0	$0
Sutter	0	0	$0	$0	$0
Tehama	0	0	$0	$0	$0
Trinity	0	0	$0	$0	$0
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	0	0	$0	$0	$0
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	71	205,683	$3,578,775	$1,979,238	$5,558,013

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	1	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	2	$4,540,430	$4,540,430	$9,080,859
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	1	$3,504,013	$3,504,013	$7,008,027
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	4	$2,600,371	$1,300,186	$3,900,557
Santa Cruz	0	$0	$0	$0
Shasta	3	$2,774,391	$2,774,391	$5,548,781
Sierra	0	$0	$0	$0
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	3	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	14	$13,419,205	$12,119,020	$25,538,225

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	2	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	25	$2,118,359	$1,059,180	$3,177,539
Imperial	0	$0	$0	$0
Inyo	1	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	7	$5,027,517	$4,783,973	$9,811,490
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	3	$107,102	$107,102	$214,205
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	12	$593,627	$296,814	$890,441
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	1	$0	$0	$0
San Diego	1	$3,504,013	$3,504,013	$7,008,027
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	1	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	11	$2,600,371	$1,300,186	$3,900,557
Santa Cruz	0	$0	$0	$0
Shasta	3	$2,774,391	$2,774,391	$5,548,781
Sierra	0	$0	$0	$0

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	15	$272,599	$272,599	$545,198
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	3	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	85	$16,997,980	$14,098,258	$31,096,238

Risk Analysis Results – Very High Susceptibility to Landslides – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	0	0	$0	$0	$0
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	0	0	$0	$0	$0
Special School	0	0	$0	$0	$0
Other Facility	71	205,683	$3,578,775	$1,979,238	$5,558,013
Total	71	205,683	$3,578,775	$1,979,238	$5,558,013

Risk Analysis Results for Landslide Zones

Risk Analysis Results – Landslide Zones – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	4,676	84,018	5.6%
Alpine	0	0	0.0%
Amador	0	0	0.0%
Butte	0	0	0.0%
Calaveras	0	0	0.0%
Colusa	0	0	0.0%
Contra Costa	34	8,721	0.4%
Del Norte	0	0	0.0%
El Dorado	0	0	0.0%
Fresno	0	0	0.0%
Glenn	0	0	0.0%
Humboldt	0	0	0.0%
Imperial	0	0	0.0%
Inyo	0	0	0.0%
Kern	0	0	0.0%
Kings	0	0	0.0%
Lake	0	0	0.0%
Lassen	0	0	0.0%
Los Angeles	6,904	211,399	3.3%
Madera	0	0	0.0%
Marin	0	0	0.0%
Mariposa	0	0	0.0%
Mendocino	0	0	0.0%
Merced	0	0	0.0%
Modoc	0	0	0.0%
Mono	0	0	0.0%
Monterey	0	0	0.0%
Napa	0	0	0.0%
Nevada	0	0	0.0%
Orange	0	133,868	0.0%

Risk Analysis Results – Landslide Zones – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	0	0.0%
Plumas	0	0	0.0%
Riverside	0	1,031	0.0%
Sacramento	0	0	0.0%
San Benito	0	0	0.0%
San Bernardino	0	3,644	0.0%
San Diego	0	0	0.0%
San Francisco	699	12,767	5.5%
San Joaquin	0	0	0.0%
San Luis Obispo	0	0	0.0%
San Mateo	3	73,075	0.0%
Santa Barbara	0	0	0.0%
Santa Clara	26	59,347	0.0%
Santa Cruz	0	2	0.0%
Shasta	0	0	0.0%
Sierra	0	0	0.0%
Siskiyou	0	0	0.0%
Solano	0	0	0.0%
Sonoma	0	0	0.0%
Stanislaus	0	0	0.0%
Sutter	0	0	0.0%
Tehama	0	0	0.0%
Trinity	0	0	0.0%
Tulare	0	0	0.0%
Tuolumne	0	0	0.0%
Ventura	4,551	31,900	14.3%
Yolo	0	0	0.0%
Yuba	0	0	0.0%
Total	16,892	619,773	2.7%

Risk Analysis Results – Landslide Zones – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	11,614	83,922	13.8%
Alpine	0	50,861	0.0%
Amador	0	97,686	0.0%
Butte	0	88,320	0.0%
Calaveras	0	124,320	0.0%
Colusa	0	39,975	0.0%
Contra Costa	1,221	28,731	4.3%
Del Norte	0	10,802	0.0%
El Dorado	0	184,442	0.0%
Fresno	0	51,792	0.0%
Glenn	0	2,085	0.0%
Humboldt	0	78,482	0.0%
Imperial	0	710,020	0.0%
Inyo	0	246,441	0.0%
Kern	0	1,014,386	0.0%
Kings	0	8,907	0.0%
Lake	0	82,544	0.0%
Lassen	0	180,689	0.0%
Los Angeles	155,346	911,564	17.0%
Madera	0	41,190	0.0%
Marin	0	24,696	0.0%
Mariposa	0	228,533	0.0%
Mendocino	0	855,474	0.0%
Merced	0	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	0	130,547	0.0%
Monterey	0	92,667	0.0%
Napa	0	169,772	0.0%
Nevada	0	146,358	0.0%

Risk Analysis Results – Landslide Zones – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	44,759	151,777	29.5%
Placer	0	122,653	0.0%
Plumas	0	60,257	0.0%
Riverside	3,164	1,065,179	0.3%
Sacramento	0	75,501	0.0%
San Benito	0	8,877	0.0%
San Bernardino	1,462	1,734,287	0.1%
San Diego	1	522,630	0.0%
San Francisco	256	4,245	6.0%
San Joaquin	0	28,214	0.0%
San Luis Obispo	0	733,458	0.0%
San Mateo	12,976	32,801	39.6%
Santa Barbara	0	28,657	0.0%
Santa Clara	11,377	43,054	26.4%
Santa Cruz	2	40,770	0.0%
Shasta	0	381,315	0.0%
Sierra	0	35,361	0.0%
Siskiyou	0	508,754	0.0%
Solano	0	55,831	0.0%
Sonoma	0	57,738	0.0%
Stanislaus	0	14,179	0.0%
Sutter	0	2,369	0.0%
Tehama	0	84,053	0.0%
Trinity	0	116,464	0.0%
Tulare	0	6,847	0.0%
Tuolumne	0	70,255	0.0%
Ventura	11,860	31,804	37.3%
Yolo	0	40,856	0.0%
Yuba	0	30,685	0.0%

Risk Analysis Results – Landslide Zones – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	254,039	11,788,962	2.2%

Risk Analysis Results – Landslide Zones – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	0	0	0	0	0	1	1
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	0	0	0	0	0	0	0
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	0	0	0	0	0	0	0
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0
Imperial	0	0	0	0	0	0	0	0
Inyo	0	0	0	0	0	0	0	0
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	0	0	1	0	0	0	1	2
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	0	0	0	0
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Landslide Zones – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	0	0	0	0	0	0
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	0	0	0	0	0	0
Sacramento	0	0	0	0	0	0	0	0
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	0	0	0	0
San Diego	0	0	0	0	0	0	0	0
San Francisco	0	0	0	0	0	0	0	0
San Joaquin	0	0	0	0	0	0	0	0
San Luis Obispo	0	0	0	0	0	0	0	0
San Mateo	0	0	1	0	0	0	0	1
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	0	0	0	0	0	0	0	0
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	0	0
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	0	0	0	0	0	0
Sutter	0	0	0	0	0	0	0	0
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	0	0	0	0	0	0	0
Yolo	0	0	0	0	0	0	0	0

Risk Analysis Results – Landslide Zones – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	0	0	2	0	0	0	2	4

Risk Analysis Results – Landslide Zones – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	-	-	-	-	-	$500.0 Million to $1.0 Billion
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	-	-	-	-	-	-
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-
Imperial	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-
Kern	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	-	-	$500.0 Million to $1.0 Billion	-	-	-	$100.0 Million to $500.0 Million
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-

Risk Analysis Results – Landslide Zones – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Orange	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	-	-	-	-	-	-
Sacramento	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-
San Diego	-	-	-	-	-	-	-
San Francisco	-	-	-	-	-	-	-
San Joaquin	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	-	-	-	-
San Mateo	-	-	$10.0 Million to $100.0 Million	-	-	-	-
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	-	-	-	-	-	-	-
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	-	-	-	-	-
Sutter	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	-	-	-	-	-	-
Yolo	-	-	-	-	-	-	-

Risk Analysis Results – Landslide Zones – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – Landslide Zones – State Bridges by County

County	# of Bridges
Alameda	31
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	22
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	21

Risk Analysis Results – Landslide Zones – State Bridges by County

County	# of Bridges
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	4
San Joaquin	0
San Luis Obispo	0
San Mateo	25
Santa Barbara	0
Santa Clara	5
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	4
Yolo	0
Yuba	0
Total	112

Risk Analysis Results – Landslide Zones – State Dams by County

County	Number of State-Owned Dams
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	2
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – Landslide Zones – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	2

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	0	$0	$0	$0
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	0	0	$0	$0	$0
CA Dept of Food and Agriculture	0	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	7	9,335	$0	$0	$0
CA Dept of General Services	0	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	0	0	$0	$0	$0
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	0	0	$0	$0	$0
CA Dept of Parks and Recreation	2	226	$0	$0	$0
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	2	1,616	$0	$0	$0
CA Dept of Veterans Affairs	0	0	$0	$0	$0
CA Dept of Water Resources	0	0	$0	$0	$0
CA Employment Development Department	0	0	$0	$0	$0
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	0	0	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	0	0	$0	$0	$0
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	0	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	0	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	0	0	$0	$0	$0
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	0	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	4	15,255	$487,087	$243,543	$730,630
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	15	26,432	$487,087	$243,543	$730,630

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	0	$0	$0	$0
CA Dept of Food and Agriculture	1			$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	4	$2,600,371	$1,300,186	$3,900,557
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	0	$0	$0	$0
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	0	$0	$0	$0
CA Dept of Parks and Recreation	0	$0	$0	$0
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	5	$32,427,434	$32,427,434	$64,854,868
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	0	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	0	$0	$0	$0
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	1	$19,563,374	$19,563,374	$39,126,748
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	2	$4,833,869	$4,833,869	$9,667,739
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	2	$0	$0	$0
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	15	$59,425,049	$58,124,863	$117,549,912

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	0	$0	$0	$0
CA Dept of Food and Agriculture	1	$0	$0	$0
CA Dept of Forestry and Fire Protection	11	$2,600,371	$1,300,186	$3,900,557
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	0	$0	$0	$0
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	0	$0	$0	$0
CA Dept of Parks and Recreation	2	$0	$0	$0
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	5	$32,427,434	$32,427,434	$64,854,868
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	2	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0
CA Employment Development Department	0	$0	$0	$0
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	1	$19,563,374	$19,563,374	$39,126,748
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	2	$4,833,869	$4,833,869	$9,667,739
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	2	$0	$0	$0
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	4	$487,087	$243,543	$730,630
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	30	$59,912,136	$58,368,407	$118,280,542

Risk Analysis Results – Landslide Zones – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	2	1,616	$0	$0	$0
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	0	0	$0	$0	$0
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	0	0	$0	$0	$0
Del Norte	0	0	$0	$0	$0
El Dorado	0	0	$0	$0	$0
Fresno	0	0	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	0	0	$0	$0	$0
Imperial	0	0	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	0	0	$0	$0	$0
Lassen	0	0	$0	$0	$0
Los Angeles	5	15,417	$487,087	$243,543	$730,630
Madera	0	0	$0	$0	$0
Marin	0	0	$0	$0	$0
Mariposa	0	0	$0	$0	$0
Mendocino	0	0	$0	$0	$0
Merced	0	0	$0	$0	$0
Modoc	0	0	$0	$0	$0
Mono	0	0	$0	$0	$0
Monterey	0	0	$0	$0	$0
Napa	0	0	$0	$0	$0
Nevada	0	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	0	0	$0	$0	$0
Placer	0	0	$0	$0	$0
Plumas	0	0	$0	$0	$0
Riverside	0	0	$0	$0	$0
Sacramento	0	0	$0	$0	$0
San Benito	0	0	$0	$0	$0
San Bernardino	0	0	$0	$0	$0
San Diego	0	0	$0	$0	$0
San Francisco	0	0	$0	$0	$0
San Joaquin	0	0	$0	$0	$0
San Luis Obispo	0	0	$0	$0	$0
San Mateo	1	64	$0	$0	$0
Santa Barbara	0	0	$0	$0	$0
Santa Clara	7	9,335	$0	$0	$0
Santa Cruz	0	0	$0	$0	$0
Shasta	0	0	$0	$0	$0
Sierra	0	0	$0	$0	$0
Siskiyou	0	0	$0	$0	$0
Solano	0	0	$0	$0	$0
Sonoma	0	0	$0	$0	$0
Stanislaus	0	0	$0	$0	$0
Sutter	0	0	$0	$0	$0
Tehama	0	0	$0	$0	$0
Trinity	0	0	$0	$0	$0
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	0	0	$0	$0	$0
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	15	26,432	$487,087	$243,543	$730,630

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	6	$51,990,808	$51,990,808	$103,981,616
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	4	$2,600,371	$1,300,186	$3,900,557
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	5	$4,833,869	$4,833,869	$9,667,739
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	15	$59,425,049	$58,124,863	$117,549,912

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	2	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	11	$52,477,895	$52,234,352	$104,712,247
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	1	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	11	$2,600,371	$1,300,186	$3,900,557
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0

Risk Analysis Results – Landslide Zones – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	5	$4,833,869	$4,833,869	$9,667,739
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	30	$59,912,136	$58,368,407	$118,280,542

Risk Analysis Results – Landslide Zones – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	0	0	$0	$0	$0
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	0	0	$0	$0	$0
Special School	0	0	$0	$0	$0
Other Facility	15	26,432	$487,087	$243,543	$730,630
Total	15	26,432	$487,087	$243,543	$730,630

Risk Analysis Results – Landslide Zones – State Highways by County

County	Miles of Highway
Alameda	13.5
Alpine	0.0
Amador	0.0
Butte	0.0
Calaveras	0.0
Colusa	0.0
Contra Costa	0.0
Del Norte	0.0
El Dorado	0.0
Fresno	0.0
Glenn	0.0
Humboldt	0.0
Imperial	0.0
Inyo	0.0
Kern	0.0
Kings	0.0
Lake	0.0
Lassen	0.0
Los Angeles	39.3
Madera	0.0
Marin	0.0
Mariposa	0.0
Mendocino	0.0
Merced	0.0
Modoc	0.0
Mono	0.0
Monterey	0.0
Napa	0.0
Nevada	0.0
Orange	19.0

Risk Analysis Results – Landslide Zones – State Highways by County

County	Miles of Highway
Placer	0.0
Plumas	0.0
Riverside	0.6
Sacramento	0.0
San Benito	0.0
San Bernardino	0.3
San Diego	0.0
San Francisco	0.2
San Joaquin	0.0
San Luis Obispo	0.0
San Mateo	18.8
Santa Barbara	0.0
Santa Clara	30.0
Santa Cruz	0.0
Shasta	0.0
Sierra	0.0
Siskiyou	0.0
Solano	0.0
Sonoma	0.0
Stanislaus	0.0
Sutter	0.0
Tehama	0.0
Trinity	0.0
Tulare	0.0
Tuolumne	0.0
Ventura	19.2
Yolo	0.0
Yuba	0.0
Total	140.9

Risk Analysis Results – Landslide Zones – State Water Project by Branch

County	Miles of Canals & Pipelines
California Aqueduct	0.0
Coastal Branch	0.0
East Branch	0.6
East Branch Extension	0.0
North Bay Aqueduct	0.0
Oroville	0.0
South Bay Aqueduct	7.8
West Branch	1.2
Total	9.6

Risk Analysis Results for Post-Wildire Debris Flow

Risk Analysis Results – Post-Wildfire Debris Flow – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	951	83,922	1.1%
Alpine	8,185	50,861	16.1%
Amador	0	97,686	0.0%
Butte	21,511	88,320	24.4%
Calaveras	0	124,320	0.0%
Colusa	20	39,975	0.0%
Contra Costa	0	28,731	0.0%
Del Norte	29	10,802	0.3%
El Dorado	5,001	184,442	2.7%
Fresno	2,150	51,792	4.2%
Glenn	0	2,085	0.0%
Humboldt	17	78,482	0.0%
Imperial	0	710,020	0.0%
Inyo	25	246,441	0.0%
Kern	763	1,014,386	0.1%
Kings	0	8,907	0.0%
Lake	9,215	82,544	11.2%
Lassen	4,317	180,689	2.4%
Los Angeles	33,876	911,564	3.7%
Madera	449	41,190	1.1%
Marin	0	24,696	0.0%
Mariposa	4,445	228,533	1.9%
Mendocino	135,330	855,474	15.8%
Merced	0	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	306	130,547	0.2%
Monterey	7,113	92,667	7.7%
Napa	47,736	169,772	28.1%
Nevada	16	146,358	0.0%

Risk Analysis Results – Post-Wildfire Debris Flow – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	2,788	151,777	1.8%
Placer	2,943	122,653	2.4%
Plumas	10,409	60,257	17.3%
Riverside	11,537	1,065,179	1.1%
Sacramento	0	75,501	0.0%
San Benito	0	8,877	0.0%
San Bernardino	12,282	1,734,287	0.7%
San Diego	2,079	522,630	0.4%
San Francisco	0	4,245	0.0%
San Joaquin	0	28,214	0.0%
San Luis Obispo	0	733,458	0.0%
San Mateo	112	32,801	0.3%
Santa Barbara	269	28,657	0.9%
Santa Clara	249	43,054	0.6%
Santa Cruz	6,803	40,770	16.7%
Shasta	28,082	381,315	7.4%
Sierra	3,070	35,361	8.7%
Siskiyou	26,676	508,754	5.2%
Solano	1,668	55,831	3.0%
Sonoma	4,246	57,738	7.4%
Stanislaus	9	14,179	0.1%
Sutter	0	2,369	0.0%
Tehama	1,521	84,053	1.8%
Trinity	18,987	116,464	16.3%
Tulare	818	6,847	11.9%
Tuolumne	10	70,255	0.0%
Ventura	5,154	31,804	16.2%
Yolo	56	40,856	0.1%
Yuba	0	30,685	0.0%

Risk Analysis Results – Post-Wildfire Debris Flow – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	421,223	11,788,962	3.6%

Risk Analysis Results – Post-Wildfire Debris Flow – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	0	0	0	0	0	0	0
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	0	0	0	0	0	0	0
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	0	0	0	0	0	0	0
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0
Imperial	0	0	0	0	0	0	0	0
Inyo	0	0	0	0	0	0	0	0
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	0	1	0	0	0	0	0	1
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	0	0	0	0
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Post-Wildfire Debris Flow – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	0	0	0	0	0	0
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	0	0	0	0	0	0
Sacramento	0	0	0	0	0	0	0	0
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	0	0	0	0
San Diego	0	0	0	0	0	0	0	0
San Francisco	0	0	0	0	0	0	0	0
San Joaquin	0	0	0	0	0	0	0	0
San Luis Obispo	0	0	0	0	0	0	0	0
San Mateo	0	0	0	0	0	0	0	0
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	0	0	0	0	0	0	0	0
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	0	0
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	0	0	0	0	0	0
Sutter	0	0	0	0	0	0	0	0
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	0	0	0	0	0	0	0
Yolo	0	0	0	0	0	0	0	0

Risk Analysis Results – Post-Wildfire Debris Flow – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	0	1	0	0	0	0	0	1

Risk Analysis Results – Post-Wildfire Debris Flow – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	-	-	-	-	-	-
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	-	-	-	-	-	-
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-
Imperial	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-
Kern	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	-	$500.0 Million to $1.0 Billion	-	-	-	-	-
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-

Risk Analysis Results – Post-Wildfire Debris Flow – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	-	-	-	-	-	-
Sacramento	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-
San Diego	-	-	-	-	-	-	-
San Francisco	-	-	-	-	-	-	-
San Joaquin	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	-	-	-	-
San Mateo	-	-	-	-	-	-	-
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	-	-	-	-	-	-	-
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	-	-	-	-	-
Sutter	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	-	-	-	-	-	-

Risk Analysis Results – Post-Wildfire Debris Flow – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Yolo	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – Post-Wildfire Debris Flow – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	0	2	0.0%
Alpine	49	49	100.0%
Amador	0	0	0.0%
Butte	27	13,798	0.2%
Calaveras	0	0	0.0%
Colusa	0	61	0.0%
Contra Costa	0	0	0.0%
Del Norte	0	62	0.0%
El Dorado	0	1,036	0.0%
Fresno	0	938	0.0%
Glenn	0	71	0.0%
Humboldt	0	29	0.0%
Imperial	0	0	0.0%
Inyo	0	0	0.0%
Kern	0	84	0.0%
Kings	0	0	0.0%
Lake	0	4,058	0.0%
Lassen	0	577	0.0%
Los Angeles	902	17,239	5.2%
Madera	0	119	0.0%
Marin	0	0	0.0%
Mariposa	0	880	0.0%
Mendocino	75	81	92.7%
Merced	0	0	0.0%
Modoc	0	0	0.0%
Mono	0	0	0.0%
Monterey	1,233	2,942	41.9%
Napa	0	1,471	0.0%
Nevada	0	53	0.0%
Orange	0	1,206	0.0%

Risk Analysis Results – Post-Wildfire Debris Flow – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	473	0.0%
Plumas	0	1,382	0.0%
Riverside	181	16,602	1.1%
Sacramento	0	0	0.0%
San Benito	0	0	0.0%
San Bernardino	0	4,378	0.0%
San Diego	40	150	26.4%
San Francisco	0	0	0.0%
San Joaquin	0	51	0.0%
San Luis Obispo	0	0	0.0%
San Mateo	0	22	0.0%
Santa Barbara	0	1,369	0.0%
Santa Clara	0	113	0.0%
Santa Cruz	0	531	0.0%
Shasta	0	3,147	0.0%
Sierra	0	7	0.0%
Siskiyou	98	486	20.1%
Solano	0	1,879	0.0%
Sonoma	0	7,669	0.0%
Stanislaus	336	336	100.0%
Sutter	0	0	0.0%
Tehama	0	505	0.0%
Trinity	0	1,048	0.0%
Tulare	0	225	0.0%
Tuolumne	0	12	0.0%
Ventura	141	4,079	3.5%
Yolo	0	13	3.5%
Yuba	0	0	0.0%
Total	3,084	89,233	3.5%

Risk Analysis Results for Levee Failure

Risk Analysis Results – Deep Levee Failure – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	0	83,922	0.0%
Alpine	0	50,861	0.0%
Amador	0	97,686	0.0%
Butte	0	88,320	0.0%
Calaveras	0	124,320	0.0%
Colusa	13,091	39,975	32.7%
Contra Costa	0	28,731	0.0%
Del Norte	0	10,802	0.0%
El Dorado	0	184,442	0.0%
Fresno	12	51,792	0.0%
Glenn	0	2,085	0.0%
Humboldt	0	78,482	0.0%
Imperial	0	710,020	0.0%
Inyo	0	246,441	0.0%
Kern	0	1,014,386	0.0%
Kings	0	8,907	0.0%
Lake	0	82,544	0.0%
Lassen	0	180,689	0.0%
Los Angeles	0	911,564	0.0%
Madera	448	41,190	1.1%
Marin	0	24,696	0.0%
Mariposa	0	228,533	0.0%
Mendocino	0	855,474	0.0%
Merced	3	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	0	130,547	0.0%
Monterey	0	92,667	0.0%
Napa	0	169,772	0.0%
Nevada	0	146,358	0.0%

Risk Analysis Results – Deep Levee Failure – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	0	151,777	0.0%
Placer	0	122,653	0.0%
Plumas	0	60,257	0.0%
Riverside	0	1,065,179	0.0%
Sacramento	18,992	75,501	25.2%
San Benito	0	8,877	0.0%
San Bernardino	0	1,734,287	0.0%
San Diego	0	522,630	0.0%
San Francisco	0	4,245	0.0%
San Joaquin	5,603	28,214	19.9%
San Luis Obispo	0	733,458	0.0%
San Mateo	0	32,801	0.0%
Santa Barbara	0	28,657	0.0%
Santa Clara	0	43,054	0.0%
Santa Cruz	0	40,770	0.0%
Shasta	0	381,315	0.0%
Sierra	0	35,361	0.0%
Siskiyou	0	508,754	0.0%
Solano	11,361	55,831	20.3%
Sonoma	0	57,738	0.0%
Stanislaus	106	14,179	0.7%
Sutter	1,090	2,369	46.0%
Tehama	0	84,053	0.0%
Trinity	0	116,464	0.0%
Tulare	0	6,847	0.0%
Tuolumne	0	70,255	0.0%
Ventura	0	31,804	0.0%
Yolo	2,708	40,856	6.6%
Yuba	1,947	30,685	6.3%

Risk Analysis Results – Deep Levee Failure – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	55,363	11,788,962	0.5%

Risk Analysis Results – Deep Levee Failure – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	0	0	0	0	0	0	0
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	0	0	0	0	0	0	0
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	0	0	0	0	0	0	0
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0
Imperial	0	0	0	0	0	0	0	0
Inyo	0	0	0	0	0	0	0	0
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	0	0	0	0	0	0	0	0
Madera	0	1	0	0	0	0	0	1
Marin	0	0	0	0	0	0	0	0
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Deep Levee Failure – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	0	0	0	0	0	0
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	0	0	0	0	0	0
Sacramento	3	0	0	1	0	1	1	6
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	0	0	0	0
San Diego	0	0	0	0	0	0	0	0
San Francisco	0	0	0	0	0	0	0	0
San Joaquin	0	0	1	2	0	0	2	5
San Luis Obispo	0	0	0	0	0	0	0	0
San Mateo	0	0	0	0	0	0	0	0
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	0	0	0	0	0	0	0	0
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	0	0
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	1	0	0	0	0	1
Sutter	0	1	0	0	0	0	0	1
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	0	0	0	0	0	0	0
Yolo	0	0	0	1	0	0	1	2

Risk Analysis Results – Deep Levee Failure – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	3	2	2	4	0	1	4	16

Risk Analysis Results – Deep Levee Failure – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	-	-	-	-	-	-
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	-	-	-	-	-	-
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-
Imperial	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-
Kern	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	-	-	-	-	-	-	-
Madera	-	$100.0 Million to $500.0 Million	-	-	-	-	-
Marin	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-

Risk Analysis Results – Deep Levee Failure – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	-	-	-	-	-	-
Sacramento	$1.1 Billion to Greater Than $1.6 Billion	-	-	$10.0 Million to $100.0 Million	-	$100.0 Million to $500.0 Million	$10.0 Million to $100.0 Million
San Benito	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-
San Diego	-	-	-	-	-	-	-
San Francisco	-	-	-	-	-	-	-
San Joaquin	-	-	$500.0 Million to $1.0 Billion	$200.0 Million to $1.0 Billion	-	-	$1.0 Billion to Greater Than $1.1 Billion
San Luis Obispo	-	-	-	-	-	-	-
San Mateo	-	-	-	-	-	-	-
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	-	-	-	-	-	-	-
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	$10.0 Million to $100.0 Million	-	-	-	-
Sutter	-	$100.0 Million to $500.0 Million	-	-	-	-	-

Risk Analysis Results – Deep Levee Failure – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	-	-	-	-	-	-
Yolo	-	-	-	$10.0 Million to $100.0 Million	-	-	$100.0 Million to $500.0 Million
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – Deep Levee Failure – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	0	0	0.0%
Alpine	0	0	0.0%
Amador	0	0	0.0%
Butte	0	0	0.0%
Calaveras	0	0	0.0%
Colusa	3	466	0.7%
Contra Costa	0	0	0.0%
Del Norte	0	0	0.0%
El Dorado	0	0	0.0%
Fresno	1	1	100.0%
Glenn	0	0	0.0%
Humboldt	0	0	0.0%
Imperial	0	0	0.0%
Inyo	0	0	0.0%
Kern	0	0	0.0%
Kings	0	0	0.0%
Lake	0	0	0.0%
Lassen	0	0	0.0%
Los Angeles	0	0	0.0%
Madera	310	310	100.0%
Marin	0	0	0.0%
Mariposa	0	0	0.0%
Mendocino	0	0	0.0%
Merced	52	629	8.3%
Modoc	0	0	0.0%
Mono	0	0	0.0%
Monterey	0	0	0.0%
Napa	0	0	0.0%
Nevada	0	0	0.0%
Orange	0	0	0.0%

Risk Analysis Results – Deep Levee Failure – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	0	0.0%
Plumas	0	0	0.0%
Riverside	0	0	0.0%
Sacramento	99,349	309,861	32.1%
San Benito	0	0	0.0%
San Bernardino	0	0	0.0%
San Diego	0	0	0.0%
San Francisco	0	0	0.0%
San Joaquin	44,891	140,699	31.9%
San Luis Obispo	0	0	0.0%
San Mateo	0	0	0.0%
Santa Barbara	0	0	0.0%
Santa Clara	0	0	0.0%
Santa Cruz	0	0	0.0%
Shasta	0	0	0.0%
Sierra	0	0	0.0%
Siskiyou	0	0	0.0%
Solano	0	402	0.0%
Sonoma	0	0	0.0%
Stanislaus	177	541	32.8%
Sutter	197	10,508	1.9%
Tehama	0	0	0.0%
Trinity	0	0	0.0%
Tulare	0	0	0.0%
Tuolumne	0	0	0.0%
Ventura	0	0	0.0%
Yolo	25,582	56,724	45.1%
Yuba	15,803	27,989	56.5%
Total	186,366	548,130	34.0%

Risk Analysis Results – Deep Levee Failure – State Bridges by County

County	# of Bridges
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	2
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	0
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	2
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – Deep Levee Failure – State Bridges by County

County	# of Bridges
Placer	0
Plumas	0
Riverside	0
Sacramento	89
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	66
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	13
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	28
Yuba	10
Total	210

Risk Analysis Results – Deep Levee Failure – State Dams by County

County	Number of State-Owned Dams
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	0
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – Deep Levee Failure – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	0

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	82	884450	$47,371,469	$47,371,469	$94,742,939
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	14	41544	$3,983,931	$3,983,931	$7,967,862
CA Dept of Food and Agriculture	0	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	0	0	$0	$0	$0
CA Dept of General Services	114	11366077	$923,982,530	$931,224,602	$1,855,207,132
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	1	81500	$8,146,732	$4,544,727	$12,691,459
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	0	0	$0	$0	$0
CA Dept of Parks and Recreation	23	116046	$19,346,465	$19,346,465	$38,692,929
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	31	133870	$46,793,783	$46,793,783	$93,587,566
CA Dept of Veterans Affairs	1	132780	$8,048,967	$8,048,967	$16,097,934
CA Dept of Water Resources	0	0	$0	$0	$0
CA Employment Development Department	0	0	$0	$0	$0
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	1	17000	$2,082,310	$2,082,310	$4,164,620
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	47	1156350	$399,139,462	$383,882,594	$783,022,056
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	3	6387	$16,935,265	$20,509,058	$37,444,324
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	3	238087	$37,579,915	$37,579,915	$75,159,831
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	2	13915	$3,464,641	$3,464,641	$6,929,283
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	1	237000	$100,716,549	$100,716,549	$201,433,099
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	0	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	1	21200	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	0	0	$0	$0	$0
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	1	291072	$90,112,905	$123,946,098	$214,059,003
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	0	$0	$0	$0
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	325	14737278	$1,707,704,925	$1,733,495,110	$3,441,200,035

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	5	$25,720,024	$25,720,024	$51,440,049
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	1	$8,545,399	$12,818,099	$21,363,498
CA Dept of Aging	1	$304,150	$152,075	$456,224
CA Dept of Alcoholic Beverage Control	3	$20,991,711	$20,991,711	$41,983,423
CA Dept of Cannabis Control	2	$11,575,598	$11,575,598	$23,151,196
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	1	$3,989,743	$3,989,743	$7,979,485
CA Dept of Conservation	1	$8,300,725	$8,300,725	$16,601,451
CA Dept of Consumer Affairs	21	$195,265,589	$223,220,635	$418,486,223
CA Dept of Corrections and Rehabilitation	3	$25,584,212	$25,584,212	$51,168,424
CA Dept of Developmental Services	1	$3,076,046	$3,076,046	$6,152,092
CA Dept of Education	3	$21,062,210	$21,062,210	$42,124,420
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	2	$10,061,691	$10,061,691	$20,123,382
CA Dept of Fish and Wildlife	21	$130,540,288	$133,770,121	$264,310,409
CA Dept of Food and Agriculture	16	$50,160,452	$53,397,043	$103,557,495

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	6	$27,013,827	$28,498,459	$55,512,285
CA Dept of General Services	12	$181,013,767	$194,855,765	$375,869,532
CA Dept of Health Care Access and Information	2	$17,050,084	$21,727,344	$38,777,427
CA Dept of Health Care Services	4	$13,939,821	$16,593,109	$30,532,930
CA Dept of Housing & Community Development	1	$7,695,564	$7,695,564	$15,391,128
CA Dept of Human Resources	1	$15,260,354	$15,260,354	$30,520,708
CA Dept of Industrial Relations	6	$32,047,929	$32,047,929	$64,095,858
CA Dept of Insurance	5	$49,092,477	$49,715,819	$98,808,296
CA Dept of Justice	3	$17,649,566	$17,649,566	$35,299,132
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	4	$35,929,515	$35,929,515	$71,859,031
CA Dept of Parks and Recreation	1	$9,051,370	$9,051,370	$18,102,740
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	13	$76,388,548	$76,713,732	$153,102,280
CA Dept of Real Estate	1	$4,562,468	$4,562,468	$9,124,936
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	3	$38,503,414	$38,503,414	$77,006,829
CA Dept of Social Services	9	$70,714,427	$73,367,714	$144,082,141
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	4	$34,034,190	$34,034,190	$68,068,380
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	9	$41,547,734	$33,370,027	$74,917,761
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	6	$26,133,474	$27,336,049	$53,469,523

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	4	$9,769,673	$9,769,673	$19,539,346
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	2	$7,559,730	$7,559,730	$15,119,460
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	1	$3,317,820	$3,317,820	$6,635,641
CA Office of Administrative Law	1	$18,452,265	$18,452,265	$36,904,529
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	5	$31,126,211	$31,126,211	$62,252,421
CA Office of Tax Appeals	3	$148,242,735	$148,242,735	$296,485,470
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	2	$26,859,849	$26,859,849	$53,719,699
California Agricultural Labor Relations Board	1	$28,515,302	$28,515,302	$57,030,603
California Arts Council	1	$3,551,663	$3,551,663	$7,103,325
California Board of State and Community Corrections	1	$2,750,277	$2,750,277	$5,500,553
California Children and Families Commission	1	$3,989,743	$3,989,743	$7,979,485
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	1	$1,280,128	$1,280,128	$2,560,257
California Commission on Teacher Credentialing	1	$6,293,415	$6,293,415	$12,586,829
California Commission on the Status of Women and Girls	1	$12,179,499	$12,179,499	$24,358,999
California Community Colleges Board of Governors	1	$27,224,918	$27,224,918	$54,449,835
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	1	$28,396,102	$28,396,102	$56,792,204

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	1	$9,354,520	$14,031,779	$23,386,299
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	1	$27,224,918	$27,224,918	$54,449,835
California Gambling Control Commission	2	$7,917,273	$7,917,273	$15,834,545
California Government Operation Agency	1	$49,414,245	$49,414,245	$98,828,490
California Health and Human Services Agency	1	$12,179,499	$12,179,499	$24,358,999
California Health Benefit Exchange	2	$34,164,754	$45,566,119	$79,730,872
California High-Speed Rail Authority	6	$170,376,613	$170,376,613	$340,753,225
California Highway Patrol	9	$52,223,569	$63,868,810	$116,092,380
California Horse Racing Board	1	$8,143,542	$8,143,542	$16,287,084
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	2	$32,573,769	$32,573,769	$65,147,537
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	1	$28,396,102	$28,396,102	$56,792,204
California Prison Industry Authority	1	$3,786,976	$5,680,464	$9,467,440
California Public Employment Relations Board	1	$4,020,193	$4,020,193	$8,040,386
California Public Utilities Commission	7	$108,703,970	$108,703,970	$217,407,940
California State Board of Equalization	4	$59,459,588	$59,459,588	$118,919,176
California State Independent Living Council	1	$5,094,778	$5,094,778	$10,189,556

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	1	$5,582,055	$5,582,055	$11,164,110
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	1	$4,851,530	$4,851,530	$9,703,059
California State Water Resources Control Board	1	$4,860,547	$4,860,547	$9,721,094
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	1	$49,414,245	$49,414,245	$98,828,490
Cannabis Control Appeals Panel	1	$49,414,245	$49,414,245	$98,828,490
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	1	$4,312,511	$4,312,511	$8,625,023
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	1	$12,712,930	$12,712,930	$25,425,861
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	1	$12,519,849	$12,519,849	$25,039,697
Milton Marks (Little Hoover) Commission	1	$12,179,499	$12,179,499	$24,358,999
Sacramento-San Joaquin Delta Conservancy	1	$3,600,158	$3,600,158	$7,200,315
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	249	$2,344,797,573	$2,432,240,880	$4,777,038,453

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	5	$25,720,024	$25,720,024	$51,440,049
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	1	$8,545,399	$12,818,099	$21,363,498
CA Dept of Aging	1	$304,150	$152,075	$456,224
CA Dept of Alcoholic Beverage Control	3	$20,991,711	$20,991,711	$41,983,423
CA Dept of Cannabis Control	2	$11,575,598	$11,575,598	$23,151,196
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	1	$3,989,743	$3,989,743	$7,979,485
CA Dept of Conservation	1	$8,300,725	$8,300,725	$16,601,451
CA Dept of Consumer Affairs	21	$195,265,589	$223,220,635	$418,486,223
CA Dept of Corrections and Rehabilitation	85	$72,955,681	$72,955,681	$145,911,362

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	1	$3,076,046	$3,076,046	$6,152,092
CA Dept of Education	3	$21,062,210	$21,062,210	$42,124,420
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	2	$10,061,691	$10,061,691	$20,123,382
CA Dept of Fish and Wildlife	35	$134,524,219	$137,754,051	$272,278,271
CA Dept of Food and Agriculture	16	$50,160,452	$53,397,043	$103,557,495
CA Dept of Forestry and Fire Protection	6	$27,013,827	$28,498,459	$55,512,285
CA Dept of General Services	126	$1,104,996,296	$1,126,080,367	$2,231,076,664
CA Dept of Health Care Access and Information	2	$17,050,084	$21,727,344	$38,777,427
CA Dept of Health Care Services	4	$13,939,821	$16,593,109	$30,532,930
CA Dept of Housing & Community Development	2	$15,842,296	$12,240,292	$28,082,588
CA Dept of Human Resources	1	$15,260,354	$15,260,354	$30,520,708
CA Dept of Industrial Relations	6	$32,047,929	$32,047,929	$64,095,858
CA Dept of Insurance	5	$49,092,477	$49,715,819	$98,808,296
CA Dept of Justice	3	$17,649,566	$17,649,566	$35,299,132
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	4	$35,929,515	$35,929,515	$71,859,031
CA Dept of Parks and Recreation	24	$28,397,835	$28,397,835	$56,795,669
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	13	$76,388,548	$76,713,732	$153,102,280
CA Dept of Real Estate	1	$4,562,468	$4,562,468	$9,124,936
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	3	$38,503,414	$38,503,414	$77,006,829
CA Dept of Social Services	9	$70,714,427	$73,367,714	$144,082,141
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	4	$34,034,190	$34,034,190	$68,068,380
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	40	$88,341,517	$80,163,810	$168,505,327
CA Dept of Veterans Affairs	1	$8,048,967	$8,048,967	$16,097,934
CA Dept of Water Resources	6	$26,133,474	$27,336,049	$53,469,523
CA Employment Development Department	4	$9,769,673	$9,769,673	$19,539,346
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	2	$7,559,730	$7,559,730	$15,119,460
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	1	$3,317,820	$3,317,820	$6,635,641
CA Office of Administrative Law	1	$18,452,265	$18,452,265	$36,904,529
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	5	$31,126,211	$31,126,211	$62,252,421
CA Office of Tax Appeals	3	$148,242,735	$148,242,735	$296,485,470
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	2	$26,859,849	$26,859,849	$53,719,699
California Agricultural Labor Relations Board	1	$28,515,302	$28,515,302	$57,030,603
California Arts Council	1	$3,551,663	$3,551,663	$7,103,325
California Board of State and Community Corrections	1	$2,750,277	$2,750,277	$5,500,553
California Children and Families Commission	1	$3,989,743	$3,989,743	$7,979,485
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	1	$1,280,128	$1,280,128	$2,560,257

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	1	$6,293,415	$6,293,415	$12,586,829
California Commission on the Status of Women and Girls	1	$12,179,499	$12,179,499	$24,358,999
California Community Colleges Board of Governors	1	$27,224,918	$27,224,918	$54,449,835
California Conservation Corps	1	$2,082,310	$2,082,310	$4,164,620
California Education Audit Appeals Panel	1	$28,396,102	$28,396,102	$56,792,204
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	1	$9,354,520	$14,031,779	$23,386,299
California Exposition and State Fair	47	$399,139,462	$383,882,594	$783,022,056
California Fair Political Practices Commission	1	$27,224,918	$27,224,918	$54,449,835
California Gambling Control Commission	2	$7,917,273	$7,917,273	$15,834,545
California Government Operation Agency	1	$49,414,245	$49,414,245	$98,828,490
California Health and Human Services Agency	1	$12,179,499	$12,179,499	$24,358,999
California Health Benefit Exchange	2	$34,164,754	$45,566,119	$79,730,872
California High-Speed Rail Authority	6	$170,376,613	$170,376,613	$340,753,225
California Highway Patrol	12	$69,158,835	$84,377,869	$153,536,703
California Horse Racing Board	1	$8,143,542	$8,143,542	$16,287,084
California Law Revision Commission	0	$0	$0	$0
California Lottery	3	$37,579,915	$37,579,915	$75,159,831
California Mental Health Services Oversight and Accountability Commission	2	$32,573,769	$32,573,769	$65,147,537
California Military Department	2	$3,464,641	$3,464,641	$6,929,283
California Office of the State Public Defender	1	$28,396,102	$28,396,102	$56,792,204

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	1	$3,786,976	$5,680,464	$9,467,440
California Public Employment Relations Board	1	$4,020,193	$4,020,193	$8,040,386
California Public Utilities Commission	7	$108,703,970	$108,703,970	$217,407,940
California State Board of Equalization	4	$59,459,588	$59,459,588	$118,919,176
California State Independent Living Council	1	$5,094,778	$5,094,778	$10,189,556
California State Lands Commission	1	$5,582,055	$5,582,055	$11,164,110
California State Legislature	1	$100,716,549	$100,716,549	$201,433,099
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	1	$4,851,530	$4,851,530	$9,703,059
California State Water Resources Control Board	1	$4,860,547	$4,860,547	$9,721,094
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	1	$49,414,245	$49,414,245	$98,828,490
Cannabis Control Appeals Panel	1	$49,414,245	$49,414,245	$98,828,490
Central Valley Flood Protection Board	1	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	1	$4,312,511	$4,312,511	$8,625,023
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	1	$12,712,930	$12,712,930	$25,425,861
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	2	$102,632,754	$136,465,947	$239,098,700
Milton Marks (Little Hoover) Commission	1	$12,179,499	$12,179,499	$24,358,999
Sacramento-San Joaquin Delta Conservancy	1	$3,600,158	$3,600,158	$7,200,315
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	574	$4,052,502,497	$4,165,735,990	$8,218,238,488

Risk Analysis Results – Deep Levee Failure – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	0	$0	$0	$0
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	0	0	$0	$0	$0
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	0	0	$0	$0	$0
Del Norte	0	0	$0	$0	$0
El Dorado	0	0	$0	$0	$0
Fresno	0	0	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	0	0	$0	$0	$0
Imperial	0	0	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	0	0	$0	$0	$0
Lassen	0	0	$0	$0	$0
Los Angeles	0	0	$0	$0	$0
Madera	0	0	$0	$0	$0
Marin	0	0	$0	$0	$0
Mariposa	0	0	$0	$0	$0
Mendocino	0	0	$0	$0	$0
Merced	0	0	$0	$0	$0
Modoc	0	0	$0	$0	$0
Mono	0	0	$0	$0	$0
Monterey	0	0	$0	$0	$0
Napa	0	0	$0	$0	$0
Nevada	0	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	0	0	$0	$0	$0
Placer	0	0	$0	$0	$0
Plumas	0	0	$0	$0	$0
Riverside	0	0	$0	$0	$0
Sacramento	209	13385895	$1,609,500,921	$1,635,319,318	$3,244,820,239
San Benito	0	0	$0	$0	$0
San Bernardino	0	0	$0	$0	$0
San Diego	0	0	$0	$0	$0
San Francisco	0	0	$0	$0	$0
San Joaquin	83	965950	$55,518,201	$51,916,197	$107,434,398
San Luis Obispo	0	0	$0	$0	$0
San Mateo	0	0	$0	$0	$0
Santa Barbara	0	0	$0	$0	$0
Santa Clara	0	0	$0	$0	$0
Santa Cruz	0	0	$0	$0	$0
Shasta	0	0	$0	$0	$0
Sierra	0	0	$0	$0	$0
Siskiyou	0	0	$0	$0	$0
Solano	0	0	$0	$0	$0
Sonoma	0	0	$0	$0	$0
Stanislaus	0	0	$0	$0	$0
Sutter	1	21200	$0	$0	$0
Tehama	0	0	$0	$0	$0
Trinity	0	0	$0	$0	$0
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	0	0	$0	$0	$0
Yolo	18	121529	$30,136,048	$33,709,841	$63,845,889
Yuba	14	242704	$12,549,755	$12,549,755	$25,099,509

Risk Analysis Results – Deep Levee Failure – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	325	14737278	$1,707,704,925	$1,733,495,110	$3,441,200,035

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	1	$0	$0	$0
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	206	$2,106,611,560	$2,168,990,552	$4,275,602,112
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	8	$14,296,613	$14,296,613	$28,593,226
San Luis Obispo	0	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	0	$0	$0	$0
Yolo	35	$280,597,580	$305,661,896	$586,259,477
Yuba	2	$3,335,004	$3,335,004	$6,670,008
Total	252	$2,404,840,757	$2,492,284,065	$4,897,124,822

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	1	$0	$0	$0
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	415	$3,716,112,481	$3,804,309,870	$7,520,422,351
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	91	$69,814,814	$66,212,810	$136,027,624
San Luis Obispo	0	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0

Risk Analysis Results – Deep Levee Failure – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	1	$0	$0	$0
Tehama	0	$0	$0	$0
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	0	$0	$0	$0
Yolo	53	$310,733,628	$339,371,737	$650,105,365
Yuba	16	$15,884,759	$15,884,759	$31,769,517
Total	577	$4,112,545,682	$4,225,779,175	$8,338,324,857

Risk Analysis Results – Deep Levee Failure – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	82	884450	47371469.34	47371469.34	$94,742,939
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	1	81500	8146731.945	4544727.327	$12,691,459
Special School	0	0	$0	$0	$0
Other Facility	242	13771328	1652186723	1681578914	$3,333,765,637
Total	325	14737278	$1,707,704,925	$1,733,495,110	$3,441,200,035

Risk Analysis Results – Deep Levee Failure – State Highways by County

County	Miles of Highway
Alameda	0.0
Alpine	0.0
Amador	0.0
Butte	0.0
Calaveras	0.0
Colusa	25.8
Contra Costa	0.0
Del Norte	0.0
El Dorado	0.0
Fresno	0.0
Glenn	0.0
Humboldt	0.0
Imperial	0.0
Inyo	0.0
Kern	0.0
Kings	0.0
Lake	0.0
Lassen	0.0
Los Angeles	0.0
Madera	0.0
Marin	0.0
Mariposa	0.0
Mendocino	0.0
Merced	12.3
Modoc	0.0
Mono	0.0
Monterey	0.0
Napa	0.0
Nevada	0.0
Orange	0.0

Risk Analysis Results – Deep Levee Failure – State Highways by County

County	Miles of Highway
Placer	0.0
Plumas	0.0
Riverside	0.0
Sacramento	154.4
San Benito	0.0
San Bernardino	0.0
San Diego	0.0
San Francisco	0.0
San Joaquin	56.8
San Luis Obispo	0.0
San Mateo	0.0
Santa Barbara	0.0
Santa Clara	0.0
Santa Cruz	0.0
Shasta	0.0
Sierra	0.0
Siskiyou	0.0
Solano	15.9
Sonoma	0.0
Stanislaus	4.6
Sutter	114.1
Tehama	0.0
Trinity	0.0
Tulare	0.0
Tuolumne	0.0
Ventura	0.0
Yolo	78.2
Yuba	36.8
Total	498.7

Risk Analysis Results – Deep Levee Failure – State Water Project by Branch

County	Number of State-Owned Dams
California Aqueduct	0.0
Coastal Branch	0.0
East Branch	0.0
East Branch Extension	0.0
North Bay Aqueduct	0.0
Oroville	0.0
South Bay Aqueduct	0.0
West Branch	0.0
Total	0.0

Risk Analysis Results for 100-Year Riverine Flooding

Risk Analysis Results – 100-Year Riverine Flood – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	14	83,922	0.0%
Alpine	0	50,861	0.0%
Amador	0	97,686	0.0%
Butte	0	88,320	0.0%
Calaveras	0	124,320	0.0%
Colusa	0	39,975	0.0%
Contra Costa	289	28,731	1.0%
Del Norte	172	10,802	1.6%
El Dorado	0	184,442	0.0%
Fresno	0	51,792	0.0%
Glenn	0	2,085	0.0%
Humboldt	1,430	78,482	1.8%
Imperial	0	710,020	0.0%
Inyo	0	246,441	0.0%
Kern	0	1,014,386	0.0%
Kings	0	8,907	0.0%
Lake	0	82,544	0.0%
Lassen	0	180,689	0.0%
Los Angeles	550	911,564	0.1%
Madera	0	41,190	0.0%
Marin	313	24,696	1.3%
Mariposa	0	228,533	0.0%
Mendocino	697	855,474	0.1%
Merced	0	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	0	130,547	0.0%
Monterey	74	92,667	0.1%
Napa	0	169,772	0.0%
Nevada	0	146,358	0.0%

Risk Analysis Results – 100-Year Riverine Flood – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	48	151,777	0.0%
Placer	0	122,653	0.0%
Plumas	0	60,257	0.0%
Riverside	0	1,065,179	0.0%
Sacramento	0	75,501	0.0%
San Benito	0	8,877	0.0%
San Bernardino	0	1,734,287	0.0%
San Diego	227	522,630	0.0%
San Francisco	300	4,245	7.1%
San Joaquin	0	28,214	0.0%
San Luis Obispo	290	733,458	0.0%
San Mateo	620	32,801	1.9%
Santa Barbara	112	28,657	0.4%
Santa Clara	274	43,054	0.6%
Santa Cruz	130	40,770	0.3%
Shasta	0	381,315	0.0%
Sierra	0	35,361	0.0%
Siskiyou	0	508,754	0.0%
Solano	18	55,831	0.0%
Sonoma	171	57,738	0.3%
Stanislaus	0	14,179	0.0%
Sutter	0	2,369	0.0%
Tehama	0	84,053	0.0%
Trinity	0	116,464	0.0%
Tulare	0	6,847	0.0%
Tuolumne	0	70,255	0.0%
Ventura	43	31,804	0.1%
Yolo	0	40,856	0.0%
Yuba	0	30,685	0.0%

Risk Analysis Results – 100-Year Riverine Flood – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	5,773	11,788,962	0.0%

Risk Analysis Results – 100-Year Riverine Flood – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	0	2	0	0	0	1	3
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	1	0	0	0	1
Calaveras	0	0	1	0	0	0	0	1
Colusa	0	0	0	1	0	0	0	1
Contra Costa	0	1	2	0	0	0	0	3
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	1	0	2	0	0	0	3
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0
Imperial	0	0	1	0	0	0	0	1
Inyo	0	1	4	0	0	0	0	5
Kern	0	4	0	1	0	0	0	5
Kings	0	0	2	0	0	0	0	2
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	1	0	2	0	0	0	1	4
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	1	0	1	2
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	1	0	0	0	0	1
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – 100-Year Riverine Flood – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	2	0	0	0	0	2
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	1	3	0	0	0	0	4
Sacramento	2	0	1	1	0	0	2	6
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	2	0	0	0	0	2
San Diego	0	0	0	0	0	0	3	3
San Francisco	0	0	0	0	0	0	0	0
San Joaquin	0	1	1	0	0	0	0	2
San Luis Obispo	0	0	0	0	0	1	0	1
San Mateo	0	0	0	0	0	0	2	2
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	1	1	2	0	0	0	0	4
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	2	2
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	2	0	0	0	0	2
Sutter	0	1	0	0	0	0	0	1
Tehama	0	0	1	0	0	0	0	1
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	0	0	0	0	0	0	0
Yolo	0	0	0	1	0	0	0	1

Risk Analysis Results – 100-Year Riverine Flood – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	4	11	29	7	1	1	12	65

Risk Analysis Results – 100-Year Riverine Flood – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	-	\$1.0 Billion to Greater Than \$1.1 Billion	-	-	-	\$1.0 Billion to Greater Than \$1.0 Billion
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	\$100.0 Million to \$500.0 Million	-	-	-
Calaveras	-	-	\$100.0 Million to \$500.0 Million	-	-	-	-
Colusa	-	-	-	\$100.0 Million to \$500.0 Million	-	-	-
Contra Costa	-	\$100.0 Million to \$500.0 Million	\$200.0 Million to \$1.0 Billion	-	-	-	-
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	\$100.0 Million to \$500.0 Million	-	\$20.0 Million to \$200.0 Million	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-
Imperial	-	-	\$100.0 Million to \$500.0 Million	-	-	-	-
Inyo	-	\$100.0 Million to \$500.0 Million	\$2.0 Billion to Greater Than \$3.0 Billion	-	-	-	-
Kern	-	\$3.5 Billion to Greater Than	-	\$10.0 Million to \$100.0 Million	-	-	-

Risk Analysis Results – 100-Year Riverine Flood – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
		\$4.0 Billion					
Kings	-	-	\$510.0 Million to \$1.1 Billion	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	\$1.0 Billion to Greater Than \$1.0 Billion	-	\$20.0 Million to \$200.0 Million	-	-	-	\$10.0 Million to \$100.0 Million
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	\$10.0 Million to \$100.0 Million	-	\$10.0 Million to \$100.0 Million
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	\$500.0 Million to \$1.0 Billion	-	-	-	-
Monterey	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	-	\$510.0 Million to \$1.1 Billion	-	-	-	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	\$1.0 Billion to Greater Than \$1.0 Billion	\$30.0 Million to \$300.0 Million	-	-	-	-
Sacramento	\$1.0 Billion to Greater Than \$1.1 Billion	-	\$500.0 Million to \$1.0 Billion	\$10.0 Million to \$100.0 Million	-	-	\$510.0 Million to \$1.1 Billion

Risk Analysis Results – 100-Year Riverine Flood – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
San Benito	-	-	-	-	-	-	-
San Bernardino	-	-	\$2.0 Billion to Greater Than \$2.0 Billion	-	-	-	-
San Diego	-	-	-	-	-	-	\$120.0 Million to \$700.0 Million
San Francisco	-	-	-	-	-	-	-
San Joaquin	-	\$1.0 Billion to Greater Than \$1.0 Billion	\$10.0 Million to \$100.0 Million	-	-	-	-
San Luis Obispo	-	-	-	-	-	\$10.0 Million to \$100.0 Million	-
San Mateo	-	-	-	-	-	-	\$200.0 Million to \$1.0 Billion
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	\$500.0 Million to \$1.0 Billion	\$100.0 Million to \$500.0 Million	\$110.0 Million to \$600.0 Million	-	-	-	-
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	\$200.0 Million to \$1.0 Billion
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	\$20.0 Million to \$200.0 Million	-	-	-	-
Sutter	-	\$100.0 Million to \$500.0 Million	-	-	-	-	-

Risk Analysis Results – 100-Year Riverine Flood – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Tehama	-	-	\$100.0 Million to \$500.0 Million	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	-	-	-	-	-	-
Yolo	-	-	-	\$10.0 Million to \$100.0 Million	-	-	-
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – 100-Year Riverine Flood – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	3,250	33,023	9.8%
Alpine	0	0	0.0%
Amador	0	1,192	0.0%
Butte	3,240	14,655	22.1%
Calaveras	0	1,289	0.0%
Colusa	1,982	3,768	52.6%
Contra Costa	7,922	38,419	20.6%
Del Norte	554	2,543	21.8%
El Dorado	1,331	4,176	31.9%
Fresno	14,525	21,110	68.8%
Glenn	2,174	3,550	61.3%
Humboldt	447	15,429	2.9%
Imperial	1,479	1,733	85.3%
Inyo	65	878	7.4%
Kern	47,490	61,255	77.5%
Kings	8,851	14,484	61.1%
Lake	2,417	8,076	29.9%
Lassen	277	6,727	4.1%
Los Angeles	20,470	56,337	36.3%
Madera	6,026	15,747	38.3%
Marin	12,264	30,802	39.8%
Mariposa	0	254	0.0%
Mendocino	4,183	5,874	71.2%
Merced	51,462	64,519	79.8%
Modoc	262	970	27.0%
Mono	0	784	0.0%
Monterey	9,221	14,784	62.4%
Napa	1,288	8,825	14.6%
Nevada	92	1,596	5.8%
Orange	50,173	106,319	47.2%

Risk Analysis Results – 100-Year Riverine Flood – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	76	9,913	0.8%
Plumas	0	1,625	0.0%
Riverside	31,595	61,720	51.2%
Sacramento	19,067	159,176	12.0%
San Benito	563	2,790	20.2%
San Bernardino	16,095	37,705	42.7%
San Diego	19,821	57,141	34.7%
San Francisco	1	1,054	0.0%
San Joaquin	8,278	52,127	15.9%
San Luis Obispo	0	12,895	0.0%
San Mateo	7,604	40,343	18.8%
Santa Barbara	3,528	16,613	21.2%
Santa Clara	16,904	120,355	14.0%
Santa Cruz	10,605	21,341	49.7%
Shasta	2,291	10,729	21.4%
Sierra	0	135	0.0%
Siskiyou	819	2,484	33.0%
Solano	7,272	22,146	32.8%
Sonoma	2,648	16,670	15.9%
Stanislaus	7,979	14,803	53.9%
Sutter	10	8,311	0.1%
Tehama	6,029	8,016	75.2%
Trinity	0	734	0.0%
Tulare	50,900	69,927	72.8%
Tuolumne	0	237	0.0%
Ventura	9,347	29,880	31.3%
Yolo	6,790	25,112	27.0%
Yuba	6,381	11,266	56.6%
Total	486,048	1,354,364	35.9%

Risk Analysis Results – 100-Year Riverine Flood – State Bridges by County

County	# of Bridges
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	6
Glenn	0
Humboldt	0
Imperial	20
Inyo	16
Kern	0
Kings	0
Lake	5
Lassen	1
Los Angeles	0
Madera	4
Marin	0
Mariposa	19
Mendocino	0
Merced	0
Modoc	1
Mono	31
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – 100-Year Riverine Flood – State Bridges by County

County	# of Bridges
Placer	0
Plumas	4
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	12
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	97
Sierra	0
Siskiyou	125
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	17
Trinity	22
Tulare	0
Tuolumne	4
Ventura	0
Yolo	0
Yuba	0
Total	384

Risk Analysis Results – 100-Year Riverine Flood – State Dams by County

County	Number of State-Owned Dams
Alameda	0
Alpine	0
Amador	1
Butte	2
Calaveras	0
Colusa	0
Contra Costa	1
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	1
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – 100-Year Riverine Flood – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	1
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	1
Yuba	0
Total	7

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	266	3405313	$107,785,327	$107,785,327	$215,570,654
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	283	417170	$19,925,734	$18,987,881	$38,913,615
CA Dept of Food and Agriculture	4	14300	$0	$0	$0
CA Dept of Forestry and Fire Protection	64	102964	$30,896,957	$19,499,648	$50,396,606
CA Dept of General Services	0	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	5	329500	$555,472,024	$280,239,085	$835,711,109
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	6	47897	$8,831,731	$9,872,196	$18,703,927
CA Dept of Parks and Recreation	576	459700	$42,864,306	$40,496,399	$83,360,705
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	151	256350	$24,816,221	$27,023,000	$51,839,221
CA Dept of Veterans Affairs	0	0	$0	$0	$0
CA Dept of Water Resources	1	336	$0	$0	$0
CA Employment Development Department	2	43223	$3,193,644	$3,193,644	$6,387,288
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	5	27560	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	7	24392	$8,272,922	$11,990,170	$20,263,091
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	2	19531	$2,698,206	$2,698,206	$5,396,411
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	4	52308	$4,135,110	$4,414,272	$8,549,382

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	257	1594905	$456,067,081	$453,355,393	$909,422,474
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	3	65977	$12,232,514	$8,134,160	$20,366,674
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	6	6684	$57,781	$28,891	$86,672
Santa Monica Mountains Conservancy	0	0	$0	$0	$0
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	1642	6868110	$1,277,249,558	$987,718,271	$2,264,967,829

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	2	$1,532,419	$1,047,488	$2,579,906
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	1	$304,150	$152,075	$456,224
CA Dept of Alcoholic Beverage Control	3	$20,991,711	$20,991,711	$41,983,423
CA Dept of Cannabis Control	2	$11,575,598	$11,575,598	$23,151,196
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	1	$3,989,743	$3,989,743	$7,979,485
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	19	$172,745,371	$200,700,417	$373,445,788
CA Dept of Corrections and Rehabilitation	2	$3,145,392	$3,145,392	$6,290,784
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	2	$9,259,750	$9,259,750	$18,519,499
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	1	$4,572,721	$4,572,721	$9,145,441
CA Dept of Fish and Wildlife	35	$56,022,528	$56,792,213	$112,814,741
CA Dept of Food and Agriculture	15	$48,314,591	$51,551,182	$99,865,773

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	3	$580,106	$580,106	$1,160,213
CA Dept of General Services	4	$44,008,088	$44,008,088	$88,016,175
CA Dept of Health Care Access and Information	2	$17,050,084	$21,727,344	$38,777,427
CA Dept of Health Care Services	1	$5,306,574	$7,959,862	$13,266,436
CA Dept of Housing & Community Development	1	$7,695,564	$7,695,564	$15,391,128
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	5	$30,380,427	$30,380,427	$60,760,855
CA Dept of Insurance	1	$10,078,019	$10,078,019	$20,156,038
CA Dept of Justice	2	$15,027,921	$15,027,921	$30,055,842
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	6	$60,290,956	$48,258,030	$108,548,987
CA Dept of Parks and Recreation	4	$4,160,874	$4,160,874	$8,321,748
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	7	$48,117,341	$42,191,028	$90,308,369
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	3	$3,260,943	$3,260,943	$6,521,886
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	7	$51,548,420	$54,201,707	$105,750,127
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	1	$9,527,449	$9,527,449	$19,054,898
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	7	$20,103,182	$19,871,834	$39,975,016
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	5	$17,342,331	$18,544,906	$35,887,236

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	4	$15,832,702	$15,832,702	$31,665,405
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	2	$2,055,099	$2,055,099	$4,110,199
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	5	$31,126,211	$31,126,211	$62,252,421
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	1	$3,551,663	$3,551,663	$7,103,325
California Board of State and Community Corrections	1	$2,750,277	$2,750,277	$5,500,553
California Children and Families Commission	1	$3,989,743	$3,989,743	$7,979,485
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	2	$1,773,589	$886,794	$2,660,383
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	3	$2,690,432	$3,835,280	$6,525,713
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	1	$9,354,520	$14,031,779	$23,386,299
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	2	$7,917,273	$7,917,273	$15,834,545
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	1	$261,276	$391,914	$653,190
California Horse Racing Board	1	$8,143,542	$8,143,542	$16,287,084
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	1	$1,766,779	$883,389	$2,650,168
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	3	$16,102,604	$16,102,604	$32,205,207
California State Board of Equalization	1	$9,527,449	$9,527,449	$19,054,898
California State Independent Living Council	1	$5,094,778	$5,094,778	$10,189,556

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	8	$13,886,337	$16,921,447	$30,807,784
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	1	$12,519,849	$12,519,849	$25,039,697
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	1	$13,771,849	$13,771,849	$27,543,697
University of California	0	$0	$0	$0
Total	182	$839,048,220	$870,586,030	$1,709,634,251

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	2	$1,532,419	$1,047,488	$2,579,906
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	1	$304,150	$152,075	$456,224
CA Dept of Alcoholic Beverage Control	3	$20,991,711	$20,991,711	$41,983,423
CA Dept of Cannabis Control	2	$11,575,598	$11,575,598	$23,151,196
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	1	$3,989,743	$3,989,743	$7,979,485
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	19	$172,745,371	$200,700,417	$373,445,788
CA Dept of Corrections and Rehabilitation	268	$110,930,719	$110,930,719	$221,861,437

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	2	$9,259,750	$9,259,750	$18,519,499
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	1	$4,572,721	$4,572,721	$9,145,441
CA Dept of Fish and Wildlife	318	$75,948,262	$75,780,094	$151,728,356
CA Dept of Food and Agriculture	19	$48,314,591	$51,551,182	$99,865,773
CA Dept of Forestry and Fire Protection	67	$31,477,064	$20,079,755	$51,556,818
CA Dept of General Services	4	$44,008,088	$44,008,088	$88,016,175
CA Dept of Health Care Access and Information	2	$17,050,084	$21,727,344	$38,777,427
CA Dept of Health Care Services	1	$5,306,574	$7,959,862	$13,266,436
CA Dept of Housing & Community Development	6	$563,167,588	$287,934,649	$851,102,238
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	5	$30,380,427	$30,380,427	$60,760,855
CA Dept of Insurance	1	$10,078,019	$10,078,019	$20,156,038
CA Dept of Justice	2	$15,027,921	$15,027,921	$30,055,842
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	12	$69,122,687	$58,130,227	$127,252,914
CA Dept of Parks and Recreation	580	$47,025,180	$44,657,273	$91,682,453
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	7	$48,117,341	$42,191,028	$90,308,369
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	3	$3,260,943	$3,260,943	$6,521,886
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	7	$51,548,420	$54,201,707	$105,750,127
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	1	$9,527,449	$9,527,449	$19,054,898
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	158	$44,919,403	$46,894,834	$91,814,237
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	6	$17,342,331	$18,544,906	$35,887,236
CA Employment Development Department	6	$19,026,346	$19,026,346	$38,052,692
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	2	$2,055,099	$2,055,099	$4,110,199
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	5	$31,126,211	$31,126,211	$62,252,421
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	1	$3,551,663	$3,551,663	$7,103,325
California Board of State and Community Corrections	1	$2,750,277	$2,750,277	$5,500,553
California Children and Families Commission	1	$3,989,743	$3,989,743	$7,979,485
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	2	$1,773,589	$886,794	$2,660,383

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	8	$2,690,432	$3,835,280	$6,525,713
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	1	$9,354,520	$14,031,779	$23,386,299
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	2	$7,917,273	$7,917,273	$15,834,545
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	8	$8,534,198	$12,382,084	$20,916,282
California Horse Racing Board	1	$8,143,542	$8,143,542	$16,287,084
California Law Revision Commission	0	$0	$0	$0
California Lottery	2	$2,698,206	$2,698,206	$5,396,411
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	1	$1,766,779	$883,389	$2,650,168
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	3	$16,102,604	$16,102,604	$32,205,207
California State Board of Equalization	1	$9,527,449	$9,527,449	$19,054,898
California State Independent Living Council	1	$5,094,778	$5,094,778	$10,189,556
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	12	$18,021,447	$21,335,719	$39,357,166
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	257	$456,067,081	$453,355,393	$909,422,474
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	4	$24,752,363	$20,654,009	$45,406,372
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	6	$57,781	$28,891	$86,672
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	1	$13,771,849	$13,771,849	$27,543,697
University of California	0	$0	$0	$0
Total	1824	$2,116,297,778	$1,858,304,301	$3,974,602,079

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	0	$0	$0	$0
Alpine	0	0	$0	$0	$0
Amador	7	5817	$0	$0	$0
Butte	28	22129	$326,859	$242,218	$569,077
Calaveras	0	0	$0	$0	$0
Colusa	8	3923	$0	$0	$0
Contra Costa	38	146623	$7,988,373	$7,988,373	$15,976,747
Del Norte	0	0	$0	$0	$0
El Dorado	5	4730	$6,111,651	$6,111,651	$12,223,303
Fresno	44	46704	$57,781	$28,891	$86,672
Glenn	2	2328	$0	$0	$0
Humboldt	117	169423	$11,061,634	$10,456,592	$21,518,226
Imperial	25	6242	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	29	38149	$3,872,610	$3,455,274	$7,327,884
Kings	125	1674340	$0	$0	$0
Lake	62	128587	$7,012,958	$6,925,165	$13,938,123
Lassen	26	39150	$0	$0	$0
Los Angeles	33	178853	$6,895,501	$6,895,501	$13,791,002
Madera	64	851623	$60,610,454	$60,512,156	$121,122,610
Marin	6	15336	$2,980,524	$4,128,241	$7,108,765
Mariposa	0	0	$0	$0	$0
Mendocino	116	76597	$4,895,305	$4,398,197	$9,293,502
Merced	42	133547	$42,238,733	$33,752,239	$75,990,972
Modoc	1	7800	$1,359,664	$679,832	$2,039,496
Mono	0	0	$0	$0	$0
Monterey	21	21402	$5,547,700	$3,585,008	$9,132,708
Napa	21	111348	$313,560	$275,441	$589,001
Nevada	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	2	240	$0	$0	$0
Placer	0	0	$0	$0	$0
Plumas	1	3080	$0	$0	$0
Riverside	6	5268	$26,153,622	$15,201,762	$41,355,385
Sacramento	38	82445	$12,898,931	$12,839,020	$25,737,950
San Benito	0	0	$0	$0	$0
San Bernardino	0	0	$0	$0	$0
San Diego	230	932027	$417,590,442	$414,541,880	$832,132,322
San Francisco	0	0	$0	$0	$0
San Joaquin	96	898039	$50,623,066	$51,448,924	$102,071,989
San Luis Obispo	67	229907	$15,395,391	$18,297,083	$33,692,474
San Mateo	8	34431	$8,773,132	$12,127,569	$20,900,701
Santa Barbara	2	3002	$2,613,493	$3,920,239	$6,533,731
Santa Clara	6	124815	$510,452,855	$255,226,428	$765,679,283
Santa Cruz	45	139545	$11,076,358	$7,657,836	$18,734,194
Shasta	8	9280	$134,656	$67,328	$201,984
Sierra	8	13234	$1,505,601	$1,505,601	$3,011,201
Siskiyou	88	302959	$11,993,343	$12,613,393	$24,606,736
Solano	37	98429	$20,580,491	$11,681,608	$32,262,098
Sonoma	4	1935	$0	$0	$0
Stanislaus	0	0	$0	$0	$0
Sutter	2	240	$0	$0	$0
Tehama	30	32563	$330,605	$272,008	$602,612
Trinity	11	12076	$414,589	$414,589	$829,179
Tulare	82	53004	$4,334,225	$4,334,225	$8,668,449
Tuolumne	0	0	$0	$0	$0
Ventura	41	49008	$3,129,531	$2,869,135	$5,998,666
Yolo	10	157932	$17,975,917	$13,264,868	$31,240,785
Yuba	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	1642	6868110	$1,277,249,558	$987,718,271	$2,264,967,829

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	1	$2,129,327	$2,129,327	$4,258,653
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	3	$2,743,248	$2,743,248	$5,486,496
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	6	$6,056,677	$7,773,949	$13,830,625
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	1	$969,862	$484,931	$1,454,793
Kings	0	$0	$0	$0
Lake	3	$25,147,531	$13,880,096	$39,027,627
Lassen	2	$15,413,410	$15,413,410	$30,826,821
Los Angeles	2	$462,695	$231,348	$694,043
Madera	0	$0	$0	$0
Marin	3	$7,924,208	$7,924,208	$15,848,415
Mariposa	0	$0	$0	$0
Mendocino	3	$6,793,483	$6,793,483	$13,586,967

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	1	$1,022,148	$1,022,148	$2,044,296
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	5	$7,082,704	$6,562,735	$13,645,438
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	1	$0	$0	$0
Riverside	1	$413,538	$413,538	$827,075
Sacramento	107	$697,977,528	$738,875,313	$1,436,852,841
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	6	$5,057,973	$4,900,857	$9,958,830
San Francisco	0	$0	$0	$0
San Joaquin	5	$16,642,507	$17,625,376	$34,267,884
San Luis Obispo	5	$3,041,164	$2,646,055	$5,687,219
San Mateo	1	$4,539,509	$4,539,509	$9,079,018
Santa Barbara	1	$1,352,489	$1,352,489	$2,704,978
Santa Clara	5	$14,699,288	$18,150,593	$32,849,881
Santa Cruz	2	$1,773,589	$886,794	$2,660,383
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	2	$359,661	$539,492	$899,153
Solano	2	$1,766,779	$883,389	$2,650,168
Sonoma	2	$2,935,909	$2,935,909	$5,871,818
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	4	$3,618,415	$3,618,415	$7,236,831

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	4	$6,792,133	$6,792,133	$13,584,267
Tuolumne	0	$0	$0	$0
Ventura	2	$2,133,107	$1,367,615	$3,500,721
Yolo	1	$199,341	$99,671	$299,012
Yuba	1	$0	$0	$0
Total	182	$839,048,220	$870,586,030	$1,709,634,251

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	1	$2,129,327	$2,129,327	$4,258,653
Alpine	0	$0	$0	$0
Amador	7	$0	$0	$0
Butte	28	$326,859	$242,218	$569,077
Calaveras	0	$0	$0	$0
Colusa	8	$0	$0	$0
Contra Costa	41	$10,731,621	$10,731,621	$21,463,243
Del Norte	0	$0	$0	$0
El Dorado	5	$6,111,651	$6,111,651	$12,223,303
Fresno	44	$57,781	$28,891	$86,672
Glenn	2	$0	$0	$0
Humboldt	123	$17,118,311	$18,230,541	$35,348,852
Imperial	25	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	30	$4,842,472	$3,940,205	$8,782,677
Kings	125	$0	$0	$0
Lake	65	$32,160,489	$20,805,261	$52,965,750

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	28	$15,413,410	$15,413,410	$30,826,821
Los Angeles	35	$7,358,196	$7,126,849	$14,485,045
Madera	64	$60,610,454	$60,512,156	$121,122,610
Marin	9	$10,904,732	$12,052,448	$22,957,180
Mariposa	0	$0	$0	$0
Mendocino	119	$11,688,789	$11,191,680	$22,880,469
Merced	43	$43,260,881	$34,774,387	$78,035,268
Modoc	1	$1,359,664	$679,832	$2,039,496
Mono	0	$0	$0	$0
Monterey	26	$12,630,404	$10,147,742	$22,778,146
Napa	21	$313,560	$275,441	$589,001
Nevada	0	$0	$0	$0
Orange	2	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	2	$0	$0	$0
Riverside	7	$26,567,160	$15,615,300	$42,182,460
Sacramento	145	$710,876,458	$751,714,333	$1,462,590,791
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	236	$422,648,415	$419,442,737	$842,091,152
San Francisco	0	$0	$0	$0
San Joaquin	101	$67,265,573	$69,074,300	$136,339,873
San Luis Obispo	72	$18,436,554	$20,943,139	$39,379,693
San Mateo	9	$13,312,641	$16,667,078	$29,979,719
Santa Barbara	3	$3,965,981	$5,272,728	$9,238,709
Santa Clara	11	$525,152,143	$273,377,020	$798,529,164
Santa Cruz	47	$12,849,947	$8,544,630	$21,394,577
Shasta	8	$134,656	$67,328	$201,984
Sierra	8	$1,505,601	$1,505,601	$3,011,201

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	90	$12,353,004	$13,152,885	$25,505,889
Solano	39	$22,347,269	$12,564,997	$34,912,266
Sonoma	6	$2,935,909	$2,935,909	$5,871,818
Stanislaus	0	$0	$0	$0
Sutter	2	$0	$0	$0
Tehama	34	$3,949,020	$3,890,423	$7,839,443
Trinity	11	$414,589	$414,589	$829,179
Tulare	86	$11,126,358	$11,126,358	$22,252,716
Tuolumne	0	$0	$0	$0
Ventura	43	$5,262,638	$4,236,749	$9,499,387
Yolo	11	$18,175,258	$13,364,539	$31,539,797
Yuba	1	$0	$0	$0
Total	1824	$2,116,297,778	$1,858,304,301	$3,974,602,079

Risk Analysis Results – 100-Year Riverine Flood – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	266	3405313	$107,785,327	$107,785,327	$215,570,654
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	5	329500	$555,472,024	$280,239,085	$835,711,109
Special School	0	0	$0	$0	$0
Other Facility	1371	3133297	$613,992,207	$599,693,859	$1,213,686,066
Total	1642	6868110	$1,277,249,558	$987,718,271	$2,264,967,829

Risk Analysis Results – 100-Year Riverine Flood – State Highways by County

County	Miles of Highway
Alameda	22.4
Alpine	0.0
Amador	5.9
Butte	41.1
Calaveras	2.2
Colusa	37.8
Contra Costa	6.8
Del Norte	15.5
El Dorado	2.1
Fresno	114.1
Glenn	74.3
Humboldt	104.3
Imperial	34.7
Inyo	51.8
Kern	196.4
Kings	70.5
Lake	11.3
Lassen	86.3
Los Angeles	34.0
Madera	18.5
Marin	20.9
Mariposa	16.0
Mendocino	72.4
Merced	145.7
Modoc	19.3
Mono	23.6
Monterey	35.9
Napa	18.8
Nevada	2.4
Orange	25.4

Risk Analysis Results – 100-Year Riverine Flood – State Highways by County

County	Miles of Highway
Placer	8.8
Plumas	19.3
Riverside	64.3
Sacramento	193.7
San Benito	12.7
San Bernardino	49.2
San Diego	44.5
San Francisco	0.8
San Joaquin	75.8
San Luis Obispo	60.0
San Mateo	26.5
Santa Barbara	38.1
Santa Clara	51.9
Santa Cruz	17.7
Shasta	16.5
Sierra	11.4
Siskiyou	71.8
Solano	84.7
Sonoma	28.1
Stanislaus	34.1
Sutter	80.2
Tehama	17.0
Trinity	14.0
Tulare	94.8
Tuolumne	1.5
Ventura	31.7
Yolo	135.4
Yuba	32.1
Total	2,627.0

Risk Analysis Results – 100-Year Riverine Flood – State Water Project by Branch

County	Number of State-Owned Dams
California Aqueduct	41.6
Coastal Branch	7.8
East Branch	8.4
East Branch Extension	5.3
North Bay Aqueduct	4.8
Oroville	3.5
South Bay Aqueduct	0.9
West Branch	2.0
Total	74.4

Risk Analysis Results for 500-Year Riverine Flooding

Risk Analysis Results – 500-Year Riverine Flood – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	3,544	83,922	4.2%
Alpine	0	50,861	0.0%
Amador	6,775	97,686	6.9%
Butte	5,263	88,320	6.0%
Calaveras	3,862	124,320	3.1%
Colusa	27,225	39,975	68.1%
Contra Costa	5,400	28,731	18.8%
Del Norte	3,779	10,802	35.0%
El Dorado	3,431	184,442	1.9%
Fresno	7,407	51,792	14.3%
Glenn	940	2,085	45.1%
Humboldt	16,433	78,482	20.9%
Imperial	39,356	710,020	5.5%
Inyo	43,150	246,441	17.5%
Kern	145,323	1,014,386	14.3%
Kings	1,902	8,907	21.4%
Lake	4,164	82,544	5.0%
Lassen	60,801	180,689	33.6%
Los Angeles	130,690	911,564	14.3%
Madera	3,416	41,190	8.3%
Marin	2,902	24,696	11.7%
Mariposa	6,109	228,533	2.7%
Mendocino	11,526	855,474	1.3%
Merced	2,183	12,030	18.1%
Modoc	1,237	2,853	43.4%
Mono	15,753	130,547	12.1%
Monterey	1,975	92,667	2.1%
Napa	2,465	169,772	1.5%
Nevada	2,550	146,358	1.7%

Risk Analysis Results – 500-Year Riverine Flood – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	10,832	151,777	7.1%
Placer	6,876	122,653	5.6%
Plumas	7,335	60,257	12.2%
Riverside	102,164	1,065,179	9.6%
Sacramento	32,799	75,501	43.4%
San Benito	349	8,877	3.9%
San Bernardino	82,646	1,734,287	4.8%
San Diego	39,832	522,630	7.6%
San Francisco	338	4,245	8.0%
San Joaquin	8,483	28,214	30.1%
San Luis Obispo	34,316	733,458	4.7%
San Mateo	3,096	32,801	9.4%
Santa Barbara	1,905	28,657	6.6%
Santa Clara	6,793	43,054	15.8%
Santa Cruz	1,178	40,770	2.9%
Shasta	10,505	381,315	2.8%
Sierra	1,598	35,361	4.5%
Siskiyou	29,538	508,754	5.8%
Solano	27,826	55,831	49.8%
Sonoma	2,794	57,738	4.8%
Stanislaus	2,354	14,179	16.6%
Sutter	377	2,369	15.9%
Tehama	4,463	84,053	5.3%
Trinity	2,286	116,464	2.0%
Tulare	1,096	6,847	16.0%
Tuolumne	1,583	70,255	2.3%
Ventura	5,500	31,804	17.3%
Yolo	6,725	40,856	16.5%
Yuba	2,792	30,685	9.1%

Risk Analysis Results – 500-Year Riverine Flood – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	997,939	11,788,962	8.5%

Risk Analysis Results – 500-Year Riverine Flood – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	0	2	0	0	0	3	5
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	1	0	1	0	0	0	2
Calaveras	0	0	1	0	0	0	0	1
Colusa	0	1	0	3	0	0	0	4
Contra Costa	0	2	2	0	0	0	0	4
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	1	3	4	0	2	0	10
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0
Imperial	0	0	2	0	0	0	0	2
Inyo	0	1	4	0	0	0	0	5
Kern	0	5	0	1	0	0	0	6
Kings	0	0	2	0	0	0	0	2
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	1	2	3	0	1	0	1	8
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	1	0	1	2
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	1	0	0	0	0	1
Monterey	0	0	1	0	0	1	0	2
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – 500-Year Riverine Flood – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	1	3	1	1	0	1	7
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	1	4	0	0	0	0	5
Sacramento	2	0	1	2	0	0	3	8
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	2	6	0	0	0	3	11
San Diego	0	1	1	0	0	0	5	7
San Francisco	0	0	0	0	0	0	0	0
San Joaquin	0	1	2	0	0	1	1	5
San Luis Obispo	0	0	0	0	0	1	0	1
San Mateo	0	0	0	0	0	1	2	3
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	6	3	2	0	1	0	0	12
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	2	2
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	1	0	0	0	1	0	2
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	2	0	0	0	0	2
Sutter	0	1	0	0	0	0	0	1
Tehama	0	0	1	0	0	0	0	1
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	1	1	0	0	0	1	3
Yolo	0	0	0	1	0	0	0	1

Risk Analysis Results – 500-Year Riverine Flood – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	9	25	44	13	4	7	23	125

Risk Analysis Results – 500-Year Riverine Flood – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	-	$1.0 Billion to Greater Than $1.1 Billion	-	-	-	$2.0 Billion to Greater Than $2.1 Billion
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	$1.0 Billion to Greater Than $1.0 Billion	-	$100.0 Million to $500.0 Million	-	-	-
Calaveras	-	-	$100.0 Million to $500.0 Million	-	-	-	-
Colusa	-	$100.0 Million to $500.0 Million	-	$210.0 Million to $1.1 Billion	-	-	-
Contra Costa	-	$200.0 Million to $1.0 Billion	$200.0 Million to $1.0 Billion	-	-	-	-
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	$100.0 Million to $500.0 Million	$700.0 Million to $2.0 Billion	$220.0 Million to $1.2 Billion	-	$10.0 Million to $110.0 Million	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-

Risk Analysis Results – 500-Year Riverine Flood – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Imperial	-	-	$110.0 Million to $600.0 Million	-	-	-	-
Inyo	-	$100.0 Million to $500.0 Million	$2.0 Billion to Greater Than $3.0 Billion	-	-	-	-
Kern	-	$3.6 Billion to Greater Than $4.5 Billion	-	$10.0 Million to $100.0 Million	-	-	-
Kings	-	-	$510.0 Million to $1.1 Billion	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	$1.0 Billion to Greater Than $1.0 Billion	$1.5 Billion to Greater Than $2.0 Billion	$30.0 Million to $300.0 Million	-	$1.0 Billion to Greater Than $1.0 Billion	-	$10.0 Million to $100.0 Million
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	$10.0 Million to $100.0 Million	-	$10.0 Million to $100.0 Million
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-

Risk Analysis Results – 500-Year Riverine Flood – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Modoc	-	-	-	-	-	-	-
Mono	-	-	$500.0 Million to $1.0 Billion	-	-	-	-
Monterey	-	-	$500.0 Million to $1.0 Billion	-	-	$10.0 Million to $100.0 Million	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	$100.0 Million to $500.0 Million	$1.0 Billion to $2.1 Billion	$100.0 Million to $500.0 Million	$10.0 Million to $100.0 Million	-	$10.0 Million to $100.0 Million
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	$1.0 Billion to Greater Than $1.0 Billion	$30.0 Million to $310.0 Million	-	-	-	-
Sacramento	$1.0 Billion to Greater Than $1.1 Billion	-	$500.0 Million to $1.0 Billion	$110.0 Million to $600.0 Million	-	-	$610.0 Million to $1.6 Billion
San Benito	-	-	-	-	-	-	-
San Bernardino	-	$200.0 Million to $1.0 Billion	$2.6 Billion to Greater Than $3.7 Billion	-	-	-	$120.0 Million to $700.0 Million

Risk Analysis Results – 500-Year Riverine Flood – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
San Diego	-	$10.0 Million to $100.0 Million	$10.0 Million to $100.0 Million	-	-	-	$1.1 Billion to $2.7 Billion
San Francisco	-	-	-	-	-	-	-
San Joaquin	-	$1.0 Billion to Greater Than $1.0 Billion	$510.0 Million to $1.1 Billion	-	-	$100.0 Million to $500.0 Million	$10.0 Million to $100.0 Million
San Luis Obispo	-	-	-	-	-	$10.0 Million to $100.0 Million	-
San Mateo	-	-	-	-	-	$100.0 Million to $500.0 Million	$200.0 Million to $1.0 Billion
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	$910.0 Million to $3.1 Billion	$210.0 Million to $1.1 Billion	$110.0 Million to $600.0 Million	-	$1.0 Billion to Greater Than $1.0 Billion	-	-
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	$200.0 Million to $1.0 Billion
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	$100.0 Million to $500.0 Million	-	-	-	$0 to $10.0 Million	-
Sonoma	-	-	-	-	-	-	-

Risk Analysis Results – 500-Year Riverine Flood – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Stanislaus	-	-	$20.0 Million to $200.0 Million	-	-	-	-
Sutter	-	$100.0 Million to $500.0 Million	-	-	-	-	-
Tehama	-	-	$100.0 Million to $500.0 Million	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	$100.0 Million to $500.0 Million	$10.0 Million to $100.0 Million	-	-	-	$1.0 Billion to Greater Than $1.0 Billion
Yolo	-	-	-	$10.0 Million to $100.0 Million	-	-	-
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – 500-Year Riverine Flood – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	33,786	148,289	22.8%
Alpine	0	0	0.0%
Amador	0	1,313	0.0%
Butte	11,473	57,550	19.9%
Calaveras	0	1,929	0.0%
Colusa	5,782	10,680	54.1%
Contra Costa	16,373	69,259	23.6%
Del Norte	554	2,737	20.2%
El Dorado	1,477	4,604	32.1%
Fresno	185,350	248,406	74.6%
Glenn	6,755	8,333	81.1%
Humboldt	568	15,984	3.6%
Imperial	3,235	3,502	92.4%
Inyo	134	1,148	11.6%
Kern	78,834	112,313	70.2%
Kings	9,206	16,523	55.7%
Lake	2,698	8,965	30.1%
Lassen	277	6,812	4.1%
Los Angeles	206,713	432,305	47.8%
Madera	18,098	28,039	64.5%
Marin	12,783	46,830	27.3%
Mariposa	0	254	0.0%
Mendocino	5,424	7,255	74.8%
Merced	56,736	72,675	78.1%
Modoc	303	1,014	29.9%
Mono	0	1,203	0.0%
Monterey	113,941	207,696	54.9%
Napa	1,763	13,400	13.2%
Nevada	137	1,690	8.1%
Orange	509,272	1,014,292	50.2%

Risk Analysis Results – 500-Year Riverine Flood – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	151	10,523	1.4%
Plumas	0	2,216	0.0%
Riverside	104,720	228,991	45.7%
Sacramento	108,168	315,752	34.3%
San Benito	563	3,155	17.8%
San Bernardino	112,601	213,248	52.8%
San Diego	81,811	167,671	48.8%
San Francisco	6	6,866	0.1%
San Joaquin	88,574	224,196	39.5%
San Luis Obispo	0	37,248	0.0%
San Mateo	14,023	91,950	15.3%
Santa Barbara	25,197	52,724	47.8%
Santa Clara	33,569	635,469	5.3%
Santa Cruz	13,897	25,777	53.9%
Shasta	4,131	25,727	16.1%
Sierra	0	135	0.0%
Siskiyou	874	2,996	29.2%
Solano	16,154	74,356	21.7%
Sonoma	4,056	28,031	14.5%
Stanislaus	20,354	41,079	49.5%
Sutter	12	13,366	0.1%
Tehama	8,587	10,711	80.2%
Trinity	0	799	0.0%
Tulare	147,094	244,105	60.3%
Tuolumne	0	237	0.0%
Ventura	67,367	179,181	37.6%
Yolo	13,546	35,281	38.4%
Yuba	6,381	12,539	50.9%
Total	2,153,508	5,229,330	41.2%

Risk Analysis Results – 500-Year Riverine Flood – State Bridges by County

County	# of Bridges
Alameda	74
Alpine	0
Amador	9
Butte	64
Calaveras	4
Colusa	34
Contra Costa	27
Del Norte	15
El Dorado	9
Fresno	133
Glenn	38
Humboldt	60
Imperial	109
Inyo	5
Kern	97
Kings	15
Lake	13
Lassen	23
Los Angeles	98
Madera	26
Marin	35
Mariposa	18
Mendocino	68
Merced	65
Modoc	17
Mono	8
Monterey	67
Napa	15
Nevada	11
Orange	221

Risk Analysis Results – 500-Year Riverine Flood – State Bridges by County

County	# of Bridges
Placer	27
Plumas	8
Riverside	113
Sacramento	106
San Benito	15
San Bernardino	129
San Diego	136
San Francisco	3
San Joaquin	78
San Luis Obispo	91
San Mateo	58
Santa Barbara	80
Santa Clara	241
Santa Cruz	31
Shasta	31
Sierra	7
Siskiyou	47
Solano	40
Sonoma	27
Stanislaus	14
Sutter	17
Tehama	61
Trinity	13
Tulare	90
Tuolumne	2
Ventura	53
Yolo	51
Yuba	12
Total	2959

Risk Analysis Results – 500-Year Riverine Flood – State Dams by County

County	Number of State-Owned Dams
Alameda	0
Alpine	0
Amador	1
Butte	2
Calaveras	0
Colusa	0
Contra Costa	1
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	1
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – 500-Year Riverine Flood – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	1
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	1
Yuba	0
Total	7

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	308	3720744	$141,535,881	$134,076,508	$275,612,389
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	337	491420	$21,109,932	$19,933,652	$41,043,584
CA Dept of Food and Agriculture	5	24226	$1,692,663	$1,692,663	$3,385,325
CA Dept of Forestry and Fire Protection	127	299343	$62,558,979	$54,906,920	$117,465,899
CA Dept of General Services	15	1705451	$143,334,282	$151,243,466	$294,577,748
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	9	512233	$569,777,234	$290,194,941	$859,972,175
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	20	202274	$35,609,434	$36,177,473	$71,786,907
CA Dept of Parks and Recreation	664	608458	$45,364,093	$42,843,909	$88,208,002
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	342	532487	$44,792,483	$50,606,445	$95,398,929
CA Dept of Veterans Affairs	9	341126	$76,284,358	$75,386,516	$151,670,874
CA Dept of Water Resources	1	336	$0	$0	$0
CA Employment Development Department	6	106583	$13,702,427	$13,282,143	$26,984,570
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	15	76666	$3,412,783	$3,412,783	$6,825,567
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	1	8949	$1,208,407	$1,208,407	$2,416,814
California Highway Patrol	20	72890	$21,725,829	$31,062,019	$52,787,848
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	4	93365	$10,006,879	$10,006,879	$20,013,758
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	5	49500	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	147	4107598	$327,355,789	$379,901,830	$707,257,619

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	393	3072269	$587,309,770	$583,561,313	$1,170,871,083
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	17	1357817	$54,577,840	$48,682,942	$103,260,782
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	6	6684	$57,781	$28,891	$86,672
Santa Monica Mountains Conservancy	0	0	$0	$0	$0
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	2451	17390419	$2,161,416,844	$1,928,209,700	$4,089,626,545

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	11	$38,104,246	$38,422,743	$76,526,989
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	1	$304,150	$152,075	$456,224
CA Dept of Alcoholic Beverage Control	4	$24,707,950	$24,707,950	$49,415,900
CA Dept of Cannabis Control	2	$11,575,598	$11,575,598	$23,151,196
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	1	$3,989,743	$3,989,743	$7,979,485
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	21	$195,532,058	$223,487,104	$419,019,162
CA Dept of Corrections and Rehabilitation	16	$190,559,623	$194,815,930	$385,375,553
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	8	$25,428,463	$25,428,463	$50,856,925
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	1	$4,572,721	$4,572,721	$9,145,441
CA Dept of Fish and Wildlife	45	$107,185,838	$107,746,587	$214,932,425
CA Dept of Food and Agriculture	25	$97,665,727	$100,691,524	$198,357,251

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	12	$45,028,533	$45,461,741	$90,490,274
CA Dept of General Services	5	$45,792,649	$45,792,649	$91,585,297
CA Dept of Health Care Access and Information	2	$17,050,084	$21,727,344	$38,777,427
CA Dept of Health Care Services	1	$5,306,574	$7,959,862	$13,266,436
CA Dept of Housing & Community Development	1	$7,695,564	$7,695,564	$15,391,128
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	10	$57,503,793	$55,423,383	$112,927,177
CA Dept of Insurance	2	$12,424,196	$13,597,285	$26,021,481
CA Dept of Justice	3	$17,674,756	$17,674,756	$35,349,512
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	25	$136,115,568	$123,911,842	$260,027,410
CA Dept of Parks and Recreation	5	$4,317,778	$4,317,778	$8,635,555
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	11	$62,232,571	$56,199,166	$118,431,736
CA Dept of Real Estate	1	$738,876	$738,876	$1,477,753
CA Dept of Rehabilitation	13	$38,634,289	$38,634,289	$77,268,578
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	15	$70,202,207	$73,591,622	$143,793,829
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	2	$22,945,908	$22,945,908	$45,891,816
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	1	$2,984,242	$2,984,242	$5,968,483
CA Dept of Transportation	9	$23,072,048	$22,840,700	$45,912,748
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	6	$18,664,705	$20,528,466	$39,193,171

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	20	$189,239,927	$189,239,927	$378,479,854
CA Franchise Tax Board	6	$92,510,397	$92,510,397	$185,020,794
CA Governor's Office of Emergency Services	5	$6,764,492	$6,764,492	$13,528,984
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	5	$31,126,211	$31,126,211	$62,252,421
CA Office of Tax Appeals	1	$15,677,165	$15,677,165	$31,354,330
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	2	$1,214,263	$1,214,263	$2,428,527
California Arts Council	1	$3,551,663	$3,551,663	$7,103,325
California Board of State and Community Corrections	1	$2,750,277	$2,750,277	$5,500,553
California Children and Families Commission	1	$3,989,743	$3,989,743	$7,979,485
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	3	$1,864,534	$932,267	$2,796,802
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	5	$4,972,253	$6,117,101	$11,089,354
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	1	$65,334,862	$65,334,862	$130,669,725
California Energy Commission	1	$9,354,520	$14,031,779	$23,386,299
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	2	$7,917,273	$7,917,273	$15,834,545
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	12	$15,832,781	$15,559,925	$31,392,706
California Horse Racing Board	1	$8,143,542	$8,143,542	$16,287,084
California Law Revision Commission	1	$1,421,468	$1,421,468	$2,842,936
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	2	$2,715,490	$1,832,101	$4,547,590
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	1	$8,131,455	$8,131,455	$16,262,910
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	3	$16,102,604	$16,102,604	$32,205,207
California State Board of Equalization	1	$9,527,449	$9,527,449	$19,054,898
California State Independent Living Council	1	$5,094,778	$5,094,778	$10,189,556

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	11	$14,643,547	$17,300,052	$31,943,599
California State Water Resources Control Board	1	$3,886,777	$5,830,165	$9,716,942
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	2	$14,530,365	$14,530,365	$29,060,730
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	1	$13,771,849	$13,771,849	$27,543,697
University of California	0	$0	$0	$0
Total	352	$1,845,598,009	$1,883,536,951	$3,729,134,960

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	2	$7,517,871	$7,517,871	$15,035,742
CA Air Resources Board	11	$38,104,246	$38,422,743	$76,526,989
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	1	$304,150	$152,075	$456,224
CA Dept of Alcoholic Beverage Control	4	$24,707,950	$24,707,950	$49,415,900
CA Dept of Cannabis Control	2	$11,575,598	$11,575,598	$23,151,196
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	1	$3,989,743	$3,989,743	$7,979,485
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	21	$195,532,058	$223,487,104	$419,019,162
CA Dept of Corrections and Rehabilitation	324	$332,095,504	$328,892,438	$660,987,941

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	8	$25,428,463	$25,428,463	$50,856,925
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	1	$4,572,721	$4,572,721	$9,145,441
CA Dept of Fish and Wildlife	382	$128,295,770	$127,680,238	$255,976,009
CA Dept of Food and Agriculture	30	$99,358,389	$102,384,187	$201,742,576
CA Dept of Forestry and Fire Protection	139	$107,587,513	$100,368,660	$207,956,173
CA Dept of General Services	20	$189,126,930	$197,036,115	$386,163,045
CA Dept of Health Care Access and Information	2	$17,050,084	$21,727,344	$38,777,427
CA Dept of Health Care Services	1	$5,306,574	$7,959,862	$13,266,436
CA Dept of Housing & Community Development	10	$577,472,798	$297,890,506	$875,363,304
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	10	$57,503,793	$55,423,383	$112,927,177
CA Dept of Insurance	2	$12,424,196	$13,597,285	$26,021,481
CA Dept of Justice	3	$17,674,756	$17,674,756	$35,349,512
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	45	$171,725,002	$160,089,315	$331,814,317
CA Dept of Parks and Recreation	669	$49,681,871	$47,161,687	$96,843,558
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	11	$62,232,571	$56,199,166	$118,431,736
CA Dept of Real Estate	1	$738,876	$738,876	$1,477,753
CA Dept of Rehabilitation	13	$38,634,289	$38,634,289	$77,268,578
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	15	$70,202,207	$73,591,622	$143,793,829
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	2	$22,945,908	$22,945,908	$45,891,816
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	1	$2,984,242	$2,984,242	$5,968,483
CA Dept of Transportation	351	$67,864,531	$73,447,146	$141,311,677
CA Dept of Veterans Affairs	9	$76,284,358	$75,386,516	$151,670,874
CA Dept of Water Resources	7	$18,664,705	$20,528,466	$39,193,171
CA Employment Development Department	26	$202,942,354	$202,522,070	$405,464,425
CA Franchise Tax Board	6	$92,510,397	$92,510,397	$185,020,794
CA Governor's Office of Emergency Services	5	$6,764,492	$6,764,492	$13,528,984
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	5	$31,126,211	$31,126,211	$62,252,421
CA Office of Tax Appeals	1	$15,677,165	$15,677,165	$31,354,330
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	2	$1,214,263	$1,214,263	$2,428,527
California Arts Council	1	$3,551,663	$3,551,663	$7,103,325
California Board of State and Community Corrections	1	$2,750,277	$2,750,277	$5,500,553
California Children and Families Commission	1	$3,989,743	$3,989,743	$7,979,485
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	3	$1,864,534	$932,267	$2,796,802

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	20	$8,385,036	$9,529,884	$17,914,921
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	1	$65,334,862	$65,334,862	$130,669,725
California Energy Commission	1	$9,354,520	$14,031,779	$23,386,299
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	2	$7,917,273	$7,917,273	$15,834,545
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	1	$1,208,407	$1,208,407	$2,416,814
California Highway Patrol	32	$37,558,610	$46,621,944	$84,180,554
California Horse Racing Board	1	$8,143,542	$8,143,542	$16,287,084
California Law Revision Commission	1	$1,421,468	$1,421,468	$2,842,936
California Lottery	4	$10,006,879	$10,006,879	$20,013,758
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	7	$2,715,490	$1,832,101	$4,547,590
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	1	$8,131,455	$8,131,455	$16,262,910
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	3	$16,102,604	$16,102,604	$32,205,207
California State Board of Equalization	1	$9,527,449	$9,527,449	$19,054,898
California State Independent Living Council	1	$5,094,778	$5,094,778	$10,189,556
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	158	$341,999,336	$397,201,882	$739,201,218
California State Water Resources Control Board	1	$3,886,777	$5,830,165	$9,716,942
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	393	$587,309,770	$583,561,313	$1,170,871,083
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	19	$69,108,205	$63,213,306	$132,321,512
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	6	$57,781	$28,891	$86,672
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	1	$13,771,849	$13,771,849	$27,543,697
University of California	0	$0	$0	$0
Total	2803	$4,007,014,854	$3,811,746,651	$7,818,761,505

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	0	$0	$0	$0
Alpine	0	0	$0	$0	$0
Amador	7	5817	$0	$0	$0
Butte	69	69431	$4,323,169	$4,544,492	$8,867,661
Calaveras	0	0	$0	$0	$0
Colusa	40	122602	$3,132,478	$3,132,478	$6,264,955
Contra Costa	40	171281	$12,789,203	$12,789,203	$25,578,405
Del Norte	0	0	$0	$0	$0
El Dorado	5	4730	$6,111,651	$6,111,651	$12,223,303
Fresno	240	3741337	$248,892,018	$228,705,733	$477,597,751
Glenn	6	6762	$6,266,599	$9,399,899	$15,666,499
Humboldt	134	194922	$14,358,705	$13,753,663	$28,112,368
Imperial	26	8342	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	33	116837	$11,610,994	$7,324,466	$18,935,461
Kings	126	1679660	$0	$0	$0
Lake	62	128587	$7,012,958	$6,925,165	$13,938,123
Lassen	27	81470	$0	$0	$0
Los Angeles	41	726978	$28,157,207	$26,720,106	$54,877,312
Madera	64	851623	$60,610,454	$60,512,156	$121,122,610
Marin	7	22230	$5,188,853	$6,336,570	$11,525,423
Mariposa	0	0	$0	$0	$0
Mendocino	116	76597	$4,895,305	$4,398,197	$9,293,502
Merced	42	133547	$42,238,733	$33,752,239	$75,990,972
Modoc	1	7800	$1,359,664	$679,832	$2,039,496
Mono	0	0	$0	$0	$0
Monterey	53	109941	$15,299,405	$14,145,345	$29,444,750
Napa	22	158644	$6,247,011	$6,208,891	$12,455,902
Nevada	0	0	$0	$0	$0

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	52	1249803	$73,013,075	$81,648,540	$154,661,615
Placer	0	0	$0	$0	$0
Plumas	1	3080	$0	$0	$0
Riverside	18	93459	$30,184,851	$20,214,207	$50,399,058
Sacramento	50	1620072	$126,321,552	$127,403,862	$253,725,414
San Benito	0	0	$0	$0	$0
San Bernardino	12	92127	$8,200,043	$8,200,043	$16,400,085
San Diego	230	932027	$417,590,442	$414,541,880	$832,132,322
San Francisco	19	67233	$304,556	$152,278	$456,834
San Joaquin	151	1399287	$114,581,805	$115,407,663	$229,989,469
San Luis Obispo	101	544495	$22,809,780	$25,605,267	$48,415,047
San Mateo	8	34431	$8,773,132	$12,127,569	$20,900,701
Santa Barbara	31	45278	$4,546,454	$6,819,680	$11,366,134
Santa Clara	48	280733	$531,969,758	$281,331,216	$813,300,974
Santa Cruz	45	139545	$11,076,358	$7,657,836	$18,734,194
Shasta	25	62825	$134,656	$67,328	$201,984
Sierra	8	13234	$1,505,601	$1,505,601	$3,011,201
Siskiyou	90	307819	$11,993,343	$12,613,393	$24,606,736
Solano	37	98429	$20,580,491	$11,681,608	$32,262,098
Sonoma	7	4335	$0	$0	$0
Stanislaus	3	40436	$3,250,789	$3,250,789	$6,501,577
Sutter	3	67490	$998,330	$998,330	$1,996,659
Tehama	69	242921	$631,415	$572,818	$1,204,233
Trinity	11	12076	$414,589	$414,589	$829,179
Tulare	116	80623	$4,334,225	$4,334,225	$8,668,449
Tuolumne	0	0	$0	$0	$0
Ventura	140	1377195	$271,187,066	$332,411,817	$603,598,883
Yolo	15	162328	$18,520,128	$13,809,078	$32,329,206
Yuba	0	0	$0	$0	$0

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	2451	17390419	$2,161,416,844	$1,928,209,700	$4,089,626,545

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	9	$96,065,243	$95,959,619	$192,024,863
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	5	$5,820,314	$6,333,868	$12,154,182
Calaveras	0	$0	$0	$0
Colusa	2	$10,426,446	$10,426,446	$20,852,893
Contra Costa	4	$8,160,034	$8,160,034	$16,320,068
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	25	$182,223,722	$185,132,706	$367,356,428
Glenn	1	$1,610,028	$1,610,028	$3,220,056
Humboldt	8	$10,347,088	$12,064,359	$22,411,447
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	3	$3,253,532	$2,683,252	$5,936,784
Kings	0	$0	$0	$0
Lake	3	$25,147,531	$13,880,096	$39,027,627
Lassen	2	$15,413,410	$15,413,410	$30,826,821
Los Angeles	16	$140,301,435	$140,458,293	$280,759,728
Madera	0	$0	$0	$0
Marin	4	$8,646,013	$8,646,013	$17,292,025
Mariposa	0	$0	$0	$0
Mendocino	3	$6,793,483	$6,793,483	$13,586,967

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	1	$1,022,148	$1,022,148	$2,044,296
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	13	$22,845,668	$20,245,289	$43,090,957
Napa	1	$6,432,335	$6,432,335	$12,864,669
Nevada	0	$0	$0	$0
Orange	17	$85,512,063	$85,341,263	$170,853,326
Placer	0	$0	$0	$0
Plumas	2	$6,907,929	$6,907,929	$13,815,859
Riverside	3	$4,271,619	$4,271,619	$8,543,239
Sacramento	125	$973,372,476	$1,018,208,683	$1,991,581,159
San Benito	0	$0	$0	$0
San Bernardino	1	$179,493	$179,493	$358,985
San Diego	10	$14,558,629	$14,401,514	$28,960,143
San Francisco	0	$0	$0	$0
San Joaquin	14	$40,653,806	$41,636,676	$82,290,482
San Luis Obispo	8	$6,522,555	$6,408,187	$12,930,742
San Mateo	4	$30,725,968	$30,725,968	$61,451,937
Santa Barbara	4	$5,166,012	$5,166,012	$10,332,024
Santa Clara	20	$64,222,390	$68,846,784	$133,069,174
Santa Cruz	2	$1,773,589	$886,794	$2,660,383
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	4	$2,356,248	$2,536,079	$4,892,327
Solano	3	$3,932,881	$3,049,491	$6,982,372
Sonoma	5	$6,240,260	$6,031,323	$12,271,583
Stanislaus	0	$0	$0	$0
Sutter	1	$1,784,561	$1,784,561	$3,569,122
Tehama	5	$3,828,958	$3,723,687	$7,552,645

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	1	$0	$0	$0
Tulare	12	$31,291,600	$31,291,600	$62,583,199
Tuolumne	0	$0	$0	$0
Ventura	9	$17,589,202	$16,778,237	$34,367,439
Yolo	1	$199,341	$99,671	$299,012
Yuba	1	$0	$0	$0
Total	352	$1,845,598,009	$1,883,536,951	$3,729,134,960

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	9	$96,065,243	$95,959,619	$192,024,863
Alpine	0	$0	$0	$0
Amador	7	$0	$0	$0
Butte	74	$10,143,483	$10,878,360	$21,021,843
Calaveras	0	$0	$0	$0
Colusa	42	$13,558,924	$13,558,924	$27,117,848
Contra Costa	44	$20,949,237	$20,949,237	$41,898,473
Del Norte	0	$0	$0	$0
El Dorado	5	$6,111,651	$6,111,651	$12,223,303
Fresno	265	$431,115,740	$413,838,439	$844,954,178
Glenn	7	$7,876,628	$11,009,927	$18,886,555
Humboldt	142	$24,705,793	$25,818,022	$50,523,815
Imperial	26	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	36	$14,864,527	$10,007,718	$24,872,245
Kings	126	$0	$0	$0
Lake	65	$32,160,489	$20,805,261	$52,965,750

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	29	$15,413,410	$15,413,410	$30,826,821
Los Angeles	57	$168,458,642	$167,178,398	$335,637,040
Madera	64	$60,610,454	$60,512,156	$121,122,610
Marin	11	$13,834,866	$14,982,582	$28,817,448
Mariposa	0	$0	$0	$0
Mendocino	119	$11,688,789	$11,191,680	$22,880,469
Merced	43	$43,260,881	$34,774,387	$78,035,268
Modoc	1	$1,359,664	$679,832	$2,039,496
Mono	0	$0	$0	$0
Monterey	66	$38,145,073	$34,390,634	$72,535,707
Napa	23	$12,679,345	$12,641,226	$25,320,571
Nevada	0	$0	$0	$0
Orange	69	$158,525,138	$166,989,803	$325,514,941
Placer	0	$0	$0	$0
Plumas	3	$6,907,929	$6,907,929	$13,815,859
Riverside	21	$34,456,470	$24,485,826	$58,942,296
Sacramento	175	$1,099,694,027	$1,145,612,545	$2,245,306,572
San Benito	0	$0	$0	$0
San Bernardino	13	$8,379,535	$8,379,535	$16,759,071
San Diego	240	$432,149,071	$428,943,393	$861,092,465
San Francisco	19	$304,556	$152,278	$456,834
San Joaquin	165	$155,235,612	$157,044,339	$312,279,951
San Luis Obispo	109	$29,332,334	$32,013,455	$61,345,789
San Mateo	12	$39,499,100	$42,853,537	$82,352,637
Santa Barbara	35	$9,712,466	$11,985,692	$21,698,158
Santa Clara	68	$596,192,148	$350,178,000	$946,370,148
Santa Cruz	47	$12,849,947	$8,544,630	$21,394,577
Shasta	25	$134,656	$67,328	$201,984
Sierra	8	$1,505,601	$1,505,601	$3,011,201

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	94	$14,349,591	$15,149,472	$29,499,063
Solano	40	$24,513,371	$14,731,099	$39,244,470
Sonoma	12	$6,240,260	$6,031,323	$12,271,583
Stanislaus	3	$3,250,789	$3,250,789	$6,501,577
Sutter	4	$2,782,891	$2,782,891	$5,565,782
Tehama	74	$4,460,373	$4,296,505	$8,756,877
Trinity	12	$414,589	$414,589	$829,179
Tulare	128	$35,625,824	$35,625,824	$71,251,648
Tuolumne	0	$0	$0	$0
Ventura	149	$288,776,268	$349,190,054	$637,966,322
Yolo	16	$18,719,469	$13,908,749	$32,628,218
Yuba	1	$0	$0	$0
Total	2803	$4,007,014,854	$3,811,746,651	$7,818,761,505

Risk Analysis Results – 500-Year Riverine Flood – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	308	3720744	$141,535,881	$134,076,508	$275,612,389
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	9	512233	$569,777,234	$290,194,941	$859,972,175
Special School	0	0	$0	$0	$0
Other Facility	2134	13157442	$1,450,103,729	$1,503,938,251	$2,954,041,981
Total	2451	17390419	$2,161,416,844	$1,928,209,700	$4,089,626,545

Risk Analysis Results – 500-Year Riverine Flood – State Highways by County

County	Miles of Highway
Alameda	46.3
Alpine	0.0
Amador	6.1
Butte	74.6
Calaveras	7.3
Colusa	117.3
Contra Costa	11.5
Del Norte	17.1
El Dorado	4.0
Fresno	156.9
Glenn	79.2
Humboldt	110.3
Imperial	47.4
Inyo	75.2
Kern	256.4
Kings	73.7
Lake	15.5
Lassen	86.8
Los Angeles	74.1
Madera	20.3
Marin	31.7
Mariposa	16.0
Mendocino	76.8
Merced	145.9
Modoc	19.7
Mono	40.9
Monterey	98.7
Napa	24.1
Nevada	3.9
Orange	130.1

Risk Analysis Results – 500-Year Riverine Flood – State Highways by County

County	Miles of Highway
Placer	9.5
Plumas	21.7
Riverside	97.2
Sacramento	206.1
San Benito	12.7
San Bernardino	101.6
San Diego	73.5
San Francisco	1.0
San Joaquin	162.4
San Luis Obispo	81.7
San Mateo	51.5
Santa Barbara	54.4
Santa Clara	175.9
Santa Cruz	20.1
Shasta	27.2
Sierra	11.4
Siskiyou	78.4
Solano	88.1
Sonoma	38.1
Stanislaus	40.5
Sutter	80.7
Tehama	22.9
Trinity	18.4
Tulare	195.2
Tuolumne	1.5
Ventura	84.9
Yolo	140.6
Yuba	36.0
Total	3,801.2

Risk Analysis Results – 500-Year Riverine Flood – State Water Project by Branch

County	Number of State-Owned Dams
California Aqueduct	41.6
Coastal Branch	8.2
East Branch	14.6
East Branch Extension	7.4
North Bay Aqueduct	7.1
Oroville	3.5
South Bay Aqueduct	1.3
West Branch	2.0
Total	85.7

Risk Analysis Results for Coastal Flooding

Risk Analysis Results – 100-Year Coastal Flood – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	14	83,922	0.0%
Alpine	0	50,861	0.0%
Amador	0	97,686	0.0%
Butte	0	88,320	0.0%
Calaveras	0	124,320	0.0%
Colusa	0	39,975	0.0%
Contra Costa	289	28,731	1.0%
Del Norte	172	10,802	1.6%
El Dorado	0	184,442	0.0%
Fresno	0	51,792	0.0%
Glenn	0	2,085	0.0%
Humboldt	1,430	78,482	1.8%
Imperial	0	710,020	0.0%
Inyo	0	246,441	0.0%
Kern	0	1,014,386	0.0%
Kings	0	8,907	0.0%
Lake	0	82,544	0.0%
Lassen	0	180,689	0.0%
Los Angeles	550	911,564	0.1%
Madera	0	41,190	0.0%
Marin	313	24,696	1.3%
Mariposa	0	228,533	0.0%
Mendocino	697	855,474	0.1%
Merced	0	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	0	130,547	0.0%
Monterey	74	92,667	0.1%
Napa	0	169,772	0.0%
Nevada	0	146,358	0.0%

Risk Analysis Results – 100-Year Coastal Flood – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	48	151,777	0.0%
Placer	0	122,653	0.0%
Plumas	0	60,257	0.0%
Riverside	0	1,065,179	0.0%
Sacramento	0	75,501	0.0%
San Benito	0	8,877	0.0%
San Bernardino	0	1,734,287	0.0%
San Diego	227	522,630	0.0%
San Francisco	300	4,245	7.1%
San Joaquin	0	28,214	0.0%
San Luis Obispo	290	733,458	0.0%
San Mateo	620	32,801	1.9%
Santa Barbara	112	28,657	0.4%
Santa Clara	274	43,054	0.6%
Santa Cruz	130	40,770	0.3%
Shasta	0	381,315	0.0%
Sierra	0	35,361	0.0%
Siskiyou	0	508,754	0.0%
Solano	18	55,831	0.0%
Sonoma	171	57,738	0.3%
Stanislaus	0	14,179	0.0%
Sutter	0	2,369	0.0%
Tehama	0	84,053	0.0%
Trinity	0	116,464	0.0%
Tulare	0	6,847	0.0%
Tuolumne	0	70,255	0.0%
Ventura	43	31,804	0.1%
Yolo	0	40,856	0.0%
Yuba	0	30,685	0.0%

Risk Analysis Results – 100-Year Coastal Flood – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	5,773	11,788,962	0.0%

Risk Analysis Results – 100-Year Coastal Flood – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	0	0	0	0	0	0	0
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	0	0	0	0	0	0	0
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	0	0	0	0	0	0	0
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	1	1
Imperial	0	0	0	0	0	0	0	0
Inyo	0	0	0	0	0	0	0	0
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	0	0	0	0	0	0	0	0
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	0	0	0	0
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – 100-Year Coastal Flood – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	0	0	0	0	0	0
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	0	0	0	0	0	0
Sacramento	0	0	0	0	0	0	0	0
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	0	0	0	0
San Diego	0	0	0	0	0	0	1	1
San Francisco	0	0	0	0	0	0	1	1
San Joaquin	0	0	0	0	0	0	0	0
San Luis Obispo	0	0	0	0	0	0	0	0
San Mateo	0	0	0	0	0	0	1	1
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	0	0	0	0	0	0	0	0
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	0	0
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	0	0	0	0	0	0
Sutter	0	0	0	0	0	0	0	0
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	0	0	0	0	0	0	0
Yolo	0	0	0	0	0	0	0	0

Risk Analysis Results – 100-Year Coastal Flood – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	4	4

Risk Analysis Results – 100-Year Coastal Flood – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	-	-	-	-	-	-
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	-	-	-	-	-	-
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	$100.0 Million to $500.0 Million
Imperial	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-
Kern	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	-	-	-	-	-	-	-
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-

Risk Analysis Results – 100-Year Coastal Flood – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Orange	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	-	-	-	-	-	-
Sacramento	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-
San Diego	-	-	-	-	-	-	$100.0 Million to $500.0 Million
San Francisco	-	-	-	-	-	-	$1.0 Billion to Greater Than $1.0 Billion
San Joaquin	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	-	-	-	-
San Mateo	-	-	-	-	-	-	$1.0 Billion to Greater Than $1.0 Billion
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	-	-	-	-	-	-	-
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	-	-	-	-	-
Sutter	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	-	-	-	-	-	-
Yolo	-	-	-	-	-	-	-

Risk Analysis Results – 100-Year Coastal Flood – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – 100-Year Coastal Flood – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	0	556	0.0%
Alpine	0	0	0.0%
Amador	0	0	0.0%
Butte	0	0	0.0%
Calaveras	0	0	0.0%
Colusa	0	0	0.0%
Contra Costa	0	226	0.0%
Del Norte	45	65	69.7%
El Dorado	0	0	0.0%
Fresno	0	0	0.0%
Glenn	0	0	0.0%
Humboldt	0	60	0.0%
Imperial	0	0	0.0%
Inyo	0	0	0.0%
Kern	0	0	0.0%
Kings	0	0	0.0%
Lake	0	0	0.0%
Lassen	0	0	0.0%
Los Angeles	0	700	0.0%
Madera	0	0	0.0%
Marin	0	516	0.0%
Mariposa	0	0	0.0%
Mendocino	47	128	36.4%
Merced	0	0	0.0%
Modoc	0	0	0.0%
Mono	0	0	0.0%
Monterey	5	51	9.2%
Napa	0	0	0.0%
Nevada	0	0	0.0%
Orange	0	731	0.0%

Risk Analysis Results – 100-Year Coastal Flood – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	0	0.0%
Plumas	0	0	0.0%
Riverside	0	0	0.0%
Sacramento	0	0	0.0%
San Benito	0	0	0.0%
San Bernardino	0	0	0.0%
San Diego	0	1,808	0.0%
San Francisco	0	184	0.0%
San Joaquin	0	0	0.0%
San Luis Obispo	0	75	0.0%
San Mateo	0	273	0.0%
Santa Barbara	129	1,012	12.7%
Santa Clara	0	0	0.0%
Santa Cruz	0	591	0.0%
Shasta	0	0	0.0%
Sierra	0	0	0.0%
Siskiyou	0	0	0.0%
Solano	0	234	0.0%
Sonoma	0	135	0.0%
Stanislaus	0	0	0.0%
Sutter	0	0	0.0%
Tehama	0	0	0.0%
Trinity	0	0	0.0%
Tulare	0	0	0.0%
Tuolumne	0	0	0.0%
Ventura	0	215	0.0%
Yolo	0	0	0.0%
Yuba	0	0	0.0%
Total	226	7,559	3.0%

Risk Analysis Results – 100-Year Coastal Flood – State Bridges by County

County	# of Bridges
Alameda	4
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	1
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	0
Madera	0
Marin	0
Mariposa	0
Mendocino	1
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	1

Risk Analysis Results – 100-Year Coastal Flood – State Bridges by County

County	# of Bridges
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	1
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	1
Sonoma	1
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	10

Risk Analysis Results – 100-Year Coastal Flood – State Dams by County

County	Number of State-Owned Dams
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	0
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – 100-Year Coastal Flood – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	0	$0	$0	$0
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	0	0	$0	$0	$0
CA Dept of Food and Agriculture	0	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	0	0	$0	$0	$0
CA Dept of General Services	0	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	0	0	$0	$0	$0
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	0	0	$0	$0	$0
CA Dept of Parks and Recreation	76	60175	$4,435,116	$3,307,192	$7,742,308
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	0	0	$0	$0	$0
CA Dept of Veterans Affairs	0	0	$0	$0	$0
CA Dept of Water Resources	0	0	$0	$0	$0
CA Employment Development Department	0	0	$0	$0	$0
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	0	0	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	0	0	$0	$0	$0
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	0	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	0	0	$0	$0	$0
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	0	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	0	$0	$0	$0
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	76	60175	$4,435,116	$3,307,192	$7,742,308

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	3	$5,197,377	$5,643,456	$10,840,833
CA Dept of Food and Agriculture	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	0	$0	$0	$0
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	0	$0	$0	$0
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	0	$0	$0	$0
CA Dept of Parks and Recreation	1	$222,862	$222,862	$445,725
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	0	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	0	$0	$0	$0
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	0	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	1	$259,850	$259,850	$519,700
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	5	$5,680,089	$6,126,168	$11,806,257

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	3	$5,197,377	$5,643,456	$10,840,833
CA Dept of Food and Agriculture	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	0	$0	$0	$0
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	0	$0	$0	$0
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	0	$0	$0	$0
CA Dept of Parks and Recreation	77	$4,657,978	$3,530,054	$8,188,033
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	0	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0
CA Employment Development Department	0	$0	$0	$0
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	0	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	1	$259,850	$259,850	$519,700
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	81	$10,115,205	$9,433,360	$19,548,565

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	0	$0	$0	$0
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	0	0	$0	$0	$0
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	0	0	$0	$0	$0
Del Norte	0	0	$0	$0	$0
El Dorado	0	0	$0	$0	$0
Fresno	0	0	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	0	0	$0	$0	$0
Imperial	0	0	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	0	0	$0	$0	$0
Lassen	0	0	$0	$0	$0
Los Angeles	1	2310	$315,546	$157,773	$473,319
Madera	0	0	$0	$0	$0
Marin	0	0	$0	$0	$0
Mariposa	0	0	$0	$0	$0
Mendocino	15	2232	$284,597	$284,597	$569,195
Merced	0	0	$0	$0	$0
Modoc	0	0	$0	$0	$0
Mono	0	0	$0	$0	$0
Monterey	0	0	$0	$0	$0
Napa	0	0	$0	$0	$0
Nevada	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	23	34016	$1,741,970	$870,985	$2,612,955
Placer	0	0	$0	$0	$0
Plumas	0	0	$0	$0	$0
Riverside	0	0	$0	$0	$0
Sacramento	0	0	$0	$0	$0
San Benito	0	0	$0	$0	$0
San Bernardino	0	0	$0	$0	$0
San Diego	33	20720	$2,093,003	$1,993,837	$4,086,840
San Francisco	0	0	$0	$0	$0
San Joaquin	0	0	$0	$0	$0
San Luis Obispo	0	0	$0	$0	$0
San Mateo	1	36	$0	$0	$0
Santa Barbara	0	0	$0	$0	$0
Santa Clara	0	0	$0	$0	$0
Santa Cruz	0	0	$0	$0	$0
Shasta	0	0	$0	$0	$0
Sierra	0	0	$0	$0	$0
Siskiyou	0	0	$0	$0	$0
Solano	0	0	$0	$0	$0
Sonoma	0	0	$0	$0	$0
Stanislaus	0	0	$0	$0	$0
Sutter	0	0	$0	$0	$0
Tehama	0	0	$0	$0	$0
Trinity	0	0	$0	$0	$0
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	3	861	$0	$0	$0
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	76	60175	$4,435,116	$3,307,192	$7,742,308

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	1	$892,157	$1,338,235	$2,230,392
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	0	$0	$0	$0
Madera	0	$0	$0	$0
Marin	1	$222,862	$222,862	$445,725
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	1	$586,271	$586,271	$1,172,542
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	1	$259,850	$259,850	$519,700
San Mateo	1	$3,718,950	$3,718,950	$7,437,899
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	0	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	5	$5,680,089	$6,126,168	$11,806,257

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	1	$892,157	$1,338,235	$2,230,392
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	1	$315,546	$157,773	$473,319
Madera	0	$0	$0	$0
Marin	1	$222,862	$222,862	$445,725
Mariposa	0	$0	$0	$0
Mendocino	15	$284,597	$284,597	$569,195
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	1	$586,271	$586,271	$1,172,542
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	23	$1,741,970	$870,985	$2,612,955
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	33	$2,093,003	$1,993,837	$4,086,840
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	1	$259,850	$259,850	$519,700
San Mateo	2	$3,718,950	$3,718,950	$7,437,899
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	3	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	81	$10,115,205	$9,433,360	$19,548,565

Risk Analysis Results – 100-Year Coastal Flood – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	Correctional Facility	0	0	$0	$0
Development Center	Development Center	0	0	$0	$0
Hospital	Hospital	0	0	$0	$0
Migrant Center	Migrant Center	0	0	$0	$0
Special School	Special School	0	0	$0	$0
Other Facility	Other Facility	76	60175	$4,435,116	$3,307,192
Total	Total	76	60175	$4,435,116	$3,307,192

Risk Analysis Results – 100-Year Coastal Flood – State Highways by County

County	Miles of Highway
Alameda	2.8
Alpine	0.0
Amador	0.0
Butte	0.0
Calaveras	0.0
Colusa	0.0
Contra Costa	1.1
Del Norte	0.8
El Dorado	0.0
Fresno	0.0
Glenn	0.0
Humboldt	1.9
Imperial	0.0
Inyo	0.0
Kern	0.0
Kings	0.0
Lake	0.0
Lassen	0.0
Los Angeles	0.1
Madera	0.0
Marin	0.1
Mariposa	0.0
Mendocino	0.6
Merced	0.0
Modoc	0.0
Mono	0.0
Monterey	0.1
Napa	0.0
Nevada	0.0
Orange	3.3

Risk Analysis Results – 100-Year Coastal Flood – State Highways by County

County	Miles of Highway
Placer	0.0
Plumas	0.0
Riverside	0.0
Sacramento	0.0
San Benito	0.0
San Bernardino	0.0
San Diego	0.4
San Francisco	1.8
San Joaquin	0.0
San Luis Obispo	0.5
San Mateo	2.0
Santa Barbara	0.0
Santa Clara	0.0
Santa Cruz	0.1
Shasta	0.0
Sierra	0.0
Siskiyou	0.0
Solano	0.4
Sonoma	0.6
Stanislaus	0.0
Sutter	0.0
Tehama	0.0
Trinity	0.0
Tulare	0.0
Tuolumne	0.0
Ventura	3.2
Yolo	0.0
Yuba	0.0
Total	19.8

Risk Analysis Results – 100-Year Coastal Flood – State Water Project by Branch

County	Number of State-Owned Dams
California Aqueduct	0.0
Coastal Branch	0.0
East Branch	0.0
East Branch Extension	0.0
North Bay Aqueduct	0.0
Oroville	0.0
South Bay Aqueduct	0.0
West Branch	0.0
Total	0.0

Risk Analysis Results for 100-cm Sea Level Rise

Risk Analysis Results – Sea Level Rise of 100cm – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	770	83,922	0.9%
Alpine	0	50,861	0.0%
Amador	0	97,686	0.0%
Butte	0	88,320	0.0%
Calaveras	0	124,320	0.0%
Colusa	0	39,975	0.0%
Contra Costa	1,737	28,731	6.0%
Del Norte	0	10,802	0.0%
El Dorado	0	184,442	0.0%
Fresno	0	51,792	0.0%
Glenn	0	2,085	0.0%
Humboldt	0	78,482	0.0%
Imperial	0	710,020	0.0%
Inyo	0	246,441	0.0%
Kern	0	1,014,386	0.0%
Kings	0	8,907	0.0%
Lake	0	82,544	0.0%
Lassen	0	180,689	0.0%
Los Angeles	2,473	911,564	0.3%
Madera	0	41,190	0.0%
Marin	2,762	24,696	11.2%
Mariposa	0	228,533	0.0%
Mendocino	0	855,474	0.0%
Merced	0	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	0	130,547	0.0%
Monterey	215	92,667	0.2%
Napa	171	169,772	0.1%
Nevada	0	146,358	0.0%

Risk Analysis Results – Sea Level Rise of 100cm – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	278	151,777	0.2%
Placer	0	122,653	0.0%
Plumas	0	60,257	0.0%
Riverside	0	1,065,179	0.0%
Sacramento	0	75,501	0.0%
San Benito	0	8,877	0.0%
San Bernardino	0	1,734,287	0.0%
San Diego	1,749	522,630	0.3%
San Francisco	470	4,245	11.1%
San Joaquin	0	28,214	0.0%
San Luis Obispo	275	733,458	0.0%
San Mateo	3,141	32,801	9.6%
Santa Barbara	324	28,657	1.1%
Santa Clara	656	43,054	1.5%
Santa Cruz	65	40,770	0.2%
Shasta	0	381,315	0.0%
Sierra	0	35,361	0.0%
Siskiyou	0	508,754	0.0%
Solano	96	55,831	0.2%
Sonoma	727	57,738	1.3%
Stanislaus	0	14,179	0.0%
Sutter	0	2,369	0.0%
Tehama	0	84,053	0.0%
Trinity	0	116,464	0.0%
Tulare	0	6,847	0.0%
Tuolumne	0	70,255	0.0%
Ventura	39	31,804	0.1%
Yolo	0	40,856	0.0%
Yuba	0	30,685	0.0%

Risk Analysis Results – Sea Level Rise of 100cm – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	15,950	11,788,962	0.1%

Risk Analysis Results – Sea Level Rise of 100cm – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	0	12	0	0	0	6	18
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	0	0	0	0	0	6	6
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	0	0	0	0	0	0	0
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0
Imperial	0	0	0	0	0	0	0	0
Inyo	0	0	0	0	0	0	0	0
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	0	2	0	0	0	0	0	2
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	6	0	6	12
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Sea Level Rise of 100cm – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	0	0	0	0	0	0
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	0	0	0	0	0	0
Sacramento	0	0	0	0	0	0	0	0
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	0	0	0	0
San Diego	0	0	0	0	0	0	3	3
San Francisco	0	0	0	0	0	0	18	18
San Joaquin	0	0	0	0	0	0	0	0
San Luis Obispo	0	0	0	0	0	0	0	0
San Mateo	0	0	6	0	0	0	24	30
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	6	0	6	0	0	0	0	12
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	0	0
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	12	12
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	0	0	0	0	0	0
Sutter	0	0	0	0	0	0	0	0
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	0	0	0	0	0	0	0
Yolo	0	0	0	0	0	0	0	0

Risk Analysis Results – Sea Level Rise of 100cm – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	6	2	24	0	6	0	75	113

Risk Analysis Results – Sea Level Rise of 100cm – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	-	$6.1 Billion to Greater Than $6.6 Billion	-	-	-	$6.0 Billion to Greater Than $6.0 Billion
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	-	-	-	-	-	$6.0 Billion to Greater Than $6.0 Billion
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-
Imperial	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-
Kern	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	-	$2.0 Billion to Greater Than $2.0 Billion	-	-	-	-	-
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	$60.0 Million to $600.0 Million	-	$6.0 Billion to Greater Than $6.0 Billion
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-

Risk Analysis Results – Sea Level Rise of 100cm – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	-	-	-	-	-	-
Sacramento	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-
San Diego	-	-	-	-	-	-	$610.0 Million to $1.6 Billion
San Francisco	-	-	-	-	-	-	$12.6 Billion to Greater Than $15.0 Billion
San Joaquin	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	-	-	-	-
San Mateo	-	-	$3.0 Billion to $6.0 Billion	-	-	-	$13.2 Billion to Greater Than $18.0 Billion
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	$3.0 Billion to $6.0 Billion	-	$60.0 Million to $600.0 Million	-	-	-	-
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	$6.6 Billion to Greater Than $9.0 Billion
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	-	-	-	-	-
Sutter	-	-	-	-	-	-	-

Risk Analysis Results – Sea Level Rise of 100cm – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	-	-	-	-	-	-
Yolo	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – Sea Level Rise of 100cm – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	215	8,228	2.6%
Alpine	0	0	0.0%
Amador	0	0	0.0%
Butte	0	0	0.0%
Calaveras	0	0	0.0%
Colusa	0	0	0.0%
Contra Costa	33	593	5.5%
Del Norte	0	0	0.0%
El Dorado	0	0	0.0%
Fresno	0	0	0.0%
Glenn	0	0	0.0%
Humboldt	0	0	0.0%
Imperial	0	0	0.0%
Inyo	0	0	0.0%
Kern	0	0	0.0%
Kings	0	0	0.0%
Lake	0	0	0.0%
Lassen	0	0	0.0%
Los Angeles	66	15,067	0.4%
Madera	0	0	0.0%
Marin	11,842	20,769	57.0%
Mariposa	0	0	0.0%
Mendocino	0	0	0.0%
Merced	0	0	0.0%
Modoc	0	0	0.0%
Mono	0	0	0.0%
Monterey	534	690	77.4%
Napa	16	87	18.4%
Nevada	0	0	0.0%
Orange	0	18,514	0.0%

Risk Analysis Results – Sea Level Rise of 100cm – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	0	0.0%
Plumas	0	0	0.0%
Riverside	0	0	0.0%
Sacramento	0	0	0.0%
San Benito	0	0	0.0%
San Bernardino	0	0	0.0%
San Diego	999	7,348	13.6%
San Francisco	0	1,478	0.0%
San Joaquin	0	0	0.0%
San Luis Obispo	0	132	0.0%
San Mateo	2,352	99,464	2.4%
Santa Barbara	58	2,118	2.7%
Santa Clara	0	10,565	0.0%
Santa Cruz	0	237	0.0%
Shasta	0	0	0.0%
Sierra	0	0	0.0%
Siskiyou	0	0	0.0%
Solano	0	1,103	0.0%
Sonoma	0	1,107	0.0%
Stanislaus	0	0	0.0%
Sutter	0	0	0.0%
Tehama	0	0	0.0%
Trinity	0	0	0.0%
Tulare	0	0	0.0%
Tuolumne	0	0	0.0%
Ventura	0	2,147	0.0%
Yolo	0	0	0.0%
Yuba	0	0	0.0%
Total	16,114	189,647	8.5%

Risk Analysis Results – Sea Level Rise of 100cm – State Bridges by County

County	# of Bridges
Alameda	2
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	2
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	3
Madera	0
Marin	10
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	2

Risk Analysis Results – Sea Level Rise of 100cm – State Bridges by County

County	# of Bridges
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	5
San Francisco	0
San Joaquin	0
San Luis Obispo	3
San Mateo	14
Santa Barbara	0
Santa Clara	1
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	2
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	2
Yolo	0
Yuba	0
Total	46

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	0	$0	$0	$0
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	55	69,573	$2,385,613	$1,311,467	$3,697,079
CA Dept of Food and Agriculture	0	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	0	0	$0	$0	$0
CA Dept of General Services	0	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	0	0	$0	$0	$0
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	2	20,652	$4,145,189	$5,185,655	$9,330,844
CA Dept of Parks and Recreation	27	32,529	$0	$0	$0
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	13	24,417	$5,121,356	$6,172,542	$11,293,898
CA Dept of Veterans Affairs	0	0	$0	$0	$0
CA Dept of Water Resources	0	0	$0	$0	$0
CA Employment Development Department	0	0	$0	$0	$0
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	0	0	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	2	12,571	$4,821,003	$7,231,504	$12,052,507
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	0	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	0	0	$0	$0	$0
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	0	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	0	$0	$0	$0
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	99	159,742	$16,473,161	$19,901,168	$36,374,329

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	1	$15,198,612	$15,198,612	$30,397,225
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	8	$10,877,116	$10,485,589	$21,362,705
CA Dept of Food and Agriculture	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	0	$0	$0	$0
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	1	$8,500,950	$8,500,950	$17,001,900
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	0	$0	$0	$0
CA Dept of Parks and Recreation	1	$222,862	$222,862	$445,725
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	1	$8,500,950	$8,500,950	$17,001,900
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	0	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	1	$8,500,950	$8,500,950	$17,001,900
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	0	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	3	$3,282,883	$2,997,326	$6,280,209
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	16	$55,084,323	$54,407,239	$109,491,562

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	1	$15,198,612	$15,198,612	$30,397,225
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	63	$13,262,729	$11,797,056	$25,059,785
CA Dept of Food and Agriculture	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	0	$0	$0	$0
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	1	$8,500,950	$8,500,950	$17,001,900
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	2	$4,145,189	$5,185,655	$9,330,844
CA Dept of Parks and Recreation	28	$222,862	$222,862	$445,725
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	1	$8,500,950	$8,500,950	$17,001,900
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	13	$5,121,356	$6,172,542	$11,293,898
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0
CA Employment Development Department	1	$8,500,950	$8,500,950	$17,001,900
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	2	$4,821,003	$7,231,504	$12,052,507
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	3	$3,282,883	$2,997,326	$6,280,209
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	115	$71,557,484	$74,308,407	$145,865,891

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	0	$0	$0	$0
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	0	0	$0	$0	$0
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	0	0	$0	$0	$0
Del Norte	0	0	$0	$0	$0
El Dorado	0	0	$0	$0	$0
Fresno	0	0	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	0	0	$0	$0	$0
Imperial	0	0	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	0	0	$0	$0	$0
Lassen	0	0	$0	$0	$0
Los Angeles	0	0	$0	$0	$0
Madera	0	0	$0	$0	$0
Marin	4	12,428	$2,295,432	$3,443,149	$5,738,581
Mariposa	0	0	$0	$0	$0
Mendocino	0	0	$0	$0	$0
Merced	0	0	$0	$0	$0
Modoc	0	0	$0	$0	$0
Mono	0	0	$0	$0	$0
Monterey	10	7,230	$0	$0	$0
Napa	3	9,316	$75,256	$75,256	$150,513
Nevada	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	0	0	$0	$0	$0
Placer	0	0	$0	$0	$0
Plumas	0	0	$0	$0	$0
Riverside	0	0	$0	$0	$0
Sacramento	0	0	$0	$0	$0
San Benito	0	0	$0	$0	$0
San Bernardino	0	0	$0	$0	$0
San Diego	0	0	$0	$0	$0
San Francisco	0	0	$0	$0	$0
San Joaquin	0	0	$0	$0	$0
San Luis Obispo	0	0	$0	$0	$0
San Mateo	15	48,748	$11,792,116	$15,146,553	$26,938,668
Santa Barbara	27	32,529	$0	$0	$0
Santa Clara	0	0	$0	$0	$0
Santa Cruz	0	0	$0	$0	$0
Shasta	0	0	$0	$0	$0
Sierra	0	0	$0	$0	$0
Siskiyou	0	0	$0	$0	$0
Solano	40	49,491	$2,310,356	$1,236,210	$3,546,567
Sonoma	0	0	$0	$0	$0
Stanislaus	0	0	$0	$0	$0
Sutter	0	0	$0	$0	$0
Tehama	0	0	$0	$0	$0
Trinity	0	0	$0	$0	$0
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	0	0	$0	$0	$0
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	99	159,742	$16,473,161	$19,901,168	$36,374,329

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	1	$316,552	$316,552	$633,104
Madera	0	$0	$0	$0
Marin	4	$8,147,070	$8,147,070	$16,294,140
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	4	$1,626,209	$1,106,240	$2,732,449
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	1	$314,231	$157,115	$471,346
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	1	$259,850	$259,850	$519,700
San Mateo	5	$44,420,412	$44,420,412	$88,840,823
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	0	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	16	$55,084,323	$54,407,239	$109,491,562

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	1	$316,552	$316,552	$633,104
Madera	0	$0	$0	$0
Marin	8	$10,442,502	$11,590,218	$22,032,721
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	14	$1,626,209	$1,106,240	$2,732,449
Napa	3	$75,256	$75,256	$150,513
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	1	$314,231	$157,115	$471,346
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	1	$259,850	$259,850	$519,700
San Mateo	20	$56,212,527	$59,566,964	$115,779,492
Santa Barbara	27	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	0	$0	$0	$0
Solano	40	$2,310,356	$1,236,210	$3,546,567
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	0	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	115	$71,557,484	$74,308,407	$145,865,891

Risk Analysis Results – Sea Level Rise of 100cm – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	0	0	$0	$0	$0
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	0	0	$0	$0	$0
Special School	0	0	$0	$0	$0
Other Facility	99	159,742	$16,473,161	$19,901,168	$36,374,329
Total	99	159,742	$16,473,161	$19,901,168	$36,374,329

Risk Analysis Results – Sea Level Rise of 100cm – State Highways by County

County	Miles of Highway
Alameda	11.6
Alpine	0.0
Amador	0.0
Butte	0.0
Calaveras	0.0
Colusa	0.0
Contra Costa	4.2
Del Norte	0.0
El Dorado	0.0
Fresno	0.0
Glenn	0.0
Humboldt	0.0
Imperial	0.0
Inyo	0.0
Kern	0.0
Kings	0.0
Lake	0.0
Lassen	0.0
Los Angeles	7.4
Madera	0.0
Marin	22.8
Mariposa	0.0
Mendocino	0.0
Merced	0.0
Modoc	0.0
Mono	0.0
Monterey	0.6
Napa	0.5
Nevada	0.0
Orange	6.7

Risk Analysis Results – Sea Level Rise of 100cm – State Highways by County

County	Miles of Highway
Placer	0.0
Plumas	0.0
Riverside	0.0
Sacramento	0.0
San Benito	0.0
San Bernardino	0.0
San Diego	4.3
San Francisco	4.9
San Joaquin	0.0
San Luis Obispo	0.2
San Mateo	28.7
Santa Barbara	0.1
Santa Clara	4.5
Santa Cruz	0.2
Shasta	0.0
Sierra	0.0
Siskiyou	0.0
Solano	4.4
Sonoma	9.8
Stanislaus	0.0
Sutter	0.0
Tehama	0.0
Trinity	0.0
Tulare	0.0
Tuolumne	0.0
Ventura	0.3
Yolo	0.0
Yuba	0.0
Total	111.1

Risk Analysis Results for 200-cm Sea Level Rise

Risk Analysis Results – Sea Level Rise of 200cm – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	1,305	83,922	1.6%
Alpine	0	50,861	0.0%
Amador	0	97,686	0.0%
Butte	0	88,320	0.0%
Calaveras	0	124,320	0.0%
Colusa	0	39,975	0.0%
Contra Costa	2,178	28,731	7.6%
Del Norte	0	10,802	0.0%
El Dorado	0	184,442	0.0%
Fresno	0	51,792	0.0%
Glenn	0	2,085	0.0%
Humboldt	0	78,482	0.0%
Imperial	0	710,020	0.0%
Inyo	0	246,441	0.0%
Kern	0	1,014,386	0.0%
Kings	0	8,907	0.0%
Lake	0	82,544	0.0%
Lassen	0	180,689	0.0%
Los Angeles	3,469	911,564	0.4%
Madera	0	41,190	0.0%
Marin	2,917	24,696	11.8%
Mariposa	0	228,533	0.0%
Mendocino	0	855,474	0.0%
Merced	0	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	0	130,547	0.0%
Monterey	284	92,667	0.3%
Napa	355	169,772	0.2%
Nevada	0	146,358	0.0%

Risk Analysis Results – Sea Level Rise of 200cm – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	1,537	151,777	1.0%
Placer	0	122,653	0.0%
Plumas	0	60,257	0.0%
Riverside	0	1,065,179	0.0%
Sacramento	0	75,501	0.0%
San Benito	0	8,877	0.0%
San Bernardino	0	1,734,287	0.0%
San Diego	2,333	522,630	0.4%
San Francisco	758	4,245	17.8%
San Joaquin	0	28,214	0.0%
San Luis Obispo	413	733,458	0.1%
San Mateo	3,428	32,801	10.4%
Santa Barbara	528	28,657	1.8%
Santa Clara	840	43,054	2.0%
Santa Cruz	251	40,770	0.6%
Shasta	0	381,315	0.0%
Sierra	0	35,361	0.0%
Siskiyou	0	508,754	0.0%
Solano	622	55,831	1.1%
Sonoma	971	57,738	1.7%
Stanislaus	0	14,179	0.0%
Sutter	0	2,369	0.0%
Tehama	0	84,053	0.0%
Trinity	0	116,464	0.0%
Tulare	0	6,847	0.0%
Tuolumne	0	70,255	0.0%
Ventura	268	31,804	0.8%
Yolo	0	40,856	0.0%
Yuba	0	30,685	0.0%

Risk Analysis Results – Sea Level Rise of 200cm – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	22,455	11,788,962	0.2%

Risk Analysis Results – Sea Level Rise of 200cm – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	6	12	0	0	0	30	48
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	6	0	6	0	0	6	18
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	0	0	0	0	0	0	0
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0
Imperial	0	0	0	0	0	0	0	0
Inyo	0	0	0	0	0	0	0	0
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	0	3	0	0	0	0	0	3
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	6	0	12	18
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Sea Level Rise of 200cm – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	0	0	0	0	0	0
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	0	0	0	0	0	0
Sacramento	0	0	0	0	0	0	0	0
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	0	0	0	0
San Diego	0	0	0	0	0	0	8	8
San Francisco	0	0	0	0	0	0	36	36
San Joaquin	0	0	0	0	0	0	0	0
San Luis Obispo	0	0	0	0	0	0	0	0
San Mateo	0	0	6	0	0	6	24	36
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	6	0	12	0	0	0	0	18
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	0	0
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	12	12
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	0	0	0	0	0	0
Sutter	0	0	0	0	0	0	0	0
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	0	1	0	0	0	1	2
Yolo	0	0	0	0	0	0	0	0

Risk Analysis Results – Sea Level Rise of 200cm – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	6	15	31	6	6	6	129	199

Risk Analysis Results – Sea Level Rise of 200cm – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	$3.0 Billion to $6.0 Billion	$6.1 Billion to Greater Than $6.6 Billion	-	-	-	$6.8 Billion to Greater Than $10.8 Billion
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	$600.0 Million to $3.0 Billion	-	$60.0 Million to $600.0 Million	-	-	$6.0 Billion to Greater Than $6.0 Billion
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-
Imperial	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-
Kern	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	-	$3.0 Billion to Greater Than $3.0 Billion	-	-	-	-	-
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	$60.0 Million to $600.0 Million	-	$6.1 Billion to Greater Than $6.6 Billion

Risk Analysis Results – Sea Level Rise of 200cm – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	-	-	-	-	-	-
Sacramento	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-
San Diego	-	-	-	-	-	-	$3.2 Billion to Greater Than $5.2 Billion
San Francisco	-	-	-	-	-	-	$22.2 Billion to Greater Than $30.0 Billion
San Joaquin	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	-	-	-	-
San Mateo	-	-	$3.0 Billion to $6.0 Billion	-	-	$600.0 Million to $3.0 Billion	$13.2 Billion to Greater Than $18.0 Billion
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	$3.0 Billion to $6.0 Billion	-	$660.0 Million to $3.6 Billion	-	-	-	-
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	$6.6 Billion to Greater Than $9.0 Billion

Risk Analysis Results – Sea Level Rise of 200cm – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	-	-	-	-	-
Sutter	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	-	$10.0 Million to $100.0 Million	-	-	-	$1.0 Billion to Greater Than $1.0 Billion
Yolo	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – Sea Level Rise of 200cm – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	23,614	188,393	12.5%
Alpine	0	0	0.0%
Amador	0	0	0.0%
Butte	0	0	0.0%
Calaveras	0	0	0.0%
Colusa	0	0	0.0%
Contra Costa	20,793	48,717	42.7%
Del Norte	0	0	0.0%
El Dorado	0	0	0.0%
Fresno	0	0	0.0%
Glenn	0	0	0.0%
Humboldt	0	0	0.0%
Imperial	0	0	0.0%
Inyo	0	0	0.0%
Kern	0	0	0.0%
Kings	0	0	0.0%
Lake	0	0	0.0%
Lassen	0	0	0.0%
Los Angeles	9,697	182,102	5.3%
Madera	0	0	0.0%
Marin	13,243	153,270	8.6%
Mariposa	0	0	0.0%
Mendocino	0	4,364	0.0%
Merced	0	0	0.0%
Modoc	0	0	0.0%
Mono	0	0	0.0%
Monterey	20,714	75,462	27.4%
Napa	709	13,954	5.1%
Nevada	0	0	0.0%
Orange	8,716	208,595	4.2%

Risk Analysis Results – Sea Level Rise of 200cm – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	0	0.0%
Plumas	0	0	0.0%
Riverside	0	0	0.0%
Sacramento	0	0	0.0%
San Benito	0	0	0.0%
San Bernardino	0	0	0.0%
San Diego	27,979	288,645	9.7%
San Francisco	2,666	57,578	4.6%
San Joaquin	0	0	0.0%
San Luis Obispo	0	70,454	0.0%
San Mateo	30,112	227,330	13.2%
Santa Barbara	12,671	89,215	14.2%
Santa Clara	0	70,439	0.0%
Santa Cruz	0	68,225	0.0%
Shasta	0	0	0.0%
Sierra	0	0	0.0%
Siskiyou	0	0	0.0%
Solano	19,070	86,603	22.0%
Sonoma	0	44,244	0.0%
Stanislaus	0	0	0.0%
Sutter	0	0	0.0%
Tehama	0	0	0.0%
Trinity	0	0	0.0%
Tulare	0	0	0.0%
Tuolumne	0	0	0.0%
Ventura	20,078	61,429	32.7%
Yolo	0	0	0.0%
Yuba	0	0	0.0%
Total	210,062	1,939,019	10.8%

Risk Analysis Results – Sea Level Rise of 200cm – State Bridges by County

County	# of Bridges
Alameda	18
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	6
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	6
Madera	0
Marin	15
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	1
Napa	0
Nevada	0
Orange	2

Risk Analysis Results – Sea Level Rise of 200cm – State Bridges by County

County	# of Bridges
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	5
San Francisco	2
San Joaquin	0
San Luis Obispo	3
San Mateo	32
Santa Barbara	2
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	5
Sonoma	3
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	6
Yolo	0
Yuba	0
Total	106

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	0	$0	$0	$0
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	63	83,995	$7,000,517	$4,379,648	$11,380,166
CA Dept of Food and Agriculture	0	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	0	0	$0	$0	$0
CA Dept of General Services	0	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	0	0	$0	$0	$0
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	2	20,652	$4,145,189	$5,185,655	$9,330,844
CA Dept of Parks and Recreation	111	120,208	$58,185,552	$37,958,925	$96,144,477
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	23	40,664	$6,492,578	$7,856,520	$14,349,098
CA Dept of Veterans Affairs	0	0	$0	$0	$0
CA Dept of Water Resources	0	0	$0	$0	$0
CA Employment Development Department	0	0	$0	$0	$0
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	0	0	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	2	12,571	$4,821,003	$7,231,504	$12,052,507
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	1	13,254	$2,284,730	$2,284,730	$4,569,460
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	150	1,074,093	$381,863,240	$379,407,970	$761,271,210
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	0	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	0	$0	$0	$0
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	352	1,365,437	$464,792,810	$444,304,952	$909,097,762

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	1	$15,198,612	$15,198,612	$30,397,225
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	1	$3,097,226	$3,097,226	$6,194,452
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	16	$25,645,290	$22,010,526	$47,655,816
CA Dept of Food and Agriculture	1	$5,262,717	$7,894,075	$13,156,791

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	0	$0	$0	$0
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	1	$8,500,950	$8,500,950	$17,001,900
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	0	$0	$0	$0
CA Dept of Parks and Recreation	1	$222,862	$222,862	$445,725
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	3	$14,197,043	$14,197,043	$28,394,085
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	0	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	2	$13,040,459	$13,040,459	$26,080,918
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	0	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	1	$1,766,779	$883,389	$2,650,168
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	7	$10,156,704	$12,812,477	$22,969,181
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	35	$118,618,448	$119,387,426	$238,005,874

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	1	$15,198,612	$15,198,612	$30,397,225
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	1	$3,097,226	$3,097,226	$6,194,452
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	79	$32,645,807	$26,390,174	$59,035,982
CA Dept of Food and Agriculture	1	$5,262,717	$7,894,075	$13,156,791
CA Dept of Forestry and Fire Protection	0	$0	$0	$0
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	1	$8,500,950	$8,500,950	$17,001,900
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	2	$4,145,189	$5,185,655	$9,330,844
CA Dept of Parks and Recreation	112	$58,408,414	$38,181,787	$96,590,202
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	3	$14,197,043	$14,197,043	$28,394,085
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	23	$6,492,578	$7,856,520	$14,349,098
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0
CA Employment Development Department	2	$13,040,459	$13,040,459	$26,080,918
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	2	$4,821,003	$7,231,504	$12,052,507
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	1	$2,284,730	$2,284,730	$4,569,460
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	1	$1,766,779	$883,389	$2,650,168
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	7	$10,156,704	$12,812,477	$22,969,181
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	150	$381,863,240	$379,407,970	$761,271,210
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	387	$583,411,258	$563,692,378	$1,147,103,636

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	0	$0	$0	$0
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	0	0	$0	$0	$0
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	1	13,254	$2,284,730	$2,284,730	$4,569,460
Del Norte	0	0	$0	$0	$0
El Dorado	0	0	$0	$0	$0
Fresno	0	0	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	0	0	$0	$0	$0
Imperial	0	0	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	0	0	$0	$0	$0
Lassen	0	0	$0	$0	$0
Los Angeles	0	0	$0	$0	$0
Madera	0	0	$0	$0	$0
Marin	4	12,428	$2,295,432	$3,443,149	$5,738,581
Mariposa	0	0	$0	$0	$0
Mendocino	0	0	$0	$0	$0
Merced	0	0	$0	$0	$0
Modoc	0	0	$0	$0	$0
Mono	0	0	$0	$0	$0
Monterey	10	7,230	$0	$0	$0
Napa	3	9,316	$75,256	$75,256	$150,513
Nevada	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	29	38,441	$4,377,054	$2,297,652	$6,674,706
Placer	0	0	$0	$0	$0
Plumas	0	0	$0	$0	$0
Riverside	0	0	$0	$0	$0
Sacramento	0	0	$0	$0	$0
San Benito	0	0	$0	$0	$0
San Bernardino	0	0	$0	$0	$0
San Diego	147	794,878	$428,663,877	$403,510,714	$832,174,591
San Francisco	0	0	$0	$0	$0
San Joaquin	0	0	$0	$0	$0
San Luis Obispo	28	37,099	$10,103,685	$13,215,565	$23,319,249
San Mateo	17	56,012	$13,163,338	$16,830,530	$29,993,868
Santa Barbara	27	32,529	$0	$0	$0
Santa Clara	0	0	$0	$0	$0
Santa Cruz	0	0	$0	$0	$0
Shasta	0	0	$0	$0	$0
Sierra	0	0	$0	$0	$0
Siskiyou	0	0	$0	$0	$0
Solano	41	50,491	$3,829,438	$2,647,355	$6,476,793
Sonoma	8	8,983	$0	$0	$0
Stanislaus	0	0	$0	$0	$0
Sutter	0	0	$0	$0	$0
Tehama	0	0	$0	$0	$0
Trinity	0	0	$0	$0	$0
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	37	304,776	$0	$0	$0
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	352	1,365,437	$464,792,810	$444,304,952	$909,097,762

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	1	$211,248	$105,624	$316,872
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	2	$5,592,844	$5,592,844	$11,185,689
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	5	$5,991,367	$5,979,977	$11,971,344
Madera	0	$0	$0	$0
Marin	5	$8,426,377	$8,426,377	$16,852,753
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	4	$1,626,209	$1,106,240	$2,732,449
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	1	$314,231	$157,115	$471,346
San Francisco	1	$21,529,807	$21,529,807	$43,059,614
San Joaquin	0	$0	$0	$0
San Luis Obispo	2	$1,050,067	$654,958	$1,705,025
San Mateo	8	$54,702,848	$54,702,848	$109,405,696
Santa Barbara	0	$0	$0	$0
Santa Clara	1	$6,282,193	$9,423,290	$15,705,483
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	0	$0	$0	$0
Solano	2	$7,029,495	$8,777,464	$15,806,959
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	3	$5,861,763	$2,930,881	$8,792,644
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	35	$118,618,448	$119,387,426	$238,005,874

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	1	$211,248	$105,624	$316,872
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	3	$7,877,574	$7,877,574	$15,755,149
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	5	$5,991,367	$5,979,977	$11,971,344
Madera	0	$0	$0	$0
Marin	9	$10,721,809	$11,869,525	$22,591,334
Mariposa	0	$0	$0	$0
Mendocino	0	$0	$0	$0
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	14	$1,626,209	$1,106,240	$2,732,449
Napa	3	$75,256	$75,256	$150,513
Nevada	0	$0	$0	$0
Orange	29	$4,377,054	$2,297,652	$6,674,706
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	148	$428,978,108	$403,667,830	$832,645,937
San Francisco	1	$21,529,807	$21,529,807	$43,059,614
San Joaquin	0	$0	$0	$0
San Luis Obispo	30	$11,153,751	$13,870,523	$25,024,274
San Mateo	25	$67,866,186	$71,533,378	$139,399,564
Santa Barbara	27	$0	$0	$0
Santa Clara	1	$6,282,193	$9,423,290	$15,705,483
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	0	$0	$0	$0
Solano	43	$10,858,933	$11,424,819	$22,283,752
Sonoma	8	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	40	$5,861,763	$2,930,881	$8,792,644
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	387	$583,411,258	$563,692,378	$1,147,103,636

Risk Analysis Results – Sea Level Rise of 200cm – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	0	0	$0	$0	$0
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	0	0	$0	$0	$0
Special School	0	0	$0	$0	$0
Other Facility	352	1,365,437	$464,792,810	$444,304,952	$909,097,762
Total	352	1,365,437	$464,792,810	$444,304,952	$909,097,762

Risk Analysis Results – Sea Level Rise of 200cm – State Highways by County

County	Miles of Highway
Alameda	32.9
Alpine	0.0
Amador	0.0
Butte	0.0
Calaveras	0.0
Colusa	0.0
Contra Costa	7.4
Del Norte	0.0
El Dorado	0.0
Fresno	0.0
Glenn	0.0
Humboldt	0.0
Imperial	0.0
Inyo	0.0
Kern	0.0
Kings	0.0
Lake	0.0
Lassen	0.0
Los Angeles	14.7
Madera	0.0
Marin	37.6
Mariposa	0.0
Mendocino	0.0
Merced	0.0
Modoc	0.0
Mono	0.0
Monterey	4.2
Napa	0.9
Nevada	0.0
Orange	19.0

Risk Analysis Results – Sea Level Rise of 200cm – State Highways by County

County	Miles of Highway
Placer	0.0
Plumas	0.0
Riverside	0.0
Sacramento	0.0
San Benito	0.0
San Bernardino	0.0
San Diego	13.3
San Francisco	6.1
San Joaquin	0.0
San Luis Obispo	1.1
San Mateo	56.0
Santa Barbara	1.1
Santa Clara	10.2
Santa Cruz	0.2
Shasta	0.0
Sierra	0.0
Siskiyou	0.0
Solano	22.9
Sonoma	11.4
Stanislaus	0.0
Sutter	0.0
Tehama	0.0
Trinity	0.0
Tulare	0.0
Tuolumne	0.0
Ventura	6.5
Yolo	0.0
Yuba	0.0
Total	245.6

Risk Analysis Results for 3-Foot Sea Level Rise

Risk Analysis Results – Sea Level Rise of 3ft – State Bridges by County

County	# of Bridges
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	3
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	0
Madera	0
Marin	0
Mariposa	0
Mendocino	1
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – Sea Level Rise of 3ft – State Bridges by County

County	# of Bridges
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	4

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	0	$0	$0	$0
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	11	50,108	$0	$0	$0
CA Dept of Food and Agriculture	0	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	0	0	$0	$0	$0
CA Dept of General Services	0	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	0	0	$0	$0	$0
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	0	0	$0	$0	$0
CA Dept of Parks and Recreation	2	96	$0	$0	$0
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	0	0	$0	$0	$0
CA Dept of Veterans Affairs	0	0	$0	$0	$0
CA Dept of Water Resources	0	0	$0	$0	$0
CA Employment Development Department	0	0	$0	$0	$0
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	0	0	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	0	0	$0	$0	$0
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	0	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	0	0	$0	$0	$0
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	0	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	0	$0	$0	$0
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	13	50,204	$0	$0	$0

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	3	$8,308,082	$8,754,160	$17,062,242
CA Dept of Food and Agriculture	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	0	$0	$0	$0
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	0	$0	$0	$0
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	0	$0	$0	$0
CA Dept of Parks and Recreation	0	$0	$0	$0
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	0	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	0	$0	$0	$0
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	0	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	0	$0	$0	$0
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	3	$8,308,082	$8,754,160	$17,062,242

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	14	$8,308,082	$8,754,160	$17,062,242
CA Dept of Food and Agriculture	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	0	$0	$0	$0
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	0	$0	$0	$0
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	0	$0	$0	$0
CA Dept of Parks and Recreation	2	$0	$0	$0
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	0	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0
CA Employment Development Department	0	$0	$0	$0
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	0	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	0	$0	$0	$0
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	16	$8,308,082	$8,754,160	$17,062,242

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	0	0	$0	$0	$0
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	0	0	$0	$0	$0
Special School	0	0	$0	$0	$0
Other Facility	13	50,204	$0	$0	$0
Total	13	50,204	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	0	83,922	0.0%
Alpine	0	50,861	0.0%
Amador	0	97,686	0.0%
Butte	0	88,320	0.0%
Calaveras	0	124,320	0.0%
Colusa	0	39,975	0.0%
Contra Costa	0	28,731	0.0%
Del Norte	171	10,802	1.6%
El Dorado	0	184,442	0.0%
Fresno	0	51,792	0.0%
Glenn	0	2,085	0.0%
Humboldt	7,503	78,482	9.6%
Imperial	0	710,020	0.0%
Inyo	0	246,441	0.0%
Kern	0	1,014,386	0.0%
Kings	0	8,907	0.0%
Lake	0	82,544	0.0%
Lassen	0	180,689	0.0%
Los Angeles	0	911,564	0.0%
Madera	0	41,190	0.0%
Marin	0	24,696	0.0%
Mariposa	0	228,533	0.0%
Mendocino	390	855,474	0.0%
Merced	0	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	0	130,547	0.0%
Monterey	0	92,667	0.0%
Napa	0	169,772	0.0%
Nevada	0	146,358	0.0%

Risk Analysis Results – Sea Level Rise of 3ft – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	0	151,777	0.0%
Placer	0	122,653	0.0%
Plumas	0	60,257	0.0%
Riverside	0	1,065,179	0.0%
Sacramento	0	75,501	0.0%
San Benito	0	8,877	0.0%
San Bernardino	0	1,734,287	0.0%
San Diego	0	522,630	0.0%
San Francisco	0	4,245	0.0%
San Joaquin	0	28,214	0.0%
San Luis Obispo	0	733,458	0.0%
San Mateo	0	32,801	0.0%
Santa Barbara	0	28,657	0.0%
Santa Clara	0	43,054	0.0%
Santa Cruz	0	40,770	0.0%
Shasta	0	381,315	0.0%
Sierra	0	35,361	0.0%
Siskiyou	0	508,754	0.0%
Solano	0	55,831	0.0%
Sonoma	0	57,738	0.0%
Stanislaus	0	14,179	0.0%
Sutter	0	2,369	0.0%
Tehama	0	84,053	0.0%
Trinity	0	116,464	0.0%
Tulare	0	6,847	0.0%
Tuolumne	0	70,255	0.0%
Ventura	0	31,804	0.0%
Yolo	0	40,856	0.0%
Yuba	0	30,685	0.0%

Risk Analysis Results – Sea Level Rise of 3ft – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	8,064	11,788,962	0.1%

Risk Analysis Results – Sea Level Rise of 3ft – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	0	0	0	0	0	0	0
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	0	0	0	0	0	0	0
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	0	0	0	0	0	0	0
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	1	1
Imperial	0	0	0	0	0	0	0	0
Inyo	0	0	0	0	0	0	0	0
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	0	0	0	0	0	0	0	0
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	0	0	0	0
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Sea Level Rise of 3ft – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	0	0	0	0	0	0
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	0	0	0	0	0	0
Sacramento	0	0	0	0	0	0	0	0
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	0	0	0	0
San Diego	0	0	0	0	0	0	0	0
San Francisco	0	0	0	0	0	0	0	0
San Joaquin	0	0	0	0	0	0	0	0
San Luis Obispo	0	0	0	0	0	0	0	0
San Mateo	0	0	0	0	0	0	0	0
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	0	0	0	0	0	0	0	0
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	0	0
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	0	0	0	0	0	0
Sutter	0	0	0	0	0	0	0	0
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	0	0	0	0	0	0	0
Yolo	0	0	0	0	0	0	0	0

Risk Analysis Results – Sea Level Rise of 3ft – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	1

Risk Analysis Results – Sea Level Rise of 3ft – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	-	-	-	-	-	-
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	-	-	-	-	-	-
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	$100.0 Million to $500.0 Million
Imperial	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-
Kern	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	-	-	-	-	-	-	-
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-

Risk Analysis Results – Sea Level Rise of 3ft – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Orange	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	-	-	-	-	-	-
Sacramento	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-
San Diego	-	-	-	-	-	-	-
San Francisco	-	-	-	-	-	-	-
San Joaquin	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	-	-	-	-
San Mateo	-	-	-	-	-	-	-
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	-	-	-	-	-	-	-
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	-	-	-	-	-
Sutter	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	-	-	-	-	-	-
Yolo	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – Sea Level Rise of 3ft – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	0	0	0.0%
Alpine	0	0	0.0%
Amador	0	0	0.0%
Butte	0	0	0.0%
Calaveras	0	0	0.0%
Colusa	0	0	0.0%
Contra Costa	0	0	0.0%
Del Norte	57	88	64.8%
El Dorado	0	0	0.0%
Fresno	0	0	0.0%
Glenn	0	0	0.0%
Humboldt	254	4,336	5.9%
Imperial	0	0	0.0%
Inyo	0	0	0.0%
Kern	0	0	0.0%
Kings	0	0	0.0%
Lake	0	0	0.0%
Lassen	0	0	0.0%
Los Angeles	0	0	0.0%
Madera	0	0	0.0%
Marin	0	0	0.0%
Mariposa	0	0	0.0%
Mendocino	40	65	62.1%
Merced	0	0	0.0%
Modoc	0	0	0.0%
Mono	0	0	0.0%
Monterey	0	0	0.0%
Napa	0	0	0.0%
Nevada	0	0	0.0%
Orange	0	0	0.0%

Risk Analysis Results – Sea Level Rise of 3ft – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	0	0.0%
Plumas	0	0	0.0%
Riverside	0	0	0.0%
Sacramento	0	0	0.0%
San Benito	0	0	0.0%
San Bernardino	0	0	0.0%
San Diego	0	0	0.0%
San Francisco	0	0	0.0%
San Joaquin	0	0	0.0%
San Luis Obispo	0	0	0.0%
San Mateo	0	0	0.0%
Santa Barbara	0	0	0.0%
Santa Clara	0	0	0.0%
Santa Cruz	0	0	0.0%
Shasta	0	0	0.0%
Sierra	0	0	0.0%
Siskiyou	0	0	0.0%
Solano	0	0	0.0%
Sonoma	0	0	0.0%
Stanislaus	0	0	0.0%
Sutter	0	0	0.0%
Tehama	0	0	0.0%
Trinity	0	0	0.0%
Tulare	0	0	0.0%
Tuolumne	0	0	0.0%
Ventura	0	0	0.0%
Yolo	0	0	0.0%
Yuba	0	0	0.0%
Total	351	4,489	7.8%

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	0	$0	$0	$0
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	0	0	$0	$0	$0
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	0	0	$0	$0	$0
Del Norte	0	0	$0	$0	$0
El Dorado	0	0	$0	$0	$0
Fresno	0	0	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	11	50,108	$0	$0	$0
Imperial	0	0	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	0	0	$0	$0	$0
Lassen	0	0	$0	$0	$0
Los Angeles	0	0	$0	$0	$0
Madera	0	0	$0	$0	$0
Marin	0	0	$0	$0	$0
Mariposa	0	0	$0	$0	$0
Mendocino	2	96	$0	$0	$0
Merced	0	0	$0	$0	$0
Modoc	0	0	$0	$0	$0
Mono	0	0	$0	$0	$0
Monterey	0	0	$0	$0	$0
Napa	0	0	$0	$0	$0
Nevada	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	0	0	$0	$0	$0
Placer	0	0	$0	$0	$0
Plumas	0	0	$0	$0	$0
Riverside	0	0	$0	$0	$0
Sacramento	0	0	$0	$0	$0
San Benito	0	0	$0	$0	$0
San Bernardino	0	0	$0	$0	$0
San Diego	0	0	$0	$0	$0
San Francisco	0	0	$0	$0	$0
San Joaquin	0	0	$0	$0	$0
San Luis Obispo	0	0	$0	$0	$0
San Mateo	0	0	$0	$0	$0
Santa Barbara	0	0	$0	$0	$0
Santa Clara	0	0	$0	$0	$0
Santa Cruz	0	0	$0	$0	$0
Shasta	0	0	$0	$0	$0
Sierra	0	0	$0	$0	$0
Siskiyou	0	0	$0	$0	$0
Solano	0	0	$0	$0	$0
Sonoma	0	0	$0	$0	$0
Stanislaus	0	0	$0	$0	$0
Sutter	0	0	$0	$0	$0
Tehama	0	0	$0	$0	$0
Trinity	0	0	$0	$0	$0
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	0	0	$0	$0	$0
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	13	50,204	$0	$0	$0

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	2	$3,113,553	$3,559,632	$6,673,185
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	0	$0	$0	$0
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	1	$5,194,529	$5,194,529	$10,389,057

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	0	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	3	$8,308,082	$8,754,160	$17,062,242

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	13	$3,113,553	$3,559,632	$6,673,185
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	0	$0	$0	$0
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	3	$5,194,529	$5,194,529	$10,389,057
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 3ft – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	0	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	16	$8,308,082	$8,754,160	$17,062,242

Risk Analysis Results – Sea Level Rise of 3ft – State Highways by County

County	Miles of Highway
Alameda	0.0
Alpine	0.0
Amador	0.0
Butte	0.0
Calaveras	0.0
Colusa	0.0
Contra Costa	0.0
Del Norte	0.5
El Dorado	0.0
Fresno	0.0
Glenn	0.0
Humboldt	10.5
Imperial	0.0
Inyo	0.0
Kern	0.0
Kings	0.0
Lake	0.0
Lassen	0.0
Los Angeles	0.0
Madera	0.0
Marin	0.0
Mariposa	0.0
Mendocino	1.0
Merced	0.0
Modoc	0.0
Mono	0.0
Monterey	0.0
Napa	0.0
Nevada	0.0
Orange	0.0

Risk Analysis Results – Sea Level Rise of 3ft – State Highways by County

County	Miles of Highway
Placer	0.0
Plumas	0.0
Riverside	0.0
Sacramento	0.0
San Benito	0.0
San Bernardino	0.0
San Diego	0.0
San Francisco	0.0
San Joaquin	0.0
San Luis Obispo	0.0
San Mateo	0.0
Santa Barbara	0.0
Santa Clara	0.0
Santa Cruz	0.0
Shasta	0.0
Sierra	0.0
Siskiyou	0.0
Solano	0.0
Sonoma	0.0
Stanislaus	0.0
Sutter	0.0
Tehama	0.0
Trinity	0.0
Tulare	0.0
Tuolumne	0.0
Ventura	0.0
Yolo	0.0
Yuba	0.0
Total	11.9

Risk Analysis Results for 6-Foot Sea Level Rise

Risk Analysis Results – Sea Level Rise of 6ft – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	0	83,922	0.0%
Alpine	0	50,861	0.0%
Amador	0	97,686	0.0%
Butte	0	88,320	0.0%
Calaveras	0	124,320	0.0%
Colusa	0	39,975	0.0%
Contra Costa	0	28,731	0.0%
Del Norte	2,686	10,802	24.9%
El Dorado	0	184,442	0.0%
Fresno	0	51,792	0.0%
Glenn	0	2,085	0.0%
Humboldt	8,917	78,482	11.4%
Imperial	0	710,020	0.0%
Inyo	0	246,441	0.0%
Kern	0	1,014,386	0.0%
Kings	0	8,907	0.0%
Lake	0	82,544	0.0%
Lassen	0	180,689	0.0%
Los Angeles	0	911,564	0.0%
Madera	0	41,190	0.0%
Marin	0	24,696	0.0%
Mariposa	0	228,533	0.0%
Mendocino	657	855,474	0.1%
Merced	0	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	0	130,547	0.0%
Monterey	0	92,667	0.0%
Napa	0	169,772	0.0%
Nevada	0	146,358	0.0%

Risk Analysis Results – Sea Level Rise of 6ft – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	0	151,777	0.0%
Placer	0	122,653	0.0%
Plumas	0	60,257	0.0%
Riverside	0	1,065,179	0.0%
Sacramento	0	75,501	0.0%
San Benito	0	8,877	0.0%
San Bernardino	0	1,734,287	0.0%
San Diego	0	522,630	0.0%
San Francisco	0	4,245	0.0%
San Joaquin	0	28,214	0.0%
San Luis Obispo	0	733,458	0.0%
San Mateo	0	32,801	0.0%
Santa Barbara	0	28,657	0.0%
Santa Clara	0	43,054	0.0%
Santa Cruz	0	40,770	0.0%
Shasta	0	381,315	0.0%
Sierra	0	35,361	0.0%
Siskiyou	0	508,754	0.0%
Solano	0	55,831	0.0%
Sonoma	0	57,738	0.0%
Stanislaus	0	14,179	0.0%
Sutter	0	2,369	0.0%
Tehama	0	84,053	0.0%
Trinity	0	116,464	0.0%
Tulare	0	6,847	0.0%
Tuolumne	0	70,255	0.0%
Ventura	0	31,804	0.0%
Yolo	0	40,856	0.0%
Yuba	0	30,685	0.0%

Risk Analysis Results – Sea Level Rise of 6ft – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	12,260	11,788,962	0.1%

Risk Analysis Results – Sea Level Rise of 6ft – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	0	0	0	0	0	0	0
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	0	0	0	0	0	0	0
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	0	0	0	0	0	0	0
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	1	1
Imperial	0	0	0	0	0	0	0	0
Inyo	0	0	0	0	0	0	0	0
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	0	0	0	0	0	0	0	0
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	0	0	0	0
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Sea Level Rise of 6ft – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	0	0	0	0	0	0
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	0	0	0	0	0	0
Sacramento	0	0	0	0	0	0	0	0
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	0	0	0	0
San Diego	0	0	0	0	0	0	0	0
San Francisco	0	0	0	0	0	0	0	0
San Joaquin	0	0	0	0	0	0	0	0
San Luis Obispo	0	0	0	0	0	0	0	0
San Mateo	0	0	0	0	0	0	0	0
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	0	0	0	0	0	0	0	0
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	0	0
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	0	0	0	0	0	0
Sutter	0	0	0	0	0	0	0	0
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	0	0	0	0	0	0	0
Yolo	0	0	0	0	0	0	0	0

Risk Analysis Results – Sea Level Rise of 6ft – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	1

Risk Analysis Results – Sea Level Rise of 6ft – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	-	-	-	-	-	-
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	-	-	-	-	-	-
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	$100.0 Million to $500.0 Million
Imperial	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-
Kern	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	-	-	-	-	-	-	-
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-

Risk Analysis Results – Sea Level Rise of 6ft – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Orange	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	-	-	-	-	-	-
Sacramento	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-
San Diego	-	-	-	-	-	-	-
San Francisco	-	-	-	-	-	-	-
San Joaquin	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	-	-	-	-
San Mateo	-	-	-	-	-	-	-
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	-	-	-	-	-	-	-
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	-	-	-	-	-
Sutter	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	-	-	-	-	-	-
Yolo	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – Sea Level Rise of 6ft – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	0	0	0.0%
Alpine	0	0	0.0%
Amador	0	0	0.0%
Butte	0	0	0.0%
Calaveras	0	0	0.0%
Colusa	0	0	0.0%
Contra Costa	0	0	0.0%
Del Norte	8,703	25,382	34.3%
El Dorado	0	0	0.0%
Fresno	0	0	0.0%
Glenn	0	0	0.0%
Humboldt	4,855	107,522	4.5%
Imperial	0	0	0.0%
Inyo	0	0	0.0%
Kern	0	0	0.0%
Kings	0	0	0.0%
Lake	0	0	0.0%
Lassen	0	0	0.0%
Los Angeles	0	0	0.0%
Madera	0	0	0.0%
Marin	0	0	0.0%
Mariposa	0	0	0.0%
Mendocino	4,864	29,237	16.6%
Merced	0	0	0.0%
Modoc	0	0	0.0%
Mono	0	0	0.0%
Monterey	0	0	0.0%
Napa	0	0	0.0%
Nevada	0	0	0.0%
Orange	0	0	0.0%

Risk Analysis Results – Sea Level Rise of 6ft – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	0	0.0%
Plumas	0	0	0.0%
Riverside	0	0	0.0%
Sacramento	0	0	0.0%
San Benito	0	0	0.0%
San Bernardino	0	0	0.0%
San Diego	0	0	0.0%
San Francisco	0	0	0.0%
San Joaquin	0	0	0.0%
San Luis Obispo	0	0	0.0%
San Mateo	0	0	0.0%
Santa Barbara	0	0	0.0%
Santa Clara	0	0	0.0%
Santa Cruz	0	0	0.0%
Shasta	0	0	0.0%
Sierra	0	0	0.0%
Siskiyou	0	0	0.0%
Solano	0	0	0.0%
Sonoma	0	0	0.0%
Stanislaus	0	0	0.0%
Sutter	0	0	0.0%
Tehama	0	0	0.0%
Trinity	0	0	0.0%
Tulare	0	0	0.0%
Tuolumne	0	0	0.0%
Ventura	0	0	0.0%
Yolo	0	0	0.0%
Yuba	0	0	0.0%
Total	18,422	162,141	11.4%

Risk Analysis Results – Sea Level Rise of 6ft – State Bridges by County

County	# of Bridges
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	1
El Dorado	0
Fresno	0
Glenn	0
Humboldt	5
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	0
Madera	0
Marin	0
Mariposa	0
Mendocino	2
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – Sea Level Rise of 6ft – State Bridges by County

County	# of Bridges
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	8

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	0	$0	$0	$0
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	11	50,108	$0	$0	$0
CA Dept of Food and Agriculture	0	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	0	0	$0	$0	$0
CA Dept of General Services	0	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	0	0	$0	$0	$0
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	0	0	$0	$0	$0
CA Dept of Parks and Recreation	23	14,402	$172,943	$86,472	$259,415
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	0	0	$0	$0	$0
CA Dept of Veterans Affairs	0	0	$0	$0	$0
CA Dept of Water Resources	0	0	$0	$0	$0
CA Employment Development Department	0	0	$0	$0	$0
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	0	0	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	1	4,648	$0	$0	$0
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	0	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	0	0	$0	$0	$0
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	0	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	0	$0	$0	$0
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	35	69,158	$172,943	$86,472	$259,415

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	4	$8,995,496	$9,441,574	$18,437,070
CA Dept of Food and Agriculture	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	0	$0	$0	$0
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	0	$0	$0	$0
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	1	$1,937,921	$1,937,921	$3,875,842
CA Dept of Parks and Recreation	0	$0	$0	$0
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	1	$1,365,578	$1,365,578	$2,731,155
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	0	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	1	$602,936	$602,936	$1,205,871
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	0	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	0	$0	$0	$0
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	7	$12,901,930	$13,348,008	$26,249,938

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	15	$8,995,496	$9,441,574	$18,437,070
CA Dept of Food and Agriculture	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	0	$0	$0	$0
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	0	$0	$0	$0
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	1	$1,937,921	$1,937,921	$3,875,842
CA Dept of Parks and Recreation	23	$172,943	$86,472	$259,415
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	1	$1,365,578	$1,365,578	$2,731,155
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	0	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0
CA Employment Development Department	1	$602,936	$602,936	$1,205,871
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	1	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	0	$0	$0	$0
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	42	$13,074,873	$13,434,480	$26,509,354

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	0	$0	$0	$0
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	0	0	$0	$0	$0
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	0	0	$0	$0	$0
Del Norte	0	0	$0	$0	$0
El Dorado	0	0	$0	$0	$0
Fresno	0	0	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	12	54,756	$0	$0	$0
Imperial	0	0	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	0	0	$0	$0	$0
Lassen	0	0	$0	$0	$0
Los Angeles	0	0	$0	$0	$0
Madera	0	0	$0	$0	$0
Marin	0	0	$0	$0	$0
Mariposa	0	0	$0	$0	$0
Mendocino	23	14,402	$172,943	$86,472	$259,415
Merced	0	0	$0	$0	$0
Modoc	0	0	$0	$0	$0
Mono	0	0	$0	$0	$0
Monterey	0	0	$0	$0	$0
Napa	0	0	$0	$0	$0
Nevada	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	0	0	$0	$0	$0
Placer	0	0	$0	$0	$0
Plumas	0	0	$0	$0	$0
Riverside	0	0	$0	$0	$0
Sacramento	0	0	$0	$0	$0
San Benito	0	0	$0	$0	$0
San Bernardino	0	0	$0	$0	$0
San Diego	0	0	$0	$0	$0
San Francisco	0	0	$0	$0	$0
San Joaquin	0	0	$0	$0	$0
San Luis Obispo	0	0	$0	$0	$0
San Mateo	0	0	$0	$0	$0
Santa Barbara	0	0	$0	$0	$0
Santa Clara	0	0	$0	$0	$0
Santa Cruz	0	0	$0	$0	$0
Shasta	0	0	$0	$0	$0
Sierra	0	0	$0	$0	$0
Siskiyou	0	0	$0	$0	$0
Solano	0	0	$0	$0	$0
Sonoma	0	0	$0	$0	$0
Stanislaus	0	0	$0	$0	$0
Sutter	0	0	$0	$0	$0
Tehama	0	0	$0	$0	$0
Trinity	0	0	$0	$0	$0
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	0	0	$0	$0	$0
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	35	69,158	$172,943	$86,472	$259,415

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	1	$602,936	$602,936	$1,205,871
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	4	$6,417,052	$6,863,130	$13,280,182
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	0	$0	$0	$0
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	2	$5,881,942	$5,881,942	$11,763,885

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	0	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	7	$12,901,930	$13,348,008	$26,249,938

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	1	$602,936	$602,936	$1,205,871
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	16	$6,417,052	$6,863,130	$13,280,182
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	0	$0	$0	$0
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	0	$0	$0	$0
Mendocino	25	$6,054,886	$5,968,414	$12,023,300
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	0	$0	$0	$0
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	0	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	42	$13,074,873	$13,434,480	$26,509,354

Risk Analysis Results – Sea Level Rise of 6ft – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	0	0	$0	$0	$0
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	0	0	$0	$0	$0
Special School	0	0	$0	$0	$0
Other Facility	35	69,158	$172,943	$86,472	$259,415
Total	35	69,158	$172,943	$86,472	$259,415

Risk Analysis Results – Sea Level Rise of 6ft – State Highways by County

County	Miles of Highway
Alameda	0.0
Alpine	0.0
Amador	0.0
Butte	0.0
Calaveras	0.0
Colusa	0.0
Contra Costa	0.0
Del Norte	1.5
El Dorado	0.0
Fresno	0.0
Glenn	0.0
Humboldt	26.0
Imperial	0.0
Inyo	0.0
Kern	0.0
Kings	0.0
Lake	0.0
Lassen	0.0
Los Angeles	0.0
Madera	0.0
Marin	0.0
Mariposa	0.0
Mendocino	1.4
Merced	0.0
Modoc	0.0
Mono	0.0
Monterey	0.0
Napa	0.0
Nevada	0.0
Orange	0.0

Risk Analysis Results – Sea Level Rise of 6ft – State Highways by County

County	Miles of Highway
Placer	0.0
Plumas	0.0
Riverside	0.0
Sacramento	0.0
San Benito	0.0
San Bernardino	0.0
San Diego	0.0
San Francisco	0.0
San Joaquin	0.0
San Luis Obispo	0.0
San Mateo	0.0
Santa Barbara	0.0
Santa Clara	0.0
Santa Cruz	0.0
Shasta	0.0
Sierra	0.0
Siskiyou	0.0
Solano	0.0
Sonoma	0.0
Stanislaus	0.0
Sutter	0.0
Tehama	0.0
Trinity	0.0
Tulare	0.0
Tuolumne	0.0
Ventura	0.0
Yolo	0.0
Yuba	0.0
Total	28.9

Risk Analysis Results for Tsunami

Risk Analysis Results – Tsunami – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	1,385	83,922	1.7%
Alpine	0	50,861	0.0%
Amador	0	97,686	0.0%
Butte	0	88,320	0.0%
Calaveras	0	124,320	0.0%
Colusa	0	39,975	0.0%
Contra Costa	1,316	28,731	4.6%
Del Norte	4,249	10,802	39.3%
El Dorado	0	184,442	0.0%
Fresno	0	51,792	0.0%
Glenn	0	2,085	0.0%
Humboldt	11,464	78,482	14.6%
Imperial	0	710,020	0.0%
Inyo	0	246,441	0.0%
Kern	0	1,014,386	0.0%
Kings	0	8,907	0.0%
Lake	0	82,544	0.0%
Lassen	0	180,689	0.0%
Los Angeles	4,392	911,564	0.5%
Madera	0	41,190	0.0%
Marin	2,053	24,696	8.3%
Mariposa	0	228,533	0.0%
Mendocino	2,749	855,474	0.3%
Merced	0	12,030	0.0%
Modoc	0	2,853	0.0%
Mono	0	130,547	0.0%
Monterey	307	92,667	0.3%
Napa	31	169,772	0.0%
Nevada	0	146,358	0.0%

Risk Analysis Results – Tsunami – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	1,538	151,777	1.0%
Placer	0	122,653	0.0%
Plumas	0	60,257	0.0%
Riverside	0	1,065,179	0.0%
Sacramento	0	75,501	0.0%
San Benito	0	8,877	0.0%
San Bernardino	0	1,734,287	0.0%
San Diego	2,281	522,630	0.4%
San Francisco	1,000	4,245	23.6%
San Joaquin	0	28,214	0.0%
San Luis Obispo	1,435	733,458	0.2%
San Mateo	3,668	32,801	11.2%
Santa Barbara	581	28,657	2.0%
Santa Clara	586	43,054	1.4%
Santa Cruz	397	40,770	1.0%
Shasta	0	381,315	0.0%
Sierra	0	35,361	0.0%
Siskiyou	0	508,754	0.0%
Solano	120	55,831	0.2%
Sonoma	848	57,738	1.5%
Stanislaus	0	14,179	0.0%
Sutter	0	2,369	0.0%
Tehama	0	84,053	0.0%
Trinity	0	116,464	0.0%
Tulare	0	6,847	0.0%
Tuolumne	0	70,255	0.0%
Ventura	406	31,804	1.3%
Yolo	0	40,856	0.0%
Yuba	0	30,685	0.0%

Risk Analysis Results – Tsunami – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	40,808	11,788,962	0.3%

Risk Analysis Results – Tsunami – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	0	3	0	0	0	7	10
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	1	0	0	0	0	3	4
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	0	0	0	0	0	0	0
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	1	1
Imperial	0	0	0	0	0	0	0	0
Inyo	0	0	0	0	0	0	0	0
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	0	4	0	0	0	0	4	8
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	1	0	2	3
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0	0
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Tsunami – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	0	0	0	0	0	0
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	0	0	0	0	0	0
Sacramento	0	0	0	0	0	0	0	0
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	0	0	0	0
San Diego	0	0	0	0	0	0	4	4
San Francisco	0	0	0	0	0	0	6	6
San Joaquin	0	0	0	0	0	0	0	0
San Luis Obispo	1	0	0	0	0	0	0	1
San Mateo	0	0	0	0	0	0	3	3
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	0	0	0	0	0	0	0	0
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	0	0	0	0	0	0	0
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	0	0	0	0	0	0	0
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	0	0	0	0	0	0
Sutter	0	0	0	0	0	0	0	0
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	0	0	0	0	0	0
Ventura	0	0	2	0	0	0	1	3
Yolo	0	0	0	0	0	0	0	0

Risk Analysis Results – Tsunami – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	1	5	5	0	1	0	31	43

Risk Analysis Results – Tsunami – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	-	$2.5 Billion to Greater Than $3.0 Billion	-	-	-	$2.3 Billion to Greater Than $3.7 Billion
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	$10.0 Million to $100.0 Million	-	-	-	-	$1.6 Billion to Greater Than $2.5 Billion
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	$100.0 Million to $500.0 Million
Imperial	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-
Kern	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	-	$3.5 Billion to Greater Than $4.0 Billion	-	-	-	-	$2.5 Billion to Greater Than $3.1 Billion
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	$10.0 Million to $100.0 Million	-	$1.0 Billion to Greater Than $1.1 Billion
Mariposa	-	-	-	-	-	-	-

Risk Analysis Results – Tsunami – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	-	-	-	-	-	-
Sacramento	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-
San Diego	-	-	-	-	-	-	$710.0 Million to $2.1 Billion
San Francisco	-	-	-	-	-	-	$4.6 Billion to Greater Than $5.5 Billion
San Joaquin	-	-	-	-	-	-	-
San Luis Obispo	$500.0 Million to $1.0 Billion	-	-	-	-	-	-
San Mateo	-	-	-	-	-	-	$2.1 Billion to Greater Than $2.5 Billion
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	-	-	-	-	-	-	-
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	-	-	-	-	-

Risk Analysis Results – Tsunami – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Sutter	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	-	-	$20.0 Million to $200.0 Million	-	-	-	$1.0 Billion to Greater Than $1.0 Billion
Yolo	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – Tsunami – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	11,087	77,977	14.2%
Alpine	0	0	0.0%
Amador	0	0	0.0%
Butte	0	0	0.0%
Calaveras	0	0	0.0%
Colusa	0	0	0.0%
Contra Costa	2,109	8,592	24.5%
Del Norte	3,698	4,931	75.0%
El Dorado	0	0	0.0%
Fresno	0	0	0.0%
Glenn	0	0	0.0%
Humboldt	425	8,180	5.2%
Imperial	0	0	0.0%
Inyo	0	0	0.0%
Kern	0	0	0.0%
Kings	0	0	0.0%
Lake	0	0	0.0%
Lassen	0	0	0.0%
Los Angeles	451	54,030	0.8%
Madera	0	0	0.0%
Marin	13,243	32,525	40.7%
Mariposa	0	0	0.0%
Mendocino	216	553	39.0%
Merced	0	0	0.0%
Modoc	0	0	0.0%
Mono	0	0	0.0%
Monterey	1,136	2,634	43.1%
Napa	0	0	0.0%
Nevada	0	0	0.0%
Orange	0	35,613	0.0%

Risk Analysis Results – Tsunami – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	0	0.0%
Plumas	0	0	0.0%
Riverside	0	0	0.0%
Sacramento	0	0	0.0%
San Benito	0	0	0.0%
San Bernardino	0	0	0.0%
San Diego	1,971	38,122	5.2%
San Francisco	302	36,132	0.8%
San Joaquin	0	0	0.0%
San Luis Obispo	0	3,693	0.0%
San Mateo	22	7,397	0.3%
Santa Barbara	1,002	5,010	20.0%
Santa Clara	0	52	0.0%
Santa Cruz	0	17,255	0.0%
Shasta	0	0	0.0%
Sierra	0	0	0.0%
Siskiyou	0	0	0.0%
Solano	16	889	1.8%
Sonoma	0	235	0.0%
Stanislaus	0	0	0.0%
Sutter	0	0	0.0%
Tehama	0	0	0.0%
Trinity	0	0	0.0%
Tulare	0	0	0.0%
Tuolumne	0	0	0.0%
Ventura	213	18,408	1.2%
Yolo	0	0	0.0%
Yuba	0	0	0.0%
Total	35,891	352,231	10.2%

Risk Analysis Results – Tsunami – State Bridges by County

County	# of Bridges
Alameda	63
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	22
Del Norte	8
El Dorado	0
Fresno	0
Glenn	0
Humboldt	22
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	32
Madera	0
Marin	17
Mariposa	0
Mendocino	11
Merced	0
Modoc	0
Mono	0
Monterey	8
Napa	0
Nevada	0
Orange	14

Risk Analysis Results – Tsunami – State Bridges by County

County	# of Bridges
Placer	0
Plumas	0
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	12
San Francisco	8
San Joaquin	0
San Luis Obispo	20
San Mateo	12
Santa Barbara	13
Santa Clara	0
Santa Cruz	5
Shasta	0
Sierra	0
Siskiyou	0
Solano	0
Sonoma	3
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	3
Yolo	0
Yuba	0
Total	273

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	3	174,077	$6,184,245	$3,160,553	$9,344,798
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	46	124,284	$3,333,144	$1,894,358	$5,227,501
CA Dept of Food and Agriculture	0	0	$0	$0	$0
CA Dept of Forestry and Fire Protection	4	5,618	$846,291	$967,254	$1,813,544
CA Dept of General Services	0	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	0	0	$0	$0	$0
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	1	7,075	$1,574,129	$1,574,129	$3,148,258
CA Dept of Parks and Recreation	688	636,646	$79,395,022	$55,826,821	$135,221,843
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	12	17,420	$79,970,206	$79,765,257	$159,735,462
CA Dept of Veterans Affairs	0	0	$0	$0	$0
CA Dept of Water Resources	0	0	$0	$0	$0
CA Employment Development Department	0	0	$0	$0	$0
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	0	0	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	3	14,736	$3,070,213	$4,217,929	$7,288,143
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	1	13,254	$2,284,730	$2,284,730	$4,569,460
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	8	187,075	$83,771,952	$88,607,833	$172,379,785

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	166	1,229,573	$428,932,367	$428,133,750	$857,066,118
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	2	39,487	$8,094,235	$8,296,102	$16,390,337
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	0	$0	$0	$0
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	934	2,449,245	$697,456,535	$674,728,715	$1,372,185,250

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	4	$4,408,055	$3,815,837	$8,223,892
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	29	$65,497,910	$61,992,820	$127,490,730
CA Dept of Food and Agriculture	1	$861,086	$861,086	$1,722,172

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	0	$0	$0	$0
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	2	$59,456,115	$59,456,115	$118,912,229
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	3	$20,065,133	$20,065,133	$40,130,265
CA Dept of Parks and Recreation	2	$376,728	$376,728	$753,457
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	1	$6,343,912	$6,343,912	$12,687,824
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	3	$8,134,853	$8,134,853	$16,269,705
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	1	$5,069,378	$5,069,378	$10,138,756
CA Dept of Transportation	0	$0	$0	$0
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	4	$51,634,616	$51,634,616	$103,269,233
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	2	$1,773,589	$886,794	$2,660,383
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	0	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	1	$1,766,779	$883,389	$2,650,168
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	6	$4,330,432	$3,939,251	$8,269,682
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	60	$251,248,391	$244,989,719	$496,238,110

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	0	$0	$0	$0
CA Board of Pilot Commissioners	1	$21,529,807	$21,529,807	$43,059,614
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	7	$10,592,300	$6,976,390	$17,568,690

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	75	$68,831,054	$63,887,177	$132,718,231
CA Dept of Food and Agriculture	1	$861,086	$861,086	$1,722,172
CA Dept of Forestry and Fire Protection	4	$846,291	$967,254	$1,813,544
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	2	$59,456,115	$59,456,115	$118,912,229
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	0	$0	$0	$0
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	4	$21,639,262	$21,639,262	$43,278,524
CA Dept of Parks and Recreation	690	$79,771,750	$56,203,549	$135,975,299
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	1	$6,343,912	$6,343,912	$12,687,824
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	3	$8,134,853	$8,134,853	$16,269,705
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	1	$5,069,378	$5,069,378	$10,138,756
CA Dept of Transportation	12	$79,970,206	$79,765,257	$159,735,462
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	0	$0	$0	$0
CA Employment Development Department	4	$51,634,616	$51,634,616	$103,269,233
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	0	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	2	$1,773,589	$886,794	$2,660,383

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	0	$0	$0	$0
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	3	$3,070,213	$4,217,929	$7,288,143
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	1	$2,284,730	$2,284,730	$4,569,460
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	1	$1,766,779	$883,389	$2,650,168
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	14	$88,102,384	$92,547,083	$180,649,467
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	166	$428,932,367	$428,133,750	$857,066,118
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	2	$8,094,235	$8,296,102	$16,390,337
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	0	$0	$0	$0
University of California	0	$0	$0	$0
Total	994	$948,704,926	$919,718,434	$1,868,423,359

Risk Analysis Results – Tsunami – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	3	39,880	$3,494,683	$3,696,550	$7,191,234
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	0	0	$0	$0	$0
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	1	13,254	$2,284,730	$2,284,730	$4,569,460
Del Norte	36	137,613	$19,655,903	$21,651,818	$41,307,721
El Dorado	0	0	$0	$0	$0
Fresno	0	0	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	24	76,578	$216,895	$108,448	$325,343
Imperial	0	0	$0	$0	$0
Inyo	0	0	$0	$0	$0
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	0	0	$0	$0	$0
Lassen	0	0	$0	$0	$0
Los Angeles	30	123,072	$86,057,933	$90,736,040	$176,793,973
Madera	0	0	$0	$0	$0
Marin	14	281,748	$88,313,023	$86,232,098	$174,545,121
Mariposa	0	0	$0	$0	$0
Mendocino	143	87,158	$3,121,287	$2,624,178	$5,745,465
Merced	0	0	$0	$0	$0
Modoc	0	0	$0	$0	$0
Mono	0	0	$0	$0	$0
Monterey	53	114,639	$1,773,143	$1,773,143	$3,546,286
Napa	3	9,316	$75,256	$75,256	$150,513
Nevada	0	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	82	93,703	$5,486,245	$3,176,474	$8,662,719
Placer	0	0	$0	$0	$0
Plumas	0	0	$0	$0	$0
Riverside	0	0	$0	$0	$0
Sacramento	0	0	$0	$0	$0
San Benito	0	0	$0	$0	$0
San Bernardino	0	0	$0	$0	$0
San Diego	210	893,003	$470,125,050	$444,531,320	$914,656,370
San Francisco	0	0	$0	$0	$0
San Joaquin	0	0	$0	$0	$0
San Luis Obispo	66	78,785	$14,276,613	$16,337,083	$30,613,696
San Mateo	34	26,989	$0	$0	$0
Santa Barbara	44	49,584	$265,318	$265,318	$530,635
Santa Clara	1	2,000	$0	$0	$0
Santa Cruz	0	0	$0	$0	$0
Shasta	0	0	$0	$0	$0
Sierra	0	0	$0	$0	$0
Siskiyou	0	0	$0	$0	$0
Solano	5	20,062	$162,064	$162,064	$324,129
Sonoma	90	58,227	$648,900	$324,450	$973,349
Stanislaus	0	0	$0	$0	$0
Sutter	0	0	$0	$0	$0
Tehama	0	0	$0	$0	$0
Trinity	0	0	$0	$0	$0
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	95	343,634	$1,499,491	$749,746	$2,249,237
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	934	2,449,245	$697,456,535	$674,728,715	$1,372,185,250

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	9	$101,315,780	$101,210,156	$202,525,935
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	3	$11,936,756	$11,936,756	$23,873,513
Del Norte	3	$2,640,893	$2,640,893	$5,281,786
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	7	$9,576,762	$10,022,840	$19,599,602
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	5	$60,241,571	$60,118,723	$120,360,294
Madera	0	$0	$0	$0
Marin	7	$9,331,505	$8,739,287	$18,070,792
Mariposa	0	$0	$0	$0
Mendocino	4	$14,599,405	$14,599,405	$29,198,809

Risk Analysis Results – Tsunami – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	4	$1,626,209	$1,106,240	$2,732,449
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	1	$1,176,723	$1,176,723	$2,353,446
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	2	$468,097	$310,982	$779,079
San Francisco	2	$22,390,893	$22,390,893	$44,781,786
San Joaquin	0	$0	$0	$0
San Luis Obispo	3	$1,248,622	$853,514	$2,102,136
San Mateo	1	$3,718,950	$3,718,950	$7,437,899
Santa Barbara	1	$1,352,489	$1,352,489	$2,704,978
Santa Clara	0	$0	$0	$0
Santa Cruz	3	$1,995,196	$997,598	$2,992,794
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0
Siskiyou	0	$0	$0	$0
Solano	1	$1,766,779	$883,389	$2,650,168
Sonoma	1			$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	3	$5,861,763	$2,930,881	$8,792,644
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	60	$251,248,391	$244,989,719	$496,238,110

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	12	$104,810,463	$104,906,706	$209,717,169
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	4	$14,221,487	$14,221,487	$28,442,973
Del Norte	39	$22,296,796	$24,292,711	$46,589,507
El Dorado	0	$0	$0	$0
Fresno	0	$0	$0	$0
Glenn	0	$0	$0	$0
Humboldt	31	$9,793,657	$10,131,288	$19,924,945
Imperial	0	$0	$0	$0
Inyo	0	$0	$0	$0
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	0	$0	$0	$0
Los Angeles	35	$146,299,504	$150,854,763	$297,154,267
Madera	0	$0	$0	$0
Marin	21	$97,644,528	$94,971,385	$192,615,913
Mariposa	0	$0	$0	$0
Mendocino	147	$17,720,692	$17,223,583	$34,944,275
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	57	$3,399,352	$2,879,383	$6,278,734
Napa	3	$75,256	$75,256	$150,513
Nevada	0	$0	$0	$0
Orange	83	$6,662,968	$4,353,196	$11,016,164
Placer	0	$0	$0	$0
Plumas	0	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	212	$470,593,147	$444,842,302	$915,435,448
San Francisco	2	$22,390,893	$22,390,893	$44,781,786
San Joaquin	0	$0	$0	$0
San Luis Obispo	69	$15,525,235	$17,190,596	$32,715,831
San Mateo	35	$3,718,950	$3,718,950	$7,437,899
Santa Barbara	45	$1,617,807	$1,617,807	$3,235,613
Santa Clara	1	$0	$0	$0
Santa Cruz	3	$1,995,196	$997,598	$2,992,794
Shasta	0	$0	$0	$0
Sierra	0	$0	$0	$0

Risk Analysis Results – Tsunami – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	0	$0	$0	$0
Solano	6	$1,928,843	$1,045,454	$2,974,297
Sonoma	91	$648,900	$324,450	$973,349
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	98	$7,361,254	$3,680,627	$11,041,881
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	994	$948,704,926	$919,718,434	$1,868,423,359

Risk Analysis Results – Tsunami – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	3	174,077	$6,184,245	$3,160,553	$9,344,798
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	0	0	$0	$0	$0
Special School	0	0	$0	$0	$0
Other Facility	931	2,275,168	$691,272,289	$671,568,162	$1,362,840,452
Total	934	2,449,245	$697,456,535	$674,728,715	$1,372,185,250

Risk Analysis Results – Tsunami – State Highways by County

County	Miles of Highway
Alameda	65.4
Alpine	0.0
Amador	0.0
Butte	0.0
Calaveras	0.0
Colusa	0.0
Contra Costa	11.9
Del Norte	20.1
El Dorado	0.0
Fresno	0.0
Glenn	0.0
Humboldt	58.8
Imperial	0.0
Inyo	0.0
Kern	0.0
Kings	0.0
Lake	0.0
Lassen	0.0
Los Angeles	23.5
Madera	0.0
Marin	44.7
Mariposa	0.0
Mendocino	10.3
Merced	0.0
Modoc	0.0
Mono	0.0
Monterey	14.1
Napa	0.0
Nevada	0.0
Orange	33.1

Risk Analysis Results – Tsunami – State Highways by County

County	Miles of Highway
Placer	0.0
Plumas	0.0
Riverside	0.0
Sacramento	0.0
San Benito	0.0
San Bernardino	0.0
San Diego	15.7
San Francisco	7.7
San Joaquin	0.0
San Luis Obispo	18.2
San Mateo	38.1
Santa Barbara	7.3
Santa Clara	0.0
Santa Cruz	2.7
Shasta	0.0
Sierra	0.0
Siskiyou	0.0
Solano	0.5
Sonoma	11.5
Stanislaus	0.0
Sutter	0.0
Tehama	0.0
Trinity	0.0
Tulare	0.0
Tuolumne	0.0
Ventura	17.8
Yolo	0.0
Yuba	0.0
Total	401.3

Risk Analysis Results for Volcano

Risk Analysis Results – Volcano – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Alameda	0	83,922	0.0%
Alpine	1,629	50,861	3.2%
Amador	0	97,686	0.0%
Butte	315	88,320	0.4%
Calaveras	0	124,320	0.0%
Colusa	0	39,975	0.0%
Contra Costa	0	28,731	0.0%
Del Norte	0	10,802	0.0%
El Dorado	0	184,442	0.0%
Fresno	9,419	51,792	18.2%
Glenn	0	2,085	0.0%
Humboldt	0	78,482	0.0%
Imperial	9,570	710,020	1.3%
Inyo	112,965	246,441	45.8%
Kern	0	1,014,386	0.0%
Kings	0	8,907	0.0%
Lake	10,828	82,544	13.1%
Lassen	3,578	180,689	2.0%
Los Angeles	0	911,564	0.0%
Madera	18,872	41,190	45.8%
Marin	0	24,696	0.0%
Mariposa	29,348	228,533	12.8%
Mendocino	0	855,474	0.0%
Merced	0	12,030	0.0%
Modoc	171	2,853	6.0%
Mono	128,800	130,547	98.7%
Monterey	0	92,667	0.0%
Napa	0	169,772	0.0%
Nevada	0	146,358	0.0%

Risk Analysis Results – Volcano – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Orange	0	151,777	0.0%
Placer	0	122,653	0.0%
Plumas	6,745	60,257	11.2%
Riverside	0	1,065,179	0.0%
Sacramento	0	75,501	0.0%
San Benito	0	8,877	0.0%
San Bernardino	44,532	1,734,287	2.6%
San Diego	0	522,630	0.0%
San Francisco	0	4,245	0.0%
San Joaquin	0	28,214	0.0%
San Luis Obispo	0	733,458	0.0%
San Mateo	0	32,801	0.0%
Santa Barbara	0	28,657	0.0%
Santa Clara	0	43,054	0.0%
Santa Cruz	0	40,770	0.0%
Shasta	208,966	381,315	54.8%
Sierra	0	35,361	0.0%
Siskiyou	503,528	508,754	99.0%
Solano	0	55,831	0.0%
Sonoma	0	57,738	0.0%
Stanislaus	0	14,179	0.0%
Sutter	0	2,369	0.0%
Tehama	19,439	84,053	23.1%
Trinity	11,909	116,464	10.2%
Tulare	0	6,847	0.0%
Tuolumne	1,132	70,255	1.6%
Ventura	0	31,804	0.0%
Yolo	0	40,856	0.0%
Yuba	0	30,685	0.0%

Risk Analysis Results – Volcano – Buildable Lands by County

County	Acres of Buildable Lands in Hazard Area	Total Acres of Buildable Lands	% of Buildable Lands in Hazard Area
Total	1,121,747	11,788,962	9.5%

Risk Analysis Results – Volcano – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Alameda	0	0	0	0	0	0	0	0
Alpine	0	0	0	0	0	0	0	0
Amador	0	0	0	0	0	0	0	0
Butte	0	0	0	0	0	0	0	0
Calaveras	0	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0	0
Contra Costa	0	0	0	0	0	0	0	0
Del Norte	0	0	0	0	0	0	0	0
El Dorado	0	0	0	0	0	0	0	0
Fresno	0	3	0	0	0	0	0	3
Glenn	0	0	0	0	0	0	0	0
Humboldt	0	0	0	0	0	0	0	0
Imperial	0	0	0	0	0	0	0	0
Inyo	0	2	0	0	0	0	0	2
Kern	0	0	0	0	0	0	0	0
Kings	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	0
Lassen	0	0	0	0	0	0	0	0
Los Angeles	0	0	0	0	0	0	0	0
Madera	0	0	0	0	0	0	0	0
Marin	0	0	0	0	0	0	0	0
Mariposa	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0
Merced	0	0	0	0	0	0	0	0
Modoc	0	4	0	0	0	0	0	4
Mono	0	0	11	0	0	0	0	11
Monterey	0	0	0	0	0	0	0	0
Napa	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0

Risk Analysis Results – Volcano – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Orange	0	0	0	0	0	0	0	0
Placer	0	0	0	0	0	0	0	0
Plumas	0	0	0	0	0	0	0	0
Riverside	0	0	0	0	0	0	0	0
Sacramento	0	0	0	0	0	0	0	0
San Benito	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	0	0	0	0
San Diego	0	0	0	0	0	0	0	0
San Francisco	0	0	0	0	0	0	0	0
San Joaquin	0	0	0	0	0	0	0	0
San Luis Obispo	0	0	0	0	0	0	0	0
San Mateo	0	0	0	0	0	0	0	0
Santa Barbara	0	0	0	0	0	0	0	0
Santa Clara	0	0	0	0	0	0	0	0
Santa Cruz	0	0	0	0	0	0	0	0
Shasta	0	5	0	0	0	0	2	7
Sierra	0	0	0	0	0	0	0	0
Siskiyou	0	7	0	0	0	0	0	7
Solano	0	0	0	0	0	0	0	0
Sonoma	0	0	0	0	0	0	0	0
Stanislaus	0	0	0	0	0	0	0	0
Sutter	0	0	0	0	0	0	0	0
Tehama	0	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0	0
Tulare	0	0	0	0	0	0	0	0
Tuolumne	0	0	3	0	0	0	0	3
Ventura	0	0	0	0	0	0	0	0
Yolo	0	0	0	0	0	0	0	0

Risk Analysis Results – Volcano – Critical Facilities by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation	Total
Yuba	0	0	0	0	0	0	0	0
Total	0	21	14	0	0	0	2	37

Risk Analysis Results – Volcano – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Alameda	-	-	-	-	-	-	-
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	-	-	-	-	-	-	-
Del Norte	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-
Fresno	-	$2.1 Billion to Greater Than $2.5 Billion	-	-	-	-	-
Glenn	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-
Imperial	-	-	-	-	-	-	-
Inyo	-	$200.0 Million to $1.0 Billion	-	-	-	-	-
Kern	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Los Angeles	-	-	-	-	-	-	-
Madera	-	-	-	-	-	-	-
Marin	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-

Risk Analysis Results – Volcano – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
Modoc	-	$400.0 Million to $2.0 Billion	-	-	-	-	-
Mono	-	-	$5.0 Billion to Greater Than $7.4 Billion	-	-	-	-
Monterey	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-
Orange	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	-	-	-	-	-	-	-
Sacramento	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-
San Diego	-	-	-	-	-	-	-
San Francisco	-	-	-	-	-	-	-
San Joaquin	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	-	-	-	-
San Mateo	-	-	-	-	-	-	-
Santa Barbara	-	-	-	-	-	-	-
Santa Clara	-	-	-	-	-	-	-
Santa Cruz	-	-	-	-	-	-	-
Shasta	-	$1.4 Billion to Greater Than $3.0 Billion	-	-	-	-	$200.0 Million to $1.0 Billion
Sierra	-	-	-	-	-	-	-
Siskiyou	-	$70.0 Million to	-	-	-	-	-

Risk Analysis Results – Volcano – Critical Facilities Economic Loss by County

County	Communications	Energy	Food, Water, Shelter	Hazardous Material	Health & Medical	Safety & Security	Transportation
		$700.0 Million					
Solano	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-
Stanislaus	-	-	-	-	-	-	-
Sutter	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-
Tuolumne	-	-	$700.0 Million to $2.0 Billion	-	-	-	-
Ventura	-	-	-	-	-	-	-
Yolo	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-

Risk Analysis Results – Volcano – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Alameda	0	0	0.0%
Alpine	4	4	100.0%
Amador	0	0	0.0%
Butte	0	152	0.0%
Calaveras	0	0	0.0%
Colusa	0	0	0.0%
Contra Costa	0	0	0.0%
Del Norte	0	0	0.0%
El Dorado	0	0	0.0%
Fresno	0	7,660	0.0%
Glenn	0	0	0.0%
Humboldt	0	0	0.0%
Imperial	4,001	5,452	73.4%
Inyo	0	15,652	0.0%
Kern	0	0	0.0%
Kings	0	0	0.0%
Lake	2,765	14,076	19.6%
Lassen	0	760	0.0%
Los Angeles	0	0	0.0%
Madera	0	23,323	0.0%
Marin	0	0	0.0%
Mariposa	0	9,450	0.0%
Mendocino	0	0	0.0%
Merced	0	0	0.0%
Modoc	0	877	0.0%
Mono	0	13,195	0.0%
Monterey	0	0	0.0%
Napa	0	0	0.0%
Nevada	0	0	0.0%
Orange	0	0	0.0%

Risk Analysis Results – Volcano – Population by County

County	Highly Vulnerable Population	Population	% Population Highly Vulnerable
Placer	0	0	0.0%
Plumas	0	3,943	0.0%
Riverside	0	0	0.0%
Sacramento	0	0	0.0%
San Benito	0	0	0.0%
San Bernardino	487	497	98.1%
San Diego	0	0	0.0%
San Francisco	0	0	0.0%
San Joaquin	0	0	0.0%
San Luis Obispo	0	0	0.0%
San Mateo	0	0	0.0%
Santa Barbara	0	0	0.0%
Santa Clara	0	0	0.0%
Santa Cruz	0	0	0.0%
Shasta	8,984	67,097	13.4%
Sierra	0	0	0.0%
Siskiyou	8,317	42,986	19.3%
Solano	0	0	0.0%
Sonoma	0	0	0.0%
Stanislaus	0	0	0.0%
Sutter	0	0	0.0%
Tehama	38	2,269	1.7%
Trinity	0	5,374	0.0%
Tulare	0	0	0.0%
Tuolumne	0	1,461	0.0%
Ventura	0	0	0.0%
Yolo	0	0	0.0%
Yuba	0	0	0.0%
Total	24,595	214,226	11.5%

Risk Analysis Results – Volcano – State Bridges by County

County	# of Bridges
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	6
Glenn	0
Humboldt	0
Imperial	20
Inyo	16
Kern	0
Kings	0
Lake	5
Lassen	1
Los Angeles	0
Madera	4
Marin	0
Mariposa	19
Mendocino	0
Merced	0
Modoc	1
Mono	31
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – Volcano – State Bridges by County

County	# of Bridges
Placer	0
Plumas	4
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	12
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	97
Sierra	0
Siskiyou	125
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	17
Trinity	22
Tulare	0
Tuolumne	4
Ventura	0
Yolo	0
Yuba	0
Total	384

Risk Analysis Results – Volcano – State Dams by County

County	Number of State-Owned Dams
Alameda	0
Alpine	0
Amador	0
Butte	0
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	0
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	0
Kings	0
Lake	0
Lassen	0
Los Angeles	0
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0
Nevada	0
Orange	0

Risk Analysis Results – Volcano – State Dams by County

County	Number of State-Owned Dams
Placer	0
Plumas	1
Riverside	0
Sacramento	0
San Benito	0
San Bernardino	0
San Diego	0
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	0
Santa Clara	0
Santa Cruz	0
Shasta	0
Sierra	0
Siskiyou	3
Solano	0
Sonoma	0
Stanislaus	0
Sutter	0
Tehama	0
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Total	4

Risk Analysis Results – Volcano – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	0	$0	$0	$0
6th District Court of Appeal	0	0	$0	$0	$0
CA Air Resources Board	0	0	$0	$0	$0
CA Board of Pilot Commissioners	0	0	$0	$0	$0
CA Commission on State Mandates	0	0	$0	$0	$0
CA Delta Protection Commission	0	0	$0	$0	$0
CA Dept of Aging	0	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	0	$0	$0	$0
CA Dept of Cannabis Control	0	0	$0	$0	$0
CA Dept of Child Support Services	0	0	$0	$0	$0
CA Dept of Community Services and Development	0	0	$0	$0	$0
CA Dept of Conservation	0	0	$0	$0	$0
CA Dept of Consumer Affairs	0	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	0	0	$0	$0	$0
CA Dept of Developmental Services	0	0	$0	$0	$0
CA Dept of Education	0	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	0	$0	$0	$0
CA Dept of Fish and Wildlife	207	308,488	$36,597,157	$39,889,582	$76,486,740
CA Dept of Food and Agriculture	3	1,857	$181,803	$181,803	$363,607
CA Dept of Forestry and Fire Protection	198	356,809	$37,161,860	$32,189,153	$69,351,013
CA Dept of General Services	0	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	0	$0	$0	$0
CA Dept of Health Care Services	0	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Housing & Community Development	2	77,750	$9,914,238	$4,957,119	$14,871,357
CA Dept of Human Resources	0	0	$0	$0	$0
CA Dept of Industrial Relations	0	0	$0	$0	$0
CA Dept of Insurance	0	0	$0	$0	$0
CA Dept of Justice	0	0	$0	$0	$0
CA Dept of Managed Health Care	0	0	$0	$0	$0
CA Dept of Motor Vehicles	1	862	$0	$0	$0
CA Dept of Parks and Recreation	274	210,622	$7,400,050	$4,995,937	$12,395,987
CA Dept of Pesticide Regulation	0	0	$0	$0	$0
CA Dept of Public Health	0	0	$0	$0	$0
CA Dept of Real Estate	0	0	$0	$0	$0
CA Dept of Rehabilitation	0	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	0	$0	$0	$0
CA Dept of Social Services	0	0	$0	$0	$0
CA Dept of State Hospitals	0	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	0	$0	$0	$0
CA Dept of Technology	0	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	0	$0	$0	$0
CA Dept of Transportation	227	480,855	$45,927,650	$42,344,554	$88,272,204
CA Dept of Veterans Affairs	0	0	$0	$0	$0
CA Dept of Water Resources	0	0	$0	$0	$0
CA Employment Development Department	0	0	$0	$0	$0
CA Franchise Tax Board	0	0	$0	$0	$0
CA Governor's Office of Emergency Services	0	0	$0	$0	$0
CA Governor's Office of Business and Economic Development	0	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Native American Heritage Commission	0	0	$0	$0	$0
CA Office of Administrative Law	0	0	$0	$0	$0
CA Office of Lieutenant Governor	0	0	$0	$0	$0
CA Office of Systems Integration	0	0	$0	$0	$0
CA Office of Tax Appeals	0	0	$0	$0	$0
CA Office of the Inspector General	0	0	$0	$0	$0
CA State Controller's Office	0	0	$0	$0	$0
California Agricultural Labor Relations Board	0	0	$0	$0	$0
California Arts Council	0	0	$0	$0	$0
California Board of State and Community Corrections	0	0	$0	$0	$0
California Children and Families Commission	0	0	$0	$0	$0
California Citizens Redistricting Commission	0	0	$0	$0	$0
California Coastal Commission	0	0	$0	$0	$0
California Commission on Teacher Credentialing	0	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	0	$0	$0	$0
California Community Colleges Board of Governors	0	0	$0	$0	$0
California Conservation Corps	0	0	$0	$0	$0
California Education Audit Appeals Panel	0	0	$0	$0	$0
California Emergency Medical Services Authority	0	0	$0	$0	$0
California Energy Commission	0	0	$0	$0	$0
California Exposition and State Fair	0	0	$0	$0	$0
California Fair Political Practices Commission	0	0	$0	$0	$0
California Gambling Control Commission	0	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California Government Operation Agency	0	0	$0	$0	$0
California Health and Human Services Agency	0	0	$0	$0	$0
California Health Benefit Exchange	0	0	$0	$0	$0
California High-Speed Rail Authority	0	0	$0	$0	$0
California Highway Patrol	11	35,034	$5,475,126	$6,360,456	$11,835,581
California Horse Racing Board	0	0	$0	$0	$0
California Law Revision Commission	0	0	$0	$0	$0
California Lottery	0	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	0	$0	$0	$0
California Military Department	0	0	$0	$0	$0
California Office of the State Public Defender	0	0	$0	$0	$0
California Prison Industry Authority	0	0	$0	$0	$0
California Public Employment Relations Board	0	0	$0	$0	$0
California Public Utilities Commission	0	0	$0	$0	$0
California State Board of Equalization	0	0	$0	$0	$0
California State Independent Living Council	0	0	$0	$0	$0
California State Lands Commission	0	0	$0	$0	$0
California State Legislature	0	0	$0	$0	$0
California State Personnel Board	0	0	$0	$0	$0
California State Summer School for the Arts	0	0	$0	$0	$0
California State Transportation Agency	0	0	$0	$0	$0
California State University	0	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Water Resources Control Board	0	0	$0	$0	$0
California Student Aid Commission	0	0	$0	$0	$0
California Tahoe Conservancy	0	0	$0	$0	$0
California Transportation Commission	0	0	$0	$0	$0
California Victim Compensation Board	0	0	$0	$0	$0
Cannabis Control Appeals Panel	0	0	$0	$0	$0
Central Valley Flood Protection Board	0	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	0	$0	$0	$0
District Agricultural Associations	108	463,545	$12,856,926	$12,856,926	$25,713,852
Exposition Park California	0	0	$0	$0	$0
Financial Information System for California	0	0	$0	$0	$0
Habeas Corpus Resource Center	0	0	$0	$0	$0
Judicial Council of California	3	93,189	$2,543,430	$2,543,430	$5,086,860
Milton Marks (Little Hoover) Commission	0	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	0	$0	$0	$0
San Diego River Conservancy	0	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	0	$0	$0	$0
San Joaquin River Conservancy	0	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	0	$0	$0	$0
Sierra Nevada Conservancy	0	0	$0	$0	$0
University of California	0	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by Agency

State-Owned					
Agency	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	1,034	2,029,011	$158,058,241	$146,318,961	$304,377,202

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	1	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	1	$1,206,089	$1,206,089	$2,412,178
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	18	$20,791,074	$20,325,620	$39,889,582
CA Dept of Food and Agriculture	3	$461,404	$284,157	$181,803

Risk Analysis Results – Volcano – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Forestry and Fire Protection	8	$51,567,149	$75,236,458	$32,189,153
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	0	$0	$0	$0
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	0	$0	$0	$0
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	1	$493,386	$493,386	$986,771
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	4	$2,382,505	$2,110,530	$0
CA Dept of Parks and Recreation	0	$0	$0	$0
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	2	$148,061	$148,061	$42,344,554
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	1	$467,568	$467,568	$935,136

Risk Analysis Results – Volcano – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Employment Development Department	0	$0	$0	$0
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	2	$995,824	$497,912	$1,493,735
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	1	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	2	$6,962,966	$8,821,345	$15,784,311
California Education Audit Appeals Panel	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	0	$0	$0	$0
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	0	$0	$0	$0
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	0	$0	$0	$0
Exposition Park California	0	$0	$0	$0
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	0	$0	$0	$0
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by Agency

State-Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	1	$179,996	$89,998	$269,994
University of California	0	$0	$0	$0
Total	45	$85,656,022	$109,681,124	$195,337,146

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
4th District Court of Appeal	0	$0	$0	$0
6th District Court of Appeal	0	$0	$0	$0
CA Air Resources Board	1	$0	$0	$0
CA Board of Pilot Commissioners	0	$0	$0	$0
CA Commission on State Mandates	0	$0	$0	$0
CA Delta Protection Commission	0	$0	$0	$0
CA Dept of Aging	0	$0	$0	$0
CA Dept of Alcoholic Beverage Control	0	$0	$0	$0
CA Dept of Cannabis Control	0	$0	$0	$0
CA Dept of Child Support Services	0	$0	$0	$0
CA Dept of Community Services and Development	0	$0	$0	$0
CA Dept of Conservation	0	$0	$0	$0
CA Dept of Consumer Affairs	0	$0	$0	$0
CA Dept of Corrections and Rehabilitation	1	$1,206,089	$1,206,089	$2,412,178

Risk Analysis Results – Volcano – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Developmental Services	0	$0	$0	$0
CA Dept of Education	0	$0	$0	$0
CA Dept of Fair Employment and Housing	0	$0	$0	$0
CA Dept of Financial Protection and Innovation	0	$0	$0	$0
CA Dept of Fish and Wildlife	225	$57,388,231	$60,215,203	$117,603,434
CA Dept of Food and Agriculture	6	$643,208	$465,960	$1,109,168
CA Dept of Forestry and Fire Protection	206	$88,729,009	$107,425,611	$196,154,620
CA Dept of General Services	0	$0	$0	$0
CA Dept of Health Care Access and Information	0	$0	$0	$0
CA Dept of Health Care Services	0	$0	$0	$0
CA Dept of Housing & Community Development	2	$9,914,238	$4,957,119	$14,871,357
CA Dept of Human Resources	0	$0	$0	$0
CA Dept of Industrial Relations	0	$0	$0	$0
CA Dept of Insurance	0	$0	$0	$0
CA Dept of Justice	1	$493,386	$493,386	$986,771
CA Dept of Managed Health Care	0	$0	$0	$0
CA Dept of Motor Vehicles	5	$2,382,505	$2,110,530	$4,493,035
CA Dept of Parks and Recreation	274	$7,400,050	$4,995,937	$12,395,987
CA Dept of Pesticide Regulation	0	$0	$0	$0
CA Dept of Public Health	0	$0	$0	$0
CA Dept of Real Estate	0	$0	$0	$0
CA Dept of Rehabilitation	0	$0	$0	$0
CA Dept of Resources Recycling and Recovery	0	$0	$0	$0
CA Dept of Social Services	0	$0	$0	$0
CA Dept of State Hospitals	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
CA Dept of Tax and Fee Administration	0	$0	$0	$0
CA Dept of Technology	0	$0	$0	$0
CA Dept of Toxic Substances Control	0	$0	$0	$0
CA Dept of Transportation	229	$46,075,711	$42,492,615	$88,568,327
CA Dept of Veterans Affairs	0	$0	$0	$0
CA Dept of Water Resources	1	$467,568	$467,568	$935,136
CA Employment Development Department	0	$0	$0	$0
CA Franchise Tax Board	0	$0	$0	$0
CA Governor's Office of Emergency Services	2	$995,824	$497,912	$1,493,735
CA Governor's Office of Business and Economic Development	0	$0	$0	$0
CA Native American Heritage Commission	0	$0	$0	$0
CA Office of Administrative Law	0	$0	$0	$0
CA Office of Lieutenant Governor	0	$0	$0	$0
CA Office of Systems Integration	0	$0	$0	$0
CA Office of Tax Appeals	0	$0	$0	$0
CA Office of the Inspector General	0	$0	$0	$0
CA State Controller's Office	0	$0	$0	$0
California Agricultural Labor Relations Board	1	$0	$0	$0
California Arts Council	0	$0	$0	$0
California Board of State and Community Corrections	0	$0	$0	$0
California Children and Families Commission	0	$0	$0	$0
California Citizens Redistricting Commission	0	$0	$0	$0
California Coastal Commission	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Commission on Teacher Credentialing	0	$0	$0	$0
California Commission on the Status of Women and Girls	0	$0	$0	$0
California Community Colleges Board of Governors	0	$0	$0	$0
California Conservation Corps	2	$6,962,966	$8,821,345	$15,784,311
California Education Audit Appeals Panel	0	$0	$0	$0
California Emergency Medical Services Authority	0	$0	$0	$0
California Energy Commission	0	$0	$0	$0
California Exposition and State Fair	0	$0	$0	$0
California Fair Political Practices Commission	0	$0	$0	$0
California Gambling Control Commission	0	$0	$0	$0
California Government Operation Agency	0	$0	$0	$0
California Health and Human Services Agency	0	$0	$0	$0
California Health Benefit Exchange	0	$0	$0	$0
California High-Speed Rail Authority	0	$0	$0	$0
California Highway Patrol	11	$5,475,126	$6,360,456	$11,835,581
California Horse Racing Board	0	$0	$0	$0
California Law Revision Commission	0	$0	$0	$0
California Lottery	0	$0	$0	$0
California Mental Health Services Oversight and Accountability Commission	0	$0	$0	$0
California Military Department	0	$0	$0	$0
California Office of the State Public Defender	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
California Prison Industry Authority	0	$0	$0	$0
California Public Employment Relations Board	0	$0	$0	$0
California Public Utilities Commission	0	$0	$0	$0
California State Board of Equalization	0	$0	$0	$0
California State Independent Living Council	0	$0	$0	$0
California State Lands Commission	0	$0	$0	$0
California State Legislature	0	$0	$0	$0
California State Personnel Board	0	$0	$0	$0
California State Summer School for the Arts	0	$0	$0	$0
California State Transportation Agency	0	$0	$0	$0
California State University	0	$0	$0	$0
California State Water Resources Control Board	0	$0	$0	$0
California Student Aid Commission	0	$0	$0	$0
California Tahoe Conservancy	0	$0	$0	$0
California Transportation Commission	0	$0	$0	$0
California Victim Compensation Board	0	$0	$0	$0
Cannabis Control Appeals Panel	0	$0	$0	$0
Central Valley Flood Protection Board	0	$0	$0	$0
Coachella Valley Mountains Conservancy	0	$0	$0	$0
Commission on Peace Officer Standards and Training	0	$0	$0	$0
District Agricultural Associations	108	$12,856,926	$12,856,926	$25,713,852
Exposition Park California	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by Agency

State-Owned and -Leased				
Agency	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Financial Information System for California	0	$0	$0	$0
Habeas Corpus Resource Center	0	$0	$0	$0
Judicial Council of California	3	$2,543,430	$2,543,430	$5,086,860
Milton Marks (Little Hoover) Commission	0	$0	$0	$0
Sacramento-San Joaquin Delta Conservancy	0	$0	$0	$0
San Diego River Conservancy	0	$0	$0	$0
San Francisco Bay Conservation and Development Commission	0	$0	$0	$0
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy	0	$0	$0	$0
San Joaquin River Conservancy	0	$0	$0	$0
Santa Monica Mountains Conservancy	0	$0	$0	$0
Sierra Nevada Conservancy	1	$179,996	$89,998	$269,994
University of California	0	$0	$0	$0
Total	1,079	$243,714,263	$256,000,085	$499,714,348

Risk Analysis Results – Volcano – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	0	$0	$0	$0
Alpine	0	0	$0	$0	$0
Amador	0	0	$0	$0	$0
Butte	1	1,711	$169,284	$84,642	$253,925
Calaveras	0	0	$0	$0	$0
Colusa	0	0	$0	$0	$0
Contra Costa	0	0	$0	$0	$0
Del Norte	0	0	$0	$0	$0
El Dorado	0	0	$0	$0	$0
Fresno	9	9,393	$0	$0	$0
Glenn	0	0	$0	$0	$0
Humboldt	0	0	$0	$0	$0
Imperial	25	28,508	$2,103,574	$1,051,787	$3,155,362
Inyo	92	257,891	$29,685,472	$27,662,635	$57,348,107
Kern	0	0	$0	$0	$0
Kings	0	0	$0	$0	$0
Lake	52	46,496	$7,895,648	$4,949,915	$12,845,563
Lassen	5	7,058	$0	$0	$0
Los Angeles	0	0	$0	$0	$0
Madera	40	55,983	$3,015,110	$3,730,092	$6,745,202
Marin	0	0	$0	$0	$0
Mariposa	41	103,027	$9,150,065	$9,034,498	$18,184,563
Mendocino	0	0	$0	$0	$0
Merced	0	0	$0	$0	$0
Modoc	13	101,328	$10,313,752	$5,156,876	$15,470,628
Mono	262	312,309	$21,262,874	$15,505,074	$36,767,947
Monterey	0	0	$0	$0	$0
Napa	0	0	$0	$0	$0
Nevada	0	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	0	0	$0	$0	$0
Placer	0	0	$0	$0	$0
Plumas	12	13,777	$0	$0	$0
Riverside	0	0	$0	$0	$0
Sacramento	0	0	$0	$0	$0
San Benito	0	0	$0	$0	$0
San Bernardino	2	4,300	$0	$0	$0
San Diego	0	0	$0	$0	$0
San Francisco	0	0	$0	$0	$0
San Joaquin	0	0	$0	$0	$0
San Luis Obispo	0	0	$0	$0	$0
San Mateo	0	0	$0	$0	$0
Santa Barbara	0	0	$0	$0	$0
Santa Clara	0	0	$0	$0	$0
Santa Cruz	0	0	$0	$0	$0
Shasta	204	345,809	$38,283,744	$45,422,476	$83,706,221
Sierra	0	0	$0	$0	$0
Siskiyou	229	633,319	$17,414,714	$17,340,349	$34,755,063
Solano	0	0	$0	$0	$0
Sonoma	0	0	$0	$0	$0
Stanislaus	0	0	$0	$0	$0
Sutter	0	0	$0	$0	$0
Tehama	22	47,131	$11,836,463	$11,006,646	$22,843,109
Trinity	25	60,971	$6,927,542	$5,373,970	$12,301,512
Tulare	0	0	$0	$0	$0
Tuolumne	0	0	$0	$0	$0
Ventura	0	0	$0	$0	$0
Yolo	0	0	$0	$0	$0
Yuba	0	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	1,034	2,029,011	$158,058,241	$146,318,961	$304,377,202

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	0	$0	$0	$0
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	2	$167,081	$83,540	$250,621
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	0	$0	$0	$0
Inyo	10	$17,034,275	$15,749,194	$32,783,469
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	0	$0	$0	$0
Los Angeles	0	$0	$0	$0
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	1	$0	$0	$0
Mendocino	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	0	$0	$0	$0
Mono	0	$0	$0	$0
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	1	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	0	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	9	$54,147,695	$79,592,951	$133,740,645
Sierra	0	$0	$0	$0
Siskiyou	21	$14,306,971	$14,255,439	$28,562,411
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	0	$0	$0	$0
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	1	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	45	$85,656,022	$109,681,124	$195,337,146

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	1	$169,284	$84,642	$253,925
Calaveras	0	$0	$0	$0
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	0	$0	$0	$0
El Dorado	0	$0	$0	$0
Fresno	11	$167,081	$83,540	$250,621
Glenn	0	$0	$0	$0
Humboldt	0	$0	$0	$0
Imperial	25	$2,103,574	$1,051,787	$3,155,362
Inyo	102	$46,719,746	$43,411,829	$90,131,576
Kern	0	$0	$0	$0
Kings	0	$0	$0	$0
Lake	52	$7,895,648	$4,949,915	$12,845,563

Risk Analysis Results – Volcano – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	5	$0	$0	$0
Los Angeles	0	$0	$0	$0
Madera	40	$3,015,110	$3,730,092	$6,745,202
Marin	0	$0	$0	$0
Mariposa	42	$9,150,065	$9,034,498	$18,184,563
Mendocino	0	$0	$0	$0
Merced	0	$0	$0	$0
Modoc	13	$10,313,752	$5,156,876	$15,470,628
Mono	262	$21,262,874	$15,505,074	$36,767,947
Monterey	0	$0	$0	$0
Napa	0	$0	$0	$0
Nevada	0	$0	$0	$0
Orange	0	$0	$0	$0
Placer	0	$0	$0	$0
Plumas	13	$0	$0	$0
Riverside	0	$0	$0	$0
Sacramento	0	$0	$0	$0
San Benito	0	$0	$0	$0
San Bernardino	2	$0	$0	$0
San Diego	0	$0	$0	$0
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	0	$0	$0	$0
San Mateo	0	$0	$0	$0
Santa Barbara	0	$0	$0	$0
Santa Clara	0	$0	$0	$0
Santa Cruz	0	$0	$0	$0
Shasta	213	$92,431,439	$125,015,427	$217,446,866
Sierra	0	$0	$0	$0

Risk Analysis Results – Volcano – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	250	$31,721,685	$31,595,788	$63,317,473
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	22	$11,836,463	$11,006,646	$22,843,109
Trinity	25	$6,927,542	$5,373,970	$12,301,512
Tulare	0	$0	$0	$0
Tuolumne	0	$0	$0	$0
Ventura	1	$0	$0	$0
Yolo	0	$0	$0	$0
Yuba	0	$0	$0	$0
Total	1,079	$243,714,263	$256,000,085	$499,714,348

Risk Analysis Results – Volcano – State Facilities by Type

State-Owned					
Type	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Correctional Facility	0	0	$0	$0	$0
Development Center	0	0	$0	$0	$0
Hospital	0	0	$0	$0	$0
Migrant Center	2	77,750	$9,914,238	$4,957,119	$14,871,357
Special School	0	0	$0	$0	$0
Other Facility	1,032	1,951,261	$148,144,003	$141,361,842	$289,505,844
Total	1,034	2,029,011	$158,058,241	$146,318,961	$304,377,202

Risk Analysis Results – Volcano – State Highways by County

County	Miles of Highway
Alameda	0.0
Alpine	0.0
Amador	0.0
Butte	3.9
Calaveras	0.0
Colusa	0.0
Contra Costa	0.0
Del Norte	0.0
El Dorado	0.0
Fresno	82.4
Glenn	0.0
Humboldt	0.0
Imperial	29.3
Inyo	177.5
Kern	0.0
Kings	0.0
Lake	63.2
Lassen	68.1
Los Angeles	0.0
Madera	72.6
Marin	0.0
Mariposa	97.5
Mendocino	0.0
Merced	0.0
Modoc	86.0
Mono	603.9
Monterey	0.0
Napa	0.0
Nevada	0.0
Orange	0.0

Risk Analysis Results – Volcano – State Highways by County

County	Miles of Highway
Placer	0.0
Plumas	64.8
Riverside	0.0
Sacramento	0.0
San Benito	0.0
San Bernardino	45.0
San Diego	0.0
San Francisco	0.0
San Joaquin	0.0
San Luis Obispo	0.0
San Mateo	0.0
Santa Barbara	0.0
Santa Clara	0.0
Santa Cruz	0.0
Shasta	486.0
Sierra	0.0
Siskiyou	580.3
Solano	0.0
Sonoma	0.0
Stanislaus	0.0
Sutter	0.0
Tehama	157.5
Trinity	106.6
Tulare	0.0
Tuolumne	70.2
Ventura	0.0
Yolo	0.0
Yuba	0.0
Total	2,794.9

Risk Analysis Results for Wildfire

Risk Analysis Results – Wildfire – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	2	1,616	$0	$0	$0
Alpine	7	13,184	$2,598,926	$1,881,946	$4,480,873
Amador	55	83,752	$12,047,159	$12,047,159	$24,094,319
Butte	29	51,995	$4,692,287	$3,132,927	$7,825,214
Calaveras	119	279,319	$11,925,784	$11,513,627	$23,439,411
Colusa	0	0	$0	$0	$0
Contra Costa	51	38,511	$908,101	$712,572	$1,620,672
Del Norte	53	71,518	$7,385,629	$5,257,634	$12,643,263
El Dorado	203	338,796	$37,038,645	$36,850,095	$73,888,741
Fresno	33	38,389	$0	$0	$0
Glenn	4	3,155	$7,599,324	$10,860,179	$18,459,503
Humboldt	277	332,238	$18,009,714	$15,495,228	$33,504,942
Imperial	0	0	$0	$0	$0
Inyo	73	88,990	$12,081,571	$7,455,984	$19,537,555
Kern	56	63,610	$5,726,249	$7,714,041	$13,440,290
Kings	0	0	$0	$0	$0
Lake	25	32,503	$6,459,832	$3,601,892	$10,061,724
Lassen	44	119,774	$11,546,800	$6,779,537	$18,326,337
Los Angeles	228	955,779	$38,296,583	$26,956,836	$65,253,419
Madera	13	10,792	$0	$0	$0
Marin	147	78,153	$4,918,680	$2,459,340	$7,378,020
Mariposa	23	47,993	$6,199,436	$7,000,928	$13,200,364
Mendocino	421	349,995	$21,734,958	$15,054,329	$36,789,287
Merced	52	41,403	$295,535	$443,303	$738,838
Modoc	0	0	$0	$0	$0
Mono	16	17,356	$0	$0	$0
Monterey	243	287,423	$21,214,485	$15,816,760	$37,031,245
Napa	42	41,722	$1,932,389	$2,422,694	$4,355,083
Nevada	256	422,689	$25,733,006	$24,367,452	$50,100,458

Risk Analysis Results – Wildfire – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Orange	78	62,980	$502,167	$502,167	$1,004,334
Placer	128	179,215	$25,230,655	$31,067,225	$56,297,881
Plumas	63	65,047	$4,966,995	$3,645,841	$8,612,836
Riverside	160	196,511	$23,268,328	$20,340,686	$43,609,014
Sacramento	0	0	$0	$0	$0
San Benito	85	69,947	$6,287,125	$7,603,330	$13,890,455
San Bernardino	145	2,939,147	$12,722,767	$16,162,094	$28,884,861
San Diego	272	451,074	$116,592,977	$105,160,380	$221,753,357
San Francisco	0	0	$0	$0	$0
San Joaquin	66	65,133	$1,555,188	$1,555,188	$3,110,377
San Luis Obispo	45	55,507	$2,433,448	$2,332,162	$4,765,611
San Mateo	71	56,869	$5,779,488	$8,208,212	$13,987,699
Santa Barbara	61	45,120	$3,242,890	$1,887,382	$5,130,272
Santa Clara	165	100,709	$17,959,615	$12,357,187	$30,316,802
Santa Cruz	195	322,005	$35,141,185	$24,308,662	$59,449,847
Shasta	202	251,535	$34,150,442	$42,373,142	$76,523,584
Sierra	0	0	$0	$0	$0
Siskiyou	98	166,810	$7,599,292	$8,219,342	$15,818,634
Solano	0	0	$0	$0	$0
Sonoma	104	227,916	$7,382,328	$9,079,131	$16,461,459
Stanislaus	1	876	$2,209,109	$2,209,109	$4,418,218
Sutter	0	0	$0	$0	$0
Tehama	46	69,594	$13,010,491	$13,285,128	$26,295,619
Trinity	34	58,152	$21,940,444	$30,741,091	$52,681,535
Tulare	30	30,870	$430,346	$215,173	$645,519
Tuolumne	347	1,029,932	$33,356,801	$33,356,801	$66,713,602
Ventura	37	932,394	$235,118,284	$302,848,386	$537,966,670
Yolo	0	0	$0	$0	$0
Yuba	28	25,465	$1,075,031	$1,612,547	$2,687,578

Risk Analysis Results – Wildfire – State Facilities by County

State-Owned					
County	**# of Structures**	**Square Footage**	**Structure RCV**	**Content RCV**	**Total RCV**
Total	4,933	11,213,463	$870,300,488	$896,894,832	$1,767,195,320

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	0	$0	$0	$0
Alpine	0	$0	$0	$0
Amador	0	$0	$0	$0
Butte	3	$6,142,323	$6,142,323	$12,284,646
Calaveras	3	$623,905	$623,905	$1,247,810
Colusa	0	$0	$0	$0
Contra Costa	0	$0	$0	$0
Del Norte	1	$1,057,943	$1,057,943	$2,115,885
El Dorado	18	$17,774,390	$18,232,108	$36,006,498
Fresno	4	$167,081	$83,540	$250,621
Glenn	0	$0	$0	$0
Humboldt	4	$2,438,017	$2,135,797	$4,573,813
Imperial	0	$0	$0	$0
Inyo	2	$613,841	$306,920	$920,761
Kern	1	$1,057,472	$1,057,472	$2,114,944
Kings	0	$0	$0	$0
Lake	0	$0	$0	$0
Lassen	1			$0
Los Angeles	8	$7,317,545	$6,927,701	$14,245,247
Madera	0	$0	$0	$0
Marin	0	$0	$0	$0
Mariposa	2	$251,650	$125,825	$377,476
Mendocino	2	$108,056	$54,028	$162,084

Risk Analysis Results – Wildfire – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Merced	0	$0	$0	$0
Modoc	1	$267,274	$267,274	$534,548
Mono	0	$0	$0	$0
Monterey	5			$0
Napa	0	$0	$0	$0
Nevada	6	$13,114,476	$12,720,520	$25,834,995
Orange	0	$0	$0	$0
Placer	1	$590,381	$590,381	$1,180,761
Plumas	1			$0
Riverside	2	$75,045	$37,523	$112,568
Sacramento	1			$0
San Benito	2	$251,954	$125,977	$377,931
San Bernardino	1	$146,200	$73,100	$219,300
San Diego	3	$558,291	$558,291	$1,116,582
San Francisco	0	$0	$0	$0
San Joaquin	0	$0	$0	$0
San Luis Obispo	2			$0
San Mateo	1	$3,106,718	$4,660,077	$7,766,796
Santa Barbara	0	$0	$0	$0
Santa Clara	3	$658,071	$594,704	$1,252,775
Santa Cruz	1	$427,220	$427,220	$854,439
Shasta	4	$4,542,090	$6,234,496	$10,776,585
Sierra	0	$0	$0	$0
Siskiyou	7	$1,963,360	$2,053,192	$4,016,552
Solano	0	$0	$0	$0
Sonoma	0	$0	$0	$0
Stanislaus	0	$0	$0	$0
Sutter	0	$0	$0	$0
Tehama	0	$0	$0	$0

Risk Analysis Results – Wildfire – State Facilities by County

State-Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Trinity	1	$472,772	$472,772	$945,545
Tulare	0	$0	$0	$0
Tuolumne	8	$5,088,507	$5,048,007	$10,136,515
Ventura	5			$0
Yolo	1	$229,662	$114,831	$344,493
Yuba	0	$0	$0	$0
Total	105	$69,044,243	$70,725,927	$139,770,170

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Alameda	2	$0	$0	$0
Alpine	7	$2,598,926	$1,881,946	$4,480,873
Amador	55	$12,047,159	$12,047,159	$24,094,319
Butte	32	$10,834,610	$9,275,250	$20,109,860
Calaveras	122	$12,549,689	$12,137,532	$24,687,221
Colusa	0	$0	$0	$0
Contra Costa	51	$908,101	$712,572	$1,620,672
Del Norte	54	$8,443,571	$6,315,577	$14,759,148
El Dorado	221	$54,813,036	$55,082,203	$109,895,239
Fresno	37	$167,081	$83,540	$250,621
Glenn	4	$7,599,324	$10,860,179	$18,459,503
Humboldt	281	$20,447,731	$17,631,025	$38,078,756
Imperial	0	$0	$0	$0
Inyo	75	$12,695,412	$7,762,905	$20,458,316
Kern	57	$6,783,721	$8,771,513	$15,555,234
Kings	0	$0	$0	$0
Lake	25	$6,459,832	$3,601,892	$10,061,724

Risk Analysis Results – Wildfire – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Lassen	45	$11,546,800	$6,779,537	$18,326,337
Los Angeles	236	$45,614,128	$33,884,538	$79,498,665
Madera	13	$0	$0	$0
Marin	147	$4,918,680	$2,459,340	$7,378,020
Mariposa	25	$6,451,086	$7,126,753	$13,577,839
Mendocino	423	$21,843,014	$15,108,357	$36,951,372
Merced	52	$295,535	$443,303	$738,838
Modoc	1	$267,274	$267,274	$534,548
Mono	16	$0	$0	$0
Monterey	248	$21,214,485	$15,816,760	$37,031,245
Napa	42	$1,932,389	$2,422,694	$4,355,083
Nevada	262	$38,847,481	$37,087,971	$75,935,453
Orange	78	$502,167	$502,167	$1,004,334
Placer	129	$25,821,036	$31,657,606	$57,478,642
Plumas	64	$4,966,995	$3,645,841	$8,612,836
Riverside	162	$23,343,373	$20,378,208	$43,721,581
Sacramento	1	$0	$0	$0
San Benito	87	$6,539,078	$7,729,307	$14,268,385
San Bernardino	146	$12,868,967	$16,235,194	$29,104,161
San Diego	275	$117,151,268	$105,718,671	$222,869,939
San Francisco	0	$0	$0	$0
San Joaquin	66	$1,555,188	$1,555,188	$3,110,377
San Luis Obispo	47	$2,433,448	$2,332,162	$4,765,611
San Mateo	72	$8,886,206	$12,868,289	$21,754,495
Santa Barbara	61	$3,242,890	$1,887,382	$5,130,272
Santa Clara	168	$18,617,686	$12,951,891	$31,569,577
Santa Cruz	196	$35,568,404	$24,735,882	$60,304,286
Shasta	206	$38,692,532	$48,607,637	$87,300,169
Sierra	0	$0	$0	$0

Risk Analysis Results – Wildfire – State Facilities by County

State-Owned and -Leased				
County	**# of Structures**	**Structure RCV**	**Content RCV**	**Total RCV**
Siskiyou	105	$9,562,652	$10,272,534	$19,835,186
Solano	0	$0	$0	$0
Sonoma	104	$7,382,328	$9,079,131	$16,461,459
Stanislaus	1	$2,209,109	$2,209,109	$4,418,218
Sutter	0	$0	$0	$0
Tehama	46	$13,010,491	$13,285,128	$26,295,619
Trinity	35	$22,413,216	$31,213,864	$53,627,080
Tulare	30	$430,346	$215,173	$645,519
Tuolumne	355	$38,445,308	$38,404,808	$76,850,117
Ventura	42	$235,118,284	$302,848,386	$537,966,670
Yolo	1	$229,662	$114,831	$344,493
Yuba	28	$1,075,031	$1,612,547	$2,687,578
Total	5,038	$939,344,732	$967,620,759	$1,906,965,490

Appendix J. **Status of Actions from Previous Plan**



Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

J. STATUS OF ACTIONS FROM PREVIOUS PLAN

Each action in the 2018 State Hazard Mitigation Plan (SHMP) was reviewed and reconciled with comments to show what activities, if any, were taken on those actions during the past five years. Table J-1 provides a detailed summary of actions, comments, and status indicators for all 114 actions.

Table J-1. Status of Actions from the 2018 State Plan

Action Item from Previous Plan	Status
Action 2018-001 – Support Legislative Efforts that Formalize California's Comprehensive Mitigation Program: Mitigation Legislation and Implementation. *Comment: State agencies have been designing both technical and financial assistance programs to allow local agencies to update and align their various flood safety planning activities. For example, the California Department of Water Resources (DWR)'s floodplain management and protection and risk awareness (FMPRA) program provided up to $5 million for flood risk reduction planning activities statewide. Furthermore, the Governor's Office of Planning and Research (OPR), the California Governor's Office of Emergency Services (Cal OES) and DWR continue to work on planning alignment activities which will encourage local agencies to use information in one plan in another effort.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-002 – Strengthen Inter-agency Coordination Actions Including State, Regional, and Local Linkages: Establish Inter-agency Advisory Groups, Task Forces, and Work Groups to ensure vertical and horizontal integration and coordination of mitigation planning and implementation. *Comment: The State Mitigation Planning Unit (SMP Unit) has adopted a new working and hazard group format for the 2023 SHMP Update. The goal is for these groups to stand during the implementation phase of the 2023 SHMP and provide input in between updates. These groups are horizontal by including partners across State agencies, and vertical by including partners from the federal government, local jurisdictions, academic institutions, nonprofit organizations, and the private sector. On the Grants side, Cal OES has entered into a Joint Powers Authority with* the *California Department of Forestry and Fire Protection (CAL FIRE) to establish and implement the California Wildfire Mitigation Program to implement wildfire retrofits and defensible space on the residences of socially vulnerable homeowners. This JPA will establish methodology to harden homes based on the best available science, in coordination with partner agencies and organizations, including the Institute for Building and Home Safety and Housing and California Department of Housing and Community Development (HCD). Cal OES participates in a monthly working group Office of Planning Research, the Federal Emergency Management Agency (FEMA), and The Nature Conservancy to advance the use of nature-based solutions under FEMA programs through OPR's and TNC's Cooperative Technical Partnerships with FEMA. CAL FIRE has created and leads the Wildfire Resiliency Task Force and the Wildfire Mitigation Advisory Committee to bring together State, local, Tribal, and academic stakeholders to coordinate around wildfire resiliency. Cal OES has multiple members participating in both groups. California has established the Safer from Wildfire interagency partnership between the California Department of Insurance, Cal OES, CAL FIRE, the California Public Utilities Commission (CPUC), and OPR to protect lives, homes, and businesses by reducing wildfire risk and increasing access to wildfire insurance. The Integrated Climate Action and Resilience Program (ICARP) drives California's response to climate impacts by facilitating greater coordination across local, regional, and State levels. ICARP's Technical Advisory Council (TAC) convenes experts across sectors quarterly to develop strategies that increase California's climate resilience, as well as "work group" meetings to address more topical or specific priorities in more depth. In addition, ICARP hosts interagency working groups at the agency deputy level and program manager level to promote alignment across the State's climate adaptation and hazard mitigation resources and facilitate the development of Administration-wide climate initiatives. These institutionalized structures provide continuity in the State's resilience efforts and have the ability to adapt to meet emerging needs.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-003 – Broaden Public and Private Sector Mitigation Linkages *Comment: The Delta Investment Strategy is a collaborative effort between State agencies, local reclamation districts, delta landowners, businesses, and other stakeholders. Ongoing: The Great California ShakeOut is an annual event involving public and private sector organizations, as well as local, regional, State, and federal agencies. Over 10 million individuals participated in the earthquake awareness and preparedness drill in 2017. Ongoing: FireSafe Councils are community-based organizations that collaborate with the California Fire Alliance (CFA) and CAL FIRE to identify local fire prevention projects. Funding for implementation is accomplished through federal agency grants. The State Water Efficiency and Enhancement Program (SWEEP) was initiated in response to the 2012-2016 statewide drought and the Executive Order accelerating the State's goal to reduce greenhouse gas (GHG) emissions. SWEEP provides matching grant funds to agricultural operations. It provides a unique opportunity for government and the private enterprise to jointly reduce agricultural water and energy usage. Ongoing: The California Solar Initiative is a partnership between the California Public Utilities Commission (CPUC), private utilities, and the general public. Its goal is to provide financial incentives to residential property owners, including low income, to install solar systems to reduce greenhouse gas emissions. The California Cybersecurity Task Force is a statewide partnership comprised of key stakeholders, subject matter experts, and cybersecurity professionals from California's public sector, private industry, academia, and law enforcement. Its primary mission is to reduce the likelihood and severity of cyber incidents that could cause damage to the State's economy, infrastructure, and computer networks.*	*In Progress*
Action 2018-004 – Assist Local Governments in Implementing Land Use Guidance and Best Practices for Reducing Vulnerability Within High Hazard Zones. *Comment: Numerous cities and counties in California have integrated their local hazard mitigation plans (LHMPs) with their general plan safety elements as outlined in SB 2140. In 2022, OPR published a Wildland Urban Interface (WUI) Planning Guide to highlight how local agencies across California can leverage plans, regulations, and additional tools to reduce risk in wildfire-prone areas. The guide features nine best practice case studies that offer opportunities for learning and solutions that may be suitable for adoption in other communities. This resource is available on the State's Adaptation Clearinghouse. Additionally, OPR has conducted outreach and technical assistance to local governments regarding SB 379 implementation, and tracks SB 379 implementation through its ResilientCA Adaptation Planning Map.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-005 – Incorporate Climate Change into Local, Regional, and Statewide Hazard Profiles, Risk Assessments, and Mitigation Plans. *Comment: A. SB 379 and SB 1035 require jurisdictions to update their safety element to address climate vulnerability and adaptation, and to update fire, flooding, and climate adaptation portions of the safety element every eight years upon the next housing element update.* *B. SB 1241 requires that jurisdictions in the State Responsibility Area and the Very High Fire Hazard Severity Zone address specific wildfire requirements in their safety elements.* *C. AB 747 and SB 99 added specific evacuation route requirements to the safety element.* *D. The Climate Adaptation Planning Grants Program is currently developing a program that will directly fund climate adaptation planning projects across California. The program plans to launch applications in the winter 2022.* *E. The ResilientCA Adaptation Planning Map (RAP-Map) on the Adaptation Clearinghouse inventories city and county progress toward integration of climate vulnerability and adaptation into local plans and is updated annually or as capacity allows.* *F. The 2020 Adaptation Planning Guide provides a step-by-step process to support local climate adaptation planning and is updated by Cal OES every three years, in coordination with OPR.* *G. The Climate Resilience Plan Alignment Toolkit published by OPR in the fall of 2022 supports the integration of climate resilience into local planning documents.* *H. OPR developed the Planning and Investing for a Resilient California guidebook to support integration of climate risk into State policy, decision making, and investments in response to EO B-30-15. OPR will update the guidebook in 2023-2024 to incorporate new information, best practices, and revised guidance on using the best available climate change science and data.* *I. OPR's General Plan Guidelines, last updated in 2017, have guidance on how to integrate climate resilience into general plan goals, policies, and programs. The safety element, environmental justice, and climate change sections of the guidelines (Chapters 4 & 8) in particular outline climate resilience considerations.* *J. In 2022, OPR published Wildfire Planning Technical Advisory in response to Senate Bills (SB) 901 and 2911 and Wildland Urban Interface Planning Guide.* *Note: OPR does not have regulatory authority over local planning, and thus cannot directly require incorporation of climate change into plans.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-006 – Enhance Collaboration on the Development and Sharing of Data Systems and Geographic Information System (GIS) Modeling. *Comment: This action item is an ongoing capability focused on streamlining the data collection and management process for the SHMP's Risk Assessment analysis. Additionally, this action item is working to develop an ArcGIS Online Hub site that will facilitate the sharing of relevant information to State and local partners. Some of the Risk Assessment data will be made available to local agency staff through the hub site. The hub site will provide local agency staff with a common source of information that they can use while developing their own local hazard mitigation plans. Specific tasks completed to support this action time include:* *Compiled GIS datasets that can be used to indefinity hazard locations.* *Combined demographic and residential parcel information to create a demographic profile of the population based on their home location.* *Merged residential parcels and the Social Vulnerability Index (SVI) data to identify the home locations of vulnerable populations.* *Identified buildable lands (currently vacant but buildable areas) from the statewide parcel dataset.* *Estimated the replacement cost of State-owned or -leased properties by combing information from the California Department of General Services (DGS)'s building dataset, the California Structure Inventory, and statewide parcel dataset. Currently, the combined Cal OES and Tetra Tech GIS team is working to complete the Risk Assessment analysis. We have created an ArcGIS Online share group to store and manage the relevant datasets. Once the first draft of the SHMP is complete, we will update the online hub site so the datasets can be accessible by the SHMP team using the share group. We will also create web mapping applications so that relevant data from each of the SHMP's chapters can be viewed online through the hub site.*	*Ongoing Capability*
Action 2018-007 – Support and Coordinate Monitoring of Progress on State Goals and Objectives: Set systematic near- and long-term mitigation targets and priorities. *Comment: The California Energy Commission tracks progress California is making in meeting its clean energy goals. Examples of indicators tracked include: energy efficiency, statewide energy demand, zero-emission vehicles, and reliance on coal, renewable energy, and once-through cooling. Mitigation targets were established within State legislation: SB 32 passed in 2016 establishes a target for greenhouse gas emission reductions; and the Sustainable Groundwater Management Act of 2014 establishes a target date for completion of required local plans.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-008 – Expand Mitigation Project Loss Avoidance Tracking through the State Mitigation Assessment Review Team (SMART) System: Conduct post-disaster onsite review and documentation of loss avoidance of mitigation projects using SMART. *Comment: Cal OES conducts loss avoidance analysis when natural hazard events test completed mitigation projects. Analysis led to full loss avoidance studies conducted on the 2019 Russian River Flood in Sonoma County and the 2020 SCU Lightning Complex Fire impacting the Lick Observatory in Santa Clara County. For 2023, Cal OES suggests modifying this action item to read: "Develop a database containing a description of the specific natural hazard event for which each project was designed to mitigate. These detailed "trigger events" describe the situation that will test the completed projects and include specific metrics." To this end, Cal OES has begun collecting trigger event descriptions in the new Hazard Mitigation Grant Program (HMGP) sub-application in the Engage Cal OES (Salesforce) platform.*	*Ongoing Capability*
Action 2018-009 – California Global Warming Solutions Act (AB 32): Reduce greenhouse gas emissions to 40% below 1990 levels by 2030. *Comment: The California Air Resources Board (CARB) is developing the proposed 2002 Scoping Plan with is scheduled for a vote and approval by CARB Board Members by the end of 2022. SB 32, passed in 2016 updates the previous GHG emission standards established in 2008 under AB 32. In addition to accelerating GHG reductions, it requires the California Air Resources Board (CARB) to adopt rules and regulations in an open public process to achieve the most technically feasible and cost-effective GHG reductions. In 2017, CARB released an update to the 2008 Scoping Plan, building on key programs to reduce GHG emissions in the energy-producing, transportation, agriculture and forestry sectors.*	*In Progress*

Action Item from Previous Plan	Status
Action 2018-010 – Interagency Coordination: Coordinate the activities of State agencies to improve air and water quality; protect natural resources and agricultural lands; increase the availability of affordable housing; improve infrastructure systems; promote public health; and assist State and local entities in the planning of sustainable communities and meeting AB 32 goals. Provide technical support and feedback on climate change issues to be addressed in the 2009 CA Water Plan Update. Review and develop policy and operational recommendations associated with the effects of climate change on fire preparedness and response planning. Provide guidance for agencies to incorporate and integrate climate change into all planning and investment decisions. Ensure the State's ability to adapt to climate change impacts on ocean and coastal resources. Facilitate coordination among State, regional and local agency efforts to adapt to the impacts of climate change. Provide a venue for cross- sector collaboration and information sharing on development of the Safeguarding California plan. *Comment: This action is supported by OPR.* *A. SB 1241* (Kehoe 2012) *requires wildfire updates to general plans, mandatory findings for subdivision approvals in SRA's and CHFHSZs, and California Environmental Quality Act (CEQA) checklist updates for wildfire safety. OPR's updated Fire Hazard Planning Technical Advisory, includes example general plan policies related to climate change and wildfire preparedness and response planning. This document will be updated not less than once every eight years.* *B. ICARP supports interagency coordination and capacity-building with respect to climate resilience through its public-facing Technical Advisory Council and interagency working groups at the agency deputy and program manager levels. These forums consider climate resilience across all sectors, supporting the State's all-of-government approach to climate action. They additionally institutionalize coordination and adapt to address emerging issues. The ICARP team, through these formal venues, and also through ad-hoc efforts, coordinates with other agencies on key initiatives or plan updates. The 2021 update to the California Climate Adaptation Strategy and the development of its first annual implementation report relied heavily on these interagency structures.* *C. ICARP developed the Planning and Investing for a Resilient California Guidebook in response to EO B-30-15. The Guidebook provides best practices to State agencies for considering climate risk in planning and investment decisions. ICARP plans to update this guidance within the next year.* *D. In 2021, OPR initiated the Conservation and Housing Educational Series in coordination with several other State agencies (HCD, California Department of Conservation [DOC], CARB). The goal of the series is to break down silos between conservation and housing programs, planning, and policy such that efforts in both arenas better support cross-sectoral needs and on-the-ground outcomes in service of State planning priorities; it is an internal, State agency-focused effort. With one year of monthly meetings completed, the steering committee is assessing future direction, which may involve developing a working group format to address identified challenges.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-011 – California Adaptation Strategy: Communicate current and needed actions State government should take to build climate change resiliency. *Comment: In early 2022, California released the 2021 update to the California Climate Adaptation Strategy. California is required by statute (AB 1482)* (Gordon 2015) *to issue a statewide strategy to adapt to the impacts of climate change every three years. Previous iterations of this Strategy have been referred to as "Safeguarding California." Previous updates were released in 2014 and 2018. The 2021 strategy builds on successful elements of previous strategies and reflects recent efforts to double down on protecting communities, our economy, and nature from the impacts of climate change. This update:* *A. Organizes the State's climate adaptation efforts around six outcome-based priorities for building resilience and increases our ability to measure progress.* *The Strategy shows how the State's existing, planned, and resourced climate adaptation efforts fit together to deliver on our six outcome-based priorities.* *These priorities reflect and reinforce regional climate resilience priorities, as they were explored and finalized through robust regional engagement with and in consultation with California Native American Tribal Nations.* *The Strategy also specifies timeframes and metrics to drive progress and enable accountability.* *B. Seeks to break down siloes and unify collective climate adaptation efforts across all sectors and regions.* *Shifting to an outcome-based approach sets strategic direction and reflects our efforts to drive coordinated and integrated approach to building climate resilience.* *This approach recognizes how climate adaptation is implemented on the ground and reflects our commitment to integrating climate resilience into the work of all State agencies.* *C. Makes it easier for Californians to understand and contribute to California's climate resilience agenda.* *The final Strategy is available as an interactive website that serves as a hub for State climate resilience action.* *This website will be updated to reflect progress and make adjustments and will allow for Californians to easily access information on our efforts.*	*Ongoing Capability*
Action 2018-012 – California Building Resilience Against Climate Change Effects Project (CalBRACE): Enhance the California Department of Public Health's (CDPH) capability to plan for and reduce health risks associated with climate change. *Comment: The Climate Change and Health Equity Program continues to work with various stakeholders to address health inequities on an ongoing basis. The CalBRACE project provides resources and technical assistance for State and local public health departments to build climate adaptation capacity and enhance resilience at the local and regional levels. CalBRACE is funded by the U.S. Centers for Disease Control and Prevention (CDC). This The Climate Change and Health Equity Program (CCHEP) works with local, State, and national partners to assure climate change mitigation and adaptation activities do not exacerbate health inequalities.*	*In Progress*

Action Item from Previous Plan	Status
Action 2018-013 – Climate Change Assessment: Produce periodic scientific assessments on the potential impacts of climate change in California. *Comment: The First Climate Change Assessment was released in 2006, focusing on potential impacts on key State resources. The Second Assessment, released in 2009, focused on economic impacts. The Third Assessment, released in 2012, made significant progress in projecting climate change impacts. The Fourth Assessment was the first inter-agency effort to implement the Climate Change Research Plan, published in 2015. The development of the Fifth California Climate Change Assessment is underway. Climate Change and Emergency Management in California is part of the Fourth Assessment. It includes a Critical Facilities Vulnerability Assessment (CFVA, and a component addressing transportation adaptation.*	*Ongoing Capability*
Action 2018-014 – Local Planning for Climate Change: Incorporate climate change adaptation and greenhouse gas emission reductions into local planning processes. *Comment: A. SB 379 and SB 1035 require jurisdictions to update their safety element to address climate vulnerability and adaptation, and to update fire, flooding, and climate adaptation portions of the safety element every eight years upon the next housing element update.* *B. SB 1241 requires that jurisdictions in the State Responsibility Area and the Very High Fire Hazard Severity Zone address specific wildfire requirements in their safety elements.* *C. AB 747 and SB 99 added specific evacuation route requirements to the safety element.* *D. The Climate Adaptation Planning Grants Program is currently developing a program that will directly fund climate adaptation planning projects across California. The program plans to launch applications winter 2022.* *E. The ResilientCA Adaptation Planning Map (RAP-Map) on the Adaptation Clearinghouse inventories city and county progress toward integration of climate vulnerability and adaptation into local plans and is updated annually or as capacity allows.* *F. The 2020 Adaptation Planning Guide provides a step-by-step process to support local climate adaptation planning and is updated by Cal OES every three years, in coordination with OPR.* *G. The Climate Resilience Plan Alignment Toolkit published by OPR in the fall of 2022 supports the integration of climate resilience into local planning documents.* *H. OPR developed the Planning and Investing for a Resilient California guidebook to support integration of climate risk into State policy, decision making, and investments in response to EO B-30-15. OPR will update the guidebook in 2023-2024 to incorporate new information, best practices, and revised guidance on using the best available climate change science and data.* *I. OPR's General Plan Guidelines, last updated in 2017, have guidance on how to integrate climate resilience into general plan goals, policies, and programs. The safety element, environmental justice, and climate change sections of the guidelines (Chapters 4 & 8) in particular outline climate resilience considerations.* *J. In 2022, OPR published Wildfire Planning Technical Advisory in response to senate bills 901 and 2911 and Wildland Urban Interface Planning Guide.* *Note: OPR does not have regulatory authority over local planning, and thus cannot directly require incorporation of climate change into plans.*	Ongoing Capability

Action Item from Previous Plan	Status
Action 2018-015 – Web Based Climate Change Tools: Provide a centralize source of climate change information and resources. *Comment: SB 246 (2015) directed OPR to coordinate and maintain the State Adaptation Clearinghouse. The web-based clearinghouse provides State, regional, and local planners access to the most current planning and technical assistance resources. The Resilient CA Adaptation Planning Map (RAP-Map) inventories local government climate risk, adaptation, and resiliency planning efforts across the State and tracks progress towards statewide adaptation planning goals. The online Adaptation Planning Guide (2020) provides guidance to local governments on local adaptation and resiliency planning and is integrated into the Adaptation Clearinghouse to enhance the usability of the guidance and related resources in the database. The online, interactive Climate Resilience Plan Alignment Toolkit on the Adaptation Clearinghouse provides guidance, best practices, and resources for local governments to align local planning and develop custom roadmaps for plan updates.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-016 – California Earthquake Loss Reduction Plan: Update the California Earthquake Loss Reduction Plan as required by the California Earthquake Hazards Reduction Act of 1986. *Comment: In June 2016, CSSC, in partnership with the Pacific Earthquake Engineering Center (PEER), issued a report discussing findings and priority recommendations organized by focus areas of the California Earthquake Loss Reduction Plan. The following recommendations are either ongoing or have not indicted progress as of September 2022: Priority Recommendation 1.1: Identify the locations of complex and integrated fault zones in the State, like the West Napa fault zone, and prioritize these for evaluation and mapping and potential designation as Alquist-Priolo Earthquake Fault Zones. Priority Recommendation 1.2: Evaluate the aggregate effects of current amendments and exemptions under the Alquist-Priolo Earthquake Fault Zone Act and accompanying regulations, and study ways to better regulate and fund geologic investigations and structural mitigation in Alquist-Priolo Earthquake Fault Zones. Priority Recommendation 2.1: Ensure that all State-required gas safety plans address the mitigation of system risks to seismic hazards. Priority Recommendation 2.2: Convene a State task force that includes local water and wastewater providers as well as fire departments across the State to identify vulnerabilities, mitigation options, and financial mechanisms to enhance the seismic resilience of local water and wastewater systems, particularly in areas vulnerable to widespread ground failure and that lack alternative water supplies for firefighting. Priority Recommendation 3.1: Work with FEMA, the California Building Officials, and other professional engineering and architectural organizations to: ensure that curricula for training and certification of safety assessors are effective and more widely implemented, particularly for local government personnel; improve protocols for deploying and compensating safety assessors; expand the use of Building Occupancy Resumption Programs; and grant safety assessment authority to the Division of the State Architect for public K-14 schools and State-owned buildings. Priority Recommendation 3.2: Work with the California Building Officials and professional engineering and architectural organizations, including the American Institute of Architects California Chapter and Structural Engineers Association of California, to develop guidance for local jurisdictions on effective coordination and management of post-earthquake safety assessment processes. Priority Recommendation 3.3: Develop guidance and training for local fire departments and building owners and operators on alternative procedures to safely turn off damaged sprinkler systems following earthquakes. Priority Recommendation 3.4: Evaluate and enhance, as needed, training and inspection materials for school districts and staff to seismically secure non-structural systems, equipment, contents, and furnishings in public and private schools Priority Recommendation 4.1: Establish a State task force to consider the risks posed to the State by the large proportion of uninsured residents and businesses in high-seismic hazard areas, and identify options for improving the take-up, affordability, and terms of earthquake insurance coverage for California residents and businesses, as well as alternative earthquake recovery funding sources for both residents and businesses. Priority Recommendation 4.2: Evaluate and enhance, as needed, penalties and other consumer protections against post-disaster scamming by contractors and cost inflation. Priority Recommendation 5.1: Strengthen seismic performance standards and contingency planning for all State and local correctional facilities Priority Recommendation 5.2: Review and revise, as needed, State regulations guiding the transfer and housing of inmates in county jails during times of emergency.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-017 – Earthquake Zones of Required Investigation: Ensure efficient, accurate, and reliable completion of the statewide Seismic Hazard Mapping Program. *Comment: Since 2018, the California Geological Survey (CGS) has released nine official Seismic Hazard Zone maps (liquefaction and earthquake-induced landslides) and five new and revised Alquist Priolo Earthquake Fault Zone maps. Additional maps are planned for release in 2023 and beyond. CGS continues to map basic liquefaction zones throughout California, with a focus on populated (high risk) areas. Over the next decade, as CGS completes mapping in the high-risk regions, additional mapping work will be conducted in disadvantaged and socially vulnerable communities. The mapping is resource and data intensive and will likely take over a decade to complete given current resources available.*	*Ongoing Capability*
Action 2018-018 – EQ Zapp: California Earthquake Hazards Zone Application: Create an easily accessible online mapping tool that includes mapped earthquake fault zones, seismic hazard zones, and areas susceptible to ground failure. *Comment: In 2018, CGS released EQZapp that includes Earthquake Fault Zones, Landslide Zones, and Liquefaction Zones: https://maps.conservation.ca.gov/cgs/EQZApp/. Funded by CGS internal funding.*	*Completed*
Action 2018-019 – Uniform California Earthquake Rupture Forecast (UCERF): Revise California earthquake probabilities; Prepare updated shaking hazard map of California. *Comment: Working with the U.S. Geological Survey (USGS), CGS provides support for updates to UCERF and the U.S. Geological Survey National Seismic Hazard Model (NSHM). The next NSHM update is scheduled for release in 2023.*	*In Progress*
Action 2018-020 – HAZUS Earthquake Loss Estimates: Update statewide annualized losses. *Comment: The previous work and existing annualized losses are still appropriate for use going forward. There are currently no plans to update the existing annualized losses referenced in the 2018 SHMP.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-021 – California Earthquake Early Warning System CEEWS) See Napa Earthquake Case Study: Rapidly detect the occurrence of an earthquake, estimate the level of ground shaking, and issue a warning before significant ground shaking begins. *Comment: California's State-wide EEW Program began in 2013 with SB 135 (Chapter 342, Statutes of 2013), which requires the California Governor's Office of Emergency Services (Cal OES) to implement a comprehensive EEW system in California in collaboration with other stakeholders. Since that time, Cal OES has built numerous partnerships, including with the California Institute of Technology (Caltech), the California Geological Survey (CGS), the University of California (UC), the United States Geological Survey, and the Alfred E. Alquist Seismic Safety Commission (SSC).* *Cal OES has worked with these and other partners to build out a network of seismic stations, which is now 100% funded and nearly 80% completed; researched and built multiple pathways to distribute EEW alerts, including the MyShake alerting app that has been downloaded over 1.9 million times; and conducted outreach and education campaigns to recruit system users and train them in how to react to an EEW alert. The future for the program includes the continued promotion of earthquake preparedness, maintenance and innovation of EEW system operations, and creating a safer California by implementing and integrating the CEEWS statewide in key industries and critical sectors to enhance and strengthen community resiliency through the adoption of automated actions and responses.*	*Ongoing Capability*
Action 2018-022 – Delta Liquefaction Hazard: Map liquefaction hazard of native geologic materials in the Sacramento-San Joaquin Delta region. *Comment: Completed for Contra Costa County. In 2021, CGS completed Seismic Hazard Zone maps (including liquefaction) for Contra Costa County, funded by CGS Seismic Hazards Mapping Act funding. Areas of the Delta outside of Contra Costa County will be evaluated at a future, to be determined, date. Note: DWR may be working on this effort for other parts of the delta.*	*Completed*
Action 2018-023 – LIDAR Fault Mapping: Examine the utility of high- resolution LIDAR topographic data for mapping active faults. *Comment: Lidar is being used extensively in the mapping of active faults in California. A map of fault ruptures from the 2019 Ridgecrest earthquake sequence will be released in 2023. CGS anticipates lidar will be utilized for nearly all planned fault mapping.*	*In Progress*
Action 2018-024 – Remote Sensing Fault Mapping: Examine the utility of airborne hyper-spectral remote-sensing imagery for mapping active faults. *Comment: Completed in 2018. CGS evaluated the use of hyperspectral imagery in updating the Earthquake Fault Zone Map of the Mescal Creek area along the San Andreas fault. Funded using internal CGS funds.*	*Completed*

Action Item from Previous Plan	Status
Action 2018-025 – California Vital Infrastructure Vulnerability Assessment: Develop and test a methodology for assessing the vulnerability of State-owned building stock to seismic and other hazards and determine minimum retrofit measures to protect occupants from harm and facilitate recovery. *Comment: The Cal VIVA Project had three phases, the last of which was wrapped up in 2013. This tool was shared with State agencies for their own use in assessing their vital infrastructure. Due to the sensitivity of the information being collected, it was agreed upon that each agency would store this information for their own use, so there is not a centralized database for this information. This project was a phased project that was funded by both federal National Earthquake Hazards Reduction Program (NEHRP) and HMGP funds and was completed and closed out in 2013 with a final report. There has been no additional follow up on the project and the tool at this point is very out of date and not in sync with current technologies and available information.*	*Completed*
Action 2018-026 – State Building Retrofits: Identify and retrofit seismically deficient State-owned buildings. *Comment: Due to current lead agency staff changeovers and the lack of an alternate agency willing to lead the initiative, this action has been removed.*	*Discontinued*
Action 2018-027 – California State University (CSU) Retrofits: Reduce unacceptable seismic risk of existing buildings and manage current construction programs to limit future seismic risk. *Comment: The California State University System continues its vigorous program to reduce seismic risk to acceptable levels.*	*Ongoing Capability*
Action 2018-028 – UC Retrofits: Conduct seismic review to identify and set priorities for hazard mitigation. *Comment: Due to current lead agency staff changeovers and the lack of an alternate agency willing to lead the initiative, this action has been removed.*	*Discontinued*
Action 2018-029 – Seismic Evaluation of Single-Family Dwellings: Develop comprehensive guidelines for evaluating and seismically retrofitting single-family dwellings. *Comment: The first edition of the California Building Code (CBC) to establish standards for the retrofit of single-family dwellings with cripple walls less than 4 feet was adopted in 2010. Research is underway to establish standards for additional types of residential construction which may trigger revisions to further CBC updates. In 2012, FEMA produced P-50, Simplified Seismic Assessment of Detached Single-Family Wood Frame Dwellings, and P-50-1 Seismic Retrofit Guidelines. Since 2015, over 250 seismic inspection professionals have completed the training. In 2016, the California Earthquake Authority (CEA) developed a web-based application based on P-50. Ongoing: In 2019, FEMA produced P-1100, Vulnerability-Based Seismic Assessment and Retrofit of One- and Two-Family Dwellings. CEA is working closely with FEMA and the International Code Council (ICC) to adopt the guidelines as industry standards, paving the way for adoption into California's building code. Additionally, by creating a uniform seismic-retrofit-design method for homeowners, contractors, and engineers, the new guidelines will help CEA and others (1) establish and expand incentive programs to encourage seismic retrofits, such as that of the California Residential Mitigation Program, and (2) enhance CEA's ability to develop and provide suitable mitigation discounts for CEA-insured homeowners.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-030 – California Earthquake Authority (CEA) Grants: Provide financial support to homeowners to retrofit single-family residences. *Comment: The Earthquake Brace + Bolt (EBB) Program was initiated in 2013. The EBB Program provides up to $3,000 per residential unit for seismic residential retrofitting. Since 2013, the program has issued grants to 17,313 homeowners. Beginning in 2022, the addition of supplemental grants provide income-eligible homeowners with additional funding for seismic retrofits over and above the $3,000 grant. Funding has been collectively provided through the CEA Loss Mitigation Fund, the State of California and through FEMA HMGP grants. Please carryover Action to 2023 plan update.*	*In Progress*
Action 2018-031 – Non-Ductile Concrete Buildings: Implement retrofit programs for non-ductile concrete buildings subject to severe damage or collapse in an earthquake. Voluntary program to canvass cities and counties throughout the State to determine how many pre- 1976 non-ductile concrete buildings may exist within each jurisdiction. *Comment: As of November 2022, 12,433 soft-story buildings have been identified. 95 percent have submitted plans within the two-year compliance date, 83 percent have permits issued within the three and a half-year compliance date, and 67 percent have obtained certificates of compliance within the seven-year compliance date.*	*Ongoing Capability*
Action 2018-032 – Unreinforced Masonry (URM) Buildings: Reduce the risk of life loss, injury, and collapse of unreinforced masonry buildings at the local level. *Comment: In 1979, a law encouraged local governments to enact URM retrofit ordinances that allowed less strength and stiffness than for new construction (19160–65 H&S Code). The law also provided a 15-year grace period to prevent local governments from requiring additional retrofits within that timeframe (19166 H&S Code). A more comprehensive URM Law in 1986 required local governments in regions of high seismicity (old Zone 4) to inventory URM buildings, to establish a risk reduction program that, at minimum, notified owners, and to report information on retrofit progress to the State's Seismic Safety Commission. Reporting continued until 2006 when budget cuts eliminated the program. Local government was responsible to establish a risk reduction program and to report information on retrofit progress to SSC. The last report was in 2006.*	*Discontinued*
Action 2018-033 – Mobile Homes: Adopt regulations to improve the structural and lateral stability of manufactured housing. *Comment: Regulations became effective in April 2013 that apply the current California Residential Code structural standards to any alteration of a manufactured home built after 1958. The Manufactured Housing regulations can be found in California Code of Regulations, Title 25, Division I, Chapter 3, Subchapter 2, commencing with section 4000. These regulations establish minimum design and construction standards for all multifamily manufactured homes and mobile homes built before June 15, 1976, and commercial modular and special purpose commercial modulars to be sold, rented, or leased throughout the State. These regulations are preemptive over any local requirements. Manufactured homes constructed on or after June 15, 1967, are subject to federal laws and regulations. Alteration of existing manufactured homes bearing or required to bear a U.S. Department of Housing and Urban Development (HUD) label; multifamily manufactured homes, and mobile homes built on or before June 15, 1976; commercial modulars and special purpose commercial modulars bearing or required to bear a department insignia are subject exclusively to Department regulation, plan review, and inspection throughout the State regardless of their location.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-034 – Marine Oil Terminal Engineering and Maintenance Standards (MOTEMS): construction, inspection, maintenance, and repair of marine oil terminals piers, wharves, and other waterfront facilities. *Comment: MOTEMS was updated in 2016. The MOTEMS Audit Manual was developed to assist marine oil terminal operators to comply with the revised standards.*	*Completed*
Action 2018-035 – Highway Bridge Retrofits: Evaluate and seismically retrofit State highway bridges and overpasses to prevent collapse in major earthquakes. *Comment: By 2022, 2,194 State bridges previously determined to need seismic retrofitting have been retrofitted for an estimated cost of $2.54 billion. The Division of Engineering Services, Offices of Earthquake Engineering Analysis and Research and Geotechnical Services, continually conduct periodic rescreening of State bridges to assess the structures for seismic vulnerabilities using the most current seismic criteria.*	*Completed*
Action 2018-036 – The Great California ShakeOut Earthquake Drill and Public Readiness Initiative: Conduct statewide emergency preparedness. Mitigation and response activities to include multiple levels of government, the private sector, and the public. *Comment: The Great California ShakeOut is an on-going activity that occurs annually on the 3rd Thursday of October. This annual exercise is an opportunity to raise awareness of California's earthquake hazard and educate the public on protective actions, that when implemented, can reduce the potential for death and injuries during an earthquake. Federal, State, and local governments partner with schools, businesses, NPOs, neighborhoods, families, and individuals to encourage participation in the annual ShakeOut exercise, which has expanded throughout the world. In addition, the aforementioned partners work in ongoing collaboration to conduct outreach and education regarding mitigation measures that can be taken in advance of an earthquake to reduce risk.*	*Ongoing Capability*
Action 2018-037 – Landslide Inventory Maps: Continue to map earthquake induced landslides through the Seismic Hazards Mapping Program. *Comment: CGS continues to prepare basic landslide inventories and seismically induced landslide hazard zones throughout California, with a focus on populated (high risk) areas. Over the next decade as CGS completes mapping in the high-risk regions, additional mapping work will be conducted in disadvantaged and socially vulnerable communities. The mapping is resource and data intensive and will likely take over a decade to complete given current resources available.*	Ongoing Capability
Action 2018-038 – Post-Fire Runoff & Debris Flows: Develop regional modeling to assess potential effects of post-fire runoff. Develop an early warning system for post-fire flash floods and debris flows. *Comment: The Department of Water Resources issued a report entitled the Assessment of Post-Fire Runoff Hazards for Pre-Fire Mitigation Planning – Southern California. Regional modeling of burn areas around the State is being conducted by State and federal agencies. USGS and the National Oceanic and Atmospheric Administration (NOAA) have developed a demonstration early warning system for recently burned areas in Southern California.*	*In Progress*

Action Item from Previous Plan	Status
Action 2018-039 – Volcano Hazard Vulnerability Assessment *Comment: In 2018, the U.S. Geological Survey, in cooperation with the California Governor's Office of Emergency Services and the California Geological Survey, published "California's Exposure to Volcanic Hazards (Scientific Investigations Report 2018-5159)". The report provides a broad perspective on the State's exposure to volcanic hazards by integrating volcanic hazard information with geospatial data on at-risk populations, infrastructure, and resources. This information is intended to prompt site- and sector-specific vulnerability analyses and preparation of hazard mitigation and response plans.*	*Ongoing Capability*
Action 2018-040 – Flood Control System Deficiencies in Central Valley: Produce a Descriptive Document to inventory the facilities and operations associated with State and Federal flood control works, and a Flood Control System Status Report to assess the status of that inventory. *Comment: Underway, updated every five years*	*In Progress*
Action 2018-041 – Flood Risk Mapping: Adopt a schedule for mapping flood risk areas in the Central Valley and prepare/approve levee flood protection zone (LFPZ) maps. Provide yearly notices to owners of property in a levee flood protection zone. *Comment: DWR continually makes updates to the levee flood protection zone maps based on local input and improved data/tools. DWR continues to send out approximately 300,000 letters to property owners based on these maps. The letters promote flood risk awareness by encouraging property owners to purchase flood insurance and develop a plan on where to evacuate to in case of a flood.*	*Ongoing Capability*
Action 2018-042 – Land Use Planning and Management: Control future development in floodplains and flood- prone areas, in conformance with the Central Valley Flood Protection Plan (CVFPP). *Comment: Local agencies are required to provide the Central Valley Flood Protection Board (CVFPB) a 200-year level of protection finding in order to proceed on new development. Sutter Butte Flood Control Agency provided a finding in this cycle marking the completion of their Feather River Flood Risk Reduction Project. There are other urban agencies such as Sacramento that have not yet provided a 200-year level of protection finding to the State.*	*Ongoing Capability*
Action 2018-043 – Flood Legislation Planning Assistance: Provide planning assistance to local governments in implementing the five flood legislation bills passed in 2007. *Comment: Two documents were prepared in 2007 to assist local governments in complying with legislated requirements: California Flood Legislation Summary and California Flood Legislation Companion Reference. The third document, Local Land Use Planning: Handbook for Communities Implementing Flood Legislation – October 2010 describes legislation requirements affecting city and county local planning responsibilities.*	*Completed*
Action 2018-044 – Flood Management: FloodSAFE California, launched in 2006 is a multi-faceted program to improve public safety through integrated flood management. *Comment: The FloodSAFE Strategic Plan: Public Draft was released in May 2008. It contains twelve Foundational Objectives with target dates for completion extending to 2025.*	*Completed*

Action Item from Previous Plan	Status
Action 2018-045 – California's Flood Future: Assess statewide exposure to flood risk, identify, and address the barriers to improved flood management. *Comment: California's Flood Future: Recommendations for Managing the State's Flood Risk was developed by DWR in partnership with the U.S. Army Corps of Engineers (USACE) as a companion plan to the 2013 California Water Plan Update. The document concludes with seven recommendations for State and federal assistance to reduce the risk and consequences of flooding. DWR is developing a companion report Investing in California's Flood Future: An Outcome-Driven Approach to Flood Management, to guide future capital flood management and risk reduction projects.*	*In Progress*
Action 2018-046 – Flood Management System Planning and Programs: Improve flood management across the State. *Comment: California's Flood Management System includes five integrated program areas: Flood Management Planning; Floodplain Risk Management; Flood Risk Reduction Projects; Flood System Operations and Maintenance; and Flood Emergency Response.*	*Ongoing Capability*
Action 2018-047 – Central Valley Flood Protection Plan (CVFPP): Update and implement recommendations and planning requirements outlined in the CVFPP. *Comment: The CVFPP is California's strategic blueprint to improve flood risk management in the Central Valley. The first plan was adopted in 2012. The updates to the plan are adopted every five years. The 2022 update is on cycle and will be adopted in October 2022.*	*Ongoing Capability*
Action 2018-048 – California Water Plans: Ensure reliable water supplies and foundational actions for sustainable water use in California. *Comment: The 2023 update of the California Water Plan will identify specific outcomes and metrics to track performance, prioritize near-term State actions and investments, recommend financing methods having more stable revenues, and inform water deliberations and decisions as they unfold.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-049 – National Flood Insurance (NFIP) Compliance: Work with local floodplain managers to promote participation in and ensure compliance with the NFIP to update community's Flood Insurance Rate Map (FIRM). *Comment: This action will be the responsibility of DWR in the 2023 plan.* *As of October 2022, 99 percent (528) CA communities currently participate in the NFIP.* *DWR worked with the California Building Commission and FEMA and developed California Building Code-Coordinated Floodplain Management Model Ordinances to help California communities adopt local regulations that are written to work with the flood provisions of the California Building Standards Code (CCR Title 24) for buildings and structures in Special Flood Hazard Areas (SFHAs).* *DWR coordinates with FEMA and conducts Community Assistance Visits (CAV) and Community Assistance Contacts (CAC). A CAV consists of reviewing floodplain management ordinances, a tour of the floodplain, reviewing permit processes, reviewing as-builts and elevation certificates to ensure compliance with the NFIP, and meetings with the local appointed and elected officials. DWR works with communities to help bring their program into compliance with NFIP and CA requirements. DWR also provides NFIP training and NFIP technical assistance on the flood zones and the base flood elevation determinations, mapping, elevation certificates, flood insurance, the Community Rating System (CRS), CA Building Standards, and the California Floodplain Management Model Ordinance.* *DWR provides floodplain management information and updates through newsletters and emails to our CA Floodplain Management Administrators. DWR attends ASFPM and Flood Mitigation Assistance (FMA) conferences annually and provides NFIP trainings and presents NFIP and floodplain management related information.*	*Ongoing Capability*
Action 2018-050 – Sea-Level Rise Guidance: Provide guidance on factors to consider in projecting sea- level rise, potential impacts, and adaptation strategies. *Comment: In 2023, the Ocean Protection Council (OPC) will release the new update to Updated Sea-Level Rise Technical Guidance. The document synthesizes statewide sea-level rise science and projections, as well as applicable adaptation strategies for managers and practitioners. In 2018, the OPC released the Sea-Level Rise Adaptation Guidance, based on the 2017 Rising Seas in California Update on Sea-Level Rise Science. This new update with include the most up-to-date total water level projections, flood days, and applicable adaptation guidance and strategies for practitioners and managers. This update occurs every five years and is already fully funded. The 2018 Coastal Plan Alignment Compass, hosted on the State Adaptation Clearinghouse, provides guidance and resources on integrating various local planning initiatives to mitigate sea-level rise and coastal flooding. The Coastal Compass will be updated in 2023. OPR Climate Services staff support implementation of the State Sea-Level Rise Action Plan, coordinated by the Ocean Protection Council, and support updates to OPC and Coastal Commission guidance documents on sea-level rise.*	*In Progress*

Action Item from Previous Plan	Status
Action 2018-051 – State Agency Adaptation Planning: Assess vulnerability of State assets to sea-level rise, changing weather patterns, extreme weather events, and develop adaptation strategies to address potential impacts. *Comment: In 2019 the Climate Change Branch completed 12 District statewide vulnerability Assessments (Assessments). The Assessments included mapping of 6 major climate stressors: sea-level rise, storm surge, coastal bluff erosion, and changes in temperature and precipitation. To advance adaptation and resiliency efforts, the Climate Change Brach developed District Climate change Adaptation reports based on the Vulnerability Assessments. The Climate Change Branch has been in close coordination with all 12 Districts to prioritize adaptation projects in coordination with asset management and project delivery. Currently an update to the 2019 vulnerability assessments is in progress. The California Department of Transportation (Caltrans) has moved the Office of Vegetation and Wildfire Management into the new sub-division of Emergency Operations and Vegetation Management which with the Major Damage and Restoration Branch under the Office of Emergency Management will work with the Office of Air Quality and Climate Change to build a more resilient transportation system to address the State's environmental and technological hazards.*	*Ongoing Capability*
Action 2018-052 – San Francisco Bay Conservation and Development District (BCDC) Climate Change Planning Program: Provide scientific information and planning resources to Bay Area local jurisdictions. *Comment: BCDC launched ART Portfolio, a place to find planning guidance, tools, and information that have been developed, tested, and refined by the Adapting to Rising Tides Program to address the specific challenges of climate change. BCDC continues to partner with local, State, and federal agencies to develop and disseminate sea-level rise information and planning tools.*	*Ongoing Capability*
Action 2018-053 – Local Climate Adaptation Planning: Support sea-level rise adaptation planning by local jurisdictions. *Comment: In October 2016, the Department of Water Resources (DWR) published a document entitled National Flood Insurance Program in California Quick Guide Coastal Appendix: Planning for Sea-Level Rise. The document supports floodplain managers in addressing potential sea-level rise impacts for their communities. The Local Coastal Program (LCP)/Local Assistance Grant Program provides funds to support local governments in completing or updating their Local Coastal Programs.* *The program has awarded 45 grants since its inception in FY 2013/14. The Coastal Flood Risk Reduction Program awarded 5 grants totaling $23.9 million in July of 2021.*	*Completed*
Action 2018-054 – Reducing Tsunami Hazards and Risks: Support and provide matching funds for development of improved technologies and methodology to assess tsunami risk. *Comment: Working with partners such as Cal OES, CGS continues to support the development of improved models and products for tsunami mitigation. Products include Tsunami Hazard Area maps for evacuation planning and maritime tsunami response plans. In progress are Tsunami Hazard Zone and Tsunami Hazard Engineering Subzone maps. These maps, as well as guidance documents for implementing requirements of the Seismic Hazards Mapping Act (SHMA), will be released once the SHMA regulations are adopted by the California State Mining and Geology Board (SMGB) (anticipated 2023). Funded by FEMA, Cal OES, and CGS.*	Ongoing Capability

Action Item from Previous Plan	Status
Action 2018-055 – Understanding Tsunami Probability: Improve the understanding of tsunami hazards in California through coordinated research. *Comment: The State Tsunami Program has completed a set of PTHA maps representing risk levels from 100-year to 3000-year average return periods (ARP). Analyses using these probabilistically based products allow for a more common platform for comparison to other seismic and flood probabilistic analyses. CGS continues to support the development of models for distant and locally generated tsunamis, funded through FEMA.*	*Ongoing Capability*
Action 2018-056 – Tsunami Mitigation and Preparedness Planning: Develop loss estimation models to compute potential impacts from tsunamis. Provide site-specific harbor and pier improvements, engineering recommendations, and cost- benefit assessments. Develop planning and technical assistance resources to support tsunami evacuation planning. *Comment: The California Tsunami Program, a partnership of the Cal OES Tsunami Program and the California Geological Survey Tsunami Program, is developing loss estimation models to compute potential impacts from tsunamis. This information along with the harbor and pier improvement reports are resources for local partners (counties, cities, and harbor districts) for response and mitigation planning. These projects are on-going and updated as modeling and technology capabilities improve, and as we receive requests from our local partners for this information as they update their local plans.*	*Ongoing Capability*
Action 2018-057 – Tsunami Building Codes: Address tsunami loads and develop design standards for critical and essential facilities. *Comment: The American Society of Civil Engineers (ASCE) Subcommittee 7-16 on Tsunami Loads and Effects has completed analysis and design standards and Tsunami Design Zones that have been adopted by the California Building Code (CBC); an update of the standards and Zones have been completed by the California Geological Survey for ASCE 7-22 and will be likely adopted into the CBC with the year. These standards apply to essential and critical facilities/structures and address structural response to tsunami wave loading, tsunami wave-loading forces for design purposes, non-structural element response to wave loading, and dynamic effects of tsunami wave travel throughout a built environment. These tsunami design load standards have been adopted during the building code cycle (2019) and will be applied to critical and essential buildings (Risk Category 4 and 3). They may also apply to some other high-occupancy structures (Risk Category 2).*	*Completed*
Action 2018-058 – Levee Evaluation and Repair: Evaluate and upgrade aging and deteriorating levees along the Sacramento and San Joaquin River Valleys and Delta. Funding is provided through Propositions 84 and 1E. *Comment: To date, nearly 250 levee repair sites have been identified with repairs to more than 100 critical sites completed. DWRs Levee Evaluation Program includes the Urban Levee Geotechnical Evaluations (ULE) Project and the Non-Urban Levee Evaluations (NULE) Project. The Urban/Non-Urban Levee Evaluations Cost Analysis Tool helps flood managers develop accurate estimates for levee repair.*	*Completed*

Action Item from Previous Plan	Status
Action 2018-059 – Delta Levees Program: Provide funding to local agencies in the Sacramento- San Joaquin for levee maintenance and improvement and for habitat mitigation and enhancement. *Comment: The Delta Levees Program addresses approximately 1100 miles of levees and supports the efforts with local agencies in the Delta.*	*Ongoing Capability*
Action 2018-060 – Local Levee Assistance: Provide funding to local agencies outside the Sacramento-San Joaquin Delta. *Comment: DWR established this program to assist local agencies with flood risks throughout the State.*	*Completed*
Action 2018-061 – Cascading Hazards Evaluation: Review and evaluate earthquakes and high water as hazards to Delta levees. *Comment: In July 2016 the Delta Independent Science Board convened a workshop. The potential for liquefaction due to earthquakes and potentially higher water levels due to climate change were identified as primary issues.*	*Completed*
Action 2018-062 – California DWR's Division of Safety of Dams (DSOD) ensures dam safety by: Reviewing and approving dam enlargements, repairs, alterations, and removals to ensure that the dam appurtenant structures are designed to meet minimum requirements. Performing independent analyses to understand dam and appurtenant structures performance. Overseeing construction to ensure work is being done in accordance with the approved plans and specifications. Inspecting dams that are significant hazard or higher every year and low hazard dams every two years to ensure they are safe, performing as intended, and not developing issues. Reviewing and approving inundation maps for dams and their appurtenances that are incorporated into Emergency Action Plans (EAPs). Periodically reviewing the stability of dams and their major appurtenances in light of improved design approaches and requirements, as well as new findings regarding earthquake hazards and hydrologic estimates in California. *Comment: DWR's Division of Safety of Dams oversees the regulation of approximately 1240 jurisdictional dams that include (as of September 2022); 265 Extremely High-Hazard dams, 460 High-Hazard dams, 144 Significant Hazard dams, and 370 Low Hazard dams. DSOD continually updates the condition assessments of all jurisdictional dams which includes 1125 dams with a condition assessment rating of satisfactory, 87 dams with a rating of Fair, 24 dams with a rating as Poor, and one dam with a rating of Unsatisfactory. Hazard Classification and condition assessment definitions are on DSOD's website at: https://water.ca.gov/damsafety/. DSOD has implemented reservoir restrictions on approximately 75 dams.*	*Ongoing Capability*
Action 2018-063 – EAPs: Create EAPs based on updated inundation maps for dams having high or extremely high hazard ratings. *Comment: 847 dams are required to submit EAPs to Cal OES. As of September 22, 2022, 713 EAPs have been submitted to Cal OES with an approved Inundation Map. 301 EAPs have been approved.*	*In Progress*

Action Item from Previous Plan	Status
Action 2018-064 – Legislation for Local Wildfire Hazard Planning: Incorporate wildfire hazards into development and land use planning as stated in California Government Code 65302.g.3 66474.02. and CEQA. *Comment: SB 1241, passed in 2012 requires wildfire updates to general plans, mandatory findings for subdivision approvals in SRA's and VHFHSZs, and CEQA checklist updates for wildfire safety. In response to Senate Bill 901 (2018) and Assembly Bill 2911 (2018), OPR updated its Fire Hazard Planning Technical Advisory to include "specific land-use strategies that reduce fire risk to buildings, infrastructure, and communities". The update also helps communities conduct outreach and engagement activities to promote more robust and collaborative wildfire solutions, conduct comprehensive wildfire hazard and risk assessments, align and integrate these assessments across a variety of plans, and develop general plan policies and programs that reduce risk for existing and future communities. OPR released a Public Draft of the updated Technical Advisory in November 2020. The final version, released in August 2022, includes revisions in response to stakeholder feedback along with other minor edits. OPR will continue to update this document no less than once every eight years.*	*Ongoing Capability*
Action 2018-065 – Fire Hazard Severity Zones: Map areas of significant fire hazards based on fuels, terrain, weather, and other relevant factors to define the application of various mitigation strategies to reduce risk in accordance with Public Resource Code 4203 (a) and Government Code 51178. *Comment: CAL FIRE is currently in the review and adoption process for State Responsibility Areas (SRA) to be completed in early 2023. CAL FIRE will transmit recommendations to Local Jurisdictions for local adoption in early in 2023*	*In Progress*
Action 2018-066 – Strategic Fire Plan for California: The Strategic Fire Plan forms the basis for assessing California's complex and dynamic natural and man-made environment and identifies a variety of actions to minimize the negative effects of wildland fire. The California Strategic Fire Plan for California has a vision for a natural environment that is more fire resilient; buildings and infrastructure that are more fire resistant; and a society that is more aware of and responsive to the benefits and threats of wildland fire; all achieved through local, State, federal, Tribal, and private partnerships. *Comment: The 2018 Strategic Fire Plan for California was approved by the Board of Forestry and Fire Protection in August of 2018. It contains seven goals that may be implemented within any timeframe based on available funding.*	*Completed*
Action 2018-067 – Forest and Range Assessment: Identify and evaluate wildland fire hazards and the associated values and assets at risk. Facilitate the sharing of all analyses and data collections across all ownerships for consistency in type and kind. *Comment: Forest and Range Assessment Report was completed on 2017/2018. An update to the report is currently being developed and expected to be completed by December of 2023. The report meets both a State and Federal Mandate to assess status and trend of forest resources.*	*Completed*

Action Item from Previous Plan	Status
Action 2018-068 – FireSafe Councils: Increase awareness, knowledge, and actions implemented by individuals and communities to reduce human loss and property damage from wildland fires, such as defensible space, fire prevention and fire safe building standards. *Comment: Since 2021 CAL FIRE has partnered with the California Fire Safe Council (CFSC) by providing direct award funding for two important endeavors, defensible space and county coordinators. CFSC uses the money to provide defensible space work around individual homes. They also fund a single position in counties across the State to ensure communication across stakeholders to ensure funding opportunities are not missed and work is being conducted in a strategic manor. In California the Firewise USA Program has grown and currently leads the nation with over 550 active Firewise communities as of 2022. The next closest state is Oregon with just over 250 active communities. The growth of communities is due to two main reasons; homeowners taking an active role to protect their families, homes, and communities from wildfire, while also seeking insurance premium discounts from their insurance carriers, if offered. The growth trend is expected to continue upward as the intensity and frequency of wildfires continue throughout the State along with homeowners seeking to insure their homes which is generally their largest financial asset.*	*Ongoing Capability*
Action 2018-069 – Post-Fire Assessment: Address post-fire responsibilities for natural resource recovery including watershed protection, reforestation, and ecosystem restoration. *Comment: The Recovery Support Functions (RSFs) were established by Cal OES late 2018/early 2019. This mitigation action ties to a goal outlined in the Strategic Fire Plan that was undertaken by the Board of Forestry and Fire Protection in 2016. Related progress from Governor's Executive Order S-07-08 (2008) supporting post-fire assessment services via State emergency assessment teams in coordination with the federal BAER teams include: the 2018 Strategic Fire Plan update; the establishment of the California Wildfire and Forest Resilience Task Force and the Wildfire and Forest Resilience Action Plan; the California Silver Jackets After Wildfire: A Guide for California Communities; the Flood After Fire California Toolkit: A Resource for Technical Specialists to Assess Flood and Debris Flow Risk After a Wildfire; and ongoing work by the Office of Planning and Research including the Fire Hazard Planning Technical Advisory and the WUI Planning Guidance.*	*Ongoing Capability*
Action 2018-070 – Community Wildfire Protection Plans (CWPP): Identify hazardous fuel reduction treatment priorities, recommend measures to reduce structural ignitability and address issues such as wildfire response, hazard mitigation, community preparedness and structure protection. *Comment: CWPPs are produced in collaboration with public fire agencies and affected non-governmental interests (especially local community residents).*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-071 – Initiatives and Technology: Mitigating the spread of invasive pests. *Comment: The California Firewood Task Force has focused on promoting the Buy It Where You Burn It campaign since 2011 to increase public awareness about invasive tree pests being transported via long distance firewood movement. "Buy It Where You Burn It – Don't Move Firewood" outreach efforts partnering with several county, State, and federal agencies. Additionally, the Invasive Species Council of California and related California Invasive Species Advisory Committee continues to educate the public about invasive species and their impacts to our agriculture, natural resources, and unique biodiversity. Finally, our "Don't Pack a Pest" outreach effort is targeting the international traveler urging them to declare their agricultural items, "Don't Pack a Pest when traveling or mailing packages".*	*Ongoing Capability*
Action 2018-072 – Air Quality/Pollution Monitoring: CalEnviroScreen *Comment: The Office of Environmental Health Hazards Assessment (OEHHA) developed and maintains the CalEnviroScreen mapping tool to help identify California communities disproportionately impacted by sources of pollution. The California Environmental Health Tracking Program, along with academic partners, initiated a community-based effort to place air monitoring equipment to identify pollution "hot spots"*	*Ongoing Capability*
Action 2018-073 – Air Pollution Planning: Incorporate Environmental Justice into General Plans *Comment: Government Code 65302(h) requires, as of 2018, all jurisdictions with a disadvantaged community to include an Environmental Justice element in their next General Plan update or update of two elements concurrently. In 2020, OPR published a General Plan Guidelines Technical Advisory on the Environmental Justice element.*	*Ongoing Capability*
Action 2018-074 – Marine Invasive Species Act: Reduce the introduction of invasive species transported through vessel ballast water. *Comment: Vessels arriving in California ports are required to submit a Ballast Water Management Report. Additionally, regulations to manage biofouling were implemented in 2017.*	*Ongoing Capability*
Action 2018-075 – State Water Efficiency and Enhancement Program (SWEEP): Reduce agricultural water usage through installation of more efficient irrigation practices. *Comment: SWEEP, a competitive grant program, was initiated in 2014. The California Department of Food and Agriculture (CDFA) has selected 1,130 projects to be awarded, covering over 168,000 acres. $123 million has been awarded to date (2022), with more than $70 million in matching funds contributed by awardees.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-076 – Water Supply: Improve potable water supply to areas dependent on well water. *Comment: A partnership of State and local agencies, working to help homeowners affected by California's multi-year drought, finished connecting 755 homes to a safe, reliable, permanent water supply. All households participating in the East Porterville Water Supply Project have now been connected to the City of Porterville's municipal water system. Hundreds of residential wells in the small, unincorporated community of East Porterville in Tulare County became dry or contaminated during California's recent five-year drought. Homes without access to safe potable water received deliveries of tanked water and bottled water. In response to the 2012-2016 drought, East Porterville, a socially vulnerable community, was connected to a permanent source of potable water, eliminating its reliance on groundwater supplies in future droughts.*	*Completed*
Action 2018-077 – Groundwater Management Plan: Strengthen local control and management of groundwater basins. *Comment: The Sustainable Groundwater Management Act was passed into law in September 2014. It requires local jurisdictions with medium and high priority basins to develop Groundwater Sustainability Plans within 20 years.*	*Ongoing Capability*
Action 2018-078 – Local Storm Water Management: Capture storm water and redirect it for ground water recharge which will offset increased groundwater use during drought years. *Comment: Los Angeles County is in the process of updating the county's stormwater infrastructure in order to capture an additional 33 billion gallons of storm water flowing out to the ocean and redirect it for groundwater recharge. The program's goal is to improve and optimize the county's existing flood protection and water conservation systems through a capital improvement program for new infrastructure. Due to changes in staffing, specific project update details are unknow. This in an ongoing project and should be included in the plan update.*	*Ongoing Capability*
Action 2018-079 – California Drought Contingency Plan: Minimize drought impacts by improving agency coordination and enhancing monitoring and early warning capabilities. *Comment: The Drought Contingency Plan was updated in 2021. It builds on strategies and actions contained in the 2016 Plan.*	*Ongoing Capability*
Action 2018-080 – California Water Plan: Develop a comprehensive approach to addressing drought hazard mitigation over the long-term to serve as the State's blueprint for integrated water management and sustainability. *Comment: The California Water Plan is updated every five years and work is in progress for the 2023 update.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-081 – Safe Drinking Water Plan for California: Assess the overall quality of the State's drinking water, identify problems, and recommend improvements. *Comment: The Safe Drinking Water Plan for California was updated in 2020. Throughout the 2020 Plan there is an emphasis on equity and the human right to water, sustainability, emergency preparedness and actions that water systems and the State Water Resources Control Board (State Water Board) can take to help provide safe drinking water. Central to these themes is the reality that safe, clean, and affordable water is essential for healthy communities.*	*Ongoing Capability*
Action 2018-082 – Existing Buildings Energy Efficiency Action Plan: Double the energy efficiency savings of existing buildings by 2030. *Comment: The California Energy Commission (CEC) adopted the first version of the Existing Buildings Energy Efficiency Plan in 2015, and the first update in 2016, in response to SB 350. Additional activity can be found at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency.*	*Ongoing Capability*
Action 2018-083 – Regional Energy-Savings Efforts: Implement effective energy saving programs on a regional basis. *Comment: The Bay Area Regional Energy Network (BAYREN), covers nine counties in the San Francisco Bay Area representing 20 percent of the State population. BAYREN provides planning, technical, and financial assistance funded through the Public Utilities Commission.*	*In Progress*
Action 2018-084 – Solar and Energy Storage for Resiliency: Integrate solar and energy storage into response planning. Secure solar energy as a viable energy backup tool for use in the event of an emergency. *Comment: San Francisco's Solar Resilient initiative goal is to create a roadmap for using solar energy as a viable tool for energy security in the event of an emergency. The objective is to integrate solar energy and energy storage into the City's Emergency Response Plans. There has been some work done in the neighborhoods related to solar energy for use during an emergency but due to staff turnover and then to the C19 response we do not have good coordination as to what programs are useful to incorporate into City emergency response plans. We would like to keep "San Francisco's Solar Resilient initiative goal is to create a roadmap for securing solar energy as a viable energy backup tool for use in the event of an emergency" (slightly reworded) but until we know what that roadmap is we prefer not to indicate that the objective is to integrate this into the emergency plans. That would be a natural occurrence if we do develop this initiative. The initiative itself must come first and is likely based on having available funding.*	*No Progress*

Action Item from Previous Plan	Status
Action 2018-085 – California Solar Initiative: Reduce the cost of solar generating equipment to reduce use of fossil fuels for power generation. *Comment: CSI program closed. By the end of 2021, approximately 11,106 MW of customer-sited solar projects had been installed at over 1.26 million locations within the service territories of the State's three major investor-owned utilities (IOU). This total, which is almost five times the CSI program goal, includes 30.6 MW of capacity under the SASH program and 57.2 MW of capacity under the MASH program. The market for solar generating equipment in California grew at a rapid pace from the beginning of the CSI program and has continued to grow since the program and all of its sub-program elements closed in 2021.*	*Discontinued*
Action 2018-086 – Clean Energy: Progress Tracking. The California Energy Commission's tracking progress reports provide a comprehensive assessment of California's progress toward a global clean energy future. The reports cover a range of sectors, providing information, metrics, and resources. *Comment: The California Energy Commission tracks progress California is making in meeting its clean energy goals. Examples of indicators tracked include: energy efficiency, statewide energy demand, zero-emission vehicles, reliance on coal, renewable energy, and once-through cooling. Additional information can be found at https://www.energy.ca.gov/data-reports/tracking-progress.*	*Ongoing Capability*
Action 2018-087 – CALEAP: California Local Energy Assurance Planning. CALEAP was funded through 2013. The Emergency Action Plan (EAP) was completed in 2014. *Comment: Energy assurance planning has been incorporated into other California Energy Commission initiatives, such as EPIC.*	*Completed*
Action 2018-088 – Clean Energy Jobs Act: Improve energy efficiency in K-12 schools. *Comment: Proposition 39 was approved by California voters in November 2012. From December 2013 through December 2016, a total of 869 projects using $282 million in Proposition 39 funds had been completed or were under construction. Funding for this program is no longer available as the program has ended; projects are in the construction and reporting phase. Interested parties are encouraged to SUBSCRIBE to the list serve to receive information on future programs as they may become available. Additional information at https://www.energy.ca.gov/programs-and-topics/programs/california-clean-energy-jobs-act-proposition-39-k-12-program*	*Ongoing Capability*
Action 2018-089 – Mosquito Borne Diseases: Surveillance and control of mosquito borne diseases. *Comment: The California Mosquito-Borne Virus Surveillance and Response Plan was update in June 2022. Published the 2017 annual update of the California Mosquito-Borne Virus Surveillance and Response Plan to enhance the State's capability to track and control a number of mosquito-borne diseases.*	*Completed*

Action Item from Previous Plan	Status
Action 2018-090 – Extreme Heat Vulnerability: Identify areas of the State most vulnerable to climate impacts. *Comment: The California Heat Assessment Tool (CHAT) was funded by the California Natural Resources Agency as part of the State's Fourth Climate Change Assessment. Four Twenty Seven, Inc. in partnership with Argos Analytics, Habitat Seven, and the Public Health Institute (PHI) developed this tool for local and State health practitioners to better understand dimensions of heat vulnerability driven by climate changes and where action can be taken to mitigate the public health impacts of extreme heat in the future. CHAT allows users to explore and understand how extreme heat will impact specific communities across the State. This tool was built for planners, policymakers, public health practitioners and community members who are committed to mitigating the public health impacts of heat in their communities.*	*Ongoing Capability*
Action 2018-091 – Extreme Heat Vulnerability: Identify vulnerable populations. *Comment: The Climate Change and Health Equity Program continue to engage stakeholders and will be providing updates during the grant period. The CalBRACE extreme heat indicator describes certain populations that may have greater difficulty preparing for extreme heat.*	*In Progress*
Action 2018-092 – Planning for Extreme Heat Emergencies: Prepare at the local and State level to respond to extreme heat emergencies. *Comment: The Extreme Temperature Response Plan 2022 was published to the Cal OES website in May 2022 by Planning & Preparedness Branch. The plan describes the hazard and risk the State of California faces regarding extreme heat and cold/freeze, lists assumptions regarding impacts and response, describes State agency/department roles and responsibilities, and outlines actions to be taken by State agencies/departments during three defined phases of extreme temperature ranging from seasonal preparedness to imminent with severe impacts expected. In response to the 2022 September Heat Wave Event, information was added on the California Independent System Operator (CAISO) Energy Emergency Alerts and updates included from the Office of Access and Functional Needs (OAFN) regarding terminology and accessible transportation considerations, and the updated version of the plan was published to the Cal OES website for local and State partners to use during the heat event.*	*Completed*
Action 2018-093 – Climate Change and Extreme Heat: Reduce health risks associated with increased temperatures due to climate change. *Comment: Released in 2017, the Heat Committee of the Climate Action Team's Public Health Work Group developed "Preparing for Extreme Heat in California: Guidance and Recommendations".*	*Completed*
Action 2018-094 – Heat Research: Quantify the extent and severity of an urban heat island in California. *Comment: This project being undertaken jointly by the Governor's Office of Planning & Research and Cal EPA is to develop a method to quantify the average temperature increase in California communities due to the Urban Heat Island Effect.*	*Completed*

Action Item from Previous Plan	Status
Action 2018-095 – Tree Mortality Assessment: Reduce the risk to the public and infrastructure by identifying and removing dead and dying trees. *Comment: The Governor established the interagency Tree Mortality Task Force in October 2015 to address public safety hazards associated with the State's epidemic tree mortality. The Task Force Action Plan identified 10 high-hazard zones where tree mortality coincides with critical infrastructure. Caltrans is working with landowners to perform tree removal work.*	*Completed*
Action 2018-096 – Tree Mortality Grant Program: Remove dead and dying trees that pose a threat to public safety and reduce wildfire threat. *Comment: CAL FIRE awarded over $15 million for 2016 and 2017 under the State Responsibility Area Fire Prevention Program and the Tree Mortality Grant Program.*	*Completed*

Action Item from Previous Plan	Status
Action 2018-097 – Refinery Safety: Improve public and worker safety through enhanced oversight of refineries and strengthen emergency preparedness. *Comment: The California Accidental Release Prevention (CalARP) Program 4 regulations, specifically for regulating refineries, were adopted and became effective on October 1, 2017, after extensive pre-regulatory input including refinery representatives, labor unions, refinery leadership, non-governmental organizations, academics, federal, State, local agencies, and the public. The Program 4 requirements expanded prevention program requirements for enhanced safety. Refineries are now required to submit investigation reports, including root cause analysis after any major incident. Major incident is defined as an event within or affecting a process that causes a fire, explosion or release of a highly hazardous material, and has the potential to result in death or serious physical harm, or results in an officially declared public shelter-in-place, or evacuation order. Program 4 also requires annual process safety performance indicators to be submitted. In the last five years, the following work has been done to improve public and worker safety through enhanced oversight of refineries and to strengthen emergency preparedness:* *Completed: Implementation of the Program 4 regulations. The Local Certified Unified Program Agencies (CUPAs) have been implementing the Program 4 regulations through inspection and facility oversight. Refinery Risk Management Plans (RMPs) have been updated to meet new, enhanced safety requirements (as Program 4 requires).* *Completed: The State authority and oversight for the entire CalARP program, including refinery oversight in Program 4, was transferred from the California Office of Emergency Services (Cal OES) to the California Environmental Protection Agency (CalEPA) in July 2021. This transfer of State authority and oversight better aligns the regulatory process and enhances the State's ability to ensure compliance with the laws and regulations.* *Completed and Ongoing Capability: CalEPA facilitates the Interagency Refinery Task Force (IRTF) which includes membership from 10 State agencies, the US. Environmental Protection Agency (EPA), and local agencies from areas of the State that contain refineries. IRTF works collaboratively to achieve the highest possible level of safety for refinery workers and local communities and prepare for and effectively respond to emergencies if they occur. IRTF meets at least twice a year to discuss refinery inspection, compliance, and enforcement and other issues pertinent to refinery safety. In 2022, IRTF met four times (two times more than required) and included presentations on the process to convert refineries from petroleum to renewable fuels and safer alternatives for processes utilized (including alternatives to Hydrofluoric Alkylation processes).* *Completed: Report on the Conversion of Petroleum Refineries to Renewable Fuels: CalEPA and IRTF have researched and completed a report on the conversion of petroleum refineries to renewable fuels. This report analyzed the current process of conversion and made suggestions on how to improve the process, while keeping with stringent environmental, public, and worker safety requirements. The report created more transparency for the public and more collaborative oversight by local, State, and federal agencies.* *In Progress: Members of IRTF, including State and local agencies, have developed a CalARP Guidance document (including Program 4 – Refineries) to aid local agencies and the regulated communities in achieving compliance. The document has been completed and is currently under review. It has been slated to finalized and sent out by early 2023. Primary Contact: John Elkins – Program Manager for Emergency Response, Refinery Safety, CalARP, & HMBP John.elkins@calepa.ca.gov Secondary Contact: Jason Boetzer – Assistant Secretary for Local Program Coordination and Emergency Management Jason.boetzer@calepa.ca.gov*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-098 – Oil Spill Planning: Prevent and mitigate the effects of oil spills impacting both land and water environments. *Comment: The most recent version of the State Oil Spill Contingency Plan was released in 2017. The 2015-2020 Strategic Plan requires the State Lands Commission (SLC) develop regulatory requirements to identify systemic risks at marine oil terminals. The California Department of Fish and Wildlife (CDFW) continuously enforces industry oil spill contingency planning and drills/exercises requirements, and updates staff qualifications for incident command systems (ICS) positions. CDFW has also undertakes various oil spill prevention activities, including vessel risk assessment, boardings, and participation in Harbor Safety Committees (designed to plan for the safe navigation and operation of tank ships, tank barges and other vessels within California's five major harbors). CDFW also pursues various oil spill prevention activities.*	*Ongoing Capability*
Action 2018-099 – Gas Pipeline Safety: Improve gas pipeline safety practices. *Pacific Gas & Electric Company (PG&E) continues to utilize its control center. It continues to submit an annual Gas Safety Plan.*	*Completed*
Action 2018-100 – Rail Safety: Examine rail safety concerns related to the transport of crude oil. *Comment: The CPUC's Rail Safety Division (RSD) has 43 Federal Railroad Administration (FRA) certified full-time inspectors. Of these, eight are Hazmat certified inspectors. Their work involves inspection of crude oil unit trains and all commodities entering, being transported through or out of California. They inspect incoming containers at the major ports, in conjunction with the U.S. Coast Guard and FRA, and inspect all hazmat shipping facilities, and random rail cars in trains and rail yards throughout California. RSD has a Crude Oil Reconnaissance Team (CORT) that started in 2014. CORT inspects all crude oil unit trains coming into and departing from California. These inspectors are spread throughout the State. Inspectors not on this team contact CORT members when they see new trains coming into the State during their other routine inspections and accident investigations. This coordinated effort keeps CPUC apprised of all crude oil and LPG unit trains being transported by rail through the State. Annual Railroad Safety Reports to the California State Legislature and monthly activities for all three branches of RSD are online for public review on the CPUC website.*	*Ongoing Capability*
Action 2018-101 – State Regulation of Well Stimulation: Regulate well stimulation procedures and identify/limit impacts. *Comment: An Executive Order was issued by Governor Newsom on April 23, 2021, to phase out well stimulation regulation by January 1, 2024. The action halts issuance of fracking permits.*	*Discontinued*

Action Item from Previous Plan	Status
Action 2018-102 – Homeland Security Strategy: Reduce the impact of human-made disaster events through a coordinated effort of capacity-building for State and local agencies. *Comment: The Homeland Security Grant Program (HSGP) is an ongoing capability comprised of three sub-programs [State Homeland Security Program (SHSP), Urban Area Security Initiative (UASI), and Operation Stonegarden (OPSG) and is intended to support investments that improve the ability of jurisdictions nationwide in the prevention, protection, mitigation, response, and recovery from acts of terrorism. Each sub-program has a particular jurisdictional focus, with SHSP providing a general focus throughout the State, and UASI concentrating on select major metropolitan urban areas throughout the nation. Both the SHSP and UASI programs require that at least 25 percent of grant funding is used for law enforcement terrorism prevention activities for grant years 2016-2021. Operation Stonegarden supports enhanced cooperation and coordination among Customs and Border Protection, United States Border Patrol, and Federal, State, local, Tribal and territorial law enforcement agencies. OPSG's emphasis surrounds activities to secure the United States' borders along routes of ingress from international borders to include travel corridors in states bordering Mexico and Canada, and states with internal water borders. California has aligned its homeland security investment justifications to one or more of the goals and objectives in the 2021-2024 California State Homeland Security Strategy (Strategy). The goals and objectives contained within the Strategy provide a guide for prioritizing and developing statewide homeland security capabilities over a four-year period of performance. The alignment of Strategy goals/objectives with the homeland security grant program investment justifications ensures the State can track and link investments to Strategy goals and objectives efficiently and effectively throughout the planning and investment process. Major program activities include:* *SHSP/UASI* *Cybersecurity* *Infrastructure Security Enhancements* *Vulnerability Reduction* *Interoperable Communications* *Personal Protective Equipment for First Responders* *Maintenance and Sustainment of CBRNE (Chemical, Biological, Nuclear, Radiological, Explosive) Capabilities* *Intelligence Analysis/Information Sharing at Fusion Centers* *Critical Training Needs to Fill Gaps in Core Capabilities* *Exercises to Test Core Capabilities* *Law Enforcement Terrorism Prevention Strategies (including ILO and TLO Programs)* *Operational Readiness Pertaining to Mass Casualty Incidents* *Enhancing Community Preparedness* *Combatting Domestic Violence Extremism* *OPSG* *The majority of funding covers Operational Overtime shifts that are worked by various Law Enforcement Agencies (LEAs) in support of border security activities* *Purchase of equipment in support of border security activities, such as marked patrol vehicles, covert patrol vehicles, global positioning (GPS) tracking systems, night-vision optics, forward-looking infrared (FLIR) systems, and License Plate Readers (LPRs).*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-103 – Homeland Security Grant Programs: Prioritize and allocate federal funding resources to support California's Homeland Security Strategy. *Comment: The Homeland Security Grant Program (HSGP) is an ongoing capability comprised of three sub-programs [State Homeland Security Program (SHSP), Urban Area Security Initiative (UASI), and Operation Stonegarden (OPSG) and is intended to support investments that improve the ability of jurisdictions nationwide in the prevention, protection, mitigation, response, and recovery from acts of terrorism. Each sub-program has a particular jurisdictional focus, with SHSP providing a general focus throughout the State, and UASI concentrating on select major metropolitan urban areas throughout the nation. Both the SHSP and UASI programs require that at least 25 percent of grant funding is used for law enforcement terrorism prevention activities for grant years 2016-2021. Operation Stonegarden supports enhanced cooperation and coordination among Customs and Border Protection, United States Border Patrol, and Federal, State, local, Tribal and territorial law enforcement agencies. OPSG's emphasis surrounds activities to secure the United States' borders along routes of ingress from international borders to include travel corridors in states bordering Mexico and Canada, and states with internal water borders. California has aligned its homeland security investment justifications to one or more of the goals and objectives in the 2021-2024 California State Homeland Security Strategy (Strategy). The goals and objectives contained within the Strategy provide a guide for prioritizing and developing statewide homeland security capabilities over a four-year period of performance. The alignment of Strategy goals/objectives with the homeland security grant program investment justifications ensures the State can track and link investments to Strategy goals and objectives efficiently and effectively throughout the planning and investment process. Major program activities include:* *SHSP/UASI* *Cybersecurity* *Infrastructure Security Enhancements* *Vulnerability Reduction* *Interoperable Communications* *Personal Protective Equipment for First Responders* *Maintenance and Sustainment of CBRNE (Chemical, Biological, Nuclear, Radiological, Explosive) Capabilities* *Intelligence Analysis/Information Sharing at Fusion Centers* *Critical Training Needs to Fill Gaps in Core Capabilities* *Exercises to Test Core Capabilities* *Law Enforcement Terrorism Prevention Strategies (including ILO and TLO Programs)* *Operational Readiness Pertaining to Mass Casualty Incidents* *Enhancing Community Preparedness* *Combatting Domestic Violence Extremism* *OPSG* *The majority of funding covers Operational Overtime shifts that are worked by various Law Enforcement Agencies (LEAs) in support of border security activities* *Purchase of equipment in support of border security activities, such as marked patrol vehicles, covert patrol vehicles, GPS tracking systems, night-vision optics, forward-looking infrared (FLIR) systems, and License Plate Readers (LPRs).*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-104 – Cyber Security Policy: Adopt a Program Management Framework (PMF) that protects highest value assets through a management and risk-based approach. *Comment: PMF-Minimum Security Standards was completed in December 2019 and the Cal-Secure Multi-Year Strategy was completed in October 2021*	*Completed*
Action 2018-105 – Annual Vulnerability Assessments: Coordinate 35 vulnerability assessments each calendar year. *Comment: AB 670, passed in 2015 requires the California Department of Technology (CDT) to coordinate independent security assessments of State agencies every two years. Assessments have been conducted on schedule each year. This action is ongoing due to the AB 670 statute.*	*Ongoing Capability*
Action 2018-106 – Security Audit Program: Measure the effectiveness of security policies and guidelines. *Comment: In 2016, the program was piloted in six State entities. The pilot program was completed in 2017, and the permanently expanded audit program was established in 2018 to do 52 audits each year.*	*Ongoing Capability*
Action 2018-107 – State Emergency Plan (SEP): Establish cross-agency collaboration to address cyber security threats. *Comment: The A-ESF 18 Cyber Security Annex was completed and approved in March 2020. The annex identifies Cal OES as the lead agency ("Coordinating Agency" is the new terminology) with the California Department of Technology, California Highway Patrol, California Military Department, and the California Department of Justice acting as primary agencies. The annex provides the purpose, mission, and goals of the cybersecurity emergency function and details how Cal OES communicates and coordinates with the primary agencies involved with the cybersecurity mission during all phases of emergency management. The annex also explains how the CA-ESF 18 stakeholders coordinate with SOC and other CA-ESFs during a cybersecurity incident. The annex details the organizational structure of the California Cybersecurity Integration Center (Cal-CSIC) within Cal OES which oversees the management of cybersecurity incidents.*	*Completed*
Action 2018-108 – Cyber Security Integration Center (CISC) & Task Force: Reduce the likelihood and severity of cyber incidents that could damage the economy, critical infrastructure, or public and private sector computer networks, through State agency coordination. *Comment: To facilitate information sharing and development of expert advice, the Cyber Security Task Force is open to and includes cybersecurity professionals from local, State, and federal agencies, Tribal governments, utilities and other service providers, academic institutions, and non-governmental organizations. Specific subcommittees of the Task Force have been called on to present information on specific topics and reports of their activities and findings at quarterly meetings. Certain subcommittees have provided specific advice regarding proposals in pending legislation to inform Cal OES opinion, fiscal analysis, and response to bill proposals. Section 8586.5 of the Government Code requires the Cal-CSIC to develop a statewide cybersecurity strategy, informed by recommendations from the California Task Force on Cybersecurity. The Cal-CSIC has organized and overseen the Task Force since 2013.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-109 – Protecting Critical Power Grid Infrastructure: Protect power grid integration from cyber threats. *Comment: Ongoing coordination with Cal-CSIC and statewide cyber security task force.*	*Ongoing Capability*
Action 2018-110 – Planning and Technical Assistance: Identify and communicate with local governments to promote local hazard evaluation and mitigation planning and to assist in developing LHMPs. Increase the number of LHMPs in the State through enhanced planning and technical assistance. *Comment: Local Planning staff regularly communicate with local jurisdictions (cities, counties, and special districts) on LHMP development, maintenance, and implementation. This includes, but is not limited to, regular outreach to jurisdictions with plans that have and have not been funded through mitigation grants; jurisdictions who have LHMPs expiring within 36 months are contacted regarding plan expiration and any available mitigation grant opportunities. Continued contact with these jurisdictions also occurs at 24 months, 12 months, six months and as an expiration approaches if the Local Planning staff have not been notified of plan status; Plan status, technical assistance and outreach efforts are communicated to FEMA Region IX Community Planning staff each Monday through an agreed upon report. A technical assistance an outreach log is available if needed; In addition, local planning staff routinely contact those jurisdictions on FEMA Region IX's weekly planning report that have a designation of "Approved Pending Adoption" in an effort to ensure the local plans get adopted and a final approval letter is received from FEMA so that jurisdictions can not only maintain eligibility for mitigation grant opportunities, but can also adopt the local plan into the Safety Element of their General Plan to be considered for eligibility of additional cost share funding under the California Disaster Assistance Act (CDAA) for Public Assistance (PA) funding.*	*Ongoing Capability*
Action 2018-111 – Planning and Technical Assistance: Provide technical assistance, guidance, resources, and tools to local governments for all aspects of local hazard mitigation planning *Comment: Technical assistance is provided and recorded in a log that is provided to FEMA on Monday of each week; technical assistance can be grouped into various categories including, but not limited to pre local plan preparation, assistance during the preparation of the plan, plan submittal assistance, plan integration assistance with climate change, land use planning, flood/CRS planning and coastal planning; plan implementation assistance, land use planning assistance, and General Plan Safety Element adoption under AB 2140 guidance. In addition, local planning staff provide technical assistance as it relates to maintaining mitigation grant eligibility and the availability of other grants to assist in the implementation of the action outlined in the plan. Local Planning staff have created specific trainings depending on the needs of the jurisdiction, as well as providing joint training with FEMA Region IX Local counterparts under G 318 and other trainings on specific areas as needed. Staff continue to provide guidance utilizing the FEMA Region IX plan review tool, FEMA Local Planning Handbook, FEMA Mitigation Ideas Book, the Office of Planning and Research Wildfire Technical Assistance Guide, Climate Adaptation materials on ResilientCA.org and other hazard-specific plan integration guides. All materials are contained on the Cal OES Local Mitigation Planning website.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-112 – Planning and Technical Assistance: Establish consistent definitions for common concepts, such as critical facilities, loss estimates, risk assessment, and hazard types. *Comment: Local mitigation planning relies on the definitions of critical facilities, risk assessments and hazard types that are outlined by FEMA in the Local Mitigation Planning Guidance and the regulations set forth by the Disaster Mitigation Act of 2000 (DMA 2000) in Title 44 of the Code of Federal Regulations (CFR). The publications that support the required elements in the FEMA Mitigation Plan Review Guide, the FEMA Local Mitigation Planning Handbook, and the FEMA Mitigation Ideas book also define each term as it relates to the requirements for jurisdictions to follow when preparing their LHMP. These concepts are further defined in the curriculum in the G 318 Local Mitigation Planning course and G 393 Hazard Mitigation course which are taught in California by Cal OES Local Mitigation Planners/FEMA Region IX Community Planners and experienced instructors from Cal OES California Specialized Training Institute (CSTI) program. Suggest here that Recovery Planning's Community Capability and Capacity Building Unit, as well as the Technical/Engineering section within Public Assistance be consulted on this item as well since they work on loss estimation modeling and identification of critical facilities to ensure definitions are consistent with the mission of the SHMP and accurately reflect California's definitions of these concepts beyond what is defined by FEMA.*	*Ongoing Capability*
Action 2018-113 – Integration of Local and State Mitigation Efforts: Encourage local jurisdictions to take advantage of the financial benefits of AB 2140 by either creating integrated LHMP Safety Elements or by adopting their LHMP as an annex to their Safety Element (SE). *Comment: The Local Mitigation Planning Unit (LMP Unit) has procedures in place to regularly do outreach to jurisdictions on the benefits of adopting the LHMP into the Safety Element of the General Plan. Outreach begins to jurisdictions when they begin plan preparation and has now been included as part of the scope of work for Mitigation Planning Grants. Both Mitigation local planning staff and Mitigation grants staff encourage and educate cities and counties on the benefits of this adoption. In addition to educating jurisdictions before and during the preparation of the LHMP, Local Planning also has developed a regular procedure where as soon as FEMA issues an "Approved Pending Adoption" via email, local planning sends an email notifying cities and counties that they should also adopt their plan into the General Plan Safety Element and provide documents on the benefits and sample adoption language. Local planning also tracks the cities and counties who have adopted and does a regular outreach to those who have not adopted. All pertinent information on AB 2140 is also included on the Local Mitigation Planning section of the Cal OES website. It is important to note that AB 2140 only applies to cities and counties and not to special district plans since special districts do not have General Plans. In addition to the efforts above, the Office of Planning and Research regularly does outreach during their General Plan update training on the benefits of AB 2140 adoption and provides guidance on their website at OPR.ca.gov, furthermore, the CAL FIRE Land Use Planning Program encourages AB 2140 adoption and has included information in their Wildfire Technical Advisory document that can be found on OPRs website as well.*	*Ongoing Capability*

Action Item from Previous Plan	Status
Action 2018-114 – Integration of Local and State Mitigation Efforts: Prepare resource materials to assist local governments in achieving consistency with other hazard mitigation and land use plans, and to comply with State legislative requirements. *Comment: In consultation with the Office of Planning and Research, CAL FIRE Land Use Planning, the Coastal Commission, DWR and other planning partners, a series of plan integration guides have been developed and are available on OPR's website at OPR.ca.gov. Included are Fire Hazard Planning Technical Advisory, Flood After Fire Plan Alignment, Wildland Urban Interface Planning Guide, California Adaptation Planning Guide, Cal Adapt, Coastal Resilience California and Coastal Plan Alignment Compass. Local Planning works in coordination with all State Planning partners to maximize available information for use by jurisdictions in an effort to ensure consistency among required planning documents including, but not limited to, LHMPs, Community Wildfire Protection Plans, Flood Management Plans, CRS Plans, Emergency Operation Plans, Emergency Action Plans and Threat and Hazard Identification and Risk Assessments (THIRAs).*	*Ongoing Capability*

Appendix K. **Hazard Events History**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

K. HAZARD EVENTS HISTORY

This appendix contains excerpts of previous events and losses presented in the 2018 State Hazard Mitigation Plan (SHMP). This has not been updated for the current SHMP because this content represents a historical record of the previous SHMP. For sources cited in this appendix, see the 2018 SHMP.

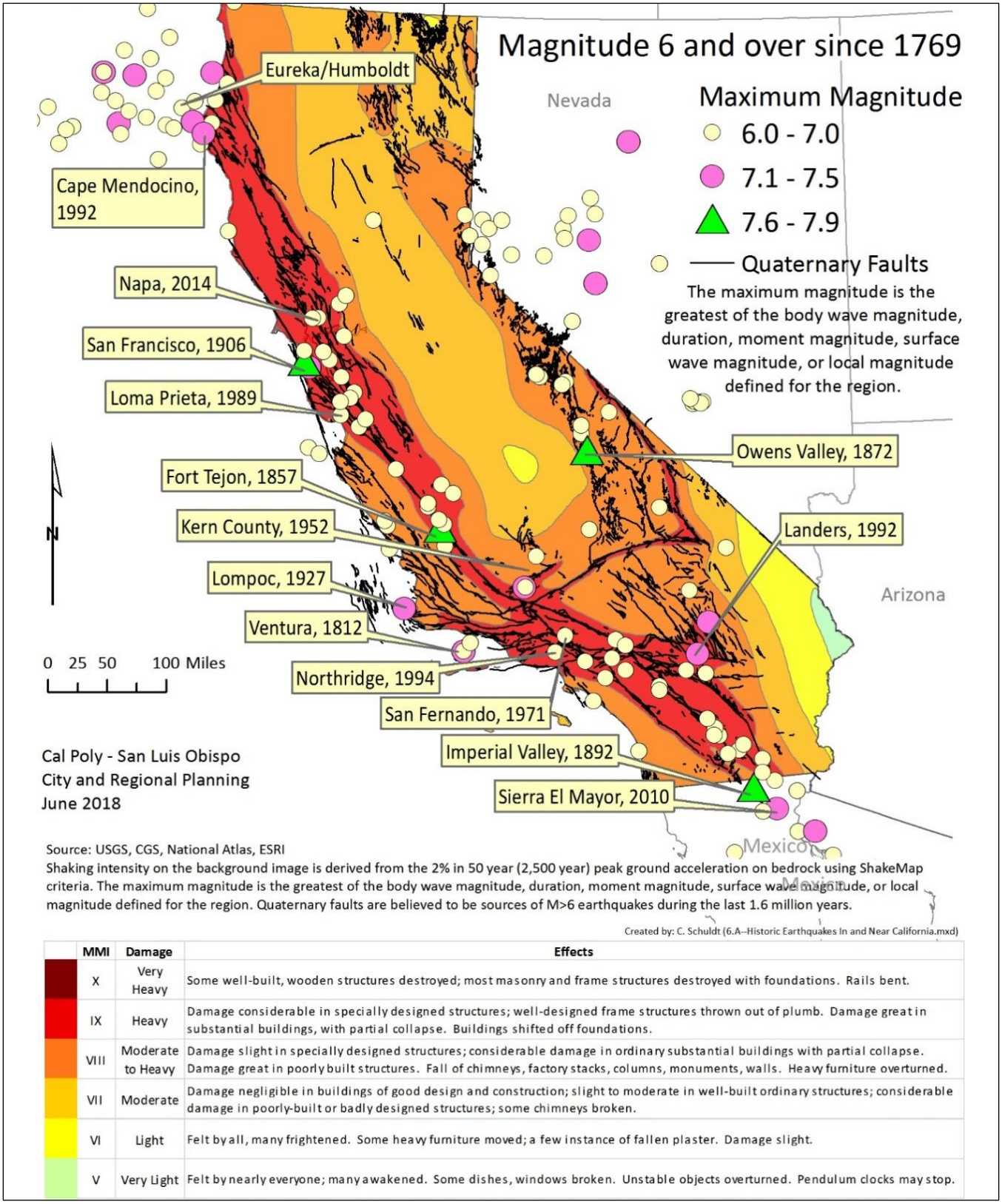
K.1. EARTHQUAKE AND GEOLOGICAL HAZARDS

K.1.1. Earthquake

Figure K-1 shows the pattern and selected dates of earthquakes in and near California during the past 240 years. Earthquakes large enough to cause moderate damage to structures – those around Magnitude 5.5 – occur three to four times a year in California. For example, the Magnitude 6.5 San Simeon Earthquake of December 22, 2003, caused two deaths, 47 injuries, and $263 million in damage. The Magnitude 6.5 Humboldt County Earthquake on January 9, 2010, resulted in zero deaths, 35 injuries, and $43 million dollars in damage. The Magnitude 7.2 El Mayor Cucapah Earthquake (also known as the Sierra El Mayor Earthquake) of April 4, 2010, was in Northern Baja California at the former mouth of the Colorado River. This event shook not only Mexicali and Tijuana but also a large part of Southern California and parts of southwestern Arizona and Nevada. There were two confirmed deaths in Mexicali and 100 persons were injured between Baja California and Imperial County California. The total estimated damage in Southern California from the El Mayor-Cucapah event was $91 million while the total estimated damage between Southern California and Baja California was estimated to be $1 billion with most of the damage affecting the agriculture industry and irrigation district in Baja California.

Strong earthquakes of Magnitude 6 to 6.9 strike California on an average of once every two to three years. An earthquake of this size, such as the 1994 Northridge Earthquake (Magnitude 6.7) or the 1983 Coalinga Earthquake (Magnitude 6.7), is capable of causing major damage, if the epicenter is near a densely populated area. The Northridge Earthquake caused over $40 billion of disaster losses, 57 deaths, and 11,846 injuries, while the 2014 earthquake (Magnitude 6.0) in less densely populated area, caused $87 million of disaster losses, one death, and 200 injuries.

Figure K-1. Historic Earthquakes in and Near California by Magnitude (1769-2017)



MMI	Damage	Effects
X	Very Heavy	Some well-built, wooden structures destroyed; most masonry and frame structures destroyed with foundations. Rails bent.
IX	Heavy	Damage considerable in specially designed structures; well-designed frame structures thrown out of plumb. Damage great in substantial buildings, with partial collapse. Buildings shifted off foundations.
VIII	Moderate to Heavy	Damage slight in specially designed structures; considerable damage in ordinary substantial buildings with partial collapse. Damage great in poorly built structures. Fall of chimneys, factory stacks, columns, monuments, walls. Heavy furniture overturned.
VII	Moderate	Damage negligible in buildings of good design and construction; slight to moderate in well-built ordinary structures; considerable damage in poorly-built or badly designed structures; some chimneys broken.
VI	Light	Felt by all, many frightened. Some heavy furniture moved; a few instance of fallen plaster. Damage slight.
V	Very Light	Felt by nearly everyone; many awakened. Some dishes, windows broken. Unstable objects overturned. Pendulum clocks may stop.

Major earthquakes (Magnitude 7 to 7.9) occur in California about once every 10 years. The 1992 Landers Earthquake (Magnitude 7.3) and the 1999 Hector Mine Earthquake (Magnitude 7.1) caused extensive surface fault rupture but relatively little damage because they occurred in lightly populated areas of the Mojave Desert. Earthquakes of smaller magnitude but in densely populated areas, such as the 1989 Loma Prieta Earthquake (Magnitude 6.9), have caused extensive damage over large areas.

Figure K-2 shows the distribution of State-proclaimed and federally declared earthquake disasters from 1950 to 2017. It shows the following numbers of State- and federal-declared earthquake disasters by county (representing 26 of California's 58 counties):

- Los Angeles County – 6
- Imperial County – 5
- Humboldt, Napa, and Solano Counties – 3 in each county
- Orange, Riverside, San Bernardino, Santa Barbara, and Santa Clara Counties – 2 in each county
- Alameda, Butte, Contra Costa, Fresno, Marin, Modoc, Mono, Monterey, Sacramento, San Benito, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Cruz, Sonoma, and Ventura Counties – one in each county

Figure K-3 shows the numbers of historical occurrences of events described as Modified Mercalli Intensity (MMI) Scale VII or greater from 1800 to 2017. Such events notably have been concentrated along the San Andreas Fault system, particularly in the San Francisco Bay, Monterey Bay, and Humboldt County areas. However, a significant earthquake is expected in Southern California in the near future. Such an event would change this map significantly by including both larger areas and more occurrences of damage in Southern California.

Two of the largest historic earthquakes in California, the 1857 Fort Tejon Earthquake and the famous 1906 San Francisco Earthquake, were similar in magnitude (Magnitude 7.9 and Magnitude 7.8) and resulted from movement along the San Andreas Fault. Earthquakes of this size (Magnitude 7.7 to Magnitude 7.9) can cause more extensive damage over a larger area than the Magnitude 7.1 to Magnitude 7.4 earthquakes that have struck California in recent decades.

Figure K-2. State and Federal Declared Earthquake Disasters, 1950-February 2017

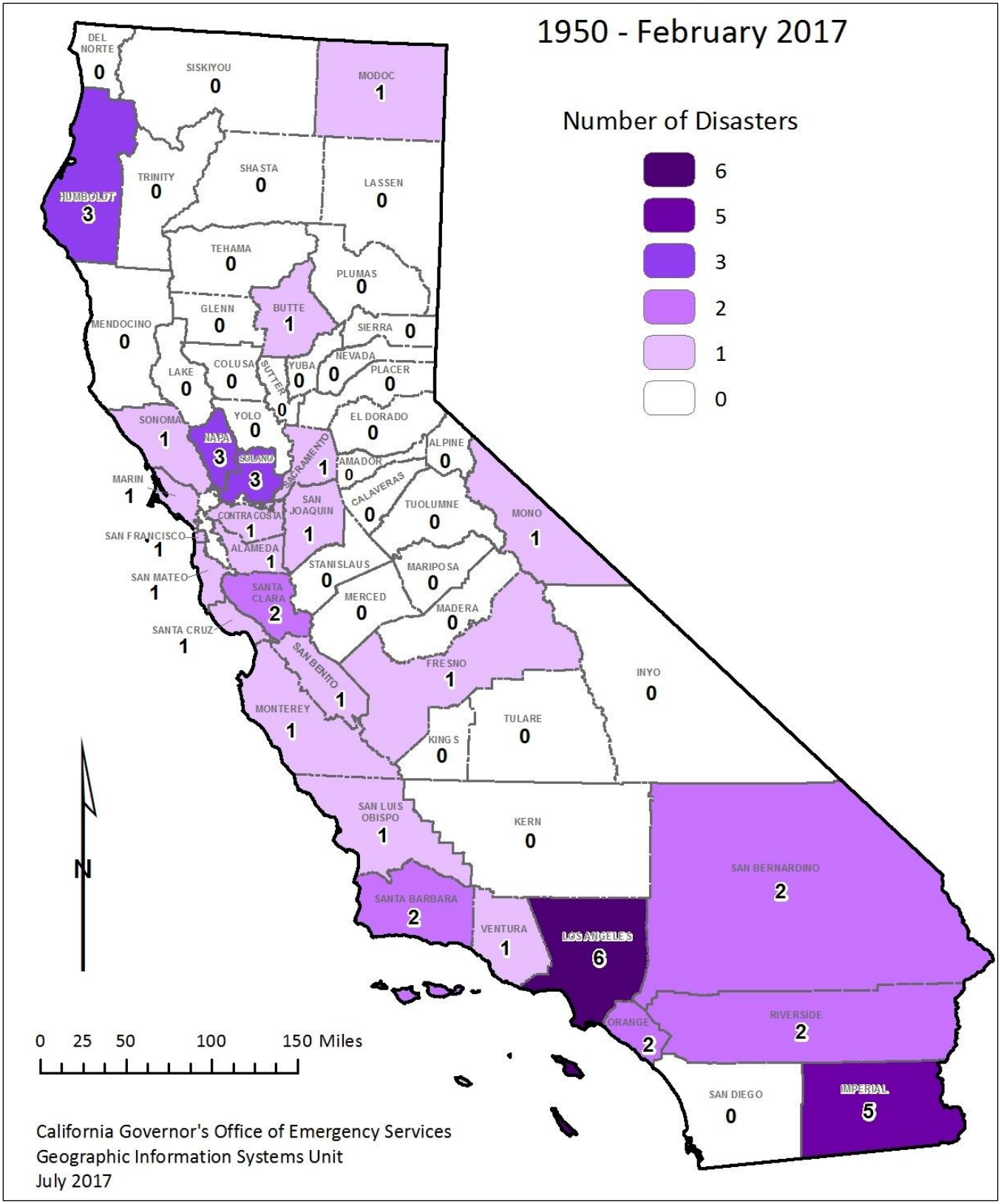
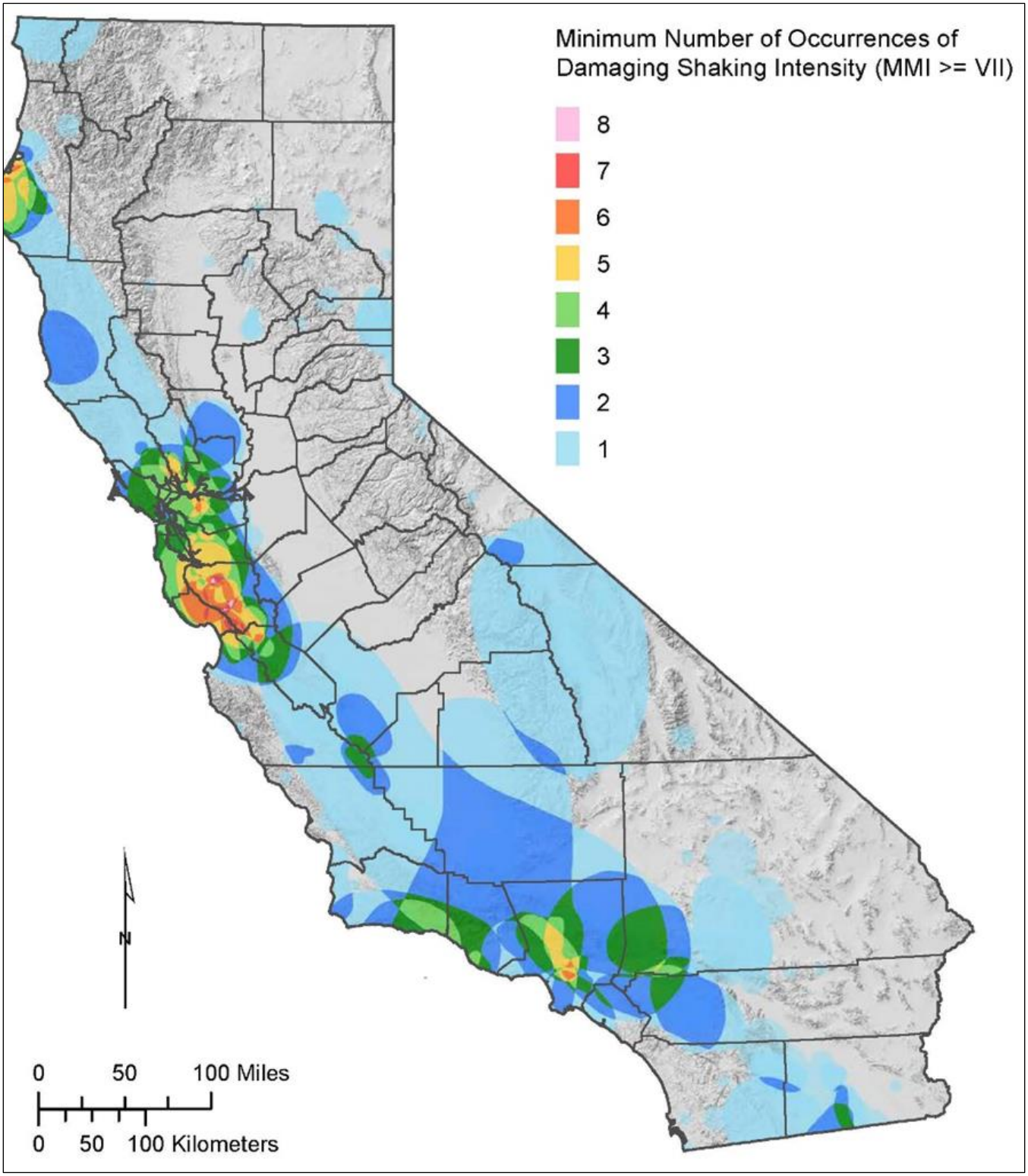


Figure K-3. Areas Damaged by Earthquakes, 1800-2017



Although no earthquake of magnitude 8 or greater has been officially recorded in California, evidence suggests that one occurred in the early 18th century. Historical and geological data strongly indicate that a Magnitude 9 earthquake occurred in January 1700 on the Cascadia Subduction Zone, which extends north from Cape Mendocino in Northern California to British Columbia. An earthquake of this size is similar to the one that struck Alaska in 1964 and is capable of extensive damage over a very broad region.

K.2. LANDSLIDE AND OTHER EARTH MOVEMENT HAZARDS

Landslide hazards are present in many regions of California. Landslide probability is notably high in the coastal regions of California, which are home to much of the State's population, industry, and infrastructure. Particularly hazardous terrain lies where weak rock layers are inclined in the same direction as the mountain slope, a condition found in many areas of California. The Franciscan Formation, which makes up much of the Northern California Coast Ranges, contains weak rock that is both easily eroded and landslide prone. Through the decades, development has been continuing to spread into mountainous terrain where hazard exposure is high. Most reported landslide losses occur in these regions, as illustrated in the cumulative landslide occurrences resulting from the 1995 El Nino winter storms, shown in Figure K-4.

With post-fire debris flows, wildfire can significantly alter the hydrologic response of a watershed to the extent that even moderate rainstorms can produce dangerous flash floods and debris flows. Seasonal rain accumulations on burn areas have little influence on debris flow generation. However, short-duration, intense rainfall, generally greater than 0.5 inch per hour, has the potential to trigger post-fire debris flows. As the rainfall intensity increases above this value, the magnitude and impacts of the debris flows also increase. For example, the January 9, 2018, storm in Santa Barbara County triggered debris flows when rainfall intensities reached 6.48 inches per hour. This storm event initiated several debris flows within the Santa Ynez Mountains that inundated urbanized alluvial fan areas within Montecito and Carpinteria in Santa Barbara County, causing 21 fatalities and 28 injuries, destroying 127 homes and six commercial buildings, and damaging 307 homes and 17 commercial buildings.

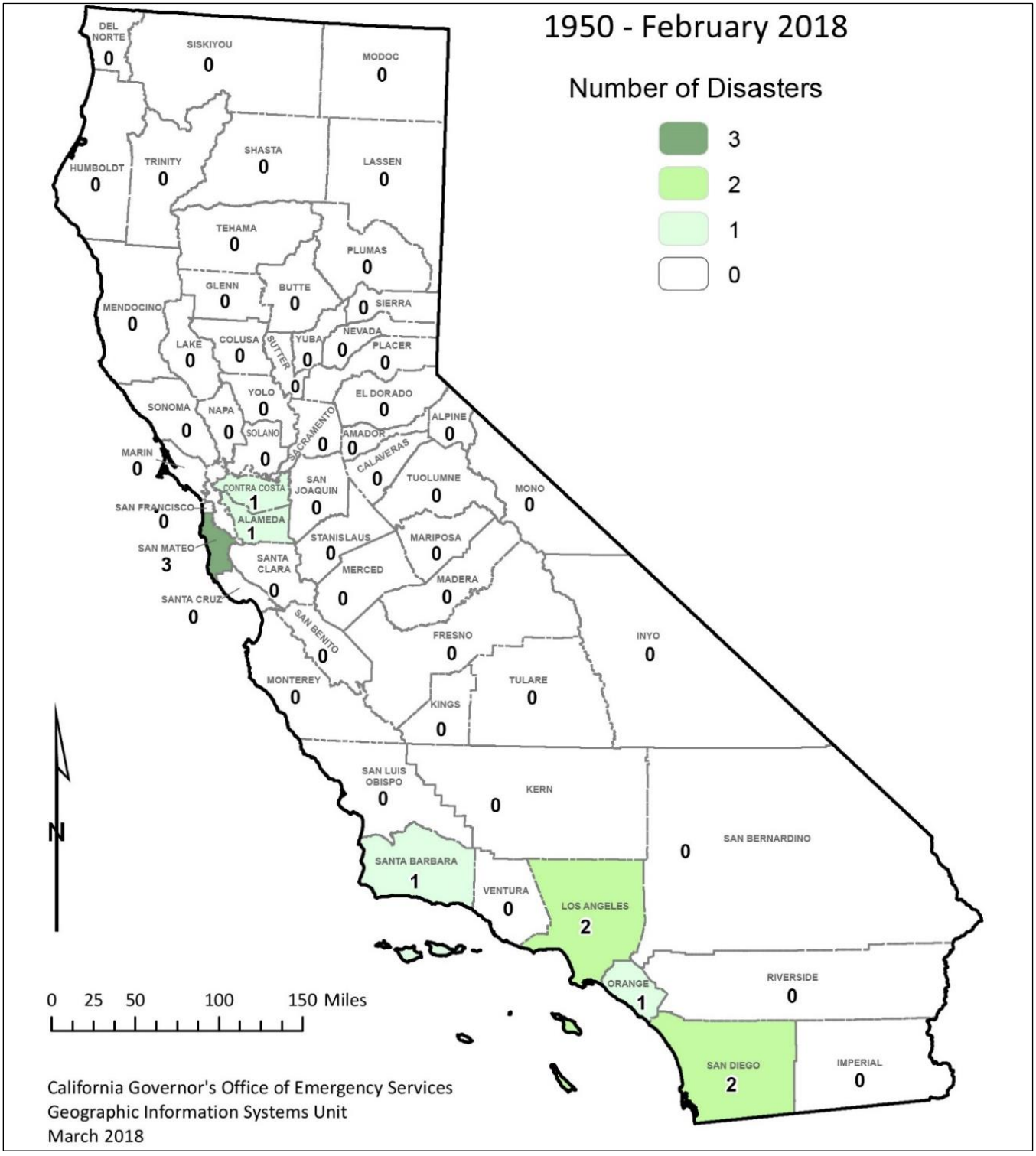
Figure K-5 shows State and federally declared landslide disasters by county from 1950 to February 2018. Note that despite frequent local occurrence of landslides, these events are rarely large enough to qualify for a disaster declaration. Additionally, large landslides and debris flows are frequently included under other disaster categories.

Figure K-4. 1994-1995 Winter Storm Landslide Events



Earthquake shaking can rapidly weaken loose water-saturated sediments via liquefaction, which can greatly increase ground deformation and sliding, even on gentle slopes. This happened during the 1971 San Fernando Earthquake, when the soil beneath two earth-fill dams partially liquefied and shifted, causing partial collapse of both facilities. Those events resulted in over a half-billion dollars in damage and the temporary evacuation of 80,000 people below the dam.

Figure K-5. State and Federal Declared Landslide Disasters, 1950-February 2018



K.3. VOLCANO HAZARDS

The most recent eruption in California occurred at Lassen Peak in Lassen Volcanic National Park about 100 years ago, from 1914 to 1917. Geophysical and geochemical monitoring conducted by the U.S. Geological Survey (USGS) CalVO reveals the presence of magma (molten rock) beneath seven of the eight California volcanoes ranked as Moderate, High, or Very High Threat. Low levels of volcanic seismicity, emissions of noxious volcanic gas, and/or ground deformation characterize the present status of Medicine Lake, Mount Shasta, Lassen Volcanic Center, Clear Lake Volcanic Field, Long Valley Volcanic Region, Coso Volcanic Field, and Salton Buttes.

Figure K-6. 1915 Eruption of Lassen Peak as Seen from Red Bluff



Lassen Volcanic Center (LVC) lies in Lassen Volcanic National Park about 55 miles east of the town of Redding. The park draws over 350,000 visitors each year with the spectacular volcanic landscapes created by the hundreds of eruptions occurring over its 825,000-year lifespan.

The last 25,000 years at LVC have been relatively quiet with three notable exceptions: the Chaos Crags eruption (1,100 years ago), the eruption of Cinder Cone (345 years ago), and the Lassen Peak eruption (1914 to 1917). The most recent eruption was confined to sporadic steam blasts until May 1915, when partially molten rock oozing from the Lassen Peak vent began building a precarious lava dome. The dome collapsed on May 19 of that year, sending a hot pyroclastic flow racing down the north flank of the volcano.

Three days later, a vertical column of fine ash exploded from the vent reaching altitudes of 30,000 feet. A snapshot of the ash column taken from the town of Red Bluff some 40 miles west of the volcano is shown above (R.E. Stinson, courtesy of the National Park Service). Fine ash particles from the top of the column drifted downwind 200 miles to the east, as far as Winnemucca, Nevada. On both days, melting snow fueled lahars, flooding drainages 20 to 30 miles away.

K.4. FLOOD HAZARDS

K.4.1. Riverine, Stream, and Alluvial Flood Hazards

From 1992 to February 2018, California has had 34 State-proclaimed flood emergencies and 15 federally declared flood disasters. As shown in Table K-1, since 1992, every county in California has been declared a federal disaster area at least once for a flooding event. The information in Table K-1 extends back to 1992 because that is the year that the California Governor's Office of Emergency Services (Cal OES) began tracking disaster recovery history information. The 1992 flood was the first federally declared flood disaster since Stafford Act implementation began in 1988.

Figure K-7 shows the distribution of floods leading to disaster declarations from 1950 to February 2018. Some of the counties with 24 or more declared disasters during this period include Kern, Los Angeles, Riverside, San Bernardino, Orange, and San Diego in the southern portion of California; Contra Costa, Alameda, San Mateo, Marin, Napa, and Santa Cruz in the San Francisco Bay Area; Sacramento, Yolo, Sutter, El Dorado, and Yuba in the Sacramento/Sierra foothill area; and Humboldt, Trinity, Butte, and Mendocino in Northern California.

Table K-1. Federally Declared Flood Disasters in California, 1992 – February 2018*

Disaster Number	Date	Scope (Number of Counties)	Number of Deaths	Damage in $
935-DR-CA	February 1992	6	5	$123.2 million
979-DR-CA	January 1993	25	20	$600 million
1044-DR-CA	January 1995	45	11	$741.4 million
1046-DR-CA	February 1995	57	17	$1.1 billion
1155-DR-CA	January 1997	48	8	$1.8 billion
1203-DR-CA	February 1998	40	17	$550 million
1498-DR-CA	June 2003	2	16	--***
1529-DR-CA	June 2004	1	0	$57 million
1577-DR-CA	February 2005	8	24	$573.1 million
1585-DR-CA	April 2005	7	0	$198.7 million
1628-DR-CA	February 2006	40	5	$327.8 million
1646-DR-CA	June 2006	16	1	$129.5 million
1884-DR-CA	March 2010	6	0	$50.6 million
4305-DR-CA	January 2017	22	**	$20.4 million
4308-DR-CA	February 2017	43	**	$260.5 million

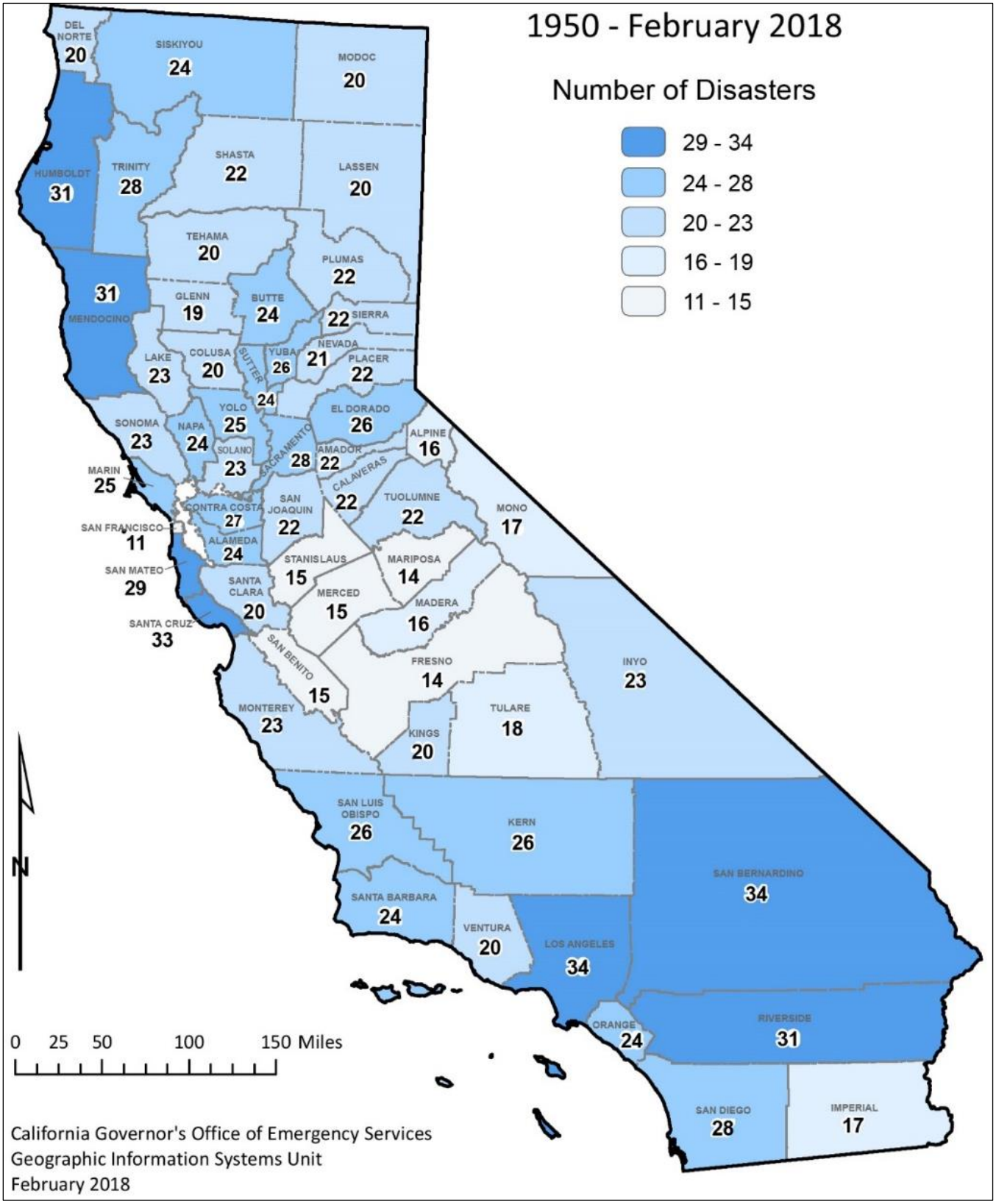
Source: (FEMA 2023a)

* Disasters listed are only those designated by the Federal Emergency Management Agency (FEMA) as Flood Disasters (Storm Disasters are not included in this table).

** Figures pending

*** DR-1428, 2003 Southern California Fires, caused the elimination of vegetation securing soils to the hillsides. In December 2003, mild flooding caused mudflows and landslides killing 16 people. The costs of the flood damages were not segregated from the fire damages.

Figure K-7. State and Federal Declared Flood Disasters, 1950-February 2017



The most significant flooding in State history, and potentially the biggest disaster in California State history, occurred prior to the Federal Emergency Management Agency (FEMA) era and is known as the Great Flood of 1862. In the winter of 1861-62, atmospheric rivers brought rainfall over the course of six weeks. Contemporary reports include 72 inches of precipitation in Tuolumne County, flooding of "a region 250 to 300 miles long and 20 to 60 miles wide" for months in the Central Valley, such severe flooding in Sacramento that the Legislature relocated to San Francisco and estimates of destruction of 1/4 to 1/3 of the State's taxable property (Brewer, 1930). The New York Times further reported that the speed of flooding "was so rapid that most people had not more than an hour's warning of the danger" and they report at least 1,000 deaths (NYT, 1862). Disasters of this scale are observed in the geologic record in the years 212, 440, 603, 1029, 1418, and 1605 – the latter being the largest – and a future similar scenario is known as ARkStorm (Porter et al., 2010). The ARkStorm scenario is viewed to be as likely as the major-earthquake scenario known as The Big One and is estimated to be three times more costly than that scenario, with dollar losses approaching $1 billion (Porter et al., 2010). A recent study suggests the ARkStorm scenario is likely to occur more frequently than the historic record suggests due to climate change (Huang and Swain, 2022).

- Brewer, W.H. Up and down California in 1860-1864: the journal of William H. Brewer. Yale University Press. 1930.
- The Great Flood in California. January 21, 1862. Accessed at https://timesmachine.nytimes.com/timesmachine/1862/01/21/79955563.html?pageNumber=6.
- Porter, K. et al. Overview of the ARkStorm Scenario. USGS Open File Report 2010-1312. 2010.

K.4.2. Sea-Level Rise, Coastal Flooding, and Erosion Hazards

No hazard event history recorded in the 2018 SHMP for the sea-level rise, coastal flooding, and erosion hazards profile.

K.4.3. Tsunami and Seiche Hazards

Numerous studies have documented historical tsunamis recorded along California's coast. In 1700, an earthquake estimated at Magnitude 9.0 ruptured along the Cascadia Subduction Zone, which stretches from along the coasts of British Columbia, Washington, and Oregon to offshore of California north of Cape Mendocino. Though there were no local written accounts, scientists originally recognized the event from

geological evidence and oral histories from the Native American people in the area. This information was eventually cross-referenced with Japanese documents that described an "orphan" tsunami that was not accompanied by a large earthquake in Japan. The exact date and time of this earthquake are known because of a combination of tsunami deposit evidence, carbon-14 and tree-ring dating, tsunami modeling, and historical Japanese records.

The Cascadia Subduction Zone is the most significant local tsunami source for the California coast north of Cape Mendocino. Geological evidence indicates that large Cascadia earthquakes and associated tsunamis have occurred at least 19 times over the past 10,000 years, with event recurrence varying from 200 years to more than a thousand years over that 10,000-year period.

The December 2005 California Seismic Safety Commission (SSC) report (The Tsunami Threat to California—Findings and Recommendations on Tsunami Hazards Risks) indicates that over 80 tsunamis have been observed or recorded along the coast of California in the past 150 years. The report includes findings that tsunamis generated either locally or from events elsewhere in the Pacific Basin pose a significant threat to life and property in California, and that tsunamis present a substantial risk to the economy of the State and nation primarily through the impact on ports.

The National Centers for Environmental Information (NCEI) provides a database cataloging all tsunami occurrences. The database can be used to evaluate past tsunami events at a particular site. As shown in Table K-2, there have been eight tsunamis known to have caused damage to ports and harbors or coastal inundation in California since 1946.

Table K-2. Summary of Tsunami Damage Along the California Coast Since 1946

Date	Event	Magnitude	Cost of Damage*	Deaths
March 11, 2011	Offshore Japan Earthquake	9.0	$100 million	1
February 27, 2010	Offshore Chile Earthquake	8.8	$3 million	0
November 15, 2006	Kuril Islands Region Earthquake	8.3	$20 million	0
March 28, 1964	Offshore Alaska Earthquake	9.2	$20 million	13
May 22, 1960	Chile Earthquake	9.5	$1 million	2
March 9, 1957	Aleutian Islands Earthquake	8.6	<$1 million	0
November 4, 1952	Kamchatka Earthquake	9.0	<$1 million	0
April 1, 1946	Aleutian Islands Earthquake	8.8	<$1 million	2

*"Cost of Damage" represents reported damage at the time of the tsunami; not all damage may be accounted for in early events.

In 1964, a tsunami caused by a Magnitude 9.2 earthquake offshore from Alaska resulted in 13 deaths in California and destroyed portions of downtown Crescent City. More recently, a 2006 tsunami (originating in the Kuril Islands region north of Japan) caused approximately $20 million in damage to Crescent City harbor. A 2010 tsunami (originating offshore from Chile) caused millions of dollars in damage to ports and harbors in the State.

A tsunami in 2011 (caused by a Magnitude 9.0 earthquake offshore of Japan) killed one person at the mouth of the Klamath River and caused up to $100 million of damage to 27 ports, harbors, and marinas throughout the State (Wilson et al., 2012). The most damage occurred in Crescent City, Santa Cruz and Moss Landing harbors and a federal disaster was declared in Del Norte, Santa Cruz, and Monterey Counties. Both Crescent City and Santa Cruz harbors sustained damage to all docks, and oil spills and water/sediment contamination that resulted from sunk or damaged boats. Because recovery efforts in these two harbors took several years to complete, both harbors incurred business/economic losses that have been difficult to recapture.

K.4.4. Levee Failure and Safety Hazards

In parts of California, both the chances and the consequences of flooding are ranked the highest in the nation. Many of the levees in California are intended to protect against a storm that as a 1 percent chance of occurring in any year. Some areas have an even lower level of protection. For perspective, the levee system protecting the city of New Orleans was intended to protect against a storm that has a 0.4 percent of occurring in any year (a 250-year level of protection) but failed in 2005 due to Hurricane Katrina.

A list of significant levee failures in the Bay-Delta from 1900 to the present is shown in Table K-3. This list documents the spatial and temporal variability of levee failure but does not attribute the failures to a particular loading function or failure mechanism.

Table K-3. San Francisco Bay-San Joaquin-Sacramento Delta Levee Failures, 1900-2017

Delta Island/Tract	Total Acres Flooded	Year Flooded
Andrus Island	7,200	1902, 1907, 1909, 1972
Bacon Island	5,546	1938
Bethel Island	3,400	1907, 1908, 1909, 1911, 1972, 1981, 1983
Big Break	2,200	1927
Bishop Tract	2,100	1904
Bouldin Tract	5,600	1904, 1907, 1908, 1909, 1972

Delta Island/Tract	Total Acres Flooded	Year Flooded
Brack Tract	2,500	1904
Bradford Island	2,000	1950, 1983
Brannan Island	7,500	1902, 1904, 1907, 1909, 1972
Byron Tract	6,100	1907
Canal Ranch Tract	500	1958, 1986
Clifton Court Tract	3,100	1901, 1907
Coney Island	900	1907
Dead Horse Island	200	1950, 1955, 1958, 1980, 1986, 1997
Donlon Island	3,000	1937
Edgerly Island	150	1983
Empire Tract	3,500	1950, 1955
Fabian Tract	6,200	1901, 1906
Fay Island	100	1983
Franks Tract	3,300	1907, 1936, 1938
Glanville Tract	--	1986, 1997
Grand Island	--	1955
Grizzly Island	8,000	1983
Holland Tract	4,100	1980
Ida Island	100	1950, 1955
Jersey Island	3,400	1900, 1904, 1907, 1909, 1981, 1983
Little Franks Tract	350	1981, 1982, 1983
Little Mandeville Island	22	1980
Lower Jones Tract	5,700	1907, 1980
Lower Roberts Island	10,300	1906
Lower Sherman Island	3,200	1907, 1925
Mandeville Island	5,000	1938
McCormack Williamson Tract	1,500	1938, 1950, 1955, 1958, 1986, 1997, 2017
McDonald Island	5,800	1982
Medford Island	1,100	1936, 1983
Middle Roberts Island	500	1938
Mildred Island	900	1965, 1969, 1983
New Hope Tract	2,000	1900, 1904, 1907, 1928, 1950, 1986
Palm Tract	2,300	1907
Pescadero	3,000	1938, 1950
Prospect Island	1,100	1980, 1981, 1982, 1983, 1986
Quimby Island	700	1936, 1938, 1950, 1955, 1986
RD 1007	3,000	1925
RD 17	4,500	1901, 1911, 1950
Rhode Island	100	1938
Ryer Island	11,600	1904, 1907

Delta Island/Tract	Total Acres Flooded	Year Flooded
Sargent Barnhart Tract	1,100	1904, 1907
Sherman Island	10,000	1904, 1906, 1909, 1937, 1969
Shima	2,394	1983
Shin Kee Tract	700	1938, 1958, 1965, 1986
Staten Island	8,700	1904, 1907
Stewart Tract	3,900	1938, 1950, 1997
Terminous Tract	5,000	1907, 1958
Twitchell Island	3,400	1906, 1907, 1909
Tyler Island	8,700	1904, 1907, 1986
Union Island	2,400	1906
Upper Jones Tract	5,700	1906, 1980, 2004
Upper Roberts Island	500	1938
Van Sickle	--	1983, 2017
Venice Island	3,000	1904, 1906, 1907, 1909, 1932, 1938, 1950, 1982
Victoria Island	7,000	1901, 1907
Webb Tract	5,200	1950, 1980

Additionally, there have been other levee failures along the Sacramento and San Joaquin rivers during flood events. Some notable floods include 1950, 1955, 1983, 1986, and 1997 events. During these events Yuba City, Marysville, Linda/Olivehurst, Nicolaus, Manteca, and other areas were flooded.

K.4.5. Dam Failure and Safety Hazards

In the past 50 years, there have been only a small number of dam failures in California. The most catastrophic dam failure in California's history is that of the infamous St. Francis Dam in Los Angeles County, which failed in March 1928, shortly after construction of the dam was completed. This failure resulted in the deaths of more than 450 people and the destruction of nearly 1,000 homes and buildings. Numerous roads and bridges were also destroyed or damaged beyond repair. The Division of Safety of Dams (DOSD) was established as a direct result of this catastrophe. Other significant dam incidents in California's history include the Baldwin Hills Dam failure in 1963, the near failure of the Lower San Fernando Dam in 1971, and the failure of the spillway system at Oroville Dam in 2017.

In February 2017, the gated spillway at Oroville Dam, the tallest dam in the United States, suffered a failure within its concrete chute. A 60-foot-deep hole developed in the lower third of the chute as a result of normal spillway operations undertaken to

lower the reservoir in advance of a moderately large storm. The subsequent occurrence of the storm in the days after the initial incident and the inability to fully use the primary spillway led to the filling of the reservoir and the use of its unlined emergency spillway for the first time ever. After two days of usage and erosion of the unlined hillside and head cutting, concerns regarding the stability of the emergency spillway weir developed, and nearly 200,000 people downstream were evacuated.

K.5. FIRE HAZARDS

K.5.1. Wildfire

While California has long been recognized as one of the most fire-prone natural landscapes in the world, the 2017 and 2018 wildfire years saw unprecedented wildfires, which eclipsed fire events from previous years. As noted throughout this chapter, the 2017 and 2018 wildfires were by far the most destructive and deadly in recent California history. During 2017, over 9,000 fires were ignited in California. All other 2017 wildfire events were overshadowed by two fire events of catastrophic size and destruction; the Northern California Wildfire Complex in October 2017 and the Thomas Fire in December 2017; both of which were driven by extreme weather conditions coupled with large volumes of dry vegetation, affected by drought, in wildland urban interface (WUI) areas. The fires resulted in over 40 fatalities. The Thomas Fire, which burned through Ventura and Santa Barbara Counties, was the largest single recorded wildfire, by acreage, in California history to date as of January 2018, while the Tubbs Fire (part of the October 2017 Northern California Wildfire Complex) destroyed over 5,000 structures and took the lives of 22 people.

As of September 2018, over 5,700 wildfires had burned or were actively burning in California during the 2018 fire year. This includes the catastrophic Mendocino Complex Fire, which has burned over 450,000 acres and is 98 percent contained as of September 12, 2018, surpassing the 2017 Thomas Fire in size as the largest wildfire in California's history. The Carr Fire, which burned in Shasta and Trinity Counties in July and August 2018, destroyed over 1,600 structures, caused multiple fatalities, and burned 229,651 acres. Table K-4 lists the number of wildfires and the number of acres burned in California each year from 1987 to 2017. During this three-decade period, California annually averaged 8,782 fires that burned 555,762 acres. While the overall total number of fires per year has declined since 1987, the number of acres burned annually is highly variable between years, with an increase in larger single fires burning larger areas in some years, typically due to extreme weather conditions.

Table K-4. California Wildfires and Acres, 1987-2017, as of January 2018

	CAL FIRE (SRA)		Federal Firefighting Agencies (FRA)		Local Governments (LRA)*		Total	
	Number of Fires	Acres Burned	Number of Fires	Acres Burned	Number of Fires	Acres Burned	Number of Fires	Acres Burned
1987	8,062	87,000	4,374	744,000	1,040	42,000	13,476	873,000
1988	8,121	191,000	4,160	96,000	1,009	58,000	13,290	345,000
1989	6,635	73,600	2,547	87,800	842	12,000	10,024	174,400
1990	7,283	212,100	2,670	128,100	595	25,000	10,548	365,200
1991	6,271	23,100	2,681	18,800	657	2,300	9,609	44,200
1992	7,939	191,490	3,682	84,340	426	4,915	12,047	282,745
1993	6,688	122,606	1,774	67,646	227	119,527	8,689	309,779
1994	7,207	140,792	2,698	359,227	364	26,200	10,269	526,219
1995	6,601	121,198	1,563	78,414	328	10,203	8,492	209,815
1996	7,237	232,624	2,637	488,010	736	31,738	10,610	752,372
1997	6,835	57,788	2,180	198,431	487	27,666	9,502	283,885
1998	5,227	92,456	1,860	90,246	485	32,710	7,572	215,412
1999	7,562	285,272	3,139	865,621	424	21,957	11,125	1,172,850
2000	5,177	72,718	1,884	218,578	561	3,730	7,622	295,026
2001	6,223	90,984	2,567	275,152	527	11,203	9,317	377,340
2002	5,759	112,810	1,837	366,842	575	58,564	8,171	538,216
2003	5,961	404,328	1,783	399,635	543	161,807	8,287	965,770
2004	5,574	168,134	1,852	110,082	472	32,808	7,898	311,024
2005	4,908	74,004	1,604	139,399	725	65,811	7,237	279,214
2006	4,805	222,896	2,400	603,378	650	37,071	7,855	863,345
2007	3,610	434,667	1,932	990,730	501	95,565	6,043	1,520,362
2008	3,593	380,310	2,203	1,153,973	459	59,407	5,255	1,593,690
2009	2,858	75,960	1,820	339,908	2,332	36,101	7,010	451,969
2010	2,434	25,438	1,616	98,871	2,344	10,153	6,394	134,462
2011	3,056	51,889	2,021	73,124	2,655	103,586	7,732	228,599
2012	2,922	128,956	1,562	687,013	2,557	13,255	7,041	829,224
2013	3,672	114,473	2,213	450,126	3,004	37,036	8,889	601,635
2014	2,920	163,067	1,960	451,810	2,353	10,663	7,233	625,540
2015	3,231	291,282	2,184	577,115	2,868	6,137	8,283	880,899
2016	2,816	215,671	1,215	394,910	2,923	12,078	6,954	622,658
2017[a]	7,117****	505,956****	2,016***	742,650***	**	**	9,133	1,248,608

* This category includes county fire departments that protect State Responsibility Area (SRA) under contract in Kern, Los Angeles, Marin, Santa Barbara, and Ventura Counties. Starting in 2009, the "Local Governments" category also includes local fire departments that have a back contract with the California Department of Forestry and Fire Protection (CAL FIRE) for emergency response and fire protection.

** 2017 Local Responsibility Area (LRA) data pending publication of 2017 Annual Wildfire Activity Statistics Report (Redbook), not yet published as of May 2018.
*** Preliminary data; does NOT include other Federal Responsibility Area (FRA) lands, including U.S. Bureau of Land Management (BLM), National Park Service, U.S. Department of Fish and Wildlife, or Bureau of Indian Affairs (BIA) lands (all in U.S. Department of Interior).
**** SRA data preliminary.
Source: (CAL FIRE 2023a)

Figure K-8, based on California Department of Forestry and Fire Protection (CAL FIRE) datasets shows fire perimeters from 1985 to 2017. Fires are shown by decade intervals, overlaid on public lands shown in grey. The most significant 2017 fires – the Thomas Fire, which burned the largest number of acres ever recorded, and the fires that make up the Northern California Wildfire Complex, which burned the largest number of structures on record – are delineated with special coloring on the map.

An analysis of repeat fires in a given area, as shown in Figure K-9, illustrates that some areas in California are prone to burn with greater regularity than other areas. This is of special concern in the South and Central Coast regions, which show the highest frequencies. These regions have significant amounts of shrubland plant communities where wildfires typically occur as high-intensity, stand-replacement fires.

Figure K-8. California Fire Perimeters 1985-2017 and Selected 2018 Fires

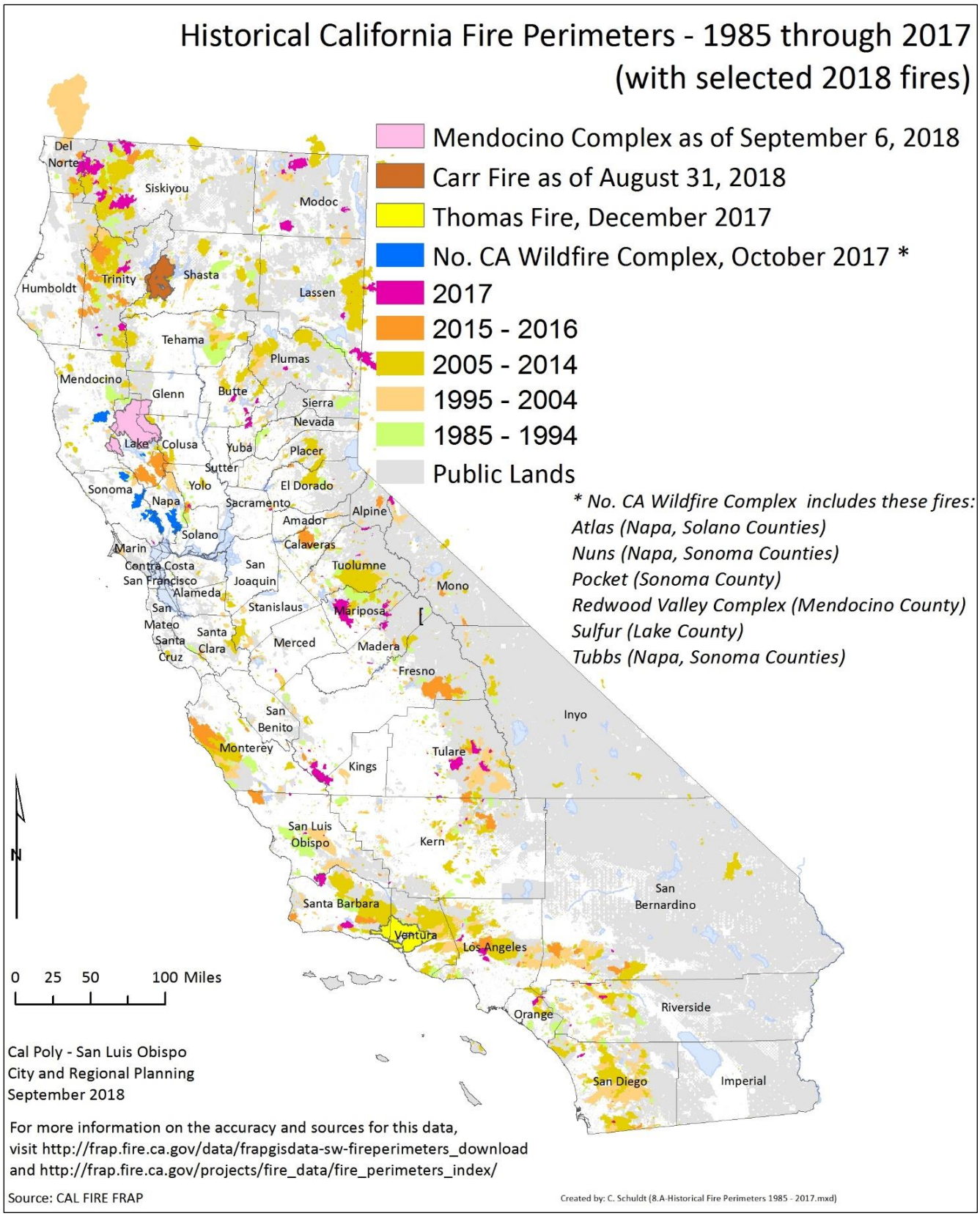
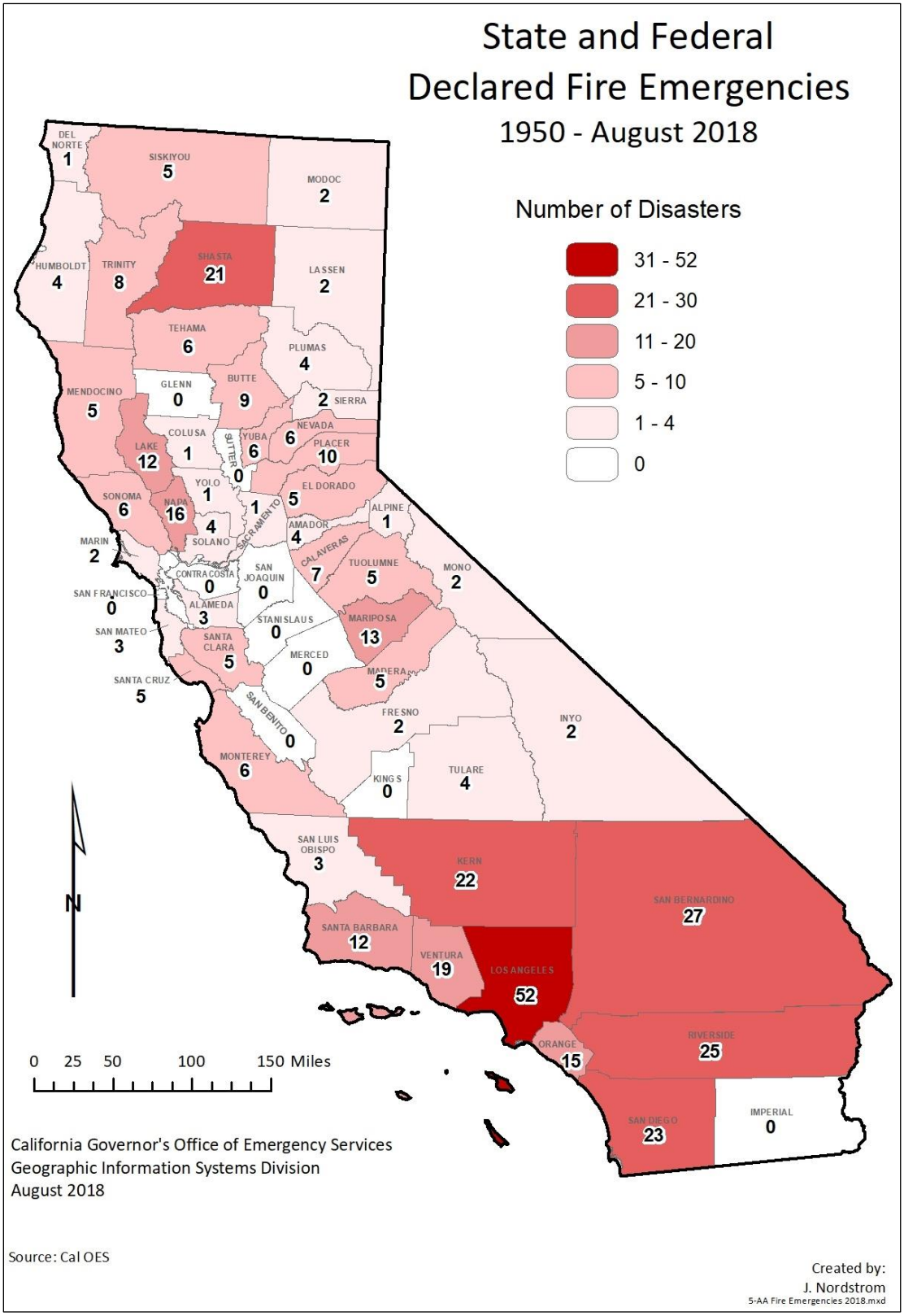


Figure K-9. State and Federal Declared Fire Disasters, 1950-February 2018



K.5.2. Urban Structural Fire Hazards

Structural fires are generally defined as fire originating in and burning any part or all of any building, shelter, or other structure, which may include residential, commercial, or industrial buildings. Table K-5 lists some of the notable urban structural fires in the State. Information on all fire incidents is reported to the State Fire Marshall and kept at the California Incident Data and Statistic Program. The listed events represent only a selection of urban structural fires.

Table K-5. Notable Urban Structural Fire History in California

Date(s)	Event Name	Location
1906	San Francisco Earthquake	San Francisco
Many buildings and infrastructure were destroyed in the 1906 San Francisco Earthquake, partially as the direct result of shaking, but also due to the fires exacerbated by damaged infrastructure. A series of shocks broke the water mains that served residences primarily made of wood, and dozens of fires erupted as the shaking subsided. The losses included over 28,000 buildings, 500 city blocks, 3,000 lives, and the homes of over 200,000 people.		
October 1991	Oakland Hills Firestorm	Oakland
The firestorm occurred within a larger high fire hazard zone that is part of an approximately 60-mile stretch of hills running from the Carquinez Strait to San Jose in the east San Francisco Bay Area, in portions of the cities of Oakland and Berkeley. In Oakland 2,777 units were destroyed or badly damaged and 69 additional units were destroyed in Berkeley. The fire happened in a largely built-out residential area that has a long-standing fire history linked to hot, dry fall winds and the presence of dense, flammable vegetation. Seasonably strong, dry winds drove flames furiously and rapidly across an approximately 2.5 square mile area of densely developed hillside neighborhoods.		
April 29 to May 1, 1992	Civil Unrest	Los Angeles
In the first 36 hours of the disturbance, 863 massive structures burned in a 105-square-mile area. A total of 50 persons died during the riots, and damages were estimated at over $1 billion, not all of which were a result of fires.		
February 2002	Santana Row Fire	San Jose
According to a technical report issued by the U.S. Fire Administration (USFA) in August 2002, 11 alarms were dispatched to the large structure fire and the numerous exposure fires ignited by flying embers. It required the combined effort of 221 firefighters and 65 pieces of apparatus. Fortunately, no one was killed and there were only minor injuries sustained by firefighters. Santana Row was to be a nine-building development that covered 42 acres and was spread out over several city blocks. Approximately six buildings in the 42-acre development were destroyed, causing more than $100 million in damage. Embers from the fire ignited roofs half a mile away, destroying more than 30 apartments and townhouses and causing an additional $2.5 million in damage. The cause of the fire ignition was unknown.		

Date(s)	Event Name	Location
September 9, 2010	San Bruno Pipeline Explosion	San Bruno
A 30-inch (76-centimeter)-diameter steel natural gas pipeline owned by Pacific Gas & Electric exploded into flames in a residential neighborhood 2 miles (3.2 kilometers) west of San Francisco International Airport. The loud roar and shaking led some residents of the area, first responders, and news media to initially believe that it was an earthquake or that a large jetliner had crashed. It took crews nearly an hour to determine that the explosion was caused by a gas pipeline. As of September 29, 2010, the death toll was eight people. The U.S. Geological Survey registered the explosion and resulting shock wave as a magnitude 1.1 earthquake. Eyewitnesses reported that the initial blast had a wall of fire more than 1,000 feet high. The explosion caused a fire that quickly engulfed nearby houses. Strong winds fanned the flames, hampering firefighting efforts. The blaze was fed by a ruptured gas pipe, and large clouds of smoke soared into the sky. According to the local fire chief, it took 60 to 90 minutes to shut off the gas after the explosion, and thus the gas continued to fuel the fire. The explosion and resulting fire leveled 35 houses and damaged many more. Three of the damaged houses, deemed uninhabitable, were torn down in December 2010, bringing the total to 38. About 200 firefighters battled the eight-alarm fire that resulted from the explosions. The neighborhood continued to burn into the night even after the exploding gas main had been shut off. The explosion compromised a water main and required firefighters to truck in water from outside sources. Firefighters were assisted by residents who dragged fire hoses nearly 4,000 feet (1,200 meters) to working hydrants. Ordinary citizens drove injured people and burn victims to the hospital. Mutual aid responded from all over the Bay Area; responding agencies included the California Department of Forestry and Fire Protection (CAL FIRE), which sent 25 fire engines, four air tankers, two air attack planes, and one helicopter.		
May 2013	Pallet Fire	Fontana
Towering stacks of wooden pallets covering a quarter acre of land turned into massive bonfires fanned by 25 mile-per-hour winds. Smaller spot-fires appeared in nearby brush but were extinguished by San Bernardino County firefighters before they could spread further.		
March 2014	--	Mission Bay area of San Francisco
A fire broke out in the Mission Bay area of San Francisco, destroying a seven-story, multi-million-dollar wood-frame apartment building under construction. Although the cause of the fire was unknown, it was fueled by a large amount of lumber, with no fire alarms or sprinklers yet installed. More than 150 firefighters and six ladder trucks responded to the fire. In addition to extinguishing the fire, efforts focused on keeping the fire from spreading to adjacent buildings, due to the high heat of the fire. One fire was ignited a block away due to embers landing on a roof, but it was quickly contained before it could spread. Low winds that day, combined with strong fire suppression, prevented this fire from becoming a significant urban conflagration.		

Date(s)	Event Name	Location
November 18, 2014	Santa Paula Wastewater Plant Explosion	Ventura Count
A vacuum truck exploded releasing organic peroxide, a highly volatile chemical that burns quickly. Additional hazardous materials were located nearby, creating concerns about potential hazardous smoke and fire. A mandatory evacuation within 1 mile of the facility was order in conjunction with a shelter-in-place order within a 3-mile radius. At least 37 people were treated for exposure.		
December 2014	Temple Fire	Los Angeles
Hundreds of Los Angeles firefighters battled a massive apartment fire in the city's historic downtown, shutting down portions of two major freeways. The fire engulfed a seven-story apartment tower that was under construction on Fremont Avenue. The flames damaged two nearby buildings, including several floors of a 16-story office structure. The apartment building, one of several upscale complexes to be built in downtown Los Angeles over the past 10 years as part of an effort to revitalize the city's urban center, occupied an entire city block. The fire was fueled by the building's wooden framework. The cause of the massive fire remains unknown.		
2016	Fruitland Metal Recycling Plant Fire	Maywood
The 2016 Fruitland metal recycling plant fire in Maywood, California, which released heavy metals and chemicals into the air, prompting Los Angeles County to issue health advisories.		
December 2, 2016	Ghost Ship Fire	Oakland
A warehouse fire that occurred in Oakland resulted in 40 deaths and left the city in a state of tragedy and loss. The warehouse was used as illegal studio living space with makeshift kitchens, large amounts of flammable materials such as wooden pallets and propane tanks, and appliances such as heaters, generators, and hot plates being used in dangerous conditions. The electrical system was overloaded and was observed to have been "modified," and extension cords and power strips, rather fixed outlets, were used throughout the warehouse to energize appliances. According to the Oakland Fire Department's "Origin and Cause Report," the fire originated in northwest area of the building's first floor, but the Fire Department was unable to make a conclusive determination of the cause of the fire.		
October 2017	Tubbs Fire	--
Fueled by high wind and urban structural fuel, this devastating fire, exemplifies the potential of a wildland urban interface wildfire to penetrate farther into densely populated urban areas than previously anticipated. That fire developed into an urban conflagration and resulted in the destruction of over 5,000 structures and 22 fatalities.		
September 20, 2022	Tesla Megapack Fire	Monterey County
A fire occurred in a lithium-ion battery facility. A shelter-in-place advisory was issued due to the potential release of hydrochloric and hydrofluoric acid. Testing conducted post-incident indicated there was no threat to human health or the surrounding environment.		

K.6. OTHER CLIMATE AND WEATHER-INFLUENCED HAZARDS

K.6.1. Agricultural and Silvicultural Pests and Diseases

K.6.2. Asian Citrus Psyllid

As of 2017, California is actively eradicating the ACP and has identified only one plant infected with HLB.

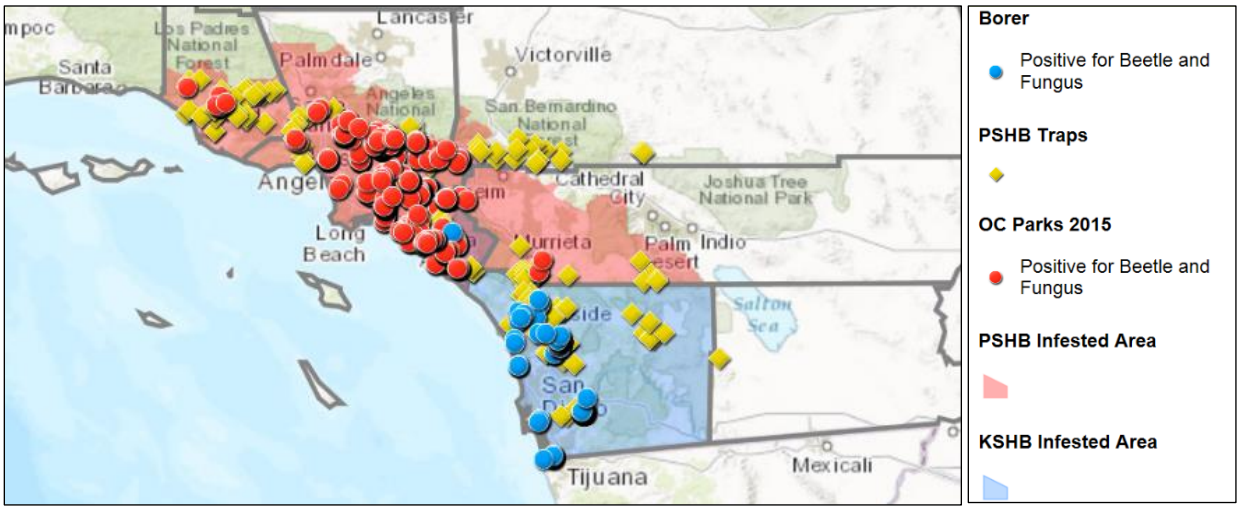
K.6.3. Shot Hole Borer Beetle

Table K-6 summarizes the different categories of host species in California, and Figure K-10 shows spread of the PSHB and KSHB in the southern portion of the State.

Table K-6. California Agricultural and Silvicultural Pests and Diseases, Change from 2012 to 2016

Number of:	2012	2016
Tree species attacked by beetle	286	303
Tree species infected by fungus	117	138
Agricultural crops affected	13	13
California native tree species affected	11	18
Tree families affected	62	64
Reproductive hosts	19	41

Figure K-10. Polyphagous Shot Hole Borer and Kuroshio Shot Hole Borer Spread in Southern California



K.6.4. Bark Beetles

Total tree mortality in California counties from Kern County in the southern portion of the State to Placer County in the north was estimated to be upward of 75 million trees according to 2016 U.S. Forest Service aerial detection survey data. This mortality extends across both private and federal timberlands.

K.6.5. Foot and Mouth Disease

The last outbreak of FMD in California was in 1929.

K.6.6. Bovine Spongiform Encephalopathy

The National Veterinary Services Laboratory in Ames, Iowa, confirmed that a routine surveillance sample obtained from a Holstein cow carcass at a rendering plant in the Central Valley of California was positive for the atypical strain of Bovine Spongiform Encephalopathy (BSE). No part of this carcass entered the human or animal food chain.

K.6.7. Other Animal Pests and Diseases

Diseases such as Exotic Newcastle Disease in poultry and tuberculosis in dairy cattle are credible threats to the State food supply and economy. Other diseases such as anthrax, and Deforming Wing Virus in honeybees, also pose a serious threat to the food supply.

K.6.8. Air Pollution

Air pollution is a continuing problem, with the largest concentration in the most populated air basins: the San Francisco Bay Area, San Joaquin Valley, Sacramento Valley, San Diego, and the South Coast. Pollutants include smog, soot, and toxic air contaminants (TACs). Some air toxic emissions in California are on the decline. Table K-7 shows the average quantities of emissions in tons per day from 2000 to 2015 as well as forecasts to 2035. Forecast emissions for future years take into account emissions data, projected growth rates, and future adopted control measures.

Table K-7. Air Pollutant Emission Trends and Forecasts in California, 2000-2035

Pollutant	2000	2005	2010	2015	2020	2025	2030	2035
Volatile Organic Compounds (VOC)	2,902	2,261	1,943	1,624	1,561	1,554	1,568	1,574
Nitrogen Oxides (NO_X)	3,782	3,214	2,324	1,887	1,553	1,312	1,224	1,200
Sulfur Oxides (SO_X)	289	287	123	78	82	88	94	101
Diesel Particulate Matter (PM)	86	88	54	31	25	23	23	25
$PM_{2.5}$	661	524	447	410	414	419	434	441
PM_{10}	2,436	1,700	1,549	1,491	1,525	1,544	1,572	1,590
Ammonia (NH_3)	730	741	752	719	742	770	776	779

Source: (CARB 2013)

K.7. AQUATIC INVASIVE SPECIES

Non-indigenous species (NIS) are transported to new environments, both intentionally and unintentionally, through human activities. Ships transfer organisms to California waters from throughout the world. Once introduced, invasive species could become a permanent part of an ecosystem and may flourish, creating environmental imbalances, presenting risks to human health, and causing significant economic problems. The introduction of non-indigenous species into California's marine, estuarine, and freshwater environments can cause significant economic, human health, and ecological impacts. A non-indigenous species is considered an invasive species when it becomes established in a new geographic location, causing impacts.

K.8. AVALANCHES

Avalanches have caused property damage and loss of life in California. As shown in Table K-8, between 1996 and 2016, there were 14 deaths and property damage of $140,000 reported due to avalanches. There are no recorded avalanches between 1950 and 1996. Avalanches pose a threat in the Sierra Nevada range on the eastern side of the State and the Cascade Range in the north. Significant avalanches have damaged or destroyed ski resorts at Mt. Shasta and Lake Tahoe, as well as blocked and damaged roadways.

Table K-8. Avalanches, 1950-2016

Period	Counties Affected (Number of Events)	Deaths
1996-2006	Amador (1), Alpine (1), Calaveras (1), El Dorado (2), Mono (3), Nevada (1), Placer (2), San Bernardino (1), San Diego (1), Sierra (1), Tuolumne (1)	2
2007-2016	Inyo (2), Nevada (1), Placer (6), San Bernardino (1), Siskiyou (3), Tulare (1),	12

Source: (NOAA 2023b)

K.9. DROUGHT AND WATER SHORTAGES

Drought has affected virtually every county in California at one time or another, causing over $5.1 billion in damages. Droughts exceeding three years are relatively rare in Northern California, the source of much of the State's water supply. The 1929-1934 drought, which affected the entire State, established the criteria commonly used in designing storage capacity and yield for large Northern California reservoirs. Significant droughts occurring within the past 50 years are briefly described below, followed by an in-depth discussion of the extended statewide drought that began in 2012 and ended in 2017.

K.9.1. The 1975-1977 Drought

California experienced one of its most severe droughts. Although people in many areas of the State are accustomed to very little precipitation during the growing season (April to October), they expect it in the winter. In 1976 and 1977, the winters brought only one-half and one-third of normal precipitation, respectively. Most surface storage reservoirs were substantially drained in 1976, leading to widespread water shortages when 1977 turned out to be even drier. Thirty-one counties were affected, resulting in $2.67 billion in crop damage.

K.9.2. 1987-1992 Drought

California again experienced a serious drought due to low precipitation and runoff levels. The hardest-hit region was the Central Coast, roughly from San Jose to Ventura. In 1988, 45 California counties experienced water shortages that adversely affected about 30 percent of the State's population, much of the dry-farmed agriculture, and over 40 percent of the irrigated agriculture. Fish and wildlife resources suffered, recreational use of lakes and rivers decreased, forestry losses and fires increased, and hydroelectric power production decreased.

In February 1991, DWR and Cal OES surveyed drought conditions in all 58 California counties and found five main problems: extremely dry rangeland, irrigated agriculture

with severe surface water shortages and falling groundwater levels, widespread rural areas where individual and community supplies were going dry, urban area water rationing at 25 to 50 percent of normal usage, and environmental impacts.

Storage in major reservoirs had dropped to 54 percent of average, the lowest since 1977. The shortages led to stringent water rationing and severe cutbacks in agricultural production, including threats to survival of permanent crops such as trees and vines. Fish and wildlife resources were in critical shape as well. Not since the 1928-1934 drought had there been such a prolonged dry period. In response to those conditions, the Governor established the Drought Action Team. This team almost immediately created an emergency drought water bank to develop a supply for four critical needs: municipal and industrial uses, agricultural uses, protection of fish and wildlife, and carryover storage for 1992.

The large-scale transfer program, which involved over 800,000 acre-feet of water, was implemented in less than 100 days with the help and commitment of the entire water community and established important links between State agencies, local water interests, and local governments for future programs.

K.9.3. 2007-2009 Drought

Water years 2007-2009 were collectively the 15th driest three-year period for DWR's eight-station precipitation index, which is a rough indicator of potential water supply availability to the State Water Project (SWP) and Central Valley Project (CVP). Water year 2007 was the driest single year of that drought and fell within the top 20 percent of dry years based on computed statewide runoff. In June 2008, a State emergency proclamation was issued due to water shortage in selected Central Valley counties. In February 2009, for the first time in its history, the State of California proclaimed a statewide drought. The State placed unprecedented restrictions on CVP and SWP diversions from the Delta to protect listed fish species, a regulatory circumstance that exacerbated the impacts of the drought for water users.

The greatest impacts of the 2007-2009 drought were observed in the CVP service area on the west side of the San Joaquin Valley, where hydrologic conditions combined with reduced CVP exports resulted in substantially reduced water supplies (50 percent supplies in 2007, 40 percent in 2008, and 10 percent in 2009) for CVP south of Delta agricultural contractors. Small communities on the west side highly dependent on agricultural employment were especially affected by land fallowing due to lack of irrigation supplies, as well as by factors associated with current economic recession.

The coupling of the drought and economic recession necessitated emergency response actions related to social services, such as food banks and unemployment assistance.

K.9.4. 2012-2017 Drought

The statewide drought of 2012-2017 will be remembered as one of the most severe and costliest droughts of record in California. The drought that spanned water years 2012 through 2017 included the driest four-year statewide precipitation on record (2012-2015) and the smallest Sierra-Cascades snowpack on record (2015, with 5 percent of average). It was marked by extraordinary heat; 2014, 2015, and 2016 were California's first, second, and third warmest years in terms of statewide average temperatures. By the time the drought was declared officially over in April 2017, the State had expended $6.6 billion in drought response and mitigation programs and had been declared a federal disaster area. The following discussion outlines the chronology of events and milestones reached during the drought as well as a summary of Executive Orders issued by the Governor, disaster assistance programs initiated, and grant programs designed to alleviate the impacts of the drought. Table K-9 lists major historical California drought incidents.

Following the dry water years of 2007-2009, water years 2010-2011 marked a return to slightly wetter than average conditions for most of the State. Precipitation in 2011 improved statewide reservoir storage, mitigating the dry conditions that occurred across most of the State in 2012. Although Northern California experienced a series of late November/early December storms in 2013, a record dry January through May resulted in dryness for most of the State, particularly the San Joaquin Valley and Southern California. The impacts of dry years during 2012 and 2013 were notably felt in the agricultural sector, especially rangeland grazing.

With the advent of an exceptionally dry water year in 2014, Northern California began experiencing the significantly below-normal precipitation that had characterized the southern part of the State in the prior years. A blocking high pressure ridge diverted storms away from the State during the key winter precipitation months of December and January, resulting in record warmth and dryness. Some locations in Northern California experienced 50 consecutive days with no measurable precipitation during months that historically exhibited maximum precipitation for the year.

Table K-9. Drought Incidents in California

Year	Number of Events	Jurisdictions Affected (Counties, Unless Otherwise Noted)	Statewide Crop Damage
1972	1	Glenn, San Benito, Santa Clara	$8 million
1976-1977	1	Alpine, Calaveras, Colusa, Fresno, Glenn, Madera, Merced, San Diego, San Joaquin, Solano, Stanislaus, Sutter, Tuolumne, Alameda, Butte, Contra Costa, Kings, Los Angeles, Riverside, San Luis Obispo, Tulare, Yolo, Amador, Monterey, Napa, Nevada, San Benito, San Bernardino, Tehama, San Mateo, Marin	$2.67 billion
1988	1	Madera County location emergency was ratified every two weeks through 1991.	Not Available
1990	2	Santa Barbara (City and County)	0
1991	1	Alameda, Alpine, Colusa, Fresno, City of Orange Cove, Glenn, Kern, Kings, Lake, Madera, Marin, Mendocino, Monterey, Placer, Santa Barbara, City of Santa Barbara, Shasta, Siskiyou, Solano, Sonoma, Sutter, Tehama, Tulare, Tuolumne, and Yuba. Many of these emergencies continued through 1992.	U.S. Department of Agriculture (USDA) - nationwide: $995 million for 1990-1991 crop loss. Additional $775 million in emergency funds for 1990-1992 crop losses.
2001	5	Del Norte, Modoc, Siskiyou, Inyo, Humboldt, Kern, Los Angeles, Ventura, Mono, Lassen, Plumas, San Bernardino, Santa Barbara, Sierra, Shasta, Trinity	Not Available
2002	3	Alpine, Amador, Calaveras, Imperial, Modoc, Nevada, Orange, Placer, Riverside, San Bernardino, Sierra, Stanislaus	$12,100
2007	1	Kings, Riverside	(data pending)
2008	1	Fresno, Kern, Kings, Madera, Merced, Sacramento, San Joaquin, Stanislaus, Tulare	(data pending)
2009	1	Fresno	(data pending)
2012	1	All counties	(data pending)
2013	1	All counties	(data pending)
2014	1	All counties	$810 million
2015	1	All counties	$900 million
2016	1	All counties	$921 million

Sources: (Pacific Institute 2015), (UC Davis 2023), (USDA 2023)

The Governor responded to the continuing drought conditions by forming a State interagency Drought Task Force in December 2013 to provide a coordinated assessment of the dry conditions and recommendations on State actions. The

continuing absence of precipitation led to a Governor's proclamation of emergency in January 2014 that ordered State agencies to take specified actions and called on Californians to voluntarily reduce their water usage by 20 percent. In March, the Legislature enacted, and the Governor signed, measures to provide $687.4 million for drought relief, with the largest amount of that funding ($549 million) dedicated to accelerated expenditure of Proposition 84 and Proposition 1E bond funds for grants to local agencies for integrated regional water management projects.

Above normal late spring 2014 precipitation ameliorated some of the worst-case water supply scenarios that had been considered earlier in the year. Hydrologic conditions did not improve sufficiently, however, to avoid record low allocations for some Central Valley Project (CVP) and State Water Project (SWP) contractors: zero to the CVP's agricultural contractors north and south of the Delta, zero to the CVP Friant Division contractors, and 5 percent to SWP contractors. Water year 2014 marked the first time that the Bureau of Reclamation's Friant Division contractors received a zero allocation of their Class 1 water. Reflecting the very dry hydrology, the State Water Resources Control Board (SWRCB) imposed widespread curtailments of diversions in locations including parts of the Sacramento-San Joaquin River watershed and the Eel and Russian River watersheds, another action that had not been taken since 1977.

The water project operating agencies (U.S. Bureau of Reclamation and DWR) coordinated with the regulatory agencies (SWRCB, the U.S. Fish and Wildlife Service, and the National Marine Fisheries Service) throughout the hydrologically challenging winter-spring water year 2014 runoff season. Decisions were made to balance impacts and to reserve water in storage to be able to meet critical needs such as cold water for salmon and health and safety needs for urban water users.

As the summer of 2014 wore on, increasing numbers of small water systems, often located on fractured rock groundwater sources in rural areas, were experiencing water shortages, as were rural residents dependent on private wells. Bulk water haulage and distribution of bottled water were used to help some rural communities.

Early seasonal rainfall in November and December 2014, delivered only a third of what would be needed to end the prolonged drought but combined with close coordination among federal and State agencies, allowed DWR to increase expected water deliveries for 2015 to most SWP customers from 10 to 15 percent of requested amounts. SWRCB announced that the statewide urban water conservation rate climbed to 22 percent in December but declined steeply in during January 2015, which was considered the driest January since meteorological records have been

kept. The March snowpack measurements taken by DWR indicated that the water content for the northern Sierra was 16 percent of average for the date. The central and southern Sierra readings were 20 percent and 22 percent of average, respectively. In response to the continuing dry winter, Governor Brown signed emergency legislation to fast track more than $1 billion in funding for drought relief and critical water infrastructure projects.

As the spring and summer of 2015 continued with little measurable precipitation, several new areas of drought response and mitigation were initiated, including construction of a temporary emergency barrier in the Sacramento-San Joaquin Delta to block saltwater from flowing into the central Delta and contaminating water supplies, and emergency actions designed to protect fisheries by releasing additional water into spawning rivers and relocating fish from threatened hatcheries. Additionally, the California Department of Housing and Community Development (HCD) and the California Building Standards Commission (CSBC) adopted new building codes to approve water efficiency requirements for both residential and non-residential construction, as well as schools and hospitals. Despite record-breaking heat in June and July, Californians continued to meet and surpass the Governor's 25 percent water conservation mandate, with a 27.3 percent reduction in water use in June and a 31.3 percent reduction in July.

Early predictions of an "El Nino" in water year 2016 led to a short-lived optimism that there might be a decline in the drought. Rain and snow levels this winter certainly improved from recent years, but not enough to draw the State out of the drought. Rain and snow levels during the winter varied significantly by region, with parts of Northern California receiving-higher-than average precipitation and most of Southern California receiving below-average precipitation.

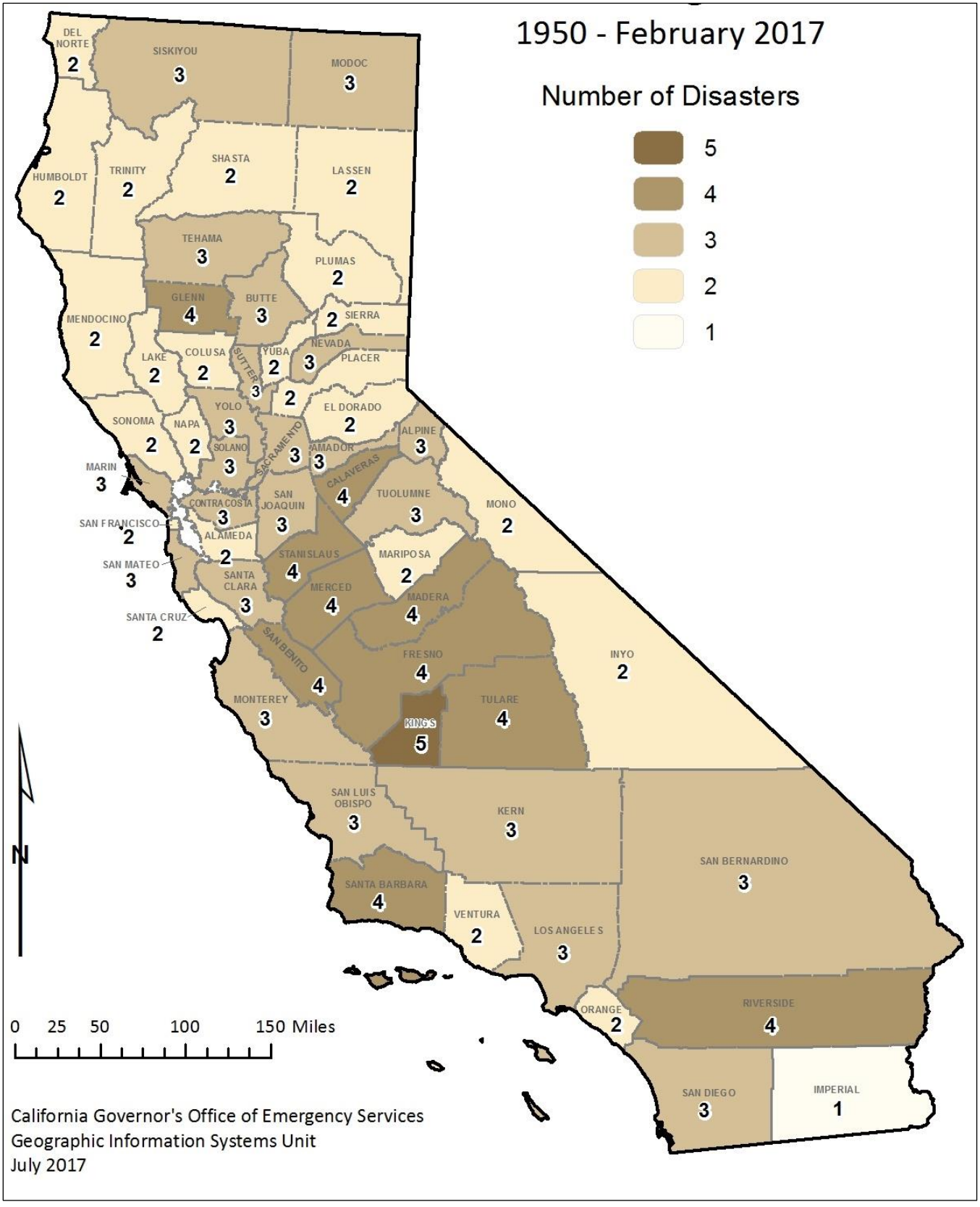
As of mid-April, the automated snow sensors showed snowpack conditions across the State at 70 percent of normal. Regionally, the northern Sierra was at 75 percent of average, the central Sierra was at 76 percent of average, and the southern Sierra was at 60 percent of average. Reservoir levels had increased throughout the State. Californians continued to conserve water, generally meeting the Governor's mandated target of 25 percent, and saving 1.19 million acre-feet of water from June 2015 through February 2016. However, groundwater conditions had not improved, with approximately 2,180 wells statewide being identified as critical or dry, affecting an estimated 10,900 residents, mostly in the Central Valley.

Water year 2017 (October 1, 2016, to September 30, 2017) surpassed the wettest year of record (1982-1983) in the Sacramento River and San Joaquin River watersheds and was close to the wettest year in the Tulare Basin (set in 1968-1969). Mountain snowpack was well above the April 1 seasonal averages throughout the Sierra Nevada, with the southern Sierra at more than 200 percent of average for the year to date.

The plentiful winter rain and unprecedented water conservation prompted the Governor to end the drought state of emergency on April 7, 2017, for all California counties except Fresno, Kings, Tulare, and Tuolumne, where emergency drinking water projects will continue to help address diminished groundwater supplies. Water reporting requirements and prohibitions on wasteful practices, such as watering during or right after rainfall, hosing off sidewalks, and irrigating ornamental turf in public street medians, will remain in effect for all Californians. The goal is to make conservation a way of life in California. The State will also continue its work to coordinate a statewide response on the unprecedented bark beetle outbreak in drought-stressed forests that has killed millions of trees across California. Although the severely dry conditions that afflicted much of the State starting in the winter of 2011-2012 are gone, damage from the drought will linger for years in many areas. The drought reduced farm production in some regions, killed an estimated 100 million trees, harmed wildlife and disrupted drinking water supplies for many rural communities. Another serious consequence that of land subsidence due to groundwater pumping, is discussed later in this section.

Figure K-11 shows the pattern of drought-declared disasters in California over the past 67 years. While heaviest concentrations are centered in the Central Valley area, no part of the State is immune from drought disaster.

Figure K-11. State and Federal Declared Drought Disasters, 1950-February 2017



K.10. ENERGY SHORTAGE AND ENERGY RESILIENCY

The following is a history of energy shortage events that impacted California between 2001 and 2017.

- **January 17, 2001, Northern California** – The California Independent System Operator (CAISO) declared a Stage three Emergency and notified the Governor's Office of Emergency Services (Cal OES) that Pacific Gas and Electric Company (PG&E) was dropping firm load of 500 megawatts (MW) in Northern California leading to rolling blackouts. Cal OES, in turn, issued an Electrical Emergency Message to all Emergency Services Agencies to prepare for rolling blackouts. This scenario was repeated the following day, January 18, 2001, and again on March 19, 2001.
- **July 2006, Statewide** – A July 2006 heat storm event affected the entire State as well as most of the West, producing record energy demand levels in California. The State was able to avoid rotating outages due to a combination of favorable factors that included no major transmission outages, lower than typical generator outages, significant customer response to pleas for energy conservation, high imports from the Pacific Northwest despite unusually high loads, outstanding cooperation among western control area operators, and prompt response to fires that potentially threatened major interties. However, the event brought to light the vulnerability of the electric distribution system, as over 3,500 distribution transformers failed, leaving over 2 million customers without power at various times over the 10-day event, many for several hours and a small minority for up to three days.
- **September 8, 2011, Southern California** – An 11-minute system disturbance occurred in the Pacific Southwest, leading to cascading outages and leaving approximately 2.7 million customers without power. The outages affected parts of Arizona, Southern California, and Baja California, Mexico. All of the San Diego area lost power, with nearly 1.5 million customers losing power, some for up to 12 hours. The disturbance occurred near rush hour, on a business day, snarling traffic for hours. Schools and businesses closed, some flights and public transportation were disrupted, water and sewage pumping stations lost power, and beaches were closed due to sewage spills. Millions went without air conditioning on a hot day.
- **October 23, 2015, San Fernando Valley** – Southern California Gas Company (SoCalGas) discovered a leak in one well within its Aliso Canyon storage field in the northern San Fernando Valley. The company stores natural gas underground

at this storage field until it is pumped up and delivered to its customers. This storage field and others in California help meet peak seasonal demand for natural gas in the State during the winter months. Attempts to plug, or kill, the leaking well failed in November and December 2015. During that time actions were taken to reduce the amount of gas leaking from the facility, including withdrawing gas to reduce the gas pressure, and curtailing injections of gas into the storage facility. Recognizing that the storage field could be out of service or available only at reduced capacity for an extended period, the California Energy Commission (CEC), the California Public Utilities Commission (CPUC), Department of Conservation Division of Oil, Gas, and Geothermal Resources (DOGGR), Cal OES, and other State agencies, as well as CAISO and the Los Angeles Department of Water and Power (LADWP), began assessing the potential impacts on natural gas and electricity reliability. Although the levels of methane gas escaping from the leak were too low to raise flammability concerns, the additive odorant called Scentinel T-50 was shown to cause limited short-term eye and skin irritation to residents of Porter Ranch, the closest community to the Aliso Canyon facility. The California Department of Public Health published a fact sheet on its website to educate residents on the public health impacts and to inform residents that Southern California Gas Company would temporarily relocate residents who were experiencing health effects.

- **February 18, 2016, Aliso Canyon** – State officials announced that the leak was permanently plugged after 119 days. Although the well had stopped leaking, DOGGR maintained the moratorium prohibiting Southern California Gas Company from injecting natural gas for storage at the facility until completion of a comprehensive safety review. This safety review required all 114 wells at the Aliso Canyon storage facility to be either thoroughly tested for safe operation or removed from operation and isolated from the underground reservoir. The Natural Gas Storage: Moratorium 2015-2016 (SB 380) codified this directive.
- **July 19, 2017, Aliso Canyon** – State regulators confirmed the safety of the Aliso Canyon natural gas storage facility and cleared Southern California Gas Company to resume limited injections at the field to help prevent energy shortages, once certain conditions were met. That same day, CEC issued a letter to the California Public Utilities Commission (CPUC) urging it to plan for the permanent closure of the facility within 10 years.

K.11. EPIDEMIC/PANDEMIC/VECTOR BORNE DISEASE

K.11.1. Pandemic Influenza

In 2009 a pandemic of H1N1 influenza, popularly referred to as the swine flu, resulted in many hospitalizations and deaths. Pandemic H1N1 influenza is spread in the same way as seasonal influenza, from person to person through coughing or sneezing by infected people.

K.11.2. Mosquito-Borne Viruses

Mosquito-borne viruses belong to a group of viruses commonly referred to as arboviruses (for arthropod-borne). Although 12 mosquito-borne viruses are known to occur in California, only West Nile virus (WNV), western equine encephalomyelitis virus (WEE), and St. Louis encephalitis virus (SLE) are significant causes of human disease. WNV continues to seriously affect the health of humans, horses, and wild birds throughout the State. Since 2003, there have been over 6,000 WNV human cases with 248 deaths, and over 1,200 equine cases. Consequently, the California Arbovirus Surveillance Program emphasizes forecasting and monitoring the temporal and spatial activity of WNV, WEE, and SLE. These viruses are maintained in wild bird-mosquito cycles that do not depend upon infections of humans or domestic animals to persist. Surveillance and control activities focus on this maintenance cycle.

Figure K-12 illustrates WNV activity around the State as of mid-2018. Table K-10 summarizes WNV activity for the period of 2003 to 2016. In 2016, 19 fatal human cases of WNV were recorded, down from the previous year. Current information on incidence of WNV is available on the website maintained by the California Department of Public Health (CDPH) at: www.westnile.ca.gov.

Figure K-12. West Nile Virus Activity in California Counties

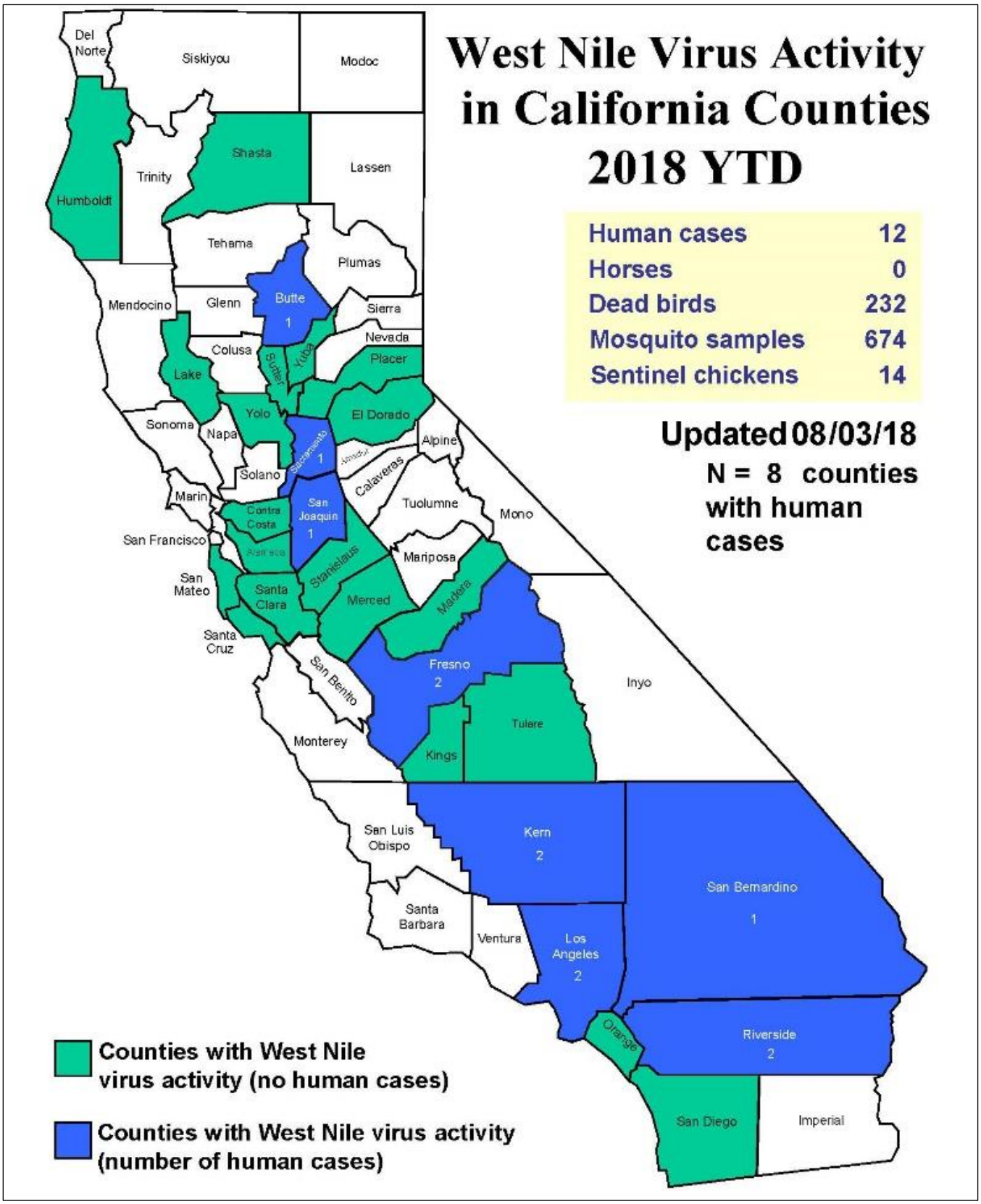


Table K-10. West Nile Virus Activity, 2003-2016

	Number of Cases by Year					
Element	**Human Cases (fatal)**	**Horses**	**Dead Birds**	**Mosquito Samples**	**Sentinel Chickens**	**Squirrels**
2003	3* (0)	1**	96	32	70	-
2004	779 (29)	540	3,232	1,136	809	49
2005	880 (19)	456	3,046	1,242	1,053	48
2006	278 (7)	58	1,446	832	640	32
2007	380 (21)	28	1,396	1,007	510	26
2008	445 (15)	32	2,569	2,003	585	32
2009	112 (4)	18	515	1063	443	10
2010	111 (6)	19	416	1305	281	24
2011	158 (9)	15	688	2087	391	24
2012	479 (20)	22	1,644	2,849	540	23
2013	379 (15)	13	1,251	2,528	485	0***
2014	801 (31)	0***	2,442	3,340	443	0***
2015	782 (53)	0***	1,349	3,329	449	0***
2016	442 (19)	0***	1,352	3,528	343	0***
Total	6,029 (248)	1,202	21,442	26,281	7,042	276

* Plus 20 imported human cases
** Plus three imported horse cases
*** No longer monitored
Source: (CDPH 2023)

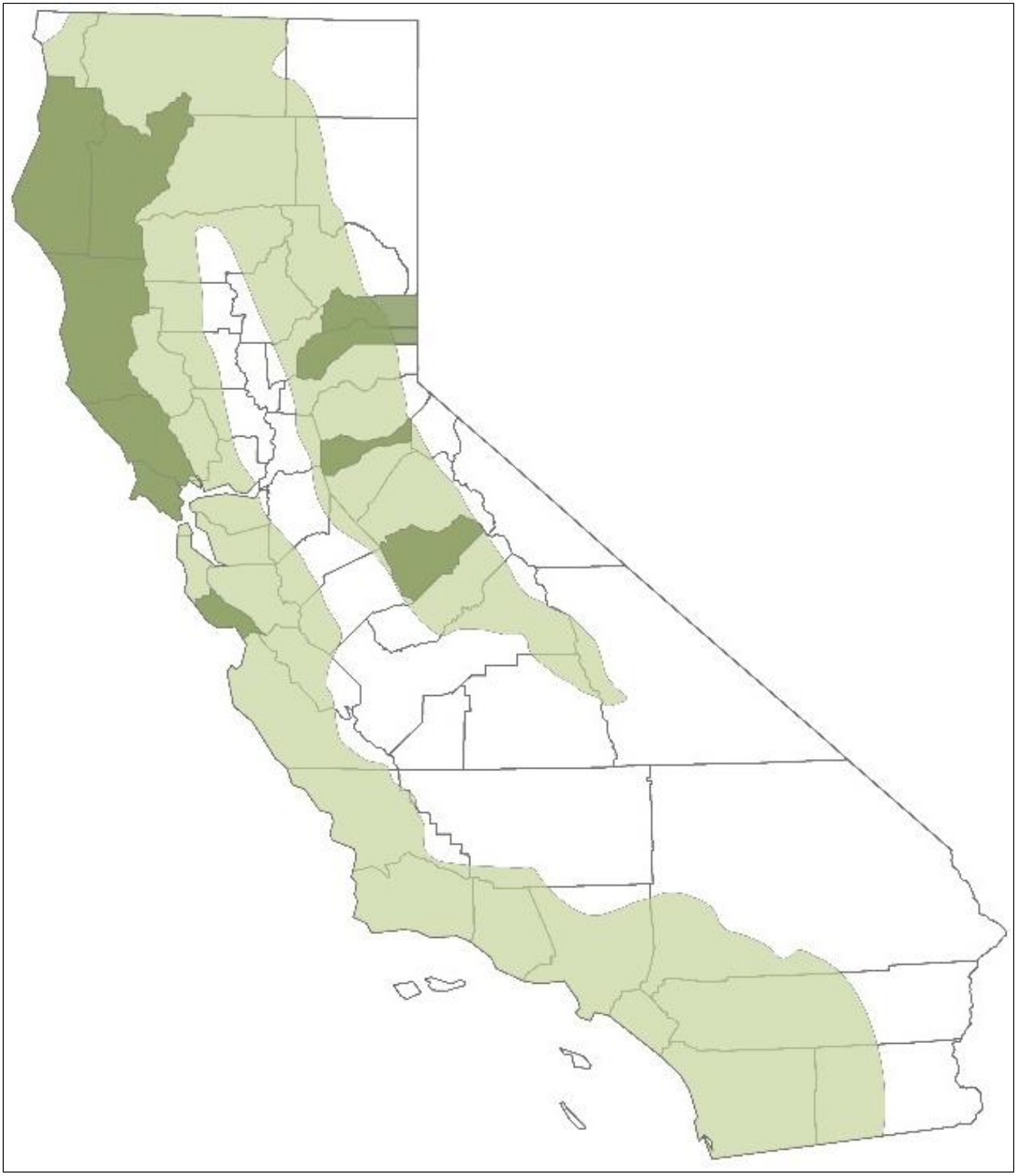
K.11.3. Exotic Aedes Mosquitoes

Two invasive (non-native) mosquito species have been found since 2011 in numerous California cities, and there is a potential for them to continue to spread into other areas of California. The two species are Aedes aegypti (the yellow fever mosquito) and Aedes albopictus (the Asian tiger mosquito). As of 2017, these mosquitoes are found in 12 counties, primarily in Central and Southern California. For information, visit: https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/AedesDistributionMap.pdf.

K.11.4. Lyme Disease

Figure K-13 shows Western black-legged tick and Lyme disease incidence in California. The Western black-legged tick is common in all green areas on the map; dark green areas show where reported Lyme disease cases most often had exposure.

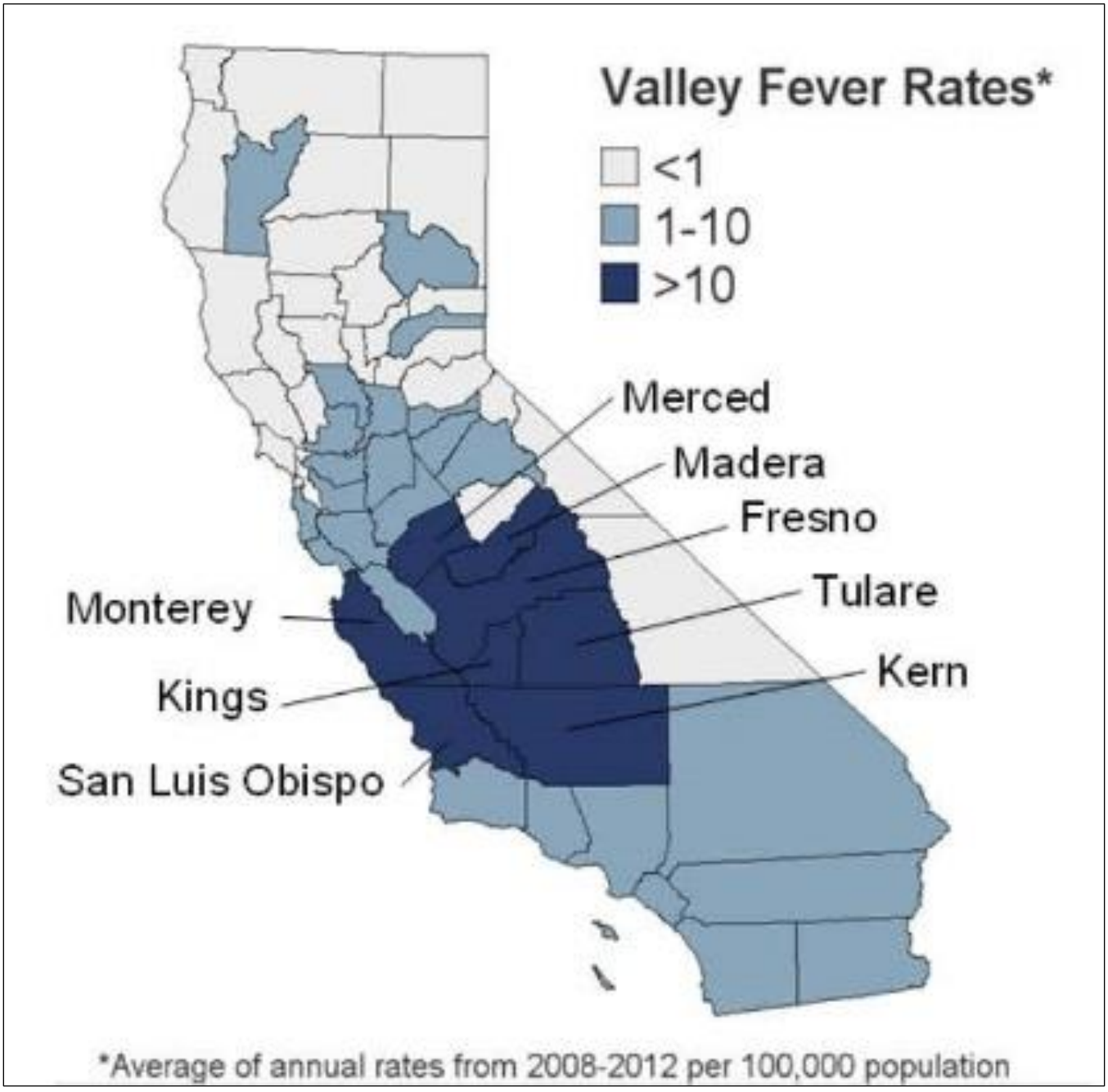
Figure K-13. Western Black-Legged Tick and Lyme Disease Incidence in California



K.11.5. Valley Fever

Most cases of Valley Fever in the U.S. occur in people who live in or have traveled to the southwestern United States, especially Arizona and California. Figure K-14 shows the areas where the fungus that causes Valley Fever is thought to be endemic, or native and common in the environment. The full extent of the current endemic areas is unknown and is a subject for further study.

Figure K-14. Valley Fever Average Annual Rates by California County



K.12. EXTREME HEAT

Heat waves do not cause damage or elicit the immediate response that floods, fires, earthquakes, and other disasters do. However, they have claimed many more lives when compared with other disasters. The worst single heat wave event in Southern California for loss of life occurred in 1955, when an eight-day heat wave is said to have resulted in 946 deaths. The summer 2006 heat wave in California caused the deaths of about 650 people over a 13-day period. County coroners and medical examiners reported at least 140 deaths from extreme heat between July 15 and August 1, 2006 (Knowlton, et al. 2009). Another study concluded actual mortality during the July 2006 heat wave was two to three times greater than the coroner estimates (Ostro, et al. 2009). In comparison, other types of disasters, such as recent earthquakes and fires, have caused in fewer deaths. For example, the 1989 Loma Prieta Earthquake resulted in 63 deaths, while the 1992 Northridge Earthquake was responsible for the loss of 55 lives. The catastrophic 2003 Southern California firestorms resulted in 24 deaths.

K.13. FREEZE

Figure K-15 shows the pattern of declared freeze disasters in California since 1950. Greatest concentrations are in the Central Valley, followed by areas north and south of the San Francisco Bay Area and portions of Southern California. Table K-11 lists freeze disasters that have occurred in the State since 1950.

Figure K-15. State and Federal Declared Freeze Disasters, 1950-February 2017

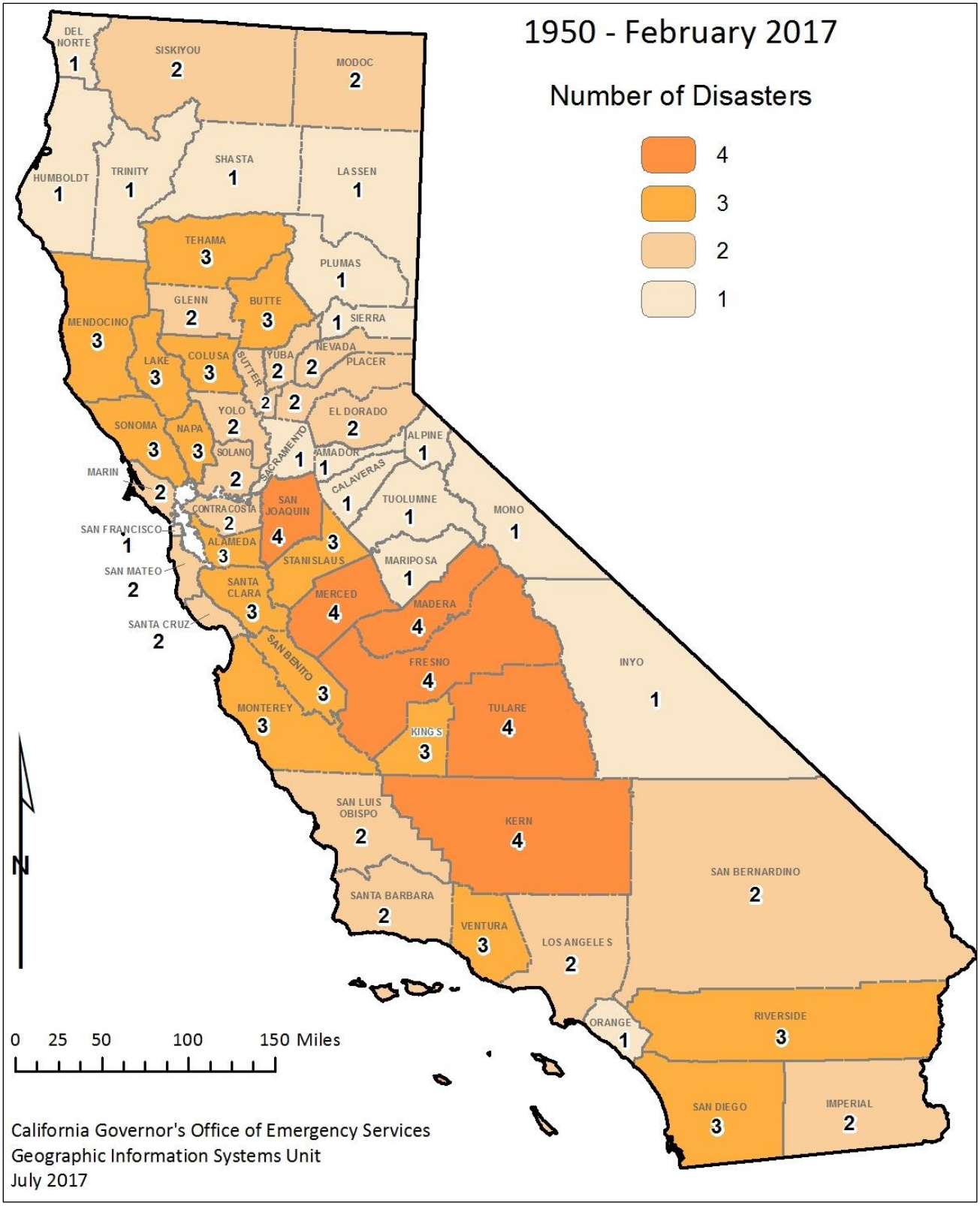


Table K-11. Freeze Disasters, 1950 to Present

Year*	Number of Incidents	Counties Affected	Crop Damage
1969	1	San Diego	$10 million
1972	2	Colusa, El Dorado, Fresno, Kern, Kings, Lake, Madera, Merced, Modoc, Nevada, Placer, San Benito, San Joaquin, Santa Clara, Stanislaus, Siskiyou, Tehama, Tulare	$113.5 million
1973	1	Alameda, Contra Costa	$8-$10 million
1990	1	Alameda, Butte, Colusa, Fresno, Glenn, Imperial, Kern, Los Angeles, Madera, Marin, Merced, Mendocino, Monterey, Napa, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Solano, Sonoma, Stanislaus, Sutter, Tehama, Tulare, Ventura, Yolo, Yuba	$852.4 million
1998-99	1	Fresno, Kern, Kings, Madera, Merced, Monterey, Tulare, Ventura	N/A
2001	3	Butte, Colusa, Fresno, Glenn, Madera, Mariposa, Merced, Plumas, Sutter, Tehama, Tuolumne, Yuba	N/A
2002	5	Butte, Colusa, Glenn, Lake, Marin, Mendocino, Napa, Orange, Riverside, Sacramento, Shasta, Sonoma, Tehama, Trinity	N/A
2007	1	Alameda, Amador, Calaveras, El Dorado, Fresno, Glenn, Imperial, Kern, Kings, Lake, Los Angeles, Madera, Marin, Mendocino, Merced, Monterey, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Solano, Stanislaus, Tulare, Ventura, Yolo, Yuba	$1.3 billion
2008	11	Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Madera, Marin, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Sacramento, San Joaquin, San Mateo, Santa Clara, Shasta, Siskiyou, Stanislaus, Solano, Sonoma, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba	$137,000
2009	15	Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Madera, Marin, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Sacramento, San Joaquin, San Mateo, Santa Clara, Shasta, Siskiyou, Stanislaus, Solano, Sonoma, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba	N/A
2010	9	Fresno, Kern, Kings, Madera, Mariposa, Merced, Modoc, Siskiyou, Tulare	N/A
2011	10	Del Norte, Fresno, Humboldt, Kern, Kings, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Napa, Siskiyou, Sonoma, Trinity, Tulare	$300.44 million
2012	12	Fresno, Kern, Kings, Madera, Mariposa, Merced, Modoc, Siskiyou, Tulare	N/A

Year*	Number of Incidents	Counties Affected	Crop Damage
2013	19	Fresno, Imperial, Kern, Kings, Madera, Mariposa, Merced, Modoc, Riverside, San Bernardino, Siskiyou, Tulare	$440.35 million
2014	12	Fresno, Kern, Kings, Madera, Mariposa, Merced, Modoc, Siskiyou, Tulare	N/A
2015	14	Fresno, Imperial, Kern, Kings, Madera, Mariposa, Merced, Modoc, Riverside, San Bernardino, Siskiyou, Tulare	N/A
2016	6	Kern, Modoc, Siskiyou	N/A

Source: (USDA 2023); (NOAA 2023b)

K.14. SEVERE WEATHER AND STORMS

The information in Table K-12 extends back to 1993 because that is the year that Cal OES began tracking disaster recovery history information. The 1993 storm was the first federally declared flood disaster since Stafford Act implementation began in 1988.

Table K-12. Federally Declared Storm Disasters Since 1993 (as of February 2018)

Disaster #*	Date*	# of Counties Affected	# of Deaths**	Damage in $
DR-979	Jan-Mar 1993	20	20	$175,734,172
DR-1046	Feb-Apr 1995	41	17	$110,327,382
DR-1044	Jan-Feb 1995	33	11	$143,991,187
DR-1155	Dec 1996-Apr 1997	47	8	$174,408,427
DR-1203	Feb-Apr 1998	43	17	$367,638,469
DR-1577	Dec 2004-Jan 2005	7	0	$258,456,701
DR-1585	Feb 2005	7	0	$77,765,373
DR-1628	Dec 2005-Jan 2006	13	0	$155,861,541
DR-1646	Mar-Apr 2006	17	0	$35,332,696
DR-1884	Jan-Feb 2010	6	2	$28,328,920
DR-1952	Dec 2010-Jan 2011	12	0	$75,384,562
DR-4301	Jan 2017	34	–	$78,667,600
DR-4302	Jan 2017	Hoopa Valley Tribe	–	$3,296,420
DR-4305	Jan 20147	22	–	$39,993,640
DR-4308	Feb 2017		–	$199,828,031
DR-4312	Feb 2017	Resighini Rancheria	–	$269,935
TOTAL				**$2,112,685,689**

* Source: (FEMA 2023a)
** Information on number of deaths from storm related disasters is not available as of February 2018

As shown in Table K-13, between 1950 and 2017, 354 tornadoes occurred in California, resulting in 87 injuries and more than $103 million in property damage, as well as $267,000 in reported crop damage. No known deaths occurred as a result of

California tornadoes, however, and the State has never proclaimed a state of emergency or had a federal disaster declared as the result of a tornado event.

Table K-13. Tornado Losses, 1950-2017

Magnitude	Number	Injuries*	Property Damage*	Crop Damage*
F0	236	8	$38 million	$212,000
F1	93	26	$18 million	$55,000
F2	23	47	$45 million	N/A
F3	2	6	$2.5 million	N/A

* 2013-2017 updates pending
Source: (Tornado Project 2018), (NOAA 2023)

Of the 354 tornadoes that occurred in California between 1950 and 2017, only two reached F3; 23 were F2, 93 were F1, and the remaining 236 were at F0. Based on the number of events within the recorded period, in the 67 years between 1950 and 2017, the average recurrence interval of an F0 tornado was about 3.7 per year; the interval for an F1 tornado was about 1.5 per year, the interval for an F2 tornado was approximately once every 2 years, and the interval for an F3 tornado was once every 28 years. However, both F3 tornadoes occurred within a five-year period (1973-1978). The biggest risks of tornadoes in California include light to moderate damage to homes, destruction of mobile homes, and injuries caused by light object projectiles.

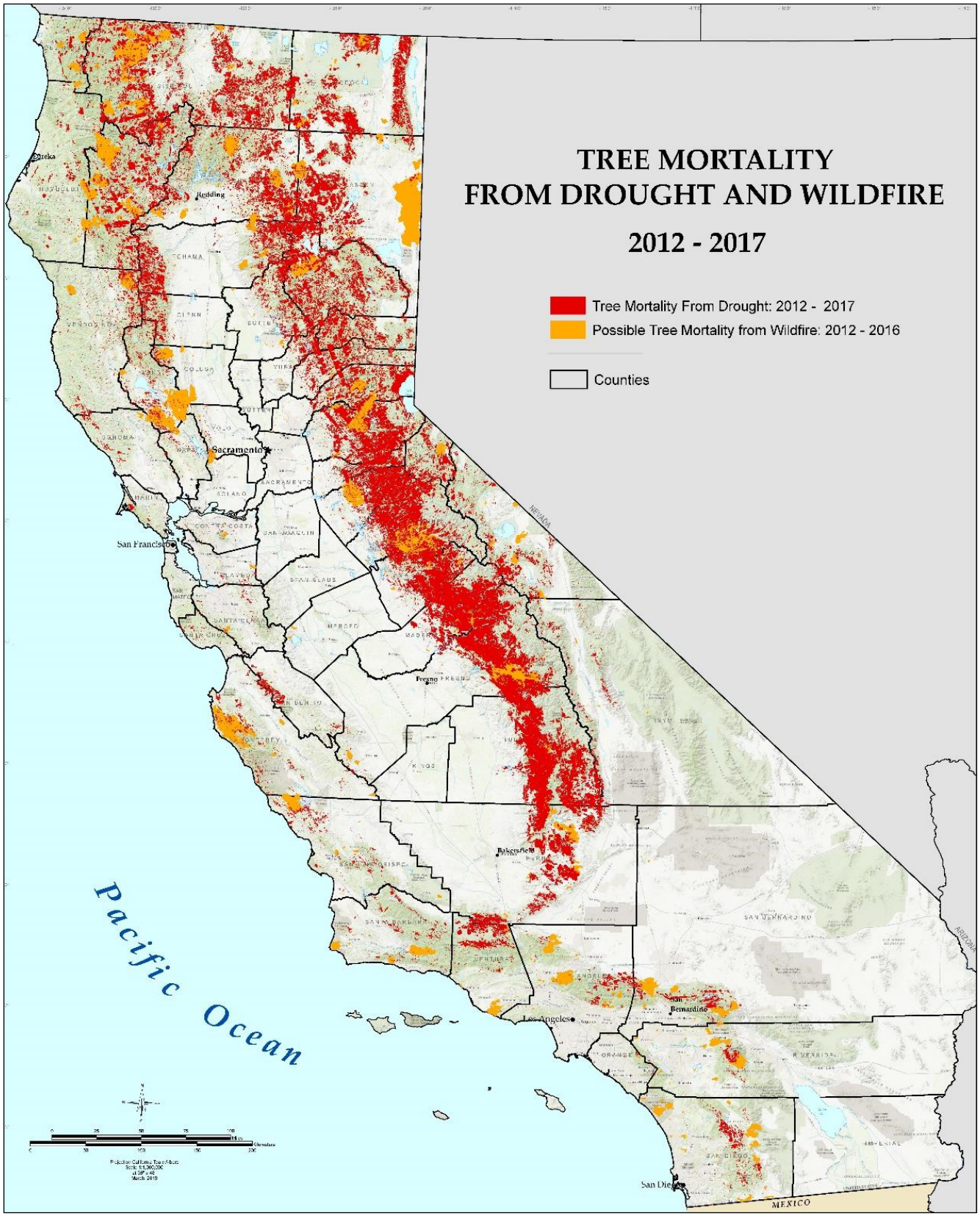
K.15. TREE MORTALITY

In California, drought is a recurring event and a catalyst for thousands of acres of stressed trees, bark beetle outbreaks, and extremely high levels of tree mortality. Due to the drought, tree mortality levels have substantially increased in forests in California over the past several years. Figure K-16 identifies all tree mortality recorded between 2012 and 2017 throughout the State.

An estimated 29 million trees covering three million acres died in 2015 alone. From 2010 through the fall of 2017, approximately 129 million trees died on 8.9 acres.

Tree mortality is occurring statewide but is particularly dramatic on the west side of the southern Sierra Nevada range and in parts of the Transverse range. As of 2017, there are over 1 million acres with high levels of tree mortality across the Stanislaus, Sierra, and Sequoia National Forests. Forest managers are recording 50 percent to greater than 75 percent conifer mortality between 3,000 to 6,000 feet elevation.

Figure K-16. Tree Mortality from Drought and Wildfire, 2012-2017



K.16. HAZARDOUS MATERIAL RELEASE

Accidental hazardous materials releases occur many times during any given day. Most incidents are minor, but some do cause significant impacts such as injuries, evacuation, and the need for cleanup. Table K-14 summarizes major historical events.

K.17. OIL SPILLS

Table K-15 lists historic oil spills that have either occurred in California or have contributed to environmental legislation and regulatory requirements for the oil industry.

Table K-14. Hazardous Materials Releases Incidents in California

Date	Location	Disaster
1964	Alaska	Earthquake (magnitude 9.2) and tsunamis
Standard Oil Company's storage tanks toppled; break in hose connections to tanker loading diesel fuel; fire; rail cars exploded; Texaco bulk oil storage yard ignited.		
1971	San Fernando	Earthquake (magnitude 6.6)
100 natural gas leaks responded to by fire departments; one-third caused fires; also 18 hazardous materials leaks, 12 of which caused fires.		
April 28, 1973	Roseville	N/A
A railroad accident focused national attention on the hazards of munitions involved in fires. A hot brake shoe ignited the oak-wood floor of a Department of Defense boxcar carrying 250-pound bombs filled with Tritonal (TNT/aluminum). The bombs were being transported from the Naval Ammunition Depot in Hawthorne, Nevada, to the ship load-out port facility at the Naval Weapons Station in Concord, California. The train had just entered the yard in Roseville when a fire was observed coming from one of the boxcars. The fire department was summoned but, before they could act, a large explosion demolished a boxcar and spread the fire. Over a period of approximately 32 hours, 18 boxcars exploded in succession. The railroad yard was essentially destroyed. No one was killed but about 100 people were injured. There was about $24 million in property damage to the railroad yard and the surroundings. The litigation that followed lasted for several years and cost the government millions of dollars.		
1983	Coalinga	Earthquake (magnitude 6.7)
Many natural gas line breaks; at least nine hazardous materials releases, including a spill of strong acids and bases at a community college; one caused a fire.		
1987	Whittier Narrows	Earthquake (magnitude 6.1)
1,411 natural gas line breaks, three of which caused fires; 30 hazardous materials releases.		
1989	Loma Prieta	Earthquake (magnitude 6.7)
Hundreds of natural gas leaks; over 300 releases of hazardous materials, including asbestos.		

Date	Location	Disaster
1994	Northridge	Earthquake (magnitude 6.8)
More than 15,000 natural gas leaks; over 200 fires; hazardous materials problems at 134 locations; 60 incidents requiring offsite hazardous materials response; fires and hazardous materials releases at California State University (CSU) Northridge science laboratory complex.		
August 6, 2012	Richmond	N/A
Following a leak and the subsequent ignition of diesel fuel, a series of explosions and fires occurred at Chevron's refinery in Richmond, California. Thousands of East Bay residents were ordered to stay in their homes (shelter in place) with the windows and doors closed. Fortunately, there were no fatalities, but one refinery worker suffered burns to his wrist and was treated at the onsite clinic.		

Table K-15. Summary of California and Other Significant Oil Spills

Spill	Date	Area Affected	Estimated Amount
Lakeville Gusher - Kern County	May 14, 1910– September 1911	Not available	378,000,000 gallons (9,000,000 barrels)
Known as the Lakeville Gusher, this incident involved an oil well that blew out on March 15, 1910. The oil well was being drilled at 2,440 feet below the surface in Kern County between the towns of Taft and Maricopa. The well was drilled into a high-pressure oil-bearing zone. The uncontained oil blew much of the steel casing out of the well and resulted in an estimated 9 million barrels of crude oil pouring from the ground. This was considered the largest documented oil spill in history and has only recently been surpassed by the Deepwater Horizon Oil Spill in the Gulf of Mexico. To mitigate the spread of oil, workers circled the well with sandbags and built an earthen dam 20 feet high and 50 feet thick in the canyon mouths above the well to prevent flash flooding from further dispersing the oil. The well ultimately caved in and sealed itself on September 9, 1911, nearly 18 months after it blew. The site is designated as California Historical Landmark Number 485.			
Santa Barbara	January 28, 1969– February 8, 1969	35 miles mainland coastline;800-square mile slick	3,000,000 gallons (102,620 barrels)
3,600 birds, seals, dolphins, fish, intertidal invertebrates $17 million in lawsuit settlements for property damage			

Spill	Date	Area Affected	Estimated Amount
Exxon Valdez	March 24, 1989	1,300 miles of shoreline	11,000,000 gallons (257,000 barrels)
Although the 1989 Exxon Valdez oil spill in Prince William Sound, Alaska did not directly affect the California environment or economy, it is significant for several reasons. First, it highlights the interconnectivity of oil production and distribution systems. The Exxon Valdez was en route from the Alyeska Pipeline Terminal to Long Beach, California when it ran aground, rupturing 8 of the 11 cargo tanks holding crude oil. Secondly, although in size the spill is no longer listed in the top 50 international oil spills, it is still considered to be one of the largest in terms of environmental damage. Finally, because of the environmental impacts, the Exxon Valdez oil spill resulted in landmark environmental legislation and more rigorous oil industry regulations. 250,000 seabirds, 2,800 sea otters, 300 harbor seals, 250 bald eagles,33 killer whales, billions of salmon and herring eggs $2.1 billion for clean-up by Exxon			
American Trader	February 7, 1990	About 13 miles of coastline plus offshore area	416,598 gallons
On February 7, 1990, off Huntington Beach, California, the oil tanker American Trader ran over its anchor, puncturing its hull and spilling an estimated 416,598 gallons of crude oil. An estimated 3,400 birds and an unknown number of fish were killed, and recreational beach use was seriously disrupted. The biological component of the resulting litigation was settled out of court for $3.45 million for bird- and fish-related injuries, plus an additional $360,000 for water monitoring projects, while the recreational component was eventually settled, following a jury trial, for $11.6 million. For more information, visit: https://www.wildlife.ca.gov/OSPR/NRDA/american-trader.			
Guadalupe Oil Field -San Luis Obispo	1950s–1994	2,700 acres	9,000,000-12,000,000 gallons (212,570 barrels)
The Guadalupe Dunes oil spill typifies another variety of oil spill that can occur in California. The Guadalupe-Nipomo Dunes, located along the southern coast of San Luis Obispo County, is one of the largest dune complexes along the California coast, measuring approximately 15,500 acres. Oil exploration and production began in the area in the late 1940s. By 1953, Unocal Corporation was producing up to 2,000 barrels of oil per day from 34 wells. Oil field operations continued until March 1990 with gradual expansion to 215 wells producing approximately 4,500 barrels per day. Because of the highly viscous nature of the oil being extracted from the field, diluent (a diesel-like crude oil thinner) was introduced in the 1950s to assist in the production and transportation of the heavy crude. A 145-mile network of pipelines was built across the dunes to carry the diluent. Over the years, the pipelines rusted and became buried in the shifting sands, where they sprang leaks in 80 to 90 places, releasing as much as 12 million gallons of diluent into the dunes, beach, groundwater, and the Pacific Ocean. The spill came to the attention of State officials when an oily sheen was noticed by surfers and sea lions and seals began washing up dead on the shore. On March 23, 1994, a lawsuit was filed by the California State Attorney General, the California Department of Fish and			

Spill	Date	Area Affected	Estimated Amount
Wildlife, the California Regional Water Quality Control Board Central Coast Region, the California Department of Toxic Substances Control, and the Coastal Conservancy against Union Oil Company of California. The State plaintiffs alleged in this action that on numerous occasions since Unocal began using diluent at the Guadalupe oil fields, oil had leaked from the pipelines and storage tanks at numerous locations into the groundwater, surface water, and marine water. An agreement was reached between the parties in July 1998, for $43,800,000, of which $9 million was allocated for dune restoration activities. Six State and federal agencies now oversee the cleanup activities. Unocal has dismantled and removed the pipelines, storage tanks, and other infrastructure related to the oil field operations.			
Cosco Busan – San Francisco Bay	November 7, 2007	200 miles of coastline	58,000 gallons (1,375 barrels)
This San Francisco oil spill occurred on November 7, 2007, as a result of a container ship, the M/V Cosco Busan, striking the fender surrounding a footing of the western span of the San Francisco Bay Bridge. The collision caused no substantial damage to the bridge and the ship hull ruptured, causing medium-grade fuel oil to leak from its tank. Unlike oil tankers, container and cargo ships are not required to have double hulls, a regulation that was adopted following the Exxon Valdez oil spill discussed earlier. Numerous local jurisdictions border the bayfront coastline and were affected by the oil spill. Local proclamations were issued by the counties of Alameda, Contra Costa, Marin, San Francisco, San Mateo, Solano, and Sonoma; the cities of Albany, Berkeley, and Oakland; and the East Bay Regional Park District. The Governor's proclamation covered the City and County of San Francisco and the counties of Alameda, Contra Costa, Marin, San Mateo, Solano, and Sonoma. The incident period for the event closed nearly one year following the oil spill on October 31, 2008. Numerous State and federal agencies were involved in the oil spill response, cleanup, and subsequent investigations, including the United States Coast Guard (USCG), California Department of Fish and Wildlife Office of Spill Prevention and Response (OSPR), and California Environmental Protection Agency (CalEPA) Office of Environmental Health Hazard Assessment (OEHHA). The 226 identified affected shoreline sites were ranked based on spill specifics such as the location of the release, nature of the release, volume of the release, and other established criteria. (For details on the oil spill response organization and activities, please see the Cosco Busan San Francisco Bay Area Oil Spill After Action/Corrective Action Report published by the California Emergency Management Agency, now Cal OES.) Two new response and cleanup initiatives were developed as a result of this oil spill: the Department of Fish and Wildlife developed Shoreline Cleanup and Assessment Techniques (SCAT) teams to oversee beach and shoreline cleanup, and, OSPR has taken a lead role in expanding its convergent volunteer program to include opportunities outside of wildlife rehabilitation.			
Deepwater Horizon – Gulf of Mexico	April 20, 2010–July 15, 2010	2,500-square-mile slick	180,000,000 gallons (4,900,000 barrels)
The Deepwater Horizon oil spill occurred in the Gulf of Mexico on April 20, 2010, as a result of an explosion that killed 11 platform workers and injured 17 others. It is the largest offshore marine oil spill in United States history. After releasing approximately 4.9 million barrels of crude			

Spill	Date	Area Affected	Estimated Amount
oil, the leak was stopped by capping the wellhead. The spill caused extensive damage to marine and wildlife habitats as well as the Gulf's fishing and tourism industries. While a six-month moratorium on offshore drilling was imposed after the explosion, the moratorium was lifted shortly thereafter by the United States District Court. Investigations into the causes of the explosion and spill were conducted by the United States Coast Guard (USCG), Minerals Management Service (MMS), National Academy of Engineering, National Commission on the BP Deepwater Oil Spill and Offshore Drilling, United States House Committee on Energy and Commerce, and others.			
Refugio Oil Spill – Plains All America Pipeline	May 19, 2015	Approximately 7 miles of coastline	123,000 gallons
On May 19, 2015, a 24-inch subterranean pipeline owned and operated by Plains All America Pipeline ruptured on the Gaviota Coast, west of Refugio State Park. Much of the crude oil spilled ran down a storm drain and into a ravine under the freeway and entered the ocean. The size of the spill ranged from 100,000 to 140,000 gallons, covering the Santa Barbara County coastline and extending nearly 9 miles out into the ocean. Various agencies, including local, county, State, and federal partners, were involved in response and recovery efforts, with the participation of approximately 1,300 field and 325 incident command post personnel. Notifications from the county to State and federal partners were aligned with the Santa Barbara Operational Area Oil Spill Contingency Plan and Los Angeles- Long Beach Area Contingency Plan. The incident command post remained operational for the first 13 days of the incident. Interagency field teams conducted a National Resource Damage Assessment to document dead fish, invertebrates, and other wildlife in the oiled areas following the spill. NOAA and its State and federal natural resource co-trustees investigated the extent to which the incident may have caused harm to birds (brown pelicans, common murres, Pacific loons, snowy plovers), marine mammals (including California sea lions), fish (especially surf perch and grunion), and marine invertebrates along with their habitats. The spill also shut down fisheries, closed multiple beaches, and affected recreational uses such as camping, non-commercial fishing, and beach visits. Nearly one year after the spill, Plains All America Pipeline was indicted by the Santa Barbara County grand jury on 46 criminal counts related to the spill, after which the county filed criminal charges. Another three years elapsed before the trial date was set for February 5, 2018, with jury selection beginning in April 2018. The outcome of the trial will not be known for several months. Three bills were signed into law in response to the spill. Under a new law, the California Fire Marshal will be required to review the oil pipelines conditions every year, while federal regulations only mandate a review every five years. Another new law provides for making oil spill response times faster and more effective. The third will force intrastate pipelines to use the best-known technology such as automatic shut-off valves.			

K.18. NATURAL GAS PIPELINE HAZARDS

PHMSA tracks significant incidents and losses as a result of pipeline accidents occurring on gas transmission lines and gas distribution lines. Significant incidents are those reported by pipeline operators with either 1) a fatality or injury requiring in-patient hospitalization, or 2) $50,000 or more in total costs, measured in 1984 dollars.

From 2013 to 2017, a total of 85 incidents were reported on California distribution lines, resulting in a total of six fatalities, seven injuries, and $53 million in property damage. For that same period, a total of 43 incidents were reported on gas transmission lines, resulting in two fatalities, 15 injuries, and $28 million in property damage. These incidents are summarized in Table K-16.

Table K-16. Gas Distribution and Local Transmission Line Incidents, 2013 to 2017

Year	Number of Incidents	Fatalities	Injuries	Total Cost of Damage
Gas Distribution Lines				
2013	14	0	0	$3,490,587
2014	18	2	2	$18,683,512
2015	14	2	2	$1,546,593
2016	16	0	1	$3,061,979
2017	23	2	2	$26,228,185
Total	**85**	**6**	**7**	**$53,010,856**
Gas Transmission Lines				
2013	6	0	0	$2,324,207
2014	13	0	0	$10,344,591
2015	9	2	15	$9,633,537
2016	6	0	0	$2,052,778
2017	9	0	1	$4,208,740
Total	**43**	**2**	**15**	**$28,563,853**

Source: (PHMSA 2022)

K.18.1. San Bruno Gas Transmission Line Explosion

On September 9, 2010, a 30-inch steel natural gas transmission pipeline owned and operated by PG&E ruptured and exploded in a residential neighborhood in San Bruno, California. The rupture produced a crater about 72 feet long by 26 feet wide. The section of pipe that ruptured, which was about 28 feet long and weighed about 3,000 pounds, was found 100 feet south of the crater.

PG&E estimated that 47.6 million standard cubic feet of natural gas was released. The released natural gas ignited, resulting in a fire that destroyed 38 homes and damaged 70. There were eight confirmed deaths and 66 reported injuries. Cal OES has identified preliminary damage estimates at $15.4 million, including $2.5 million for debris removal, $10.2 million for protective measures, $2.1 million for roads and bridges, and $0.6 million for utilities and other facilities.

A report issued by the National Transportation Safety Board (NTSB) in August 2011 determined that the probable cause of the accident was PG&E's 1) inadequate quality assurance and quality control in 1956 during its Line 132 relocation project, which allowed the installation of a substandard and poorly welded pipe section with a visible seam weld flaw that over time grew to a critical size, causing the pipeline to rupture during a pressure increase stemming from poorly planned electrical work at the Milpitas Terminal; and 2) an inadequate pipeline integrity management program, which failed to detect and repair or remove the defective pipe section.

Contributing to the accident were the California Public Utilities Commission (CPUC) and the U.S. Department of Transportation (US DOT) exemptions of existing pipelines from the regulatory requirement for pressure testing, which likely would have detected the installation defects. Also contributing to the accident was CPUC's failure to detect the inadequacies of PG&E's pipeline integrity management program. Contributing to the severity of the accident were the lack of either automatic shutoff valves or remote-control valves on the line and PG&E's flawed emergency response procedures and delay in isolating the rupture to stop the flow of gas.

The NTSB report included a series of recommended actions to be undertaken by federal and State government agencies and PG&E. These recommendations and resulting legislation are discussed in subsequent sections.

K.19. RADIOLOGICAL ACCIDENTS

No hazard event history recorded in the 2018 SHMP for the radiological accidents profile.

K.20. TRAIN ACCIDENTS RESULTING IN EXPLOSIONS AND/OR TOXIC RELEASES

According to Cal OES, there have been 14 train accidents affecting 12 communities since 1950. Several significant train accidents, derailments, fires, and hazardous

material releases have occurred in California in the past 40 years that resulted in multiple deaths, numerous injuries, and property damage and have, thus, stimulated changes in land use and rail safety regulations. Rail incidents involving oil in California increased from three in 2011 to 36 in all of 2013 and 28 in the first half of 2014.

K.20.1. April 1973 – Roseville Train Explosion

A dramatic example in California history was the major explosion and chemical plume release that occurred in April 1973 in the Roseville railroad yard when 6,000 bombs on a train bound for the Concord Naval Weapons Stations detonated after a car caught fire. Although no one was killed, the blast reportedly injured about 100 people and damaged 5,500 buildings, some more than a mile away.

K.20.2. May 12, 1989 – Duffy Street Derailment, San Bernardino

On May 12, 1989, a six-locomotive/69-car Southern Pacific freight train picked up speed while descending down the Cajon Pass in Southern California. The train reached a speed of 110 miles per hour on a curve at Duffy Street in San Bernardino designed for no more than 40 miles per hour. The train derailed and plowed into a residential area on Duffy Street. The conductor, head-end brakeman, and two residents were killed in the crash. Seven homes were destroyed, as was the entire train.

During the cleanup effort, an underground 14-inch high-pressure gasoline transit pipeline suffered undetected damage. On May 25, 13 days after the train derailment, the pipeline burst, showering the neighborhood in gasoline and igniting a large fire that killed two people and destroyed 11 more homes. The total property damage was $14.3 million. Many residents moved after this, and homes are no longer allowed to be built next to the rail lines.

Investigations determined several causes that contributed to the derailment: a miscalculation of the weight of the freight, which was underestimated by 40 percent; lack of dynamic brakes on three of the six locomotives; and train engineer error in activating the emergency brake, which cancelled the dynamic brakes on the functioning three locomotives.

K.20.3. July 14, 1991 – Cantara Loop Spill, Upper Sacramento River

On the night of July 14, 1991, a Southern Pacific train derailed into the upper Sacramento River at a sharp bend of track known as the Cantara Loop, upstream from Dunsmuir, California, in Siskiyou County. Several train cars made contact with the

water, including a tank car that initially appeared to be undamaged; however, a small rupture below the water line allowed its contents to be released into the river. Early the following morning, it became apparent that the tank car had ruptured and spilled approximately 19,000 gallons of metam sodium, a potent herbicide and pesticide used primarily to sterilize soil for agricultural purposes.

When mixed with water, metam sodium breaks down into several highly toxic compounds having varying toxicities and half-lives in the aquatic environment. Though some are highly toxic, all dissipate in a matter of hours or weeks and do not linger long-term. Some of the compounds volatilized into the air, creating a toxic cloud above the river as the chemical plume moved downstream. Efforts to determine the extent of damage to aquatic life from the metam sodium spill were delayed 12 to 48 hours due to the hazard of fume exposure.

Ultimately, over a million fish and tens of thousands of amphibians and crayfish were killed. Millions of aquatic invertebrates, including insects and mollusks, which form the basis of the river's ecosystem, were destroyed. Hundreds of thousands of willow, alder, and cottonwood trees eventually died. Many more were severely injured. The chemical plume left a 41-mile wake of destruction, from the spill site to the entry point of the river into Shasta Lake. Traveling at just under 1 mile per hour on average, the plume entered Shasta Lake on the morning of July 17, 1991. Dilution and evaporation of the metam sodium, combined with continued aeration, reduced the chemical to undetectable levels in the lake by July 29, 1991.

In July 1992, a lawsuit was filed by the State of California and the federal government against Southern Pacific Railroad and other parties considered responsible for the Cantara spill. The lawsuit was on behalf of the natural and biologic resources damaged or destroyed by the spill. The basis of the lawsuit was to recover damages for those injured resources. An out-of-court agreement was reached in 1994, and the entire settlement process was completed by August 1995. The plaintiffs were awarded $38 million in damages, reimbursements, and restoration funds, $14 million of which was to be administered by the Cantara Trustee Council for restoration activities, land acquisition and protection, research, and public education. The Cantara Trustee Council operated for a period of 12 years, from 1995 to 2007. For additional details on the activities and projects funded by the Cantara Trustee Council, see: https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=17248&inline=true.

The severity of this spill and the long-term effects on the surrounding ecosystem prompted the California Public Utilities Commission (CPUC) to conduct a statewide risk assessment which identified 19 hazardous rail sites within the State.

K.20.4. January 26, 2005 – Glendale Derailment

On January 26, 2005, a southbound Metrolink commuter train collided with a sport utility vehicle (SUV) that had been abandoned on the tracks near the Glendale-Los Angeles city boundary. The train jackknifed and struck trains on both sides of it, one a stationary freight train and the other a northbound Metrolink train traveling in the opposite direction. The collisions resulted in 11 deaths and 100 to 200 injuries. The driver of the SUV left the vehicle before the crash and was later charged and convicted of 11 deaths and arson.

Subsequent criticism focused on the issue of train configuration. Many commuter trains use a "pusher configuration" to avoid turnaround maneuvers and facilities required to reverse a train's direction. This means the trains are pushed from the back by the locomotive. There were assertions that this type of configuration made the accident worse and claims that if the engine had been in the front, the train might not have jackknifed and caused the second Metrolink train to derail.

To increase rider safety, Metrolink temporarily roped off the first cars in all of their trains and allowed passenger seating in the second car and beyond. Metrolink gradually modified this policy. As of 2007, the line permitted passengers to sit in a portion of the first car when the train is in "push mode," but did not allow seating in the forward-most section of the first car.

K.20.5. September 12, 2008 – Chatsworth Derailment

The September 12, 2008, Chatsworth train accident, resulting in 25 deaths and injuring more than half the train's passengers, spawned significant changes to national rail safety standards. The head-on collision occurred in Chatsworth, a neighborhood of Los Angeles located at the western edge of the San Fernando Valley and involved a Metrolink commuter train and a Union Pacific freight train. All three locomotives, the leading Metrolink passenger car, and seven freight cars derailed. According to the National Transportation Safety Board (NTSB), the Metrolink train engineer most likely caused the collision because he was distracted by sending text messages while on duty. He failed to obey a red stop signal that indicated it was not safe to proceed from the double-track into the single-track section and, thus, collided head-on with

the freight train that was traveling on the same single-track section from the opposite direction.

The NTSB also believed that deployment of a positive train control (PTC), which is a safety backup system that can automatically stop a train and prevent train collisions, could have avoided the disastrous collision and derailment. Although not required at the time of the Chatsworth accident, PTCs have been a high priority for the NTSB following similar collisions since the mid-1980s, and voluntary implementation has been uneven and incremental across the country since that time, primarily due to the high costs associated with installation and maintenance. Following the Chatsworth collision, Metrolink expanded the existing automated train stop system used on 30 miles of Metrolink track in Orange County across its 350-mile system. Metrolink's automated train stop system will automatically apply the brakes to stop a train if the engineer fails to respond to a warning within 8 seconds.

K.20.6. November 25, 2014 – Feather River Canyon Derailment

On November 25, 2014, 11 cars carrying corn derailed adjoining a portion of the Feather River about 50 miles northeast and upstream of Lake Oroville, releasing kernels and husks into the river. Most of the corn landed on the hillside above the river. Although this was not considered a toxic spill, it raised concerns among State and local officials because the rail track routinely carried trains transporting hazardous materials, including 100-car Bakken crude oil trains. At the time, the number of crude oil trains entering the State via mountain passes and river canyons was expected to jump substantially in the next several years as coastal refineries planned to purchase Bakken oil from fields in North Dakota, Canada, Colorado and Texas. As a result of this spill and others occurring in Canada, Virginia, and Pennsylvania, representatives of CPUC and Cal OES provided testimony for U.S. Department of Transportation (US DOT) hearings regarding rail tank safety standards.

K.20.7. January 6, 2015 – Roseville Derailment

On January 6, 2015, a westbound freight train departing the Union Pacific Railroad Davis Yard in Roseville derailed before it was able to leave the yard. Of the seven cars that derailed, three were upright, two were leaning, and two were on their side. The two rail cars that were on their sides included a tank car containing hazardous materials. The tank car sustained substantial damage to its outer shell, but the inner shell was not breached and consequently there was no release of hazardous material. Due to damage to the hazardous material car and initial uncertainty about a possible

release, the Union Pacific Railroad initially set up a half-mile evacuation zone. The Union Pacific Railroad's initial report stated the cause was a broken rail on the lead track of the departure yard. This was substantiated by CPUC staff.

Train derailments involving hazardous materials where track defects are the primary cause are of particular concern. In locations where such statistics highlight this concern, CPUC staff will often monitor and mentor the railroad maintenance personnel, focusing on each employee's competency and ability to perform effective regular inspections. Mentorship and observations in the field allow CPUC inspectors to discuss training needs and other remedies with local railroad managers.

K.21. WELL STIMULATION AND HYDRAULIC FRACTURING HAZARDS

No hazard event history recorded in the 2018 SHMP for the well stimulation and hydraulic fracturing profile.

K.22. TERRORISM

Terrorist events have continued to occur in California. From 2001 to 2011, there were 207 terrorist attacks in the United States. California was the leading state with 40 attacks, followed by 19 in New York State. The leading cities were New York (12), Washington, DC (9), and Los Angeles (8). The most common weapons used in the 207 terrorist attacks in the United States from 2001 to 2011 were incendiary devices and explosives. From 2001 to 2011, the most common targets of terrorists in the United States were businesses (62 attacks), private citizens and property (59 attacks), and government (43 attacks). Table K-17 summarizes terrorist events from 2006 to 2016.

Table K-17. Terrorist Events in California, 2006 to 2016

Date	Location	Description
June 30, 2006	Los Angeles	Attempted firebombing of private home
June 24, 2007	Los Angeles	Attempted firebombing of private home
October 20, 2007	Los Angeles	Flooding of a private home
February 5, 2008	Los Angeles	Arson at a private home
February 17, 2008	Eureka	Arson at a Planned Parenthood facility
April 25, 2008	San Diego	Bombing of a FedEx facility
August 2, 2008	Santa Cruz	Simultaneous firebombing of two separate private homes
March 7, 2009	Los Angeles	Firebombing of a private vehicle
July 3, 2009	Huntington Beach	Racially motivated stabbing of a man

Date	Location	Description
November 16, 2010	Los Angeles	Razor blade booby trap mailed to a private home
April 23, 2011	Stockton	Arson at a mosque
January 8, 2012	Coalinga	Arson at a feedlot
November 1, 2013	Los Angeles	Active shooter targeting Transportation Security Administration (TSA) at Los Angeles Airport
November 4, 2014	Coachella	Drive-by shooting at a mosque
December 7, 2014	Los Angeles	Arson at an apartment complex
September 30, 2015	Thousand Oaks	Arson at a Planned Parenthood facility
November 4, 2015	Merced	Stabbing of students
November 6, 2015	Inglewood	Racially motivated assault of a man
December 2, 2015	San Bernardino	Active shooter murder of 14 people
December 11, 2015	Coachella	Firebombing of a mosque
December 26, 2015	Tracy	Firebombing of a mosque
February 28, 2016	Los Angeles	Racially motivated attack of three people
May 25, 2016	Modesto	Firebombing of a Planned Parenthood facility

Source: (Cal OES 2023d)

In addition to the events listed in Table K-17, there have been numerous crimes by like-minded groups that do not meet terrorism criteria, as well as dozens of terrorism plot disruptions by law enforcement.

K.23. CYBER THREATS

Nationally, cybersecurity incidents such as financial fraud and government database breaches have increased from 5,503 in 2006 to 67,168 in 2014. This increase raises the question of whether there is a cybersecurity threat in California. Between 2012 and 2015, 50 million records of Californians were breached, and the majority of these breaches resulted from security failures, with malware and hacking; physical breaches constituted three quarters of all events. As use of digital information expands, Californians will increasingly become more vulnerable to the slow-moving, potential technological hazard of cyber damage.

K.24. CIVIL DISORDER IN CALIFORNIA

Civil disorders occur in California sporadically, and last from a few days to months. There are various causes, all human-made. All begin as local events; therefore,

mitigation measures need to be planned and carried out locally and be supported by mutual aid agreements from near-by agencies. Extensive loss of life and loss of property have occurred in the last 25 years. As summarized in the Table K-18, there have been several significant civil disorders in the State since 1965 and more recently. These disorders have all taken place in metropolitan areas.

Table K-18. Summary of Significant Civil Disorders in California

Disturbance	Location	Year	Deaths	Injuries	Damage
2016 Election Protests–*Protests against the election of Donald Trump. Thirty protesters were arrested, and three officers were injured.*	Oakland	2016	0	3	n/a
2016 Civil Disorder–*A rally of left-wing protesters and white nationalist groups outside the California State Capitol on June 26, 2016. Ten people were hospitalized for stabbing and laceration wounds.*	Sacramento	2016	0	10	n/a
2014 Oakland Riots–*A series of riots and civil disturbances following the decision of a Grand Jury in St. Louis not to charge Darren Wilson in the shooting death of black teenager Michael Brown in Ferguson, Missouri.*	Oakland	2014			n/a
2013 Oakland Riots–*Riots that occurred when protesters took to the streets on July 13, 2013, following the acquittal of George Zimmerman in the shooting death of Trayvon Martin.*	Oakland	2013	0	2	n/a
2012 Anaheim Police Shootings and Protests–*Two fatal shootings by police officers and subsequent public protests.*	Anaheim	2012	0	6	n/a
2011 Occupy California Protests–*Protests in 50 large and small cities and college campuses, along with 50,000 people participants in Occupy Oakland.*	Various	2011	0	1	$2.4 million
1992 Los Angeles Riots–*Riots that lasted six days and were a response to the acquittal of police officers for the beating of Rodney King.*	South Los Angeles	1993	50	Over 2,000	More than $1.0 billion
1965 Watts Riots–*ace riots that took place in the Watts neighborhood of Los Angeles.*	South Central Los Angeles	1965	34	1,032	$40 million

Appendix L. **Mitigation Laws and Regulations**



Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

L. MITIGATION LAWS AND REGULATIONS

Over the past 100 years, legislation has been enacted to promote and support mitigation efforts. The following tables provide a summary of the various mitigation laws and regulations.

Table L-1. Federal Hazard Mitigation Laws and Regulations

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Americans with Disability Act (ADA)	1990	All Hazards	Law	The Americans with Disabilities Act (ADA) is a federal civil rights law that prohibits discrimination against people with disabilities in everyday activities. The ADA prohibits discrimination on the basis of disability just as other civil rights laws prohibit discrimination on the basis of race, color, sex, national origin, age, and religion. The ADA guarantees that people with disabilities have the same opportunities as everyone else to enjoy employment opportunities, purchase goods and services, and participate in state and local government programs (DOJ 2022).
Bureau of Land Management (BLM)	1946	All Hazards	Agency	The Bureau of Land Management is an agency within the United States Department of the Interior responsible for administering federal lands (BLM 2022).
Civil Rights Act	1964	All Hazards	Law	The Civil Rights Act of 1964 (the Act) prohibits discrimination on the basis of race, color, religion, sex, or national origin. Provisions of this civil rights act forbade discrimination on the basis of sex, as well as race in hiring, promoting, and firing. The Act prohibited discrimination in public accommodations and federally funded programs. It also strengthened the enforcement of voting rights and the desegregation of schools (DOL 2022).
Clean Water Act	1977	All Hazards	Law	The Clean Water Act (CWA) is the principal law governing pollution control and water quality of the Nation's waterways. The objective of the CWA is to restore and maintain the chemical, physical, and biological integrity of the Nation's waters (33 U.S.C. 1251).

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Community Development Block Grant (CDBG) Disaster Recovery Program	2014	All Hazards	Program	The Community Development Block Grant (CDBG) Program has Disaster Recovery grants to rebuild the affected areas and provide crucial seed money to start the recovery process. These flexible grants help cities, counties, and States recover from Presidentially declared disasters, especially in low-income areas, subject to availability of supplemental appropriations. Since CDBG Disaster Recovery (CDBG-DR) assistance may fund a broad range of recovery activities, the U.S. Department of Housing and Urban Development (HUD) can help communities and neighborhoods that otherwise might not recover due to limited resources (HUD 2022a).
Community Rating System (CRS)	1990	Flood	Program	The Community Rating System is a voluntary program under the National Flood Insurance Program (NFIP) that rewards participating communities in the form of flood insurance premium discounts for exceeding the minimum requirements of the NFIP and completing activities that reduce flood hazard risk (FEMA 2022c).
Disaster Mitigation Act of 2000 (DMA 2000)	2000	All Natural Hazards	Law	The Disaster Mitigation Act of 2000 is the current federal law addressing hazard mitigation planning. It amended the Stafford Act to require the preparation of hazard mitigation plans by state and local governments emphasizing planning for disasters before they occur (FEMA 2023e).
Emergency Relief for Federally Owned Roads Program (ERFO Program)	2015	All Hazards	Program	The Emergency Relief for Federally Owned Roads Program was established to assist federal agencies with the repair or reconstruction of Tribal transportation facilities, federal lands transportation facilities, and other federally-owned roads that are open to public travel, which are found to have suffered serious damage by a natural disaster over a wide area or by a catastrophic failure (FHWA 2023).

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Emergency Watershed Program	--	All Natural Hazards	Program	The Emergency Watershed Protection Program, a federal emergency recovery program, helps local communities recover after a natural disaster strikes (USDA NRCS 2023).
Endangered Species Act	1973	All Hazards	Law	The Endangered Species Act establishes protections for fish, wildlife, and plants that are listed as threatened or endangered; provides for adding species to and removing them from the list of threatened and endangered species, and for preparing and implementing plans for their recovery; provides for interagency cooperation to avoid take of listed species and for issuing permits for otherwise prohibited activities; provides for cooperation with States, including authorization of financial assistance; and implements the provisions of the Convention on International Trade in Endangered Species of Wild Flora and Fauna (USFWS 2022).
Federal Emergency Management Agency (FEMA)	1979	All Hazards	Agency	The Federal Emergency Management Agency supports citizens and emergency personnel to build, sustain, and improve the nation's capability to prepare for, protect against, respond to, recover from, and mitigate all hazards (USA.gov 2022).
Federal Energy Regulatory Commission Owners Dam Safety Program (ODSP)	2012	Dam Failure	Program	The Owners Dam Safety Program (ODSP) is the most important factor in maintaining safe dams and preventing dam failures. Dams with owners who do not have an effective ODSP represent a higher risk (FERC 2022).

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Federal Wildlife Management Policy and Healthy Forests Restoration Act	2003	All Hazards	Law	An act to improve the capacity of the Secretary of Agriculture and the Secretary of the Interior to conduct hazardous fuels reduction projects on National Forest System lands and Bureau of Land Management lands aimed at protecting communities, watersheds, and certain other at-risk lands from catastrophic wildfire, to enhance efforts to protect watersheds and address threats to forest and rangeland health, including catastrophic wildfire, across the landscape, and for other purposes (U.S. Government Information 2022).
National Dam Safety Program Act	1996	Dam Failure	Law	The National Dam Safety Program is a partnership of states, federal agencies, and other stakeholders to encourage and promote the establishment and maintenance of effective federal and state dam safety programs to reduce the risk to human life, property, and the environment from dam related hazards (FEMA 2022d).
National Environmental Policy Act	1970	All Hazards	Law	The National Environmental Policy Act (NEPA) requires federal agencies to assess the environmental effects of their proposed actions prior to making decisions. The range of actions covered by NEPA is broad and includes: making decisions on permit applications; adopting federal land management actions; and constructing highways and other publicly owned facilities (FEMA 2022p).
National Fire Plan	2000	Wildfire	Plan	The National Fire Plan (NFP) was developed in August 2000, following a landmark wildland fire season, with the intent of actively responding to severe wildland fires and their impacts to communities while ensuring sufficient firefighting capacity for the future. The NFP addresses five key points: Firefighting, Rehabilitation, Hazardous Fuels Reduction, Community Assistance, and Accountability (Forests and Rangelands n.d.).

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
National Flood Insurance Program (NFIP)	1968	Flood	Program	The National Flood Insurance Program (NFIP) provides flood insurance to property owners, renters, and businesses, and having this coverage helps them recover faster when floodwaters recede. The NFIP works with communities required to adopt and enforce floodplain management regulations that help mitigate flooding effects (FEMA 2022f).
National Incident Management System (NIMS)	2004	All Hazards	Program	The National Incident Management System (NIMS) guides all levels of government, non-governmental organizations, and the private sector to work together to prevent, protect against, mitigate, respond to, and recover from incidents (FEMA 2023f)
National Landslide Preparedness Act	2021	Landslide	Law	On January 5, 2021, the National Landslide Preparedness Act was signed into law; it authorized a national landslide hazards reduction program and a 3D elevation program within the U.S. Geological Survey. This broadened the already existing Landslide Hazards Program under the Natural Hazards Mission Area, and the 3D Elevation Program under the National Geospatial Program and required additional coordination with other federal agencies (USGS 2021).
Presidential Executive Order 11988, Floodplain Management	1977	Flood	Executive Order	Directs federal agencies to: assert leadership in reducing flood losses and losses to environmental values served by floodplains; avoid actions located in or adversely affecting floodplains unless there is no practicable alternative; take action to mitigate losses if avoidance is not practicable; and establishes a process for flood hazard evaluation based upon the 100-year base flood standard of the NFIP. It also directed federal agencies to issue implementing procedures; provided a consultation mechanism for developing the implementing procedures; and provided oversight mechanisms (FEMA 2021).

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Presidential Executive Order 11990, Protection of Wetlands	1977	Flood	Executive Order	Executive Order 11990 requires minimization of the destruction, loss or degradation of wetlands and encourages preservation and enhancement of their natural and beneficial values. Executive Order 11990, Protection of Wetlands, requires Federal agency actions to avoid, to the extent possible, adverse impact on wetlands (FEMA n.d.)
Rural Development Program		Climate Change	Program	The Inflation Reduction Act provides funding to U.S. Department of Agriculture Rural Development to help eligible entities purchase renewable energy and zero-emission systems and make energy-efficiency improvements that will significantly reduce greenhouse gas emissions (USDA n.d.)
U.S. Army Corps of Engineers (USACE) Dam Safety Program		Flood, Dam Failure	Program	The U.S. Army Corps of Engineers' Dam Safety Program uses risk to inform how it manages the approximately 740 dams it operates and maintains, with life safety the highest priority. This approach is a best practice adopted to evaluate, prioritize, and justify dam safety decisions (USA.gov 2022).
USACE Flood Risk Management Program	2006	Flood	Program	Flood risk management (FRM) is one of USACE Civil Work's three core missions, alongside support for commercial navigation and restoration of aquatic ecosystems. USACE's FRM activities seek to reduce the threat to life and property from riverine and coastal storm flooding through the development and communication of advanced knowledge, technology, and solutions (USACE 2022).
U.S. Bureau of Reclamation Safety Evaluation of Existing Dams (SEED) Program	1978	Dam Failure	Program	The primary emphasis of the Safety Evaluation of Existing Dams program is to perform site evaluations and to quickly identify dams which pose an increased threat to the public, and to quickly complete the related analyses in order to expedite corrective action decisions and safeguard the public and associated resources (USBR 2022).

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
U.S. Department of Homeland Security (DHS)	2002	All Hazards	Agency	The U.S. Department of Homeland Security (DHS) works to improve the security of the United States. DHS's work includes customs, border, and immigration enforcement, emergency response to natural and manmade disasters, antiterrorism work, and cybersecurity (USA.gov 2022).
U.S. Environmental Protection Agency (EPA)	1970	All Hazards	Agency	The U.S. Environmental Protection Agency protects people and the environment from significant health risks, sponsors and conducts research, and develops and enforces environmental regulations (USA.gov 2022).
U.S. Fire Administration	1974	All Hazards	Agency	As an entity of FEMA, the mission of the U.S. Fire Administration is to support and strengthen fire and emergency medical services and stakeholders to prepare for, prevent, mitigate, and respond to all hazards (USA.gov 2022).
U.S. Geological Survey (USGS)	1879	All Hazards	Agency	The U.S. Geological Survey is the nation's largest water, earth, and biological science and civilian mapping agency. It collects, monitors, analyzes, and provides scientific understanding of natural resource conditions, issues, and problems (USA.gov 2022).
U.S. Fish and Wildlife Service	1940	All Hazards	Agency	The U.S. Fish and Wildlife Service is the principal federal agency dedicated to fish and wildlife conservation. The Service's history spans nearly 140 years, dating from the establishment of its predecessor agency, the Bureau of Fisheries, in 1871. First created as an independent agency, the Bureau of Fisheries was later placed in the Department of Commerce. A second predecessor agency, the Bureau of Biological Survey, was established in 1885 in the Department of Agriculture. In 1939, the two Bureaus and their functions were transferred to the Department of the Interior. In 1940, they were consolidated into one agency and redesignated the Fish and Wildlife Service by Reorganization Plan III (5 U.S.C. app.).

Table L-2. State Hazard Mitigation Laws and Regulations

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Dam Safety Act	1929	Dam Failure	Law	After the 1928 collapse of the Saint Francis Dam in Ventura County killed more than 450 people, California passed the Dam Safety Act to regulate the construction and maintenance of all non- federal dams. The California Department of Water Resources's Division of Safety of Dams (DSOD) administers the Dam Safety Act and periodically inspects dams to ensure their safety. Fees paid by dam owners fund DSOD's work.
Field Act Assembly Bill (AB) 2342 California Education Code Section 17281, et seq.	1933	Earthquake	Law	In 1933, one month after the Long Beach Earthquake destroyed 70 schools, seriously damaged 120 others, and caused minor damage to 300 more, California passed the Field Act to ensure seismic safety in new public schools. The Act establishes regulations for the design and construction of K-12 and community college buildings. The Division of the State Architect within the California Department of General Services (DGS) enforces the Field Act. The Field Act requires all new school building construction to be designed based on high level building standards adopted by the State; plans and specifications prepared by State-registered designers.
Riley Act	1933	Earthquake	Law	Following the 1933 Long Beach Earthquake, the State passed the Riley Act which requires local governments to have building departments that issue permits for new construction and alterations to existing structures and conduct inspections. Permit fees paid by building owners generally fund the work of local building departments. The Act also set minimum seismic safety requirements that have since been incorporated into all building codes, and set minimum seismic safety requirements.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
California Environmental Quality Act (applies to all natural and other hazards) Public Resources Code Section 21000, et seq.	1970	All Hazards	Law	Requires environmental review of "discretionary" development projects. If significant impacts are found, an environmental impact report (EIR) is required, together with mitigation of significant impacts.
Alfred E. Alquist Hospital Facilities Seismic Safety Act	1983	Earthquake	Law	Regulates the design, construction, and alteration of hospitals; sets seismic safety standards for new hospitals; creates an advisory Hospital Building Safety Board.
Strong Motion Instrumentation Program Public Resources Code Section 2700, et seq.	1971	Earthquake	Program	The State implemented the Strong Motion Instrumentation Program in 1971 in response to the extensive damage to buildings and bridges caused by the 1971 San Fernando Earthquake. The earthquake highlighted the need for more data on strong ground shaking during earthquakes and on the response of structures to the shaking. The program establishes a statewide network of strong motion instruments to gather vitals of earthquake data-gathering instruments for the engineering and scientific communities for essential structures, and requires the Division of Mines and Geology to monitor instruments. Data obtained from the strong motion instruments is used to recommend changes to building codes, assist local governments in the development of their general plans, and help emergency response personnel in the event of a disaster.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Seismic Safety General Plan Element (applies to all natural hazards) Senate Bill (SB) 351 Government Code Section 65302(g)	1971	Earthquake	Law	Requires city and county general plans to include a seismic safety element.
Alquist-Priolo Earthquake Fault Zoning Act SB 520 Public Resources Code Section 2621-2630	1972	Earthquake	Law	The State passed the Alquist-Priolo Earthquake Fault Zoning Act in 1972 to mitigate the hazard of surface faulting to structures built for human occupancy. The law was another response to the 1971 San Fernando Earthquake, which produced extensive surface fault ruptures that damaged numerous homes, commercial buildings, and other structures. The Act's main purpose is to prevent the construction of buildings used for human occupancy on the surface trace of active faults. The Act requires the California State Geologist to prepare maps of major fault traces and zones. The Act also prohibits construction of new buildings used for human occupancy on the surface trace of active faults and requires geologic site investigation prior to issuance of building permit.
Senate Concurrent Resolution 84 – State Capitol Seismic Evaluation	1971	Earthquake	Resolution	The California State Architect was tasked to evaluate the safety of the historic west wing of the Capitol and to evaluate the costs of reconstruction to meet earthquake standards.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
California Seismic Safety Commission Act Business and Professions Code Section 1014, now Government Code Section 8589.78	1975	Earthquake	Institution	This Act establishes the independent California Seismic Safety Commission (SSC) to advise the Governor, the Legislature, and State and local governments on reduction of earthquake risk. The mission of SSC is "to provide decision makers and the general public with cost- effective recommendations to reduce earthquake losses and expedite recovery from damaging earthquakes." The SSC is also responsible for implementing the California Earthquake Hazards Reduction Act, which requires SSC to "prepare and administer a program setting forth priorities, funding sources, amounts, schedules, and other resources needed to reduce statewide earthquake hazards."
Highway Emergency Fund AB 387	1975	Earthquake	Program	Establishes Highway Emergency Fund to provide assistance to local jurisdictions for repair or replacement of highways damaged by earthquakes.
Seismic design of LNG facility SB 1081	1977	Earthquake	Law	Requires seismic design of a liquefied natural gas terminal be addressed by PUC.
Earthquake Hazard Reduction Program SB 1279	1978	Earthquake	Program	Directs the SSC to assess policy and program implications of earthquake prediction and to develop seismic safety program and financing plan for the State. The SSC issued its first comprehensive earthquake hazard mitigation plan, Guiding Action: Goals and Policies to Strengthen Earthquake Safety in California, in 1979. The SSC prepared a strategic seismic safety program and financing plan, Earthquake Hazards Management: An Action Plan for California, in 1982. After the passage of the California Earthquake Hazard Reduction Act of 1986, the SSC prepared California at Risk, a series of comprehensive five-year programs for earthquake mitigation.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Mobile home bracing devices SB 360	1981	Earthquake	Regulation / Program	Requires mobile home bracing devices and required the California Department of Housing and Community Development (HCD) to administer program, test devices, issue certifications.
Hospital inspections SB 961	1981	Earthquake	Program	Required the California Office of Statewide Health Planning and Development (OSHPD) to institute plan review and field inspection of hospital buildings being constructed to ensure building safety. Requires the State Fire Marshal to ensure fire safety of these buildings.
Earthquake insurance AB 2865 Insurance Code Section 10081, et seq.	1985	Earthquake	Law	Requires insurance companies to offer earthquake insurance and repealed concurrent causation theory for earthquake damage.
Earthquake Education Act of 1984 SB 1893 Public Resources Code Section 2805, et seq.	1984	Earthquake	Program	Implemented a statewide program of earthquake safety education, awareness, and preparedness entitled the California Earthquake Education Project (CALEEP), focused on identifying State and local leadership interested in using the CALEEP materials, disseminating those materials, and utilizing the materials.
Earthquake preparedness AB 2662	1986	Earthquake	Program	This bill appropriated $750,000 to the SSC and Cal OES for comprehensive earthquake preparedness.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
California Earthquake Hazard Reduction Act SB 548 Government Code Section 8871, et seq.	1985	Earthquake	Program	After the 1985 Mexico City Earthquake, in 1986 California passed the Earthquake Hazards Reduction Act, which called for a coordinated State program to implement new and expanded activities to significantly reduce earthquake threat. The program is coordinated by the SSC, which is required to specify priorities, funding sources and amounts, schedules, and other resources. Although historically funded by the State general fund, since the 2003-2004 fiscal year, the program was funded by fees imposed on property insurance companies. The Act authorizes the SSC to develop a statewide plan to reduce earthquake hazards.
Unreinforced Masonry (URM) Building Program Government Code Sections 8875-8876	1986	Earthquake	Program	In response to the 1983 Coalinga Earthquake, in 1986 the State legislature established the Unreinforced Masonry Building Program, which requires local governments in high seismic regions (within Seismic Zone 4) of California to inventory unreinforced masonry buildings, establish mitigation programs, and report progress to the SSC.
Essential Services Buildings Seismic Safety Act of 1986 SB 122 Health and Safety Code Section 16000, et seq.	1986	Earthquake	Law	In response to the 1985 Mexico City Earthquake, in 1986 the State passed the Essential Services Buildings Seismic Safety Act to require enhanced regulatory oversight by local governments during the design and construction of new essential service facilities. The Division of the State Architect within DGS enforces this Act. The Act sets seismic safety design and review standards for critical facilities such as police and fire stations and emergency communications and operations facilities.
Katz Act Education Code Sections 35295-35297	1984	Earthquake	Law	Requires all private schools to develop disaster plans and an earthquake emergency procedure system.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
SB 920 Revenue and Taxation Code Section 74.5	1989	Earthquake	Policy	Requires the SSC to develop a State policy on acceptable levels of earthquake risk for new and existing State-owned buildings by January 1, 1991.
Bridge Seismic Retrofit Program SB 2104	1990	Earthquake	Program	Requires the California Department of Transportation (Caltrans) to prepare an inventory of all State-owned bridges which require strengthening or replacement to meet seismic- safety standards and prepare plan and schedule for completion.
Earthquake Safety and Public Buildings Rehabilitation Bond Act of 1990 (Prop 122) Government Code Sections 8878.50- 8878.52	1990	Earthquake	Program/ Institution	Proposition 122 was passed by voters in June 1990 after the 1989 Loma Prieta Earthquake revealed vulnerabilities in State-owned and essential services buildings. The bond measure authorized the State to issue $300 million in general obligation bonds for the seismic retrofit of State and local government buildings ($250 million for State-owned buildings and $50 million for partial financing of local government essential services facilities). The Seismic and Special Programs Section of the DGS Real Estate Services Division administers Proposition 122 grant programs.
Seismic Hazards Mapping Act Public Resources Code Sections 2690-2699.6	1990	Earthquake	Program	The Seismic Hazards Mapping Act, passed in 1990, directs the California Geological Survey to identify and map areas prone to liquefaction, earthquake-induced landslides, and amplified ground shaking; tsunami hazards were added to the act in 1992. The purpose of the Act is to reduce the threat to public safety and to minimize the loss of life and property by identifying and mitigating these seismic hazards. The Act requires geotechnical investigations to identify hazards and formulate mitigation measures before permitting most developments within mapped Zones of Required Investigation.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Health and Safety Code Section 1226.5	1990	Earthquake	Law	Establishes seismic safety standards for ambulatory surgical centers, and requires fixed medical equipment (floor, roof or wall mounted) to be installed using services of licensed architect or structural engineer.
Private Schools Building Safety Act of 1986 Education Code Section 17320, et seq.	1986	Earthquake	Enhancement	Extends Field Act to new private schools
AB 631 Health and Safety Code Section 18613.5, et seq.	1989	Earthquake	Enhancement	Requires HCD to adopt regulations governing the installation of earthquake-resistant bracing systems on manufactured homes and mobile homes.
AB 1890 – Earthquake Protection Health and Safety Code Sections 19210-19214	1989	Earthquake	Law	Requires new and replacement water heaters to be braced and anchored.
AB 3313	1990	Earthquake	Regulation	Requires the Division of the State Architect and the Building Standards Commission to develop and adopt seismic retrofit guidelines for State buildings, including those owned by California State University (CSU) and University of California (UC).
Executive Order D-86- 90	1990	Earthquake	Program	Requires Caltrans to prepare plan to review and retrofit transportation structures; requests UC and requires CSU to give priority consideration to seismic safety in allocation of funds for construction projects.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Charter Schools Act of 1992 Education Code sections 47600, et seq.	1992	Earthquake	Law	Makes Field Act provisions optional for charter schools unless they accept State facilities' money.
Hospital Seismic Retrofit and Replacement Program SB 1953	1994	Earthquake	Enhancement	The State legislature passed SB 1953 after the 1994 Northridge Earthquake revealed vulnerabilities in older hospitals. The law requires hospitals to undertake non-structural retrofits of emergency and surgical rooms by 2002 and collapse-avoidance retrofits by 2008. Establishes timeline and guidelines for hospitals and achieve full compliance with the Alquist Hospital Seismic Safety Act by 2030. OSHPD enforces this Act.
Marine Oil Terminal Program	1994	Earthquake	Program	After the 1994 Northridge Earthquake, the State Lands Commission (SLC) received a hazard mitigation grant from FEMA to develop standards for the evaluation, retrofit, and maintenance of new and existing marine oil terminals. In 2003, the Commission issued its proposed regulations and plans to hold hearings prior to their consideration for adoption. The proposed regulations would help limit the potential and size of oil releases after earthquakes and tsunamis by requiring upgrades of older terminals. Fees to be paid by marine oil terminal owners would fund the State's oversight of this program.
California Earthquake Authority AB 13, SB 1993 Insurance Code Sections 10089.5-10089.55	1996	Earthquake	Institution	Creates the California Earthquake Authority (CEA), and authorized CEA to issue policies of basic residential earthquake insurance.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
AB 425 – Community College Facilities; building standards Education Code Sections 81149, 81530.5	1998	Earthquake	Retraction	Authorizes community college district to acquire for use any offsite facility constructed prior to Jan. 1, 1998, that meets structural requirements of the 1976 UBC, but does not meet requirements of Education Code Section 81130 if it has gone through an inspection by a structural engineer whose report is reviewed by DGS.
AB 865 – School Facilities Education Code Section 17285	1997	Earthquake	Retraction	Authorizes school district to lease a commercial building prior to Jan. 1, 2003, that does not meet the requirements of the Field Act provided that the building was constructed in accordance with seismic safety standards for commercial buildings within earthquake zones.
AB 300 – Seismic Safety; Schools Education Code Section 17317	1999	Earthquake	Program	Requires DGS to conduct inventory of public-school buildings that are concrete tilt-up or have non-wood frame walls that do not meet requirements of 1976 UBC by Dec. 31, 2001.
SB 1122 – Seismic Safety: Schools: Earthquake Hazards Government Code Section 8587.7	1999	Earthquake	Program	Requires Cal OES, in cooperation with State Department of Education, DGS and the SSC to develop an educational pamphlet for use by K-14 personnel to identify and mitigate risks posed by nonstructural earthquake hazards.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
AB 2791 – School and essential services facilities: stop work notice. Education Code Sections 17307.5, 81133.5; Health and Safety Code Section 16017.5	2000	Earthquake	Policy/ Law	Authorizes DGS to issue a stop work order when construction on a public school, community college, or essential services facility is not being performed in compliance with Field Act.
SB 1562 – School Facilities Education Code Section 17212, et seq.	1998	Earthquake	Policy/ Law	Requires geological and soil engineering studies by competent personnel if prospective school site is located within boundaries of special studies zone or within an area designated as geologically hazardous in safety element.
AB 656 – Health Facilities: Seismic Safety requirements Health and Safety Code Sections 130063.1-2	2001	Earthquake	Law	Authorizes, for county-owned general acute care hospital buildings, a 1-year extension of Jan. 1, 2002, deadline for Non-structural performance Category-2 requirements if hospital is removed from general acute care service and completion of specified replacement by Jan. 1, 2003.
SB 1898 Health and Safety Code Sections 19180-83 Health and Safety Code Sections 19200-05	2003	Earthquake	Policy/Law	Authorizes local governments to adopt ordinances requiring installation of earthquake sensitive gas shutoff devices in buildings due to motion caused by an earthquake, and allows DSA to establish a certification procedure for installation.
AB 3032 – Seismic Safety Government Code Sections 8875.8, 8875.9	2003	Earthquake	Policy	Exempts owners of retrofitted URM buildings from compliance with posted entry-area earthquake warning signs.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
AB 216 – Administration of Transportation Funds Streets & Highways Code Section 30914(c)(21)	2005	Earthquake	Program	Allocates $143 million for Bay Area Rapid Transit Tube Seismic Strengthening.
AB 144 – Bay Area State-Owned Toll Bridges; financing Streets & Highways Code Section 188.4	2005	Earthquake	Program	Authorizes retrofit of State-owned toll bridges using seismic toll surcharge.
AB 304 – Building Standards; Reconstruction Health and Safety Code Section 19160-19168	2005	Earthquake	Policy	Soft-story residential buildings are multi-story wood-frame structures that may have inadequately braced lower stories that may not be able to resist earthquake motion. AB 304 encourages cities and counties to address the seismic safety of soft-story residential buildings and encourages local governments to initiate efforts to reduce the seismic risk in vulnerable soft-story residential buildings. AB 304 requires the seismic retrofit of these buildings to comply with a nationally recognized model code relating to the retrofit of existing buildings or substantially equivalent standards. The bill replaces the word "reconstruction" with "seismic retrofit" in provisions governing earthquake hazardous building reconstruction and defines seismic retrofit for purposes of provisions governing earthquake protection.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Highway Safety, Traffic Reduction, Air Quality, and Port Security Bond Act of 2006 (Proposition 1B) Government Code Section 8879.23(i)	2006	Earthquake	Program	Provides $125 million funding for seismic retrofit work on local bridges, ramps, and overpasses; and establishes Local Bridge Seismic Retrofit Account.
AB 127 – Nunez Education facilities: Kindergarten-University Public Education Facilities Bond Act of 2006 Education Code Section 81052	2006	Earthquake	Policy	Gives Community Colleges the option to comply with California Building Standards Code or the Field Act.
SB 135 – Earthquake Early Warning System Government Code Section 8587.8	2013	Earthquake	Program	Directed the Cal OES, in collaboration with other relevant institutions and government agencies, to create an early warning system to provide a short alarm before the main force of an earthquake hits. Prohibited the use of General Fund dollars in the development of the warning system.
SB 438 – Earthquake Safety: Statewide Earthquake Early Warning System: funding Government Code Section 8587.8	2015	Earthquake	Policy	Eliminated the prohibition of the General Fund as a source of funding for the earthquake early warning system. Created the California Earthquake Early Warning Program and the California Earthquake Early Warning Advisory Board within Cal OES.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
SB 494 – Emergency services: seismic safety and earthquake-related programs Government Code Section 8587.8 and 8587.9	2015	Earthquake	Program	Created the California Earthquake Safety Fund and would require moneys in the fund be used for seismic safety and earthquake-related programs, including the earthquake early warning system, upon annual appropriation by the Legislature.
Flood Control Law of 1946 Water Code Section 12800, et seq.	1946	Flood	Policy	Establishes State interest in and cooperation with the federal government in construction of flood control projects.
Cobey-Alquist Flood Plain Management Act Water Code Sections 8400-8415, Section 8401(c)	1965	Flood	Program/ Law	Authorizes review of floodplain management plans, establishes floodplain regulations, and regulates designated floodway use and reimbursement costs for federal flood control projects.
California Emergency Services Act Government Code Sections 8589.3, 8589.4	1970	Flood	Law	Establishes disclosure obligations of seller or agent of seller of property in Special Flood Hazard Area (SFHA), or in area of potential flooding.
Executive Order B-39-77	1977	Flood	Program	Floodplain management for State buildings.
Flood Emergency Action Team	1997	Flood	Program	Creates Flood Emergency Action Team.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
California Watershed Protection and Flood Prevention Law AB 793 Water Code Section 12850, et seq.	1999	Flood	Law	Statutory recognition that the people of the State have a primary interest in the control and conservation of floodwaters and the prevention of erosion, sediment damage and other damage by floodwaters in the watersheds of the rivers and streams of this State, and that the State would assume costs of local cooperation in watershed projects required by acts of Congress.
Floodplain Management Task Force AB 1147 Water Code Section 12582.7	2000	Flood	Institution	Recommends creation of the Flood Emergency Action Team to recommend floodplain management strategies designed to reduce flood losses and maximize the benefits of floodplains
Safe Drinking Water, Watershed Protection and Flood Protection Act (Proposition 13) AB 1584 Water Code Section 79000, et seq.	2000	Flood	Program	Provides funding to local agencies for locally sponsored, federally authorized flood control projects, and provides funding for Flood Protection Corridor Program and flood control mapping.
Water Code Section 128	1956	Flood	Policy	Enables DWR to respond to flood damage to property of general or State interest.
Flood Control Law Water Code Section 8010		Flood	Policy	Allows any city to incur indebtedness to finance the construction of flood control infrastructure.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002 (Proposition 50) Water Code Section 79500, et seq.	2002	Flood	Program	Allocates funding available for grants for planning and implementation of multipurpose flood control programs. Eligibility for funding dependent on project being designed to improve flood management.
Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Proposition 84) Public Resources Code Section 75030, et seq.	2006	Flood	Program	Allocates $275 million in funding for levee inspection and evaluation, mapping floodplains including rural areas with potential for urbanization and high-density urban areas, and improving effectiveness of emergency response. Provides funding for critical immediate flood control needs throughout State and for assistance to local land-use planning.
Disaster Preparedness and Flood Prevention Bond Act of 2006 (Proposition 1E) AB 140 Public Resources Code Section 5096.800, et seq.	2006	Flood	Program	Allocates $3.0 billion in funding for evaluation, repair, reconstruction, or replacement of flood control infrastructure; improving or adding flood control facilities; reducing risk of levee failure in the Delta; and developing flood hazard maps.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
AB 162 – Land Use; water supply Government Code Section 65300.2, 65302, 65302.7, 65303.4, 65352, 65584.04, and 65584.06.	2007	Flood	Policy	Requires cities and counties to address flood- related matters in the land use, conservation, safety, and housing elements of their general plans.
AB 70 – Flood Liability Water Code Section 8307	2007	Flood	Policy	Requires that a city or county may be required to contribute a fair and reasonable share of the increased flood liability caused by its unreasonable approval of developments following the failure of a State flood control project.
SB 5 – Flood Management Government Code Section 65007, 65302.9, 65860.1, 65865.5, 65962, and 66474.5 Health and Safety Code Section 50465 Water Code Section 8200, 9600	2007	Flood	Policy	Requires DWR and the Central Valley Flood Protection Board (CVFPB) to prepare and adopt a Central Valley Flood Protection Plan by 2012, and establishes flood protection requirements for local land-use decisions consistent with the Central Valley Flood Protection Plan.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
SB 1278 – Planning and zoning: flood protection: Sacramento-San Joaquin Valley. Amends Sec. 65302.9, 65860.1 of the Government Code, and Section 9610 of the Water Code	2012	Flood	Policy	Requires local governments in the Central Valley to amend general plans by July 2015 in accordance with Central Valley Flood Protection Plan. Requires local governments to make findings that property in undetermined risk areas have met the urban level of flood protection. Exempts DWR flood plain maps from *California Environmental Quality Act (*CEQA) and State endangered species act.
AB 1965 – Floods and Flood Control; Land Use. Amends Government Code Section 65007 and Water Code Section 9610	2012	Flood	Policy	Requires DWR, on or before July 2, 2013, to release flood plain map and available data on water surface elevation of flooding in urban areas, as specified (Sacramento-San Joaquin Valley). Exempts maps from Office of Administrative Law review and approval, and limits DWR liability based upon the reasonable exercise or performance of discretionary or ministerial function.
SB 753 Central Valley Flood Protection Board; Enforcement Water Code Section 8700, et seq.	2013	Flood	Policy	Clarified and expanded enforcement authority of the Central Valley Flood Protection Board with regard to encroachments onto State Plan of Flood Control facilities.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
SB 5 – California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 Public Utilities Code Section 80001, et seq.	2017	Flood	Policy	Placed Proposition 68 on June 2018 ballot which includes $550 million for these flood management areas: Delta ($50 million), Central Valley ($350 million), multi-benefit projects ($300 million), storm water/mudslide flood projects ($100 million), and urban multi-benefit projects ($100 million).
SB 92 – Public Resources Water Code Sections 6160 and 6161	2017	Dam Failure, Flood	Policy	Bolstered certain dam safety provisions in the California Water Code and Government Code which affects how DWR Division of Safety of Dams oversees dam safety in cooperation with Cal OES. DWR has updated the classification of the public safety risk of all State jurisdictional dams based on downstream hazard potential and reviews of critical appurtenant structures. For significant, high, and extremely high hazard dams under State jurisdiction, DWR will approve inundation maps prepared by dam owners for the failure of the dam and identified critical appurtenant structures under various failure scenarios unique to the dam and shall make approved dam failure inundation maps publicly available. For all dams under State jurisdiction that are not low hazard dams, Emergency Action Plans (EAPs) will be required utilizing these inundation maps. The California Office of Emergency Services shall review and approve the EAP based on the approved dam inundation map(s) prepared by the dam owner.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
AB 1270 – Dams and reservoirs: inspections and reporting. Water Code Sections 6102.5 and 6103	2017	Dam Failure, Flood	Policy	Requires annual inspections for dams deemed to be high hazards, sets standards for inspections, and requires periodic review of dams' original design and construction records. It also requires inspectors to consult periodically with independent experts and makes inspection reports public.
Organic Act of 1897	1897	All Hazards		Set aside National Forest Reserves
State Fire Responsibility Act Public Resources Code Section 4125	1965	Wildfire	Policy	Requires State Board of Forestry to classify all lands in State in which financial responsibility of preventing and suppressing fires is primarily the responsibility of the State; defines State Responsibility Area (SRA) land.
Z'berg Nejedly Forest Practice Act of 1973 Public Resources Code Section 4511, et seq., 4584(j)	1973	Wildfire	Policy	Restores, enhances, and maintains productivity of timberlands while giving consideration to their varied public benefits; and exempts certain vegetation management practices related to fuel reduction and establishing fuel breaks.
California Forest Improvement Act of 1978 Public Resources Code Sections 4790-4799.05	1978	Wildfire	Program	Allows Department of Fish and Wildlife (DFW) to enter into agreements with eligible landowners to undertake forest resource improvement work; establishes practices that will improve long-term quality of forested lands in terms of timber productivity, retention of soil cover and value for wildfire.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Designate Hazardous Fire Areas SB 1972 Public Resources Code Sections 4254, 4255, 4258, 4259, 4260, 4296.5	1979	Wildfire	Policy/Law	Designates hazardous fire areas, regulates the use of fireworks and other hazardous materials within these designated areas; fire prevention reduction standards on railroad right of way.
SB 799 Public Resources Code Sections 4254-4255, 4258-4260	1981	Wildfire	Law	Bans the use of fireworks in SRA Fire Hazard Zones.
Public Resources Code Section 4128.5 (repealed)	1989	Wildfire	Policy/Regulation	Requires State Board of Forestry to review the safety element of counties which contain State responsibility areas and make appropriate recommendations.
Minimum fire safety regulation in SRA SB 1075 Public Resources Code Section 4290	1991	Wildfire	Policy/Law	Sets minimum fire safety regulation in SRA.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Very High Fire Hazard Severity Zones; Fire Hazard Zoning in Local Area of Responsibility (LRA) AB 337 Government Code Sections 51178-51188; Health and Safety Code Section 13108.5	1992	Wildfire	Policy/Law	Establishes designation of Fire Hazard Zoning in Local Responsibility Area (LRA).
AB 3819 Government Code Sections 51178.5, 51189 Health and Safety Code Sections 13108.5, 13132.7	1995	Wildfire	Policy/Law	Sets roofing standards and Model Ordinance for defensibility of space and structures.
AB 747 Health and Safety Code Section 13132.7	1995	Wildfire	Policy/Law	Sets timeline for testing of Class A, B, C roof and shingles.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
AB 1195– Torlakson – Real Estate; Disclosures Civil Code Sections 2079.11, 1102.6c Government Code Sections 8589.3- 8589.5, 51179, 51183.5 Public Resources Code Sections 2621.9, 2694, 2696, 4125, 4136	1997	Wildfire	Institution	Requires an additional disclosure by the seller or, in some cases, the seller's agent, to the prospective buyer with respect to real property located in an area subject to flooding or fire hazards, as specified, to be made either by the issuance of a natural hazard disclosure statement that would be specified by the bill, except as provided, or a disclosure statement specified in existing law.
Natural Hazard Disclosure for wildfire in LRA and Very High Fire Hazard Severity Zones AB 65, AB 248 Civil Code Section 1103, et seq. Government Code Section 51183.5	1998	Wildfire	Law	Establishes disclosure obligations of seller or agent of seller of property in Local Responsibility Area and Very High Fire Hazard Severity Zones; facilitated by Natural Hazard Disclosure Statement.
AB 423 Health and Safety Code Section 13132.7	1999	Wildfire	Policy	Requires the installation of fire retardant roofing material (Class A, B, or C) when repairing, altering, or replacing an existing roof.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
California Clean Water, Clean Air, Safe Neighborhood Parks and Coastal Protection Act of 2002 (Proposition 40) AB 1602 Public Resources Code Section 5096.600, et seq.	2002	Wildfire	Program	Authorized bonds for the purpose of financing a program for the acquisition, development, restoration, protection, rehabilitation, stabilization, reconstruction, preservation, and interpretation of park, coastal, agricultural land, air, and historical resources.
AB 1216– Fire Safety; Regulations. Public Resources Code Section 4291 Government Code Section 51189	2002	Wildfire	Law	Expands fire safety building standards in areas with high fire risk to various components.
Governor's Blue Ribbon Fire Commission	2003	Wildfire	Program	Reviews firefighting effort of Southern California wildfires, and presents recommendations to policy makers that will promote fire safe environment in wildland urban interface (WUI).
Defensible Space regulations SB 1369] Public Resources Code Section 4291	2004	Wildfire	Regulation	Requires persons in SRAs to maintain additional firebreak by removing all brush, flammable vegetation, or combustible growth located 30 to 100 feet from building or structure or to property line.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Forest Fire Prevention Exemption AB 2420 Public Resources Code Section 4584	2004	Wildfire	Policy	Authorized the Board of Forestry and Fire Protection to create a Healthy Forest Fire Prevention Exemption which would exempt from the requirements of the Forest Practice Act the harvesting of trees and other commercial forest products for the purpose of reducing the rate of fire spread, fire duration and intensity, fuel ignitability, and ignition of tree crown.
SB 502- Fires And Fire Protection—Flammable Vegetation—Maintenance Requirements Government Code Section 51182 Health and Safety Code Section 14875 Public Resources Code Section 4291	2005	Wildfire	Policy	Broadened the types of vegetation that homeowners in very high fire risk areas may retain when conducting fire safe clearances around their homes.
SB 1084 – Forest Practices Public Resources Code Section 4442.6, 4464, 4475.5, 4476, 4480	2005	Wildfire	Policy	Established several new fire prevention strategies designed to reduce the threat of wildfire and enhance wildfire suppression resources.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
SB 841– Fire Protection; fire breaks. Public Resources Code Section 4291.3	2006	Wildfire	Policy	Allows a landowner to remove any or all vegetation within 300 feet of specific structures, including hospitals, adult residential care facilities, schools, above ground storage tanks, and hazardous materials facilities, for the purpose of constructing a firebreak or other appropriate vegetation management techniques.
Public Resources Code Section 4201-4204 Government Code Section 51175-51189		Wildfire	Policy	Directs the California Department of Forestry and Fire Protection (CAL FIRE) to map areas of significant fire hazards based on fuels, terrain, weather, and other relevant factors. These zones, referred to as Fire Hazard Severity Zones (FHSZs), define the application of various mitigation strategies to reduce risk associated with wildland fires. SRAs were originally mapped in 1985 and last updated in 2007.
SB 1595– Public Resources; fire protection; fuels management; forest protection Government Code Section 51175, et seq. Public Resources Code Section 4202 and 4291	2008	Wildfire	Policy	Amended defensible space requirements that separate structures from surrounding vegetation and other potential wildfire fuels (recast these requirements in terms of fuels management instead of vegetation management). Required CAL FIRE to develop a guidance document on fuels management, and added certain wind events to the fire modeling for CAL FIRE's designation of a very high fire hazard severity zones as specified that are deemed major causes of wildfire spread.
AB 2859– Public Resources; fire prevention and control; forest protection. Public Resources Code Section 4527 and 4716	2008	Wildfire	Policy	Facilitated and increased fuel treatment and clearance by exempting certain treatment activities.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
Wildfire Prevention Assistance Act of 2008 AB 1883 Public Resources Code Section 4953	2008	Wildfire	Policy	Authorizes CAL FIRE to enter into a contract with a non-profit organization for the purposes of using inmate crews for fire prevention work.
Senate Concurrent Resolution 80 – Fire Safe Councils Resolution Statutes Chapter 116	2008	Wildfire	Resolution	Resolution adopted in State Senate Rules Committee, recognizes California Fire Safe Councils as one of State leading community-based wildfire preparedness organizations.
SB 1241– Land Use; General Plan; Safety Element; Fire Hazard Impacts Government Code Section 65302, Section 65302.5, Section 51177	2012	Wildfire	Policy	Mandates wildfire planning responsibilities to local agencies through requirements regarding 1) wildfire updates to general plans; 2) mandatory findings for subdivision approvals in SRAs and very high fire hazard severity zones (VHFHSZs); and 3) CEQA checklist updates for wildfire safety.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
AB 109 – Budget Act of 2017	2017	Wildfire	Budget Allocation	Allocates $220 million from the Greenhouse Gas Reduction Fund to CAL FIRE to address fire protection and resource management to mitigate wildfire. The funds appropriated to CAL FIRE are intended to be used for State and local healthy forest and fire prevention programs and projects that improve forest health and reduce greenhouse gas emissions caused by uncontrolled wildfires, including, but not limited to, vegetation management, forest overgrowth reduction, biomass energy generation, and measures to ensure future wildfires are more consistent with historic regenerative fire regime.
California Global Warming Solutions Act of 2006 SB 32	2006	Climate Change	Policy	AB 32 establishes a State goal of reducing greenhouse gas emissions to 1990 levels by 2020 (a reduction of approximately 25 percent from forecast emission levels), with further reductions to follow.
AB 2140 – General Plans; Safety Element	2006	All Hazards	Policy	This bill provides that the State may allow for more than 75 percent of Public Assistance (PA) funding under the California Disaster Assistance Act only if the local agency is in a jurisdiction that has adopted a local hazard mitigation plan (LHMP) as part of the safety element of its general plan. The LHMP needs to include elements specified in this legislation. In addition, this bill requires Cal OES to give preference for federal mitigation funding to cities and counties that have adopted LHMPs. The intent of the bill is to encourage cities and counties to create and adopt hazard mitigation plans.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
AB 2800– Climate Change; Infrastructure Planning	2016	Climate Change	Policy	This California State Assembly bill passed in 2016 and requires State agencies to take into account the current and future impacts of climate change when planning, designing, building, operating, maintaining, and investing in State infrastructure. The bill, by July 1, 2017, and until July 1, 2020, requires an agency to establish a Climate-Safe Infrastructure Working Group to examine how to integrate scientific data concerning projected climate change impacts into State infrastructure engineering.
SB 97– CEQA; Greenhouse gas emissions	2007	Climate Change	Policy	Senate Bill 97, enacted in 2007, amends CEQA to clearly establish that greenhouse gas emissions and the effects of greenhouse gas emissions are appropriate subjects for CEQA analysis. It directs the Governor's Office of Planning and Research (OPR) to develop draft CEQA guidelines for the mitigation of greenhouse gas emissions or their effects by July 1, 2009, and directs the California Natural Resources Agency to certify and adopt the CEQA Guidelines by January 1, 2010.
SB 99- General plans: safety element: emergency evacuation routes.	2019	All Hazards	Policy	Senate Bill 99, enacted in 2019, requires that cities' and counties' general plans address evacuation routes from any hazard area identified in the safety element. Under this law, the safety element must include information to identify residential developments in hazard areas that do not have at least two emergency evacuation routes. Each city or county must update its safety element with the new information upon the next revision of its housing element on or after January 1, 2020.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
SB 379- Land use: general plan: safety element	2017	Climate Change	Policy	SB 379 builds upon the flood planning inclusions into the safety and housing elements and the hazard mitigation planning safety element inclusions in general plans outlined in AB 162 and AB 2140, respectively. SB 379 focuses on a new requirement that cities and counties include climate adaptation and resiliency strategies in the safety element of their general plans beginning January 1, 2017. In addition, this bill requires general plans to include a set of goals, policies, and objectives, and specified implementation measures based on the conclusions drawn from climate adaptation research and recommendations.
SB 1000 – Land use: general plans: safety and environmental justice	2018	All Hazards	Policy	The original law established requirements for initial revisions of general plan safety elements to address flooding, fire, and climate adaptation and resilience. It also required subsequent review and revision as necessary based on new information. SB 1000 specifies that the subsequent reviews and revision based on new information are required to address only flooding and fires (not climate adaptation and resilience). SB 1000 adds a requirement that, upon adoption or revision of any two other general plan elements on or after January 1, 2018, an environmental justice element be adopted for the general plan or environmental justice goals, policies, and objectives be incorporated into other elements of the plan.
AB 619 – Air quality	2021	Air Pollution	Policy	Require the State Department of Public Health to develop a plan, addressing specified issues, with recommendations and guidelines for counties to use in the case of a significant air quality event caused by wildfires or other sources. The bill requires the department to consult with specified stakeholders in developing the plan.

Authority Name and Corresponding Regulations	Year	Hazards	Type of Authority	Description
SB 352 – School sites: sources of pollution	2003	Air Pollution	Policy	Prohibits the approval by the governing board of a school district of a school site that is within 500 feet from the edge of the closest traffic lane of a freeway or other busy traffic corridor, unless prescribed conditions are met and would make conforming and other technical, no substantive changes.

Appendix M. **Basics of Local Mitigation Planning**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

M. BASICS OF LOCAL MITIGATION PLANNING

Appendix M, "Basics of Local Mitigation Planning," is a standalone document that is periodically updated to incorporate updates in guidance. It is available to download from the Cal OES website.

Appendix N. **Plan Integration**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

N. PLAN INTEGRATION

California's integrated planning spans a wide range of State agencies and departments, and stakeholders. Table N-1 is not an exhaustive list but includes a sampling of selected plans, policies, and initiatives that demonstrate California's efforts and commitment to developing a comprehensive statewide strategy for mitigation hazards through integrated planning efforts.

Table N-1. Selected Integrated Planning

Plan, Policy, or Program	Description	Website
2018 Strategic Fire Plan for California	Prevention, mitigation, suppression, and natural resource management goals and objectives for the California Department of Forestry and Fire Protection (CAL FIRE). Focused on meeting statewide climate change goals and conserving habitat for adaptation and mitigation.	https://files.ceqanet.opr.ca.gov/123569-2/attachment/tIY1FUXNGYCcF91aLKwlWecgulRBAsCpP0OZzxb8wC9SjCg2XMI2d32gJti68B-_kvwirwboOLLFi9UB0
2022 Scoping Plan for Achieving Carbon Neutrality	Provides a roadmap to achieve targets for carbon neutrality and reduction of greenhouse gas (GHG) emissions by 85 percent below 1990 levels by 2045.	https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents
Alliance of Regional Collaboratives for Climate Adaptation (ARCCA)	A network of leading regional collaboratives across California working to build resilience to climate change impacts in their own regions, as well as to support State efforts to advance adaptation research, policymaking, planning, funding, implementation, and monitoring and evaluation efforts.	https://arccacalifornia.org/
CAL FIRE Grants	A portfolio of 10 grant programs that support prevention, conservation, reforestation, forest health, workforce development, Tribal resilience, tree plantings, research, and technical assistance.	https://www.fire.ca.gov/grants/

Plan, Policy, or Program	Description	Website
CAL FIRE's Land Use Planning Program	Assists local governments with addressing the unreasonable risk from wildfire by planning for new development in the State Responsibility Areas (SRA) and Very High Fire Hazard Severity Zones (VHFHSZ).	https://osfm.fire.ca.gov/what-we-do/community-wildfire-preparedness-and-mitigation/land-use-planning
Cal OES' Office of Private Sector/NGO Coordination	Fosters relationships with businesses, associations, companies, non-profits, and universities with the California Governor's Office of Emergency Services (Cal OES).	https://www.caloes.ca.gov/office-of-the-director/policy-administration/private-ngo-coordination/
CALGreen	State-mandated green building code aimed at improving public health, safety, and general welfare through enhanced design and construction of buildings using concepts that reduce negative impacts and promote those principles which have a positive environmental impact.	https://www.hcd.ca.gov/building-standards/calgreen
California Adaptation Planning Guide (APG)	Provides a step-by-step process communities can follow to plan for climate change.	https://resilientca.org/apg/
California Building Standards Code	Includes provisions for seismic events, fires, and floods. In some instances, a model code provides language to assist local jurisdictions with developing higher regulatory standards.	https://www.dgs.ca.gov/BSC/Codes
California Data Exchange Center (CDEC)	Provides users access to hydrologic and climate information to support real-time flood management and water supply needs in California.	https://cdec.water.ca.gov/

Plan, Policy, or Program	Description	Website
California Utilities Emergency Association (CUEA)	Serves as a point of contact for critical infrastructure utilities and Cal OES and other governmental agencies before, during, and after an incident to facilitate communications; support planning, mitigation, training, and exercises; and provide emergency response support.	https://www.cueainc.com/
California Wildfire Mitigation Program	Collaborative effort between CAL FIRE and Cal OES Hazard Mitigation Section to support retrofits and the creation of defensible space around residences.	https://www.caloes.ca.gov/office-of-the-director/operations/recovery-directorate/hazard-mitigation/california-wildfire-mitigation-program/
California's Flood Future: Recommendations for Managing the State's Flood Risk (2013)	Profiles flood risk and makes strategy recommendations for flood risk reduction. Co-developed by California Department of Water Resources (DWR) and U.S. Army Corps of Engineers (USACE).	https://cawaterlibrary.net/wp-content/uploads/2017/05/California_Flood_Future.pdf
California's Fourth Climate Change Assessment	Provides information to build resilience to climate impacts, including temperature, wildfire, water, sea-level rise, and governance. The Fifth Climate Change Assessment is being updated concurrently with the 2023 State Hazard Mitigation Plan (SHMP) development.	https://climateassessment.ca.gov/
Cap-and-Trade Program	Ensures California meets greenhouse gas emissions reduction goals in a cost-effective manner. Provides financial support to numerous other State agencies and organizations to reduce greenhouse gas emissions and promote economic, environmental, and public health improvements.	https://ww2.arb.ca.gov/our-work/programs/cap-and-trade-program

Plan, Policy, or Program	Description	Website
Central Valley Tributaries (CVT) Flood Risk Reduction Grant Program	Funding for multi-beneficial flood risk reduction projects to address flood risk in urban communities, small communities, and rural areas.	https://water.ca.gov/Work-With-Us/Grants-And-Loans/Central-Valley-Tributaries-Program
Climate Action Plan for Transportation Infrastructure (CAPTI)	Identifies critical actions to incentivize the implementation of transportation strategies to combat and adapt to the climate crisis.	https://calsta.ca.gov/-/media/calsta-media/documents/capti-july-2021-a11y.pdf
Coastal Watershed Flood Risk Reduction Program	Funding for multi-beneficial flood risk reduction projects to address flood risk in coastal areas. Priority is given to projects located in a Federal Emergency Management Agency (FEMA) Special Flood Hazard Area (SFHA).	https://water.ca.gov/Work-With-Us/Grants-And-Loans/Coastal-Watershed-Flood-Risk-Reduction
Community Development Block Grant (CDBG) Program	Incorporates disaster planning into the administration of federal CDBG funds.	https://www.grants.ca.gov/grants/community-development-block-grant-cdbg/
Delta Levees Maintenance Subventions Program	Cost-share program to support local levee maintenance and rehabilitation in the Delta.	https://water.ca.gov/Work-With-Us/Grants-And-Loans/Delta-Levees-Maintenance-Subventions
Delta Levees Special Flood Control Projects Program	Provides funding to local agencies for flood protection in the Delta. Support is provided for projects that protect and enhance environmental and cultural resources, infrastructure, utilities, water quality, and natural resources.	https://water.ca.gov/Work-With-Us/Grants-And-Loans/Delta-Levees-Special-Flood-Control-Projects
DWR's Statewide Flood Management Planning (SFMP) Program	A set of planning initiatives focused at the regional, basin, or watershed level to identify localized flood management priorities and challenges. Plans include Sacramento River Basin-Wide Feasibility Study, San Joaquin River Basin-Wide Feasibility Study, the Central Valley Flood Protection Plan (CVFPP), and six Regional Flood Management Plans (RFMPs).	https://water.ca.gov/Programs/Flood-Management/Flood-Planning-and-Studies

Plan, Policy, or Program	Description	Website
Earthquake Brace + Bolt	Provides funding and incentives to homeowners to retrofit residences.	https://www.earthquakebracebolt.com/
Flood Control Subventions Program	Provides non-federal cost share for USACE flood control projects in the Central Valley.	https://water.ca.gov/Work-With-Us/Grants-And-Loans/Flood-Control-Subventions-Program
Flood Corridor Program (FCP)	Provides funding for nonstructural flood management projects to restore the natural functions of the floodplain and enhance wildlife habitat.	https://water.ca.gov/Work-With-Us/Grants-And-Loans/Flood-Corridor-Program
Flood Emergency Response Information Exchange (FERIX)	System for agencies to access and exchange current flood information in real time.	https://ferix.water.ca.gov/webapp/home.jsp
Flood Emergency Response Projects Grants	A system of three grants to improve local flood emergency response.	https://water.ca.gov/Work-With-Us/Grants-And-Loans/Flood-Emergency-Response-Projects-Grants
Floodplain Management, Protection, and Risk Awareness (FMPRA) Grant Program	Provides funding to support risk reduction of stormwater-related flooding, mudslides, and flash floods.	https://water.ca.gov/Work-With-Us/Grants-And-Loans/Flood-Management-Protection-Risk-Awareness-Program
Governor's Office of Planning and Research (OPR) General Plan Guidelines and Technical Advisories	Provides guidelines for the development of State-mandated general plans for all cities and counties. Guidelines include topics focused on equitable and resilient communities, climate change, environmental justice, and fire hazard planning. The Guidelines also require a safety element that includes climate adaptation for each local plan.	https://opr.ca.gov/planning/general-plan/guidelines.html
Health in All Policies Initiative	A collaborative approach to improving the health of all people by incorporating health considerations into decision-making across sectors and policy areas.	https://sgc.ca.gov/programs/healthandequity/hiap/

Plan, Policy, or Program	Description	Website
Integrated Climate Adaptation and Resiliency Program (ICARP)	Enables the State to coordinate across local, regional, and State efforts to support cohesive strategies focused on response to climate impacts by prioritizing equitable approaches that integrate mitigation and adaptation.	https://opr.ca.gov/climate/icarp/
Local Levee Assistance Program (LLAP)	Provides funding for obtaining geotechnical information to repair damaged levees outside of the Sacramento-San Joaquin Delta.	https://water.ca.gov/Work-With-Us/Grants-And-Loans/Local-Levee-Assistance-Program
Safeguarding California Plan: 2018 Update	Provides the State's strategy for taking action to respond to climate change.	https://resources.ca.gov/CNRALegacyFiles/docs/climate/safeguarding/update2018/safeguarding-california-plan-2018-update.pdf
Senate Bill (SB) 63 (2021)	Directs the Office of the State Fire Marshal (OSFM) and the California Department of Housing and Community Development (HCD) to propose building standards for High Fire Hazard Severity Zones (HFHSZ) and to consider, if appropriate, standards for moderate severity zones. The bill also directs the California Building Standards Commission (CBSC) to adopt these standards.	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202120220SB63
SB 552 (2021)	Outlines new requirements for small water suppliers, county governments, DWR, and the State Water Resources Control Board (Water Board) to implement more proactive drought planning and be better prepared for future water shortage events or dry years.	Bill Text – SB-552 Drought planning: small water suppliers: nontransient noncommunity water systems. (ca.gov)

Plan, Policy, or Program	Description	Website
SB 1425 (2022)	Requires every city and county to review and update its local open-space plan by January 1, 2026. These updates must include plans and an action program addressing specified issues, including climate resilience and other co-benefits of open space.	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202120220SB1425
Sierra Climate Adaptation and Mitigation Partnership (Sierra CAMP)	A cross-sector partnership that promotes and facilitates regional climate adaptation and mitigation strategies, and serves as a climate action capacity-building hub for Sierra and Cascade communities. It fosters urban-rural connections to build statewide investment in the region's communities and natural resources.	https://www.sierrabusiness.org/archives/sierra-camp/#:~:text=The%20Sierra%20Climate%20Adaptation%20and,urban%2Drural%20connections%20to%20build
Small Communities Flood Risk Reduction Program (SCFRRP)	Provides funding for flood risk reduction projects for small communities protected by State Plan of Flood Control (SPFC) facilities.	https://water.ca.gov/Work-With-Us/Grants-And-Loans/Small-Communities-Flood-Risk-Reduction
State of California Emergency Plan (SEP): 2017	Addresses California's response to emergencies associated with natural disasters and human-caused emergencies.	https://www.caloes.ca.gov/wp-content/uploads/Preparedness/Documents/California_State_Emergency_Plan_2017.pdf
Systemwide Flood Risk Reduction Program	Provides funding for projects within the Delta and Central Valley aimed at reducing flood risk and restoring habitat.	https://water.ca.gov/Programs/Flood-Management/Flood-Projects/Systemwide-Flood-Risk-Reduction
Urban Flood Risk Reduction Program	Provides funding for flood risk reduction projects for urban areas protected by SPFC facilities.	https://water.ca.gov/Work-With-Us/Grants-And-Loans/Urban-Flood-Risk-Reduction

Appendix O. **Potential Funding Sources**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

O. POTENTIAL FUNDING SOURCES

Potential funding sources for hazard mitigation projects are offered by numerous federal and State programs. The tables below are not exhaustive but include selected funding programs that are currently available for application.

Table O-1. Non-Emergency Stafford Act Assistance and FEMA Mitigation Programs

Program	Description	Policy Guide/Website
Public Assistance (PA) Categories C-G	Post-disaster reimbursement of response and recovery costs	Process of Public Assistance Grants | FEMA
Fire Management Assistance Grant (FMAG)	Mitigation, management, and control of fires on publicly or privately owned forests or grasslands that threaten destruction that would constitute a major disaster	Fire Management Assistance Grant Program | FEMA
Building Resilient Infrastructure and Communities (BRIC)	Pre-disaster funding for proactive mitigation and community resilience projects and plans	Building Resilient Infrastructure and Communities | FEMA
Hazard Mitigation Grant Program (HMGP)	Post-disaster funding for mitigation and community resilience projects and plans	Hazard Mitigation Grant Program | FEMA
HMGP-Post Fire	Assistance to help communities implement hazard mitigation measures after wildfire disasters	Hazard Mitigation Grant Program Post Fire | FEMA
Flood Mitigation Assistance (FMA)	Pre-disaster funding for flood hazard mitigation and community resilience activities that benefit properties insured under the National Flood Insurance Program (NFIP)	Flood Mitigation Assistance Grant Program | FEMA
Rehabilitation of High Hazard Potential Dams (HHPD)	Technical, planning, design, and construction assistance in the form of grants for rehabilitation of eligible high hazard potential dams	Rehabilitation of High Hazard Potential Dam Grant Program | FEMA
National Flood Insurance Program (NFIP)	Enables property owners to purchase insurance as a protection against flood losses in exchange for state and community floodplain management regulations that reduce future flood damages	Flood Insurance | FEMA

Table O-2. U.S. Environmental Protection Agency (EPA) Programs

Program	Description	Policy Guide/Website
Clean Water Act Section 319 Grants	State and Tribal nonpoint source (NPS) pollution programs include technical assistance, financial assistance, education, training, technology transfer, demonstration projects, and regulatory programs	Polluted Runoff: Nonpoint Source (NPS) Pollution | US EPA
Clean Water State Revolving Funds (CWSRF)	Low-interest loans for a wide range of water infrastructure projects	Clean Water State Revolving Fund | US EPA
Wetland Program Development Grants (WPDGs)	Enables applicants to conduct projects that promote the coordination and acceleration of research, investigations, experiments, training, demonstrations, surveys, and studies relating to the causes, effects, extent, prevention, reduction, and elimination of water pollution	Wetland Program Development Grants and EPA Wetlands Grant Coordinators | US EPA
Water Infrastructure and Resiliency Finance Center	Provides financing information to help local decision makers make informed decisions about drinking water, wastewater, and stormwater infrastructure, to protect human health and the environment. Water quality projects often meet flood mitigation goals	Water Infrastructure and Resiliency Finance Center | US EPA

Table O-3. U.S. Department of Housing and Urban Development (HUD) Programs

Program	Description	Policy Guide/Website
Community Development Block Grant Mitigation (CDBG-MIT)	The Community Development Block Grant Mitigation Program is designed to provide assistance to areas affected by recent disasters through funding high-impact activities aimed at reducing future losses from natural hazards	CDBG Mitigation Funds | HUD
Community Development Block Grant Disaster Recovery (CDBG-DR)	Provides flexible grants to help cities, counties, and states recover from Presidentially declared disasters, especially in low-income areas	CDBG Disaster Recovery Funds | HUD

Program	Description	Policy Guide/Website
Section 108 Loan Guarantee Program	Provides communities with low-cost financing for economic development, housing rehabilitation, public facilities, and other physical development projects, including improvements to increase their resilience against natural disasters	Section 108 Loan Guarantee Program | HUD

Table O-4. U.S. Bureau of Reclamation (USBR) Program

Program	Description	Policy Guide/Website
WaterSMART	Grants and technical assistance to increase water supply through investments to modernize existing infrastructure and avoid potential water conflicts	WaterSMART | USBR

Table O-5. National Fish and Wildlife Foundation (NFWF) Programs

Program	Description	Policy Guide/Website
Five Star and Urban Waters Restoration Grant Program	Projects seek to address water quality issues in priority watersheds, such as erosion due to unstable streambanks, pollution from stormwater runoff, and degraded shorelines caused by development	Five Star and Urban Waters Restoration Grant Program | NFWF
National Coastal Resilience Fund	Provides grants for conservation projects that restore or expand natural features such as coastal marshes and wetlands, dune and beach systems, oyster and coral reefs, forests, coastal rivers and floodplains, and barrier islands that minimize the impacts of storms and other naturally occurring events on nearby communities	National Coastal Resilience Fund | NFWF
Resilient Communities Program	The program focuses on water quality and quantity declines, forest health concerns, and sea-level rise. The program emphasizes community inclusion and assistance to traditionally underserved populations in vulnerable areas	Resilient Communities Program | NFWF

Table O-6. National Oceanic and Atmospheric Administration (NOAA) Programs

Program	Description	Policy Guide/Website
Office for Coastal Management Funding Opportunities	Works to build the resiliency of coastal areas and take actions needed to keep coastal residents safe, the economy sound, and natural resources functioning	Funding Opportunities | Office for Coastal Management - NOAA
National Coastal Zone Management Program	Addresses coastal issues including climate change, ocean planning, and planning for energy facilities and development	The National Coastal Zone Management Program | Office for Coastal Management - NOAA

Table O-7. U.S. Army Corps of Engineers (USACE) Programs

Program	Description	Policy Guide/Website
Planning Assistance to States Program (PAS)	Funds studies dealing with water resources issues such as water supply and demand, water quality, environmental conservation and restoration, wetlands evaluation, dam safety and failure, flood damage reduction, coastal zone management and protection, harbors and ports, and floodplain management	Planning Assistance to States | San Francisco District - USACE
Floodplain Management Services (FPMS)	Provides technical and planning services to support effective floodplain management	Floodplain Management Services | San Francisco District - USACE
Environmental Program	Guidance for implementing environmental programs such as ecosystem restoration and environmental cleanup	Environmental Program | USACE

Table O-8. U.S. Bureau of Land Management (BLM) Program

Program	Description	Policy Guide/Website
Community Wildfire Assistance	Provides funding and technical expertise for hazardous fuels reduction on adjacent non-federal lands, completing Community Wildfire Protection Plans (CWPPs), prevention efforts to reduce human-caused fires, and wildland fire training for fire departments and rangeland fire protection associations (RFPAs)	Community Wildfire Assistance | BLM

Table O-9. U.S. Department of Agriculture (USDA) Programs

Program	Description	Policy Guide/Website
Smith-Lever Special Needs Competitive Grants Program	Helps enable families, communities, and businesses to successfully prepare for, respond to and cope with disaster losses and critical incidents	Smith-Lever Special Needs Competitive Grants Program | National Institute of Food and Agriculture - USDA
Community Facilities Direct Loan and Grant Program	Funds the development of essential community facilities in rural areas	Community Facilities Direct Loan & Grant Program | Rural Development - USDA
Disaster Assistance Programs	Provides assistance to farmers, ranchers, communities, and businesses impacted by natural disasters through various programs supporting livestock, farmland, and crop losses	Disaster Assistance Programs | Farm Service Agency - USDA
Emergency Watershed Protection (EWP) Program	Offers technical and financial assistance to help local communities relieve imminent threats to life and property caused by floods, fires, windstorms and other natural disasters that impair a watershed	Emergency Watershed Protection | Natural Resources Conservation Service - USDA
Watershed and Flood Prevention Operations (WFPO) Program	Provides technical and financial assistance to help plan and implement authorized watershed projects for the purpose of flood prevention, watershed protection, public recreation, public fish and wildlife, and water quality management	Watershed and Flood Prevention Operations (WFPO) Program | Natural Resources Conservation Service - USDA

Table O-10. U.S. Department of Homeland Security (DHS) Program

Program	Description	Policy Guide/Website
Homeland Security Grant Program	Suite of risk-based grants to assist State, local, Tribal, and territorial efforts in preventing, protecting against, mitigating, responding to and recovering from acts of terrorism and other threats	Homeland Security Grant Program | FEMA

Table O-11. State Mitigation Programs

Program	Description	Policy Guide/Website
California Earthquake Authority (CEA) – Earthquake Brace + Bolt (EBB) Program	Helps homeowners strengthen their homes against earthquakes by offering a grant of up to $3,000 towards a seismic retrofit for qualifying houses	Earthquake Retrofit Grants | CEA Earthquake Brace + Bolt | California Residential Mitigation Program - CEA
California Department of Water Resources (DWR) – Proposition 84	Authorizes general obligation bonds to fund safe drinking water, water quality and supply, flood control, waterway and natural resource protection, water pollution and contamination control, State and local park improvements, public access to natural resources, and water conservation efforts	Proposition 84 | DWR Proposition 84 Overview | Bond Accountability - CNRA
DWR – Urban Flood Risk Reduction (UFRR) Program	Allocates Proposition 1E bond funds for projects to rehabilitate, reconstruct, replace, repair, or improve State Plan of Flood Control (SPFC) facilities in the Central Valley	Urban Flood Risk Reduction | DWR
DWR – Small Communities Flood Risk Reduction (SCFRRP)	Local assistance program whose objective is to reduce flood risk for small communities protected by SPFC facilities, as well as for legacy communities	Small Communities Flood Risk Reduction | DWR
DWR – Flood Control Subventions Program	Provides financial assistance to local agencies cooperating in the construction of federally authorized flood control projects	Flood Control Subventions Program | DWR
DWR – Delta Levees Maintenance Subventions	Provides funding on a cost-share basis to local levee maintaining agencies for rehabilitation and maintenance of levees in the Sacramento-San Joaquin Delta	Delta Levees Maintenance Subventions | DWR
DWR – Delta Levees Special Flood Control Projects	Provides critical financial assistance for flood protection in the Sacramento-San Joaquin Delta	Delta Levees Special Flood Control Projects | DWR

Program	Description	Policy Guide/Website
DWR – Central Valley Tributaries Program	Funds multi-benefit flood risk reduction projects that address flood risk for urban communities, small communities, and/or rural areas; and enhance ecosystems by improving fish and wildlife habitat and water quality downstream	Central Valley Tributaries Program | DWR
DWR – Integrated Regional Water Management Grant Programs	Collaborative effort to manage all aspects of water resources in a region. The grant programs fund planning, implementation, and disadvantaged community and Tribal involvement	Integrated Regional Water Management Grant Programs | DWR 2022 Integrated Regional Water Management Grant Program Guidelines | DWR

Appendix P. **California Communities in NFIP and CRS**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

P. CALIFORNIA COMMUNITIES IN NFIP AND CRS

P.1. NATIONAL FLOOD INSURANCE PROGRAM

The National Flood Insurance Program (NFIP) enables property owners to purchase flood insurance. In return, communities agree to adopt and implement local floodplain management regulations that contribute to protecting lives and reducing the risk of new construction and substantial improvements from future flooding (FEMA n.d.-d).

The NFIP Community Status Book contains the current NFIP participation status of a community. The "NFIP status" can be that a community:

- Participates in the NFIP
- Does not participate in the NFIP
- Is suspended or sanctioned

Table P-1 provides the NFIP status for participating municipalities and counties in the State of California, as listed in the NFIP Community Status Book.

Table P-1. NFIP Status for the State of California

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060639E	ADELANTO, CITY OF	SAN BERNARDINO COUNTY	11/07/78	04/15/80	09/02/16	04/15/80	No		Regular	YES
065072F	AGOURA HILLS, CITY OF	LOS ANGELES COUNTY		03/04/86	04/04/18	03/04/86	No		Regular	YES
060763E	AGUA CALIENTE BAND OF CAHUILLA INDIANS TRIBE	RIVERSIDE COUNTY	06/21/74	03/02/83	04/19/17	06/21/96	Yes		Regular	YES
060001B	ALAMEDA COUNTY	ALAMEDA COUNTY	11/01/74	04/15/81	12/21/18	04/15/81	No	7	Regular	YES
060002B	ALAMEDA, CITY OF	ALAMEDA COUNTY	05/24/74	08/01/78	12/21/18	08/01/78	No	8	Regular	YES
060003B	ALBANY, CITY OF	ALAMEDA COUNTY	11/19/76	02/01/80	12/21/18	03/11/80	No		Regular	YES
060095#	ALHAMBRA, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	(NSFHA)	11/15/79	No		Regular	YES
060770#	ALISO VIEJO, CITY OF	ORANGE COUNTY		02/18/04	12/03/09	06/18/09	No		Regular	YES
060632#	ALPINE COUNTY	ALPINE COUNTY		11/19/87	(All Zone D)	04/19/89	No		Regular	YES
060193B	ALTURAS, CITY OF	MODOC COUNTY	05/31/74	09/24/84	12/02/15	09/24/84	No		Regular	YES
060015#	AMADOR COUNTY	AMADOR COUNTY	06/07/77	09/24/84	01/20/16	09/24/84	No		Regular	YES
060755C	AMERICAN CANYON, CITY OF	NAPA COUNTY	01/29/71	02/01/80	08/03/16	01/11/94	No		Regular	YES
060213#	ANAHEIM, CITY OF	ORANGE COUNTY	07/26/74	06/04/80	12/03/09	06/04/80	No	8	Regular	YES
060359#	ANDERSON, CITY OF	SHASTA COUNTY	06/14/74	09/01/77	03/17/11	09/01/77	No		Regular	YES
060021#	ANGELS, CITY OF	CALAVERAS COUNTY	06/21/74	09/24/84	12/17/10	09/24/84	No		Regular	YES
060026C	ANTIOCH, CITY OF	CONTRA COSTA COUNTY	06/28/74	12/02/80	03/21/17	12/02/80	No		Regular	YES
060752E	APPLE VALLEY, TOWN OF	SAN BERNARDINO COUNTY		03/18/96	09/02/16	06/16/95	No		Regular	YES
065014#	ARCADIA, CITY OF	LOS ANGELES COUNTY	05/14/76	09/26/08	09/26/08	09/07/84	No		Regular	YES
060061B	ARCATA, CITY OF	HUMBOLDT COUNTY	06/28/74	05/02/83	06/21/17	05/02/83	No		Regular	YES
060305C	ARROYO GRANDE, CITY OF	SAN LUIS OBISPO COUNTY	06/07/74	09/19/84	05/16/17	09/19/84	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060097#	ARTESIA, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	(NSFHA)	03/30/79	No		Regular	YES
060076#	ARVIN, CITY OF	KERN COUNTY		08/04/87	09/26/08	01/13/88	No		Regular	YES
060700#	ATASCADERO, CITY OF	SAN LUIS OBISPO COUNTY	09/16/80	01/20/82	11/16/12	01/20/82	No		Regular	YES
060312D	ATHERTON, TOWN OF	SAN MATEO COUNTY	07/11/75	10/16/12	(NSFHA)	10/28/77	No		Regular	YES
060189#	ATWATER, CITY OF	MERCED COUNTY	05/03/74	08/02/95	12/02/08	11/01/79	No		Regular	YES
060240A	AUBURN, CITY OF	PLACER COUNTY	05/31/74	06/08/98	11/02/18	12/23/81	No		Regular	YES
060098#	AVALON, CITY OF	LOS ANGELES COUNTY	10/08/76	09/29/78	09/26/08	09/29/78	No		Regular	YES
065073#	AVENAL, CITY OF	KINGS COUNTY		05/17/88	06/16/09	04/05/89	No		Regular	YES
065015#	AZUSA, CITY OF	LOS ANGELES COUNTY	06/14/74	09/26/08	09/26/08	09/07/84	No		Regular	YES
060077B	BAKERSFIELD, CITY OF	KERN COUNTY	08/16/74	05/01/85	10/21/21	05/01/85	No		Regular	YES
060100#	BALDWIN PARK, CITY OF	LOS ANGELES COUNTY	06/28/74	05/26/78	(NSFHA)	05/26/78	No		Regular	YES
060246#	BANNING, CITY OF	RIVERSIDE COUNTY	03/15/74	10/17/78	08/28/08	10/17/78	No		Regular	YES
060271E	BARSTOW, CITY OF	SAN BERNARDINO COUNTY	01/17/75	02/01/80	09/02/16	02/01/80	No		Regular	YES
060247#	BEAUMONT, CITY OF	RIVERSIDE COUNTY	04/05/74	10/17/78	08/18/14	10/17/78	No		Regular	YES
060656#	BELL GARDENS, CITY OF	LOS ANGELES COUNTY		09/26/08	09/26/08(M)	09/27/91	No		Regular	YES
060101#	BELL, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	(NSFHA)	11/30/79	No		Regular	YES
060102#	BELLFLOWER, CITY OF	LOS ANGELES COUNTY	06/28/74	07/06/98	09/26/08	04/30/79	No		Regular	YES
065016D	BELMONT, CITY OF	SAN MATEO COUNTY	07/19/74	03/09/82	04/05/19	03/09/82	No		Regular	YES
060429D	BELVEDERE, CITY OF	MARIN COUNTY	06/07/74	05/02/77	03/16/16	05/02/77	No		Regular	YES
060368D	BENICIA, CITY OF	SOLANO COUNTY	03/15/74	05/31/77	08/03/16	05/31/77	No		Regular	YES
060004B	BERKELEY, CITY OF	ALAMEDA COUNTY	12/07/73	09/01/78	12/21/18	09/01/78	No		Regular	YES
060655F	BEVERLY HILLS, CITY OF	LOS ANGELES COUNTY	12/11/79	09/26/08	(NSFHA)	01/28/80	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060731#	BIG BEAR LAKE, CITY OF	SAN BERNARDINO COUNTY		09/29/78	08/28/08	03/07/89	No		Regular	YES
060397#	BIG VALLEY BAND OF POMO INDIANS	LAKE COUNTY		09/30/05	09/30/05	06/14/10	Yes		Regular	YES
060437#	BIGGS, CITY OF	BUTTE COUNTY		06/08/98	(NSFHA)	06/04/89	No		Regular	YES
060074B	BISHOP, CITY OF	INYO COUNTY	06/07/74	06/19/85	12/03/20	06/19/85	No		Regular	YES
060438B	BLUE LAKE, CITY OF	HUMBOLDT COUNTY	01/17/75	09/30/82	11/04/16	09/30/82	No		Regular	YES
060248#	BLYTHE, CITY OF	RIVERSIDE COUNTY	05/10/74	06/30/76	(NSFHA)	06/30/76	No		Regular	YES
065017#	BRADBURY, CITY OF	LOS ANGELES COUNTY	11/21/75	09/26/08	(NSFHA)	09/07/84	No		Regular	YES
060066#	BRAWLEY, CITY OF	IMPERIAL COUNTY	06/18/76	09/26/08	09/26/08(M)	08/04/78	No		Regular	YES
060214#	BREA, CITY OF	ORANGE COUNTY	05/24/74	12/02/80	12/03/09	12/02/80	No		Regular	YES
060439C	BRENTWOOD, CITY OF	CONTRA COSTA COUNTY	02/07/75	06/16/09	03/21/17	04/15/79	No		Regular	YES
060314D	BRISBANE, CITY OF	SAN MATEO COUNTY	05/24/74	03/29/83	04/05/19	03/29/83	No		Regular	YES
060757#	BUELLTON, CITY OF	SANTA BARBARA COUNTY	12/20/74	03/15/79	12/04/12	10/16/95	No		Regular	YES
060215#	BUENA PARK, CITY OF	ORANGE COUNTY	11/01/74	02/01/79	12/03/09	02/01/79	No		Regular	YES
065018#	BURBANK, CITY OF	LOS ANGELES COUNTY	07/19/74	03/16/81	09/26/08	01/23/81	No		Regular	YES
065019D	BURLINGAME, CITY OF	SAN MATEO COUNTY	06/28/74	09/16/81	04/05/19	09/16/81	No	9	Regular	YES
060017#	BUTTE COUNTY	BUTTE COUNTY	09/06/74	09/29/89	01/06/11	09/29/89	No		Regular	YES
060749F	CALABASAS, CITY OF	LOS ANGELES COUNTY		12/02/80	12/21/18	03/10/93	No		Regular	YES
060633B	CALAVERAS COUNTY	CALAVERAS COUNTY	11/29/77	09/05/90	05/16/17	09/05/90	No		Regular	YES
060067#	CALEXICO, CITY OF	IMPERIAL COUNTY	02/01/74	01/20/82	09/26/08	01/20/82	No		Regular	YES
060440#	CALIFORNIA CITY, CITY OF	KERN COUNTY	04/15/77	01/02/82	09/26/08	01/20/82	No		Regular	YES
060740#	CALIMESA, CITY OF	RIVERSIDE COUNTY		08/28/08	08/28/08	05/01/91	No		Regular	YES
060068#	CALIPATRIA, CITY OF	IMPERIAL COUNTY	04/12/74	09/26/08	(NSFHA)	06/01/82	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060206#	CALISTOGA, CITY OF	NAPA COUNTY	05/10/74	09/28/79	09/26/08	09/28/79	No		Regular	YES
065020E	CAMARILLO, CITY OF	VENTURA COUNTY	07/19/74	09/29/86	01/07/15	09/29/86	No		Regular	YES
060338#	CAMPBELL, CITY OF	SANTA CLARA COUNTY	05/31/74	06/30/76	02/19/14	06/30/76	No		Regular	YES
060753E	CANYON LAKE, CITY OF	RIVERSIDE COUNTY		04/15/80	04/19/17	09/15/98	No		Regular	YES
060354F	CAPITOLA, CITY OF	SANTA CRUZ COUNTY	05/17/74	08/15/84	09/29/17	08/15/84	No		Regular	YES
060285F	CARLSBAD, CITY OF	SAN DIEGO COUNTY	05/31/74	06/14/77	12/20/19	06/14/77	No		Regular	YES
060196B	CARMEL BY THE SEA, CITY OF	MONTEREY COUNTY	06/14/74	04/02/09	06/21/17	12/18/97	No		Regular	YES
060332D	CARPINTERIA, CITY OF	SANTA BARBARA COUNTY	06/21/74	03/15/77	09/28/18	03/15/77	No		Regular	YES
060107F	CARSON, CITY OF	LOS ANGELES COUNTY	01/14/77	07/06/98	04/21/21(M)	09/29/78	No		Regular	YES
060704#	CATHEDRAL CITY, CITY OF	RIVERSIDE COUNTY		05/01/85	08/28/08	11/12/82	No		Regular	YES
060385B	CERES, CITY OF	STANISLAUS COUNTY	08/24/74	09/26/08	08/24/21	03/07/97	No		Regular	YES
060108#	CERRITOS, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	09/26/08(M)	02/20/79	No		Regular	YES
060746#	CHICO, CITY OF	BUTTE COUNTY		06/08/98	01/06/11	06/11/97	No		Regular	YES
060754#	CHINO HILLS, CITY OF	SAN BERNARDINO COUNTY		03/18/96	08/28/08	07/11/97	No		Regular	YES
060272#	CHINO, CITY OF	SAN BERNARDINO COUNTY	07/26/74	03/18/96	08/28/08	06/30/76	No		Regular	YES
060171#	CHOWCHILLA, CITY OF	MADERA COUNTY	02/08/74	09/26/08	09/26/08(M)	06/06/19	No		Regular	YES
065021F	CHULA VISTA, CITY OF	SAN DIEGO COUNTY	04/08/77	08/15/83	12/20/19	08/15/83	No		Regular	YES
060765#	CITRUS HEIGHTS, CITY OF	SACRAMENTO COUNTY		08/16/12	08/16/12	10/15/97	No		Regular	YES
060109#	CLAREMONT, CITY OF	LOS ANGELES COUNTY	05/24/74	11/20/00	(NSFHA)	09/07/84	No		Regular	YES
060027C	CLAYTON, CITY OF	CONTRA COSTA COUNTY	05/17/74	12/04/79	03/21/17	12/04/79	No		Regular	YES
060714#	CLEARLAKE, CITY OF	LAKE COUNTY	01/10/75	10/17/78	09/30/05	10/17/78	No	10	Regular	YES
060376#	CLOVERDALE, CITY OF	SONOMA COUNTY	02/22/74	09/27/85	12/02/08	09/27/85	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060044#	CLOVIS, CITY OF	FRESNO COUNTY	08/23/77	03/16/83	02/18/09	03/16/83	No		Regular	YES
060045#	COALINGA, CITY OF	FRESNO COUNTY	03/01/74	06/17/91	02/18/09	08/23/82	No		Regular	YES
060316D	COLMA, TOWN OF	SAN MATEO COUNTY	09/14/73	10/16/12	(NSFHA)	11/01/79	No		Regular	YES
060273E	COLTON, CITY OF	SAN BERNARDINO COUNTY	06/07/74	09/17/80	09/02/16	09/17/80	No		Regular	YES
060022#	COLUSA COUNTY	COLUSA COUNTY	10/25/74	09/18/85	05/15/03	09/18/85	No		Regular	YES
060023#	COLUSA, CITY OF	COLUSA COUNTY	11/16/73	08/03/98	05/15/03	06/30/76	No		Regular	YES
060110#	COMMERCE, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	09/26/08(M)	04/15/79	No		Regular	YES
060111#	COMPTON, CITY OF	LOS ANGELES COUNTY	06/28/74	07/06/98	09/26/08(M)	03/30/79	No		Regular	YES
065022C	CONCORD, CITY OF	CONTRA COSTA COUNTY	06/28/74	07/05/84	03/21/17	07/05/84	No	6	Regular	YES
060025C	CONTRA COSTA COUNTY	CONTRA COSTA COUNTY	11/01/74	07/16/87	03/21/17	07/16/87	No	6	Regular	YES
060663#	CORCORAN, CITY OF	KINGS COUNTY		06/16/09	06/16/09(M)	11/28/97	No		Regular	YES
060398#	CORNING, CITY OF	TEHAMA COUNTY	05/24/74	08/16/82	09/29/11	08/16/82	No		Regular	YES
060250#	CORONA, CITY OF	RIVERSIDE COUNTY	05/24/74	05/15/78	08/28/08	05/15/78	No		Regular	YES
060287F	CORONADO, CITY OF	SAN DIEGO COUNTY	06/28/74	07/15/88	12/20/19	06/01/82	No		Regular	YES
065023D	CORTE MADERA, TOWN OF	MARIN COUNTY	06/28/74	12/15/77	03/16/16	12/15/77	No	6	Regular	YES
060216C	COSTA MESA, CITY OF	ORANGE COUNTY	05/17/74	09/30/82	03/21/19(M)	09/30/82	No		Regular	YES
060377#	COTATI, CITY OF	SONOMA COUNTY	11/22/74	04/15/80	12/02/08	04/15/80	No		Regular	YES
065024#	COVINA, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	(NSFHA)	05/25/78	No		Regular	YES
060039C	CRESCENT CITY, CITY OF	DEL NORTE COUNTY	05/03/74	11/23/82	08/02/17	11/23/82	No		Regular	YES
060657#	CUDAHY, CITY OF	LOS ANGELES COUNTY		09/26/08	09/26/08(M)	12/30/83	No		Regular	YES
060114F	CULVER CITY, CITY OF	LOS ANGELES COUNTY	06/28/74	02/01/80	04/21/21	02/01/80	No		Regular	YES
060339#	CUPERTINO, CITY OF	SANTA CLARA COUNTY	02/15/74	05/01/80	05/18/09	05/01/80	No	7	Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060217#	CYPRESS, CITY OF	ORANGE COUNTY	04/09/76	09/15/89	12/03/09(M)	02/12/79	No		Regular	YES
060317D	DALY CITY, CITY OF	SAN MATEO COUNTY	02/22/74	10/16/12	04/05/19	07/31/79	No		Regular	YES
060736C	DANA POINT, CITY OF	ORANGE COUNTY		09/15/89	03/21/19	09/26/89	No		Regular	YES
060707C	DANVILLE, TOWN OF	CONTRA COSTA COUNTY		09/27/85	03/21/17	09/27/85	No		Regular	YES
060424#	DAVIS, CITY OF	YOLO COUNTY	11/08/77	11/15/79	06/18/10	11/15/79	No		Regular	YES
060288F	DEL MAR, CITY OF	SAN DIEGO COUNTY	02/22/74	08/15/83	12/20/19	08/15/83	No		Regular	YES
065025C	DEL NORTE COUNTY	DEL NORTE COUNTY	12/27/74	01/24/83	08/02/17	01/24/83	No		Regular	YES
060197B	DEL REY OAKS, CITY OF	MONTEREY COUNTY	05/14/76	11/04/81	06/21/17	11/04/81	No		Regular	YES
060078#	DELANO, CITY OF	KERN COUNTY	05/24/74	09/26/08	(NSFHA)	08/23/82	No		Regular	YES
060251#	DESERT HOT SPRINGS, CITY OF	RIVERSIDE COUNTY	05/24/74	04/02/79	08/28/08	04/02/79	No		Regular	YES
060741#	DIAMOND BAR, CITY OF	LOS ANGELES COUNTY		12/02/80	09/26/08	07/31/91	No		Regular	YES
060403#	DINUBA, CITY OF	TULARE COUNTY	06/28/74	11/03/82	06/16/09	11/03/82	No		Regular	YES
060369#	DIXON, CITY OF	SOLANO COUNTY	03/15/74	05/19/81	08/02/12(M)	05/19/81	No		Regular	YES
060443#	DOS PALOS, CITY OF	MERCED COUNTY	06/27/75	08/02/95	(NSFHA)	05/25/78	No		Regular	YES
060645#	DOWNEY, CITY OF	LOS ANGELES COUNTY		07/06/98	09/26/08(M)	09/30/91	No		Regular	YES
065026#	DUARTE, CITY OF	LOS ANGELES COUNTY	07/19/74	09/26/08	(NSFHA)	09/07/84	No		Regular	YES
060705#	DUBLIN, CITY OF	ALAMEDA COUNTY		08/18/83	08/03/09	04/15/81	No		Regular	YES
060363#	DUNSMUIR, CITY OF	SISKIYOU COUNTY	05/24/74	12/04/79	01/19/11	12/04/79	No		Regular	YES
060708D	EAST PALO ALTO, CITY OF	SAN MATEO COUNTY		09/19/84	04/05/19	09/19/84	No	8	Regular	YES
060155#	EASTVALE, CITY OF	RIVERSIDE COUNTY		08/28/08	08/28/08	06/05/13	No		Regular	YES
060289#	EL CAJON, CITY OF	SAN DIEGO COUNTY	03/08/74	09/15/77	05/16/12	09/01/77	No		Regular	YES
060670#	EL CENTRO, CITY OF	IMPERIAL COUNTY	02/01/74	09/26/08	09/26/08(M)	08/04/78	No		Regular	YES
065027C	EL CERRITO, CITY OF	CONTRA COSTA COUNTY	06/28/74	06/01/77	03/21/17	06/01/77	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060040#	EL DORADO COUNTY	EL DORADO COUNTY	08/02/74	10/18/83	04/03/12	04/09/86	No		Regular	YES
060658#	EL MONTE, CITY OF	LOS ANGELES COUNTY		09/26/08	(NSFHA)	06/16/99	No		Regular	YES
060308#	EL PASO DE ROBLES, CITY OF	SAN LUIS OBISPO COUNTY	02/15/74	09/16/81	11/16/12	09/16/81	No		Regular	YES
060118F	EL SEGUNDO, CITY OF	LOS ANGELES COUNTY	10/31/75	09/26/08	04/21/21	05/25/78	No		Regular	YES
060767D	ELK GROVE, CITY OF	SACRAMENTO COUNTY	01/10/75	03/15/79	07/19/18	10/15/01	No		Regular	YES
060005B	EMERYVILLE, CITY OF	ALAMEDA COUNTY	01/16/76	08/03/09	12/21/18	04/21/78	No		Regular	YES
060726F	ENCINITAS, CITY OF	SAN DIEGO COUNTY		07/15/88	12/20/19	07/15/88	No		Regular	YES
060644#	ESCALON, CITY OF	SAN JOAQUIN COUNTY		10/16/09	(NSFHA)	10/16/09	No		Regular	YES
060290F	ESCONDIDO, CITY OF	SAN DIEGO COUNTY	10/26/73	09/15/83	04/05/16	09/15/83	No		Regular	YES
060364#	ETNA, CITY OF	SISKIYOU COUNTY	02/22/74	03/04/80	01/19/11	03/04/80	No		Regular	YES
060062B	EUREKA, CITY OF	HUMBOLDT COUNTY	05/24/74	06/01/82	06/21/17	06/01/82	No		Regular	YES
060404#	EXETER, CITY OF	TULARE COUNTY	03/08/74	06/16/09	(NSFHA)	08/24/81	No		Regular	YES
060175#	FAIRFAX, TOWN OF	MARIN COUNTY	01/05/78	01/05/78	03/17/14	01/05/78	No	9	Regular	YES
060370D	FAIRFIELD, CITY OF	SOLANO COUNTY	10/18/74	07/05/84	08/03/16	07/05/84	No	7	Regular	YES
060405#	FARMERSVILLE, CITY OF	TULARE COUNTY	10/01/76	12/15/83	06/16/09	12/15/83	No		Regular	YES
060445B	FERNDALE, CITY OF	HUMBOLDT COUNTY	12/20/74	12/01/93	11/04/16	12/01/93	No		Regular	YES
060415#	FILLMORE, CITY OF	VENTURA COUNTY	01/18/74	10/17/78	01/20/10	10/17/78	No		Regular	YES
060046#	FIREBAUGH, CITY OF	FRESNO COUNTY	12/06/74	11/20/98	02/18/09	08/23/82	No		Regular	YES
060263D	FOLSOM, CITY OF	SACRAMENTO COUNTY	12/03/76	01/06/82	07/19/18	01/06/82	No		Regular	YES
060274E	FONTANA, CITY OF	SAN BERNARDINO COUNTY	06/21/74	06/04/87	09/02/16	06/04/87	No		Regular	YES
060184C	FORT BRAGG, CITY OF	MENDOCINO COUNTY	05/10/74	12/07/82	07/18/17	12/07/82	No		Regular	YES
060365#	FORT JONES, TOWN OF	SISKIYOU COUNTY	04/05/74	04/15/80	01/19/11	04/15/80	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060743#	FORT MOJAVE INDIAN TRIBE	SAN BERNARDINO COUNTY		03/18/96	08/28/08	03/18/96	Yes		Regular	YES
060063B	FORTUNA, CITY OF	HUMBOLDT COUNTY	02/01/74	05/03/82	11/04/16	05/03/82	No		Regular	YES
060318D	FOSTER CITY, CITY OF	SAN MATEO COUNTY	06/14/74	01/07/77	04/05/19	01/07/77	No		Regular	YES
060218C	FOUNTAIN VALLEY, CITY OF	ORANGE COUNTY	03/29/74	11/17/82	03/21/19(M)	11/17/82	No	9	Regular	YES
060047#	FOWLER, CITY OF	FRESNO COUNTY	05/03/74	09/24/84	02/18/09	09/24/84	No		Regular	YES
065028#	FREMONT, CITY OF	ALAMEDA COUNTY	06/21/77	05/02/83	08/03/09	05/02/83	No	7	Regular	YES
065029#	FRESNO COUNTY	FRESNO COUNTY	12/23/71	12/01/82	01/20/16	12/01/82	No	7	Regular	YES
060048#	FRESNO, CITY OF	FRESNO COUNTY	10/18/74	12/01/82	02/18/09	12/01/82	No	8	Regular	YES
060219#	FULLERTON, CITY OF	ORANGE COUNTY	06/28/74	07/05/77	12/03/09	07/05/77	No		Regular	YES
060264D	GALT, CITY OF	SACRAMENTO COUNTY	05/17/74	12/01/81	10/20/16	12/01/81	No		Regular	YES
060220#	GARDEN GROVE, CITY OF	ORANGE COUNTY	06/14/74	09/30/82	12/03/09(M)	09/30/82	No		Regular	YES
060119#	GARDENA, CITY OF	LOS ANGELES COUNTY	12/05/75	07/06/98	09/26/08(M)	04/21/78	No		Regular	YES
060340#	GILROY, CITY OF	SANTA CLARA COUNTY	05/31/74	08/01/80	05/18/09	08/01/80	No	8	Regular	YES
065030#	GLENDALE, CITY OF	LOS ANGELES COUNTY	03/10/72	09/26/08	(NSFHA)	08/31/84	No		Regular	YES
065031#	GLENDORA, CITY OF	LOS ANGELES COUNTY	04/20/72	09/26/08	(NSFHA)	11/18/75	No		Regular	YES
060057#	GLENN COUNTY	GLENN COUNTY	09/13/77	09/03/80	08/05/10	09/03/80	No		Regular	YES
060771D	GOLETA, CITY OF	SANTA BARBARA COUNTY	12/20/74	03/15/79	09/28/18	06/02/04	No		Regular	YES
060198#	GONZALES, CITY OF	MONTEREY COUNTY	05/24/74	11/18/81	04/02/09	11/18/81	No		Regular	YES
060737E	GRAND TERRACE, CITY OF	SAN BERNARDINO COUNTY		03/18/96	09/02/16	01/15/16	No		Regular	YES
060211#	GRASS VALLEY, CITY OF	NEVADA COUNTY	05/17/74	09/30/82	02/03/10	09/30/82	No		Regular	YES
060446#	GREENFIELD, CITY OF	MONTEREY COUNTY	08/06/76	04/02/09	04/02/09	08/23/82	No		Regular	YES
060019#	GRIDLEY, CITY OF	BUTTE COUNTY	05/24/74	06/08/98	01/06/11(M)	04/25/97	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060306C	GROVER BEACH, CITY OF	SAN LUIS OBISPO COUNTY	06/21/74	08/01/84	05/16/17	08/01/84	No		Regular	YES
060333#	GUADALUPE, CITY OF	SANTA BARBARA COUNTY	05/17/74	09/30/05	09/30/05	04/30/82	No		Regular	YES
060319D	HALF MOON BAY, CITY OF	SAN MATEO COUNTY	03/01/74	06/03/86	08/02/17	08/08/79	No		Regular	YES
060088#	HANFORD, CITY OF	KINGS COUNTY	06/07/74	03/18/87	06/16/09(M)	03/18/87	No		Regular	YES
065032#	HAWAIIAN GARDENS, CITY OF	LOS ANGELES COUNTY	09/25/70	09/26/08	(NSFHA)	09/01/76	No		Regular	YES
060123F	HAWTHORNE, CITY OF	LOS ANGELES COUNTY	12/04/79	12/04/79	(NSFHA)	08/13/79	No		Regular	YES
065033B	HAYWARD, CITY OF	ALAMEDA COUNTY	02/14/75	09/16/81	12/21/18	09/16/81	No		Regular	YES
060378#	HEALDSBURG, CITY OF	SONOMA COUNTY	03/01/74	03/04/80	12/02/08	03/04/80	No		Regular	YES
060253E	HEMET, CITY OF	RIVERSIDE COUNTY	05/24/74	09/29/78	04/19/17	09/29/78	No		Regular	YES
060434C	HERCULES, CITY OF	CONTRA COSTA COUNTY	03/26/76	09/30/82	03/21/17	09/30/82	No		Regular	YES
060124F	HERMOSA BEACH, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	04/21/21	08/23/82	No		Regular	YES
060733E	HESPERIA, CITY OF	SAN BERNARDINO COUNTY		09/29/89	09/02/16	10/19/89	No		Regular	YES
060125#	HIDDEN HILLS, CITY OF	LOS ANGELES COUNTY	04/23/76	09/07/84	(NSFHA)	09/07/84	No		Regular	YES
060732E	HIGHLAND, CITY OF	SAN BERNARDINO COUNTY		09/29/89	09/02/16	10/19/89	No		Regular	YES
060320D	HILLSBOROUGH, TOWN OF	SAN MATEO COUNTY	05/31/74	10/06/99	04/05/19	09/01/81	No		Regular	YES
060268#	HOLLISTER, CITY OF	SAN BENITO COUNTY	06/14/74	06/19/85	04/16/09	06/19/85	No		Regular	YES
060070#	HOLTVILLE, CITY OF	IMPERIAL COUNTY	04/05/74	01/20/82	09/26/08	01/20/82	No		Regular	YES
060386B	HUGHSON, CITY OF	STANISLAUS COUNTY	05/24/74	09/26/08	08/24/21(M)	04/21/20	No		Regular	YES
060060B	HUMBOLDT COUNTY	HUMBOLDT COUNTY	09/13/77	07/19/82	06/21/17	07/19/82	No		Regular	YES
065034C	HUNTINGTON BEACH, CITY OF	ORANGE COUNTY	08/09/74	02/16/83	03/21/19	02/16/83	No	7	Regular	YES
060049#	HURON, CITY OF	FRESNO COUNTY	05/17/74	07/19/01	02/18/09	09/01/81	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060291F	IMPERIAL BEACH, CITY OF	SAN DIEGO COUNTY	04/05/74	06/01/78	12/20/19	06/01/78	No		Regular	YES
060065B	IMPERIAL COUNTY	IMPERIAL COUNTY	11/01/74	03/15/84	03/22/22	03/15/84	No		Regular	YES
060071#	IMPERIAL, CITY OF	IMPERIAL COUNTY	02/01/74	09/26/08	(NSFHA)	06/30/76	No		Regular	YES
060254E	INDIAN WELLS, CITY OF	RIVERSIDE COUNTY	06/28/74	09/14/79	04/19/17	09/14/79	No		Regular	YES
060255E	INDIO, CITY OF	RIVERSIDE COUNTY	05/31/74	09/14/79	03/06/18	09/14/79	No		Regular	YES
065035#	INDUSTRY, CITY OF	LOS ANGELES COUNTY	06/16/72	09/26/08	(NSFHA)	09/07/84	No		Regular	YES
065036F	INGLEWOOD, CITY OF	LOS ANGELES COUNTY	10/17/72	09/26/08	(NSFHA)	02/20/79	No		Regular	YES
060073B	INYO COUNTY	INYO COUNTY	01/10/75	09/04/85	12/03/20	09/04/85	No		Regular	YES
060016#	IONE, CITY OF	AMADOR COUNTY	05/24/74	07/08/80	01/20/16	07/08/80	No		Regular	YES
060222C	IRVINE, CITY OF	ORANGE COUNTY	06/21/74	02/15/80	03/21/19	02/15/80	No	9	Regular	YES
060129#	IRWINDALE, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	(NSFHA)	02/12/79	No		Regular	YES
060265#	ISLETON, CITY OF	SACRAMENTO COUNTY	01/04/74	12/01/78	08/16/12	12/01/78	No		Regular	YES
060448#	JACKSON, CITY OF	AMADOR COUNTY	06/25/76	08/19/85	05/20/10	08/19/85	No		Regular	YES
060286#	JURUPA VALLEY, CITY OF	RIVERSIDE COUNTY		08/18/14	08/18/14	09/23/13	No		Regular	YES
060075B	KERN COUNTY	KERN COUNTY	06/20/78	09/29/86	10/21/21	09/29/86	No	9	Regular	YES
060199#	KING CITY, CITY OF	MONTEREY COUNTY	09/02/70	10/15/81	04/02/09	10/15/81	No		Regular	YES
060086B	KINGS COUNTY	KINGS COUNTY	08/23/74	08/04/88	09/16/15	08/04/88	No		Regular	YES
060050#	KINGSBURG, CITY OF	FRESNO COUNTY	05/24/74	07/19/01	(NSFHA)	11/30/83	No		Regular	YES
060669#	LA CANADA FLINTRIDGE, CITY OF	LOS ANGELES COUNTY		09/26/08	(NSFHA)	09/07/84	No		Regular	YES
060701#	LA HABRA HEIGHTS, CITY OF	LOS ANGELES COUNTY		09/26/08	(NSFHA)	09/07/84	No		Regular	YES
060224#	LA HABRA, CITY OF	ORANGE COUNTY	05/03/74	02/15/80	12/03/09	02/15/80	No		Regular	YES
060292#	LA MESA, CITY OF	SAN DIEGO COUNTY	03/08/74	03/14/78	05/16/12	06/26/76	No		Regular	YES
060131#	LA MIRADA, CITY OF	LOS ANGELES COUNTY	06/28/74	07/02/80	09/26/08	07/02/80	No		Regular	YES
060225#	LA PALMA, CITY OF	ORANGE COUNTY	04/09/76	07/21/78	(NSFHA)	07/21/78	No		Regular	YES
065039#	LA PUENTE, CITY OF	LOS ANGELES COUNTY	10/03/75	09/26/08	(NSFHA)	05/25/78	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060709E	LA QUINTA, CITY OF	RIVERSIDE COUNTY		06/19/85	03/06/18	07/01/85	No		Regular	YES
060133#	LA VERNE, CITY OF	LOS ANGELES COUNTY	06/14/74	09/26/08	(NSFHA)	09/07/84	No		Regular	YES
065037C	LAFAYETTE, CITY OF	CONTRA COSTA COUNTY	07/26/74	03/16/81	03/21/17	03/16/81	No		Regular	YES
060223C	LAGUNA BEACH, CITY OF	ORANGE COUNTY	06/21/74	09/28/79	03/21/19	09/28/79	No		Regular	YES
060760#	LAGUNA HILLS, CITY OF	ORANGE COUNTY		02/18/04	12/03/09	10/31/97	No		Regular	YES
060764C	LAGUNA NIGUEL, CITY OF	ORANGE COUNTY		02/18/04	03/21/19	10/09/97	No		Regular	YES
060768#	LAGUNA WOODS, CITY OF	ORANGE COUNTY		02/18/04	12/03/09	06/25/04	No		Regular	YES
060090#	LAKE COUNTY	LAKE COUNTY	01/10/75	10/17/78	09/30/05	10/17/78	No	7	Regular	YES
060636E	LAKE ELSINORE, CITY OF	RIVERSIDE COUNTY	06/28/74	09/17/80	04/19/17	09/17/80	No	8	Regular	YES
060759#	LAKE FOREST, CITY OF	ORANGE COUNTY		02/18/04	12/03/09	09/15/94	No		Regular	YES
065038#	LAKEPORT, CITY OF	LAKE COUNTY	11/19/76	09/01/78	09/30/05	09/01/78	No		Regular	YES
060130#	LAKEWOOD, CITY OF	LOS ANGELES COUNTY	07/19/74	07/06/98	09/26/08(M)	04/15/79	No		Regular	YES
060672#	LANCASTER, CITY OF	LOS ANGELES COUNTY	09/11/79	01/06/82	09/26/08	01/06/82	No		Regular	YES
065040D	LARKSPUR, CITY OF	MARIN COUNTY	06/14/74	03/15/84	03/16/16	03/15/84	No		Regular	YES
060092#	LASSEN COUNTY	LASSEN COUNTY	02/28/78	09/04/87	09/03/10	09/04/87	No		Regular	YES
060738#	LATHROP, CITY OF	SAN JOAQUIN COUNTY		12/16/05	10/16/09	01/28/91	No	8	Regular	YES
060134#	LAWNDALE, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	(NSFHA)	10/30/78	No		Regular	YES
060723#	LEMON GROVE, CITY OF	SAN DIEGO COUNTY		03/16/88	05/16/12	11/14/97	No		Regular	YES
060089B	LEMOORE, CITY OF	KINGS COUNTY	02/06/76	04/03/87	09/16/15	04/03/87	No		Regular	YES
060241A	LINCOLN, CITY OF	PLACER COUNTY	05/24/74	02/03/82	11/02/18	02/03/82	No		Regular	YES
060406#	LINDSAY, CITY OF	TULARE COUNTY	03/01/74	09/28/84	06/16/09	09/28/84	No		Regular	YES
060395#	LIVE OAK, CITY OF	SUTTER COUNTY	06/07/74	03/23/84	03/23/84(M)	03/23/84	No	10	Regular	YES
060008#	LIVERMORE, CITY OF	ALAMEDA COUNTY	08/13/76	07/05/77	08/03/09	07/05/77	No	6	Regular	YES
060450#	LIVINGSTON, CITY OF	MERCED COUNTY	10/29/76	08/02/95	12/02/08(M)	05/25/78	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060300#	LODI, CITY OF	SAN JOAQUIN COUNTY	04/05/74	03/01/78	10/16/09	03/01/78	No		Regular	YES
065042E	LOMA LINDA, CITY OF	SAN BERNARDINO COUNTY	03/02/73	07/16/87	09/02/16	07/16/87	No		Regular	YES
060135F	LOMITA, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	(NSFHA)	06/03/78	No		Regular	YES
060334#	LOMPOC, CITY OF	SANTA BARBARA COUNTY	01/23/74	12/18/84	12/04/12	12/18/84	No		Regular	YES
060136F	LONG BEACH, CITY OF	LOS ANGELES COUNTY	07/26/74	09/15/83	04/21/21	09/15/83	No	8	Regular	YES
060721A	LOOMIS, TOWN OF	PLACER COUNTY		09/30/87	11/02/18	12/29/86	No		Regular	YES
060226#	LOS ALAMITOS, CITY OF	ORANGE COUNTY	01/16/76	09/15/89	12/03/09(M)	03/16/79	No		Regular	YES
060342#	LOS ALTOS HILLS, TOWN OF	SANTA CLARA COUNTY	05/24/74	01/02/80	05/18/09	01/02/80	No		Regular	YES
060341#	LOS ALTOS, CITY OF	SANTA CLARA COUNTY	06/07/74	07/16/80	05/18/09	07/16/80	No	8	Regular	YES
065043F	LOS ANGELES COUNTY	LOS ANGELES COUNTY	10/24/78	12/02/80	06/02/21	12/02/80	No	6	Regular	YES
060137F	LOS ANGELES, CITY OF	LOS ANGELES COUNTY	12/13/77	12/02/80	06/02/21	12/02/80	No	7	Regular	YES
060747#	LOS BANOS, CITY OF	MERCED COUNTY		08/02/95	(NSFHA)	02/03/98	No		Regular	YES
060343#	LOS GATOS, TOWN OF	SANTA CLARA COUNTY	02/27/76	01/17/79	02/19/14	01/17/79	No		Regular	YES
060361#	LOYALTON, CITY OF	SIERRA COUNTY	06/04/76	09/01/88	02/02/12	11/10/93	No		Regular	YES
060635#	LYNWOOD, CITY OF	LOS ANGELES COUNTY	06/28/74	04/15/80	09/26/08	04/15/80	No		Regular	YES
060170#	MADERA COUNTY	MADERA COUNTY	11/15/77	08/04/87	09/26/08	08/04/87	No		Regular	YES
060172#	MADERA, CITY OF	MADERA COUNTY	07/19/74	06/04/87	09/26/08	06/04/87	No		Regular	YES
060745F	MALIBU, CITY OF	LOS ANGELES COUNTY		09/26/08	04/21/21	10/01/92	No		Regular	YES
060724#	MAMMOTH LAKES, TOWN OF	MONO COUNTY		09/30/87	02/18/11	08/02/94	No		Regular	YES
060138F	MANHATTAN BEACH, CITY OF	LOS ANGELES COUNTY	08/06/76	09/26/08	04/21/21	05/08/78	No		Regular	YES
060706#	MANTECA, CITY OF	SAN JOAQUIN COUNTY		12/16/05	10/16/09	07/16/84	No	10	Regular	YES
060079#	MARICOPA, CITY OF	KERN COUNTY	06/14/74	09/24/84	09/26/08(M)	09/24/84	No		Regular	YES
060173D	MARIN COUNTY	MARIN COUNTY	02/25/77	03/01/82	08/15/17	03/01/82	No	6	Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060727B	MARINA, CITY OF	MONTEREY COUNTY		02/17/88	06/21/17	09/26/88	No		Regular	YES
065044C	MARTINEZ, CITY OF	CONTRA COSTA COUNTY	06/28/74	03/15/78	03/21/17	03/15/78	No		Regular	YES
060428#	MARYSVILLE, CITY OF	YUBA COUNTY	11/02/73	01/19/78	02/18/11	01/19/78	No		Regular	YES
060651#	MAYWOOD, CITY OF	LOS ANGELES COUNTY		09/26/08	(NSFHA)	04/30/82	No		Regular	YES
060080#	MCFARLAND, CITY OF	KERN COUNTY	06/28/74	09/29/86	09/26/08	09/29/86	No		Regular	YES
060183C	MENDOCINO COUNTY	MENDOCINO COUNTY	01/03/74	06/01/83	09/01/22	06/01/83	No		Regular	YES
060051#	MENDOTA, CITY OF	FRESNO COUNTY	12/19/75	09/27/91	02/18/09	09/01/81	No		Regular	YES
060176E	MENIFEE, CITY OF	RIVERSIDE COUNTY		08/28/08	04/19/17	05/03/12	No		Regular	YES
060321D	MENLO PARK, CITY OF	SAN MATEO COUNTY	06/14/74	02/04/81	04/05/19	02/04/81	No	8	Regular	YES
060188#	MERCED COUNTY	MERCED COUNTY	08/23/74	01/03/79	12/02/08	01/03/79	No		Regular	YES
060191#	MERCED, CITY OF	MERCED COUNTY	07/19/74	07/16/79	12/02/08	07/16/79	No		Regular	YES
060177D	MILL VALLEY, CITY OF	MARIN COUNTY	06/07/74	01/03/79	08/15/17	01/03/79	No		Regular	YES
065045D	MILLBRAE, CITY OF	SAN MATEO COUNTY	07/19/74	09/30/81	04/05/19	09/30/81	No		Regular	YES
060344#	MILPITAS, CITY OF	SANTA CLARA COUNTY	03/22/74	07/16/80	02/19/14	07/16/80	No	7	Regular	YES
060735#	MISSION VIEJO, CITY OF	ORANGE COUNTY		09/15/89	12/03/09	09/26/89	No	7	Regular	YES
060387B	MODESTO, CITY OF	STANISLAUS COUNTY	07/19/74	08/15/80	08/24/21	08/15/80	No		Regular	YES
060192B	MODOC COUNTY	MODOC COUNTY	01/24/75	09/24/84	12/02/15	09/24/84	No		Regular	YES
060194#	MONO COUNTY	MONO COUNTY	08/16/74	08/19/85	12/18/12	08/19/85	No		Regular	YES
065046#	MONROVIA, CITY OF	LOS ANGELES COUNTY	04/23/76	09/26/08	(NSFHA)	09/07/84	No		Regular	YES
060451#	MONTAGUE, CITY OF	SISKIYOU COUNTY	03/26/76	09/17/80	01/19/11	06/27/83	No		Regular	YES
060276#	MONTCLAIR, CITY OF	SAN BERNARDINO COUNTY	04/08/74	03/18/96	08/28/08	08/23/82	No		Regular	YES
060345#	MONTE SERENO, CITY OF	SANTA CLARA COUNTY	03/07/75	05/18/09	02/19/14	01/03/79	No		Regular	YES
060141#	MONTEBELLO, CITY OF	LOS ANGELES COUNTY	06/28/74	03/18/80	(NSFHA)	03/18/80	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060195B	MONTEREY COUNTY	MONTEREY COUNTY	02/21/78	01/30/84	06/21/17	01/30/84	No	5	Regular	YES
065047#	MONTEREY PARK, CITY OF	LOS ANGELES COUNTY	04/20/72	09/26/08	(NSFHA)	11/30/79	No		Regular	YES
060200B	MONTEREY, CITY OF	MONTEREY COUNTY	10/18/74	07/02/81	06/21/17	07/02/81	No		Regular	YES
060712#	MOORPARK, CITY OF	VENTURA COUNTY		09/29/86	01/20/10	09/29/86	No		Regular	YES
060637#	MORAGA, TOWN OF	CONTRA COSTA COUNTY	11/19/76	05/19/81	06/16/09	05/19/81	No		Regular	YES
065074#	MORENO VALLEY, CITY OF	RIVERSIDE COUNTY		06/18/87	08/18/14	06/18/87	No	8	Regular	YES
060346#	MORGAN HILL, CITY OF	SANTA CLARA COUNTY	05/31/74	06/18/80	05/18/09	06/18/80	No	7	Regular	YES
060307C	MORRO BAY, CITY OF	SAN LUIS OBISPO COUNTY	05/31/74	12/18/79	05/16/17	12/18/79	No	7	Regular	YES
060347#	MOUNTAIN VIEW, CITY OF	SANTA CLARA COUNTY	06/14/74	08/15/80	05/18/09	08/15/80	No	7	Regular	YES
060751#	MURRIETA, CITY OF	RIVERSIDE COUNTY		04/15/80	08/28/08	06/09/93	No	9	Regular	YES
060205C	NAPA COUNTY	NAPA COUNTY	01/29/71	02/01/80	08/03/16	02/01/80	No	7	Regular	YES
060207C	NAPA, CITY OF	NAPA COUNTY	03/22/74	09/05/79	08/03/16	09/05/79	No	7	Regular	YES
060293F	NATIONAL CITY, CITY OF	SAN DIEGO COUNTY	03/22/74	02/15/79	12/20/19	02/15/79	No		Regular	YES
060277E	NEEDLES, CITY OF	SAN BERNARDINO COUNTY	06/14/74	07/16/79	09/02/16	07/16/79	No		Regular	YES
060453#	NEVADA CITY, CITY OF	NEVADA COUNTY		02/03/10	02/03/10(M)	02/03/10	No		Regular	YES
060210#	NEVADA COUNTY	NEVADA COUNTY	09/06/77	01/19/83	02/03/10	01/19/83	No		Regular	YES
060009#	NEWARK, CITY OF	ALAMEDA COUNTY	02/22/74	12/01/78	08/03/09	12/01/78	No		Regular	YES
060388B	NEWMAN, CITY OF	STANISLAUS COUNTY	02/07/75	09/29/78	08/24/21	09/29/78	No	9	Regular	YES
060227C	NEWPORT BEACH, CITY OF	ORANGE COUNTY	03/15/74	09/01/78	03/21/19	09/01/78	No	7	Regular	YES
060256#	NORCO, CITY OF	RIVERSIDE COUNTY	05/17/74	02/15/79	08/28/08	02/15/79	No		Regular	YES
060652#	NORWALK, CITY OF	LOS ANGELES COUNTY		09/26/08	09/26/08(M)	02/19/79	No		Regular	YES
060178D	NOVATO, CITY OF	MARIN COUNTY	06/28/74	01/19/78	03/16/16	01/19/78	No	6	Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060389#	OAKDALE, CITY OF	STANISLAUS COUNTY	06/07/74	09/05/79	09/26/08	09/05/79	No		Regular	YES
065048B	OAKLAND, CITY OF	ALAMEDA COUNTY	01/03/75	09/30/82	12/21/18	09/30/82	No		Regular	YES
060766C	OAKLEY, CITY OF	CONTRA COSTA COUNTY	11/01/74	07/16/87	03/21/17	10/30/00	No		Regular	YES
060294F	OCEANSIDE, CITY OF	SAN DIEGO COUNTY	05/10/74	09/05/84	12/20/19	09/05/84	No	8	Regular	YES
060416E	OJAI, CITY OF	VENTURA COUNTY	05/03/74	10/17/78	01/29/21	10/17/78	No		Regular	YES
060278E	ONTARIO, CITY OF	SAN BERNARDINO COUNTY	08/09/74	12/02/80	09/02/16	12/02/80	No		Regular	YES
060212C	ORANGE COUNTY	ORANGE COUNTY	01/10/75	09/14/79	03/21/19	09/14/79	No	5	Regular	YES
060052#	ORANGE COVE, CITY OF	FRESNO COUNTY	05/10/74	09/30/83	02/18/09	09/30/83	No		Regular	YES
060228#	ORANGE, CITY OF	ORANGE COUNTY	03/28/78	09/30/82	12/03/09	05/01/87	No	9	Regular	YES
060722#	ORINDA, CITY OF	CONTRA COSTA COUNTY		01/06/88	06/16/09	02/10/88	No		Regular	YES
060650#	ORLAND, CITY OF	GLENN COUNTY		08/05/10	08/05/10	09/16/11	No		Regular	YES
060020#	OROVILLE, CITY OF	BUTTE COUNTY	06/07/74	09/24/84	01/06/11	09/24/84	No		Regular	YES
060417E	OXNARD, CITY OF	VENTURA COUNTY	08/09/74	03/01/79	01/29/21	03/01/79	No	7	Regular	YES
060201B	PACIFIC GROVE, CITY OF	MONTEREY COUNTY	06/14/74	04/02/09	06/21/17	01/12/98	No		Regular	YES
060323D	PACIFICA, CITY OF	SAN MATEO COUNTY	06/28/74	02/04/81	04/05/19	02/04/81	No	7	Regular	YES
060629E	PALM DESERT, CITY OF	RIVERSIDE COUNTY	06/14/77	04/15/80	04/19/17	04/15/80	No		Regular	YES
060257E	PALM SPRINGS, CITY OF	RIVERSIDE COUNTY	06/21/74	03/02/83	04/19/17	03/02/83	No	6	Regular	YES
060144F	PALMDALE, CITY OF	LOS ANGELES COUNTY	10/18/74	01/06/82	06/02/21	01/06/82	No		Regular	YES
060348#	PALO ALTO, CITY OF	SANTA CLARA COUNTY	06/28/74	02/15/80	05/18/09	02/15/80	No	6	Regular	YES
060145F	PALOS VERDES ESTATES, CITY OF	LOS ANGELES COUNTY	09/07/84	11/21/01	04/21/21	09/07/84	No		Regular	YES
060748#	PARADISE, TOWN OF	BUTTE COUNTY		06/08/98	(NSFHA)	06/08/98	No		Regular	YES
065049#	PARAMOUNT, CITY OF	LOS ANGELES COUNTY	03/31/72	07/06/98	(NSFHA)	02/20/79	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060454#	PARLIER, CITY OF	FRESNO COUNTY	01/24/75	07/20/84	02/18/09	07/20/84	No		Regular	YES
065050#	PASADENA, CITY OF	LOS ANGELES COUNTY	05/02/72	09/26/08	(NSFHA)	09/07/84	No		Regular	YES
060390B	PATTERSON, CITY OF	STANISLAUS COUNTY	05/03/74	08/01/79	08/24/21	08/01/79	No	8	Regular	YES
060258#	PERRIS, CITY OF	RIVERSIDE COUNTY	09/06/74	04/16/79	08/18/14	04/16/79	No		Regular	YES
060379F	PETALUMA, CITY OF	SONOMA COUNTY	03/08/74	02/15/80	10/02/15	02/15/80	No	6	Regular	YES
060148#	PICO RIVERA, CITY OF	LOS ANGELES COUNTY	06/28/74	07/06/98	(NSFHA)	04/15/79	No		Regular	YES
060011#	PIEDMONT, CITY OF	ALAMEDA COUNTY	06/28/74	08/03/09	(NSFHA)	11/15/79	No		Regular	YES
060032C	PINOLE, CITY OF	CONTRA COSTA COUNTY	05/24/74	08/15/80	03/21/17	08/15/80	No		Regular	YES
060309C	PISMO BEACH, CITY OF	SAN LUIS OBISPO COUNTY	03/26/76	08/01/84	05/16/17	08/01/84	No		Regular	YES
060033C	PITTSBURG, CITY OF	CONTRA COSTA COUNTY	06/21/74	08/15/80	03/21/17	08/15/80	No		Regular	YES
060229#	PLACENTIA, CITY OF	ORANGE COUNTY	06/14/74	02/15/80	12/03/09	02/15/80	No		Regular	YES
060239A	PLACER COUNTY	PLACER COUNTY	07/12/77	04/18/83	11/02/18	04/18/83	No	5	Regular	YES
060041#	PLACERVILLE, CITY OF	EL DORADO COUNTY	06/07/74	09/30/83	09/26/08	09/30/83	No		Regular	YES
060034C	PLEASANT HILL, CITY OF	CONTRA COSTA COUNTY	05/24/74	09/30/83	03/21/17	09/30/83	No	9	Regular	YES
060012#	PLEASANTON, CITY OF	ALAMEDA COUNTY	06/28/74	12/16/80	08/03/09	12/16/80	No	7	Regular	YES
060244#	PLUMAS COUNTY	PLUMAS COUNTY	12/20/74	09/24/84	03/02/05	09/24/84	No		Regular	YES
060455#	PLYMOUTH, CITY OF	AMADOR COUNTY	11/19/76	12/01/90	05/20/10	12/01/90	No		Regular	YES
060185C	POINT ARENA, CITY OF	MENDOCINO COUNTY	10/18/74	08/03/84	07/18/17	08/03/84	No		Regular	YES
060149#	POMONA, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	(NSFHA)	09/07/84	No		Regular	YES
065051E	PORT HUENEME, CITY OF	VENTURA COUNTY	06/28/74	09/24/84	01/29/21(M)	09/24/84	No		Regular	YES
060407#	PORTERVILLE, CITY OF	TULARE COUNTY	04/12/74	07/18/83	06/16/09	07/18/83	No		Regular	YES
065052#	PORTOLA VALLEY, TOWN OF	SAN MATEO COUNTY	06/21/74	10/17/78	10/16/12	10/17/78	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060456#	PORTOLA, CITY OF	PLUMAS COUNTY	02/07/75	07/18/85	03/02/05	07/18/85	No		Regular	YES
060702#	POWAY, CITY OF	SAN DIEGO COUNTY	11/30/82	08/19/85	05/16/12	08/19/85	No	8	Regular	YES
060772D	RANCHO CORDOVA, CITY OF	SACRAMENTO COUNTY		08/16/12	07/19/18	09/15/04	No		Regular	YES
060671E	RANCHO CUCAMONGA, CITY OF	SAN BERNARDINO COUNTY		09/05/84	09/02/16	09/05/84	No		Regular	YES
060259E	RANCHO MIRAGE, CITY OF	RIVERSIDE COUNTY		09/14/79	04/19/17	09/14/79	No		Regular	YES
060464F	RANCHO PALOS VERDES, CITY OF	LOS ANGELES COUNTY	01/28/77	09/26/08	04/21/21	09/07/84	No		Regular	YES
060769#	RANCHO SANTA MARGARITA, CITY OF	ORANGE COUNTY	01/10/75	09/14/79	12/03/09	01/04/02	No		Regular	YES
065053#	RED BLUFF, CITY OF	TEHAMA COUNTY	06/07/74	02/04/87	09/29/11	05/17/82	No		Regular	YES
060360#	REDDING, CITY OF	SHASTA COUNTY	12/20/74	07/03/85	03/17/11	07/03/85	No	7	Regular	YES
060279E	REDLANDS, CITY OF	SAN BERNARDINO COUNTY	11/21/75	01/03/79	09/02/16	01/03/79	No	8	Regular	YES
060150F	REDONDO BEACH, CITY OF	LOS ANGELES COUNTY	06/28/74	09/15/83	04/21/21	09/15/83	No		Regular	YES
060325D	REDWOOD CITY, CITY OF	SAN MATEO COUNTY	06/28/74	05/17/82	04/05/19	05/17/82	No		Regular	YES
060053#	REEDLEY, CITY OF	FRESNO COUNTY	03/01/74	09/30/82	02/18/09	09/30/82	No		Regular	YES
060280E	RIALTO, CITY OF	SAN BERNARDINO COUNTY	06/07/74	03/18/96	09/02/16	02/12/79	No		Regular	YES
060035C	RICHMOND, CITY OF	CONTRA COSTA COUNTY	06/28/74	03/01/79	(NSFHA)	03/01/79	No	10	Regular	YES
060081#	RIDGECREST, CITY OF	KERN COUNTY	09/06/74	01/06/82	09/26/08	01/06/82	No		Regular	YES
060064B	RIO DELL, CITY OF	HUMBOLDT COUNTY	05/24/74	05/03/82	11/04/16	05/03/82	No		Regular	YES
060371#	RIO VISTA, CITY OF	SOLANO COUNTY	05/17/74	05/19/81	05/04/09	05/19/81	No		Regular	YES
060457#	RIPON, CITY OF	SAN JOAQUIN COUNTY	01/03/75	09/24/84	10/16/09	09/24/84	No		Regular	YES
060391#	RIVERBANK, CITY OF	STANISLAUS COUNTY	05/10/74	09/30/04	09/26/08	02/03/97	No		Regular	YES
060245E	RIVERSIDE COUNTY	RIVERSIDE COUNTY		04/15/80	03/22/22	04/15/80	No	6	Regular	YES
060260#	RIVERSIDE, CITY OF	RIVERSIDE COUNTY	07/19/74	01/06/83	08/28/08	01/06/83	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060242A	ROCKLIN, CITY OF	PLACER COUNTY	07/19/74	05/15/84	11/02/18	05/15/84	No		Regular	YES
060380F	ROHNERT PARK, CITY OF	SONOMA COUNTY	11/29/74	06/01/81	07/19/22	06/01/81	No		Regular	YES
065054F	ROLLING HILLS ESTATES, CITY OF	LOS ANGELES COUNTY	07/13/73	09/26/08	(NSFHA)	11/30/79	No		Regular	YES
060151F	ROLLING HILLS, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	(NSFHA)	05/26/78	No		Regular	YES
060153#	ROSEMEAD, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	(NSFHA)	04/15/79	No		Regular	YES
060243A	ROSEVILLE, CITY OF	PLACER COUNTY	08/02/74	12/15/83	11/02/18	12/15/83	No	1	Regular	YES
060179D	ROSS, TOWN OF	MARIN COUNTY	03/29/74	02/04/81	03/16/16	02/04/81	No	8	Regular	YES
060262D	SACRAMENTO COUNTY	SACRAMENTO COUNTY	01/10/75	03/15/79	07/19/18	03/15/79	No	2	Regular	YES
060266D	SACRAMENTO, CITY OF	SACRAMENTO COUNTY	01/10/75	09/15/78	06/16/15	09/15/78	No	3	Regular	YES
060202#	SALINAS, CITY OF	MONTEREY COUNTY	03/15/74	11/04/81	04/02/09	11/04/81	No	7	Regular	YES
060180D	SAN ANSELMO, TOWN OF	MARIN COUNTY	03/01/74	12/01/77	03/16/16	12/01/77	No	8	Regular	YES
060267#	SAN BENITO COUNTY	SAN BENITO COUNTY	08/02/77	09/27/91	04/16/09	09/27/91	No		Regular	YES
060270E	SAN BERNARDINO COUNTY	SAN BERNARDINO COUNTY		09/29/78	09/02/16	09/29/78	No		Regular	YES
060281E	SAN BERNARDINO, CITY OF	SAN BERNARDINO COUNTY	06/28/74	07/16/79	09/02/16	07/16/79	No		Regular	YES
060326D	SAN BRUNO, CITY OF	SAN MATEO COUNTY	06/07/74	10/16/12	04/05/19	03/30/81	No		Regular	YES
060419E	SAN BUENAVENTURA, CITY OF	VENTURA COUNTY	05/31/74	09/29/86	01/29/21	09/29/86	No		Regular	YES
060327D	SAN CARLOS, CITY OF	SAN MATEO COUNTY	06/28/74	09/01/77	04/05/19	09/15/77	No	9	Regular	YES
060230C	SAN CLEMENTE, CITY OF	ORANGE COUNTY	06/14/74	12/04/79	03/21/19	12/04/79	No		Regular	YES
060284F	SAN DIEGO COUNTY	SAN DIEGO COUNTY	07/19/77	06/15/84	03/22/22	06/15/84	No	7	Regular	YES
060295F	SAN DIEGO, CITY OF	SAN DIEGO COUNTY	02/28/78	08/15/83	12/20/19	08/15/83	No		Regular	YES
060154#	SAN DIMAS, CITY OF	LOS ANGELES COUNTY	06/21/74	04/01/77	09/26/08	04/01/77	No		Regular	YES
060628#	SAN FERNANDO, CITY OF	LOS ANGELES COUNTY		02/11/76	(NSFHA)	02/11/76	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060298A	SAN FRANCISCO, CITY AND COUNTY OF	SAN FRANCISCO COUNTY	07/26/74	07/05/84	03/23/21	04/01/10	No		Regular	YES
065055#	SAN GABRIEL, CITY OF	LOS ANGELES COUNTY		09/26/08	(NSFHA)	11/23/73	No		Regular	YES
065056E	SAN JACINTO, CITY OF	RIVERSIDE COUNTY		09/28/73	04/19/17	09/28/73	No		Regular	YES
060299B	SAN JOAQUIN COUNTY	SAN JOAQUIN COUNTY		05/15/80	10/20/16	05/15/80	No	7	Regular	YES
060055#	SAN JOAQUIN, CITY OF	FRESNO COUNTY	05/10/74	07/19/01	(NSFHA)	04/30/82	No		Regular	YES
060349#	SAN JOSE, CITY OF	SANTA CLARA COUNTY	01/24/75	08/02/82	02/19/14	08/02/82	No	7	Regular	YES
060269#	SAN JUAN BAUTISTA, CITY OF	SAN BENITO COUNTY	02/08/74	09/24/84	04/16/09	09/24/84	No		Regular	YES
060231C	SAN JUAN CAPISTRANO, CITY OF	ORANGE COUNTY	05/10/74	09/14/79	03/21/19	09/14/79	No	8	Regular	YES
060013B	SAN LEANDRO, CITY OF	ALAMEDA COUNTY	06/07/74	03/18/80	12/21/18	03/18/80	No	8	Regular	YES
060304C	SAN LUIS OBISPO COUNTY	SAN LUIS OBISPO COUNTY	01/03/75	07/05/82	05/16/17	07/05/82	No		Regular	YES
060310C	SAN LUIS OBISPO, CITY OF	SAN LUIS OBISPO COUNTY	10/26/73	04/16/79	05/16/17	04/16/79	No	7	Regular	YES
060296#	SAN MARCOS, CITY OF	SAN DIEGO COUNTY	05/24/74	08/01/78	05/16/12	08/01/78	No		Regular	YES
065057#	SAN MARINO, CITY OF	LOS ANGELES COUNTY	03/18/72	09/26/08	(NSFHA)	04/30/79	No		Regular	YES
060311D	SAN MATEO COUNTY	SAN MATEO COUNTY	11/01/74	07/05/84	04/05/19	07/05/84	No	8	Regular	YES
060328D	SAN MATEO, CITY OF	SAN MATEO COUNTY	10/17/75	10/19/01	04/05/19	03/30/81	No		Regular	YES
060036C	SAN PABLO, CITY OF	CONTRA COSTA COUNTY	03/15/74	08/01/77	03/21/17	08/01/77	No	8	Regular	YES
065058D	SAN RAFAEL, CITY OF	MARIN COUNTY	07/31/71	05/01/84	03/16/16	05/01/84	No		Regular	YES
060710#	SAN RAMON, CITY OF	CONTRA COSTA COUNTY		09/27/85	06/16/09	09/27/85	No	6	Regular	YES
060435B	SAND CITY, CITY OF	MONTEREY COUNTY	12/03/76	06/03/86	06/21/17	06/03/86	No		Regular	YES
060054#	SANGER, CITY OF	FRESNO COUNTY	06/28/74	12/01/82	02/18/09	12/01/82	No		Regular	YES
060232#	SANTA ANA, CITY OF	ORANGE COUNTY	06/21/74	09/14/79	12/03/09	09/14/79	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060331D	SANTA BARBARA COUNTY	SANTA BARBARA COUNTY	12/20/74	03/15/79	09/28/18	03/15/79	No	6	Regular	YES
060335D	SANTA BARBARA, CITY OF	SANTA BARBARA COUNTY	06/14/74	12/15/78	09/28/18	12/15/78	No		Regular	YES
060337#	SANTA CLARA COUNTY	SANTA CLARA COUNTY	06/20/78	08/02/82	02/19/14	08/02/82	No	10	Regular	YES
060350#	SANTA CLARA, CITY OF	SANTA CLARA COUNTY	04/12/74	07/16/80	02/19/14	07/16/80	No	7	Regular	YES
060729F	SANTA CLARITA, CITY OF	LOS ANGELES COUNTY	10/24/78	12/02/80	06/02/21	03/23/89	No	7	Regular	YES
060353F	SANTA CRUZ COUNTY	SANTA CRUZ COUNTY	08/16/74	04/15/86	09/29/17	04/15/86	No	8	Regular	YES
060355F	SANTA CRUZ, CITY OF	SANTA CRUZ COUNTY	03/08/74	02/15/85	09/29/17	02/15/85	No	7	Regular	YES
060158#	SANTA FE SPRINGS, CITY OF	LOS ANGELES COUNTY	06/28/74	04/15/80	09/26/08	04/15/80	No		Regular	YES
060336#	SANTA MARIA, CITY OF	SANTA BARBARA COUNTY	05/15/74	06/01/81	12/04/12	06/01/81	No		Regular	YES
060159F	SANTA MONICA, CITY OF	LOS ANGELES COUNTY	07/26/74	09/26/08	04/21/21	04/30/82	No		Regular	YES
060420#	SANTA PAULA, CITY OF	VENTURA COUNTY	05/24/74	04/15/80	01/20/10	04/15/80	No		Regular	YES
060381F	SANTA ROSA, CITY OF	SONOMA COUNTY	07/26/74	08/03/81	07/19/22	08/03/81	No		Regular	YES
060703#	SANTEE, CITY OF	SAN DIEGO COUNTY	09/07/82	09/28/84	05/16/12	09/28/84	No		Regular	YES
060351#	SARATOGA, CITY OF	SANTA CLARA COUNTY	03/22/74	01/17/79	02/19/14	01/17/79	No		Regular	YES
060182D	SAUSALITO, CITY OF	MARIN COUNTY	05/17/74	09/30/80	08/15/17	09/30/80	No	9	Regular	YES
060356#	SCOTTS VALLEY, CITY OF	SANTA CRUZ COUNTY	05/31/74	10/18/83	05/16/12	10/18/83	No		Regular	YES
060233C	SEAL BEACH, CITY OF	ORANGE COUNTY	06/21/74	07/03/78	03/21/19	07/03/78	No		Regular	YES
060203B	SEASIDE, CITY OF	MONTEREY COUNTY	06/07/74	07/02/81	06/21/17	07/02/81	No		Regular	YES
060382#	SEBASTOPOL, CITY OF	SONOMA COUNTY	03/08/74	06/18/80	10/16/12	06/18/80	No		Regular	YES
060082B	SHAFTER, CITY OF	KERN COUNTY	02/06/76	09/29/89	10/21/21	09/29/89	No		Regular	YES
060358B	SHASTA COUNTY	SHASTA COUNTY	12/13/77	09/27/85	12/16/21	09/27/85	No		Regular	YES
060758#	SHASTA LAKE, CITY OF	SHASTA COUNTY	12/13/77	09/27/85	03/17/11	10/22/97	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060630B	SIERRA COUNTY	SIERRA COUNTY		09/01/88	04/19/19	11/12/93	No		Regular	YES
065059#	SIERRA MADRE, CITY OF	LOS ANGELES COUNTY	05/25/73	09/26/08	(NSFHA)	09/07/84	No		Regular	YES
060161F	SIGNAL HILL, CITY OF	LOS ANGELES COUNTY	06/28/74	09/26/08	04/21/21	03/30/79	No		Regular	YES
060421#	SIMI VALLEY, CITY OF	VENTURA COUNTY	05/17/74	09/27/91	01/20/10	09/27/91	No	5	Regular	YES
060362#	SISKIYOU COUNTY	SISKIYOU COUNTY	11/15/77	05/17/82	01/19/11	05/17/82	No		Regular	YES
060725F	SOLANA BEACH, CITY OF	SAN DIEGO COUNTY		06/03/88	12/20/19	09/19/89	No		Regular	YES
060631D	SOLANO COUNTY	SOLANO COUNTY	02/14/78	08/02/82	08/03/16	08/02/82	No	7	Regular	YES
060204#	SOLEDAD, CITY OF	MONTEREY COUNTY	05/14/74	07/18/83	04/02/09	11/30/78	No		Regular	YES
060756#	SOLVANG, CITY OF	SANTA BARBARA COUNTY	12/20/74	03/15/74	12/04/12	10/09/97	No		Regular	YES
060375F	SONOMA COUNTY	SONOMA COUNTY	06/19/70	01/20/82	07/19/22	01/20/82	No	10	Regular	YES
060383#	SONOMA, CITY OF	SONOMA COUNTY	02/22/74	01/17/79	12/02/08	01/17/79	No		Regular	YES
060412#	SONORA, CITY OF	TUOLUMNE COUNTY	10/10/75	04/16/09	04/16/09(M)	05/25/78	No		Regular	YES
060162#	SOUTH EL MONTE, CITY OF	LOS ANGELES COUNTY	06/21/74	09/26/08	(NSFHA)	11/14/75	No		Regular	YES
060163#	SOUTH GATE, CITY OF	LOS ANGELES COUNTY	06/28/74	07/06/98	09/26/08(M)	04/15/79	No		Regular	YES
065060#	SOUTH LAKE TAHOE, CITY OF	EL DORADO COUNTY	07/19/74	07/03/78	04/03/12	07/03/78	No		Regular	YES
065061#	SOUTH PASADENA, CITY OF	LOS ANGELES COUNTY	04/18/74	09/26/08	(NSFHA)	11/14/75	No		Regular	YES
065062D	SOUTH SAN FRANCISCO, CITY OF	SAN MATEO COUNTY	06/27/70	09/02/81	04/05/19	09/02/81	No		Regular	YES
060208#	ST. HELENA, CITY OF	NAPA COUNTY	05/31/74	05/01/80	09/26/08	05/01/80	No		Regular	YES
060384B	STANISLAUS COUNTY	STANISLAUS COUNTY		08/01/80	08/24/21	08/01/80	No		Regular	YES
060234#	STANTON, CITY OF	ORANGE COUNTY	07/16/76	09/15/89	12/03/09(M)	03/16/79	No		Regular	YES
060302#	STOCKTON, CITY OF	SAN JOAQUIN COUNTY	02/22/74	01/03/79	10/16/09	01/03/79	No	8	Regular	YES
060372D	SUISUN CITY, CITY OF	SOLANO COUNTY	03/22/74	06/01/82	08/03/16	06/01/82	No		Regular	YES
060352#	SUNNYVALE, CITY OF	SANTA CLARA COUNTY	05/31/74	05/15/78	05/18/09	05/15/78	No	7	Regular	YES
060093#	SUSANVILLE, CITY OF	LASSEN COUNTY	02/01/74	06/19/85	09/03/10	06/19/85	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060394B	SUTTER COUNTY	SUTTER COUNTY	06/07/77	04/05/88	06/16/15	04/05/88	No	6	Regular	YES
060458#	SUTTER CREEK, CITY OF	AMADOR COUNTY	01/10/75	09/24/84	05/20/10	09/24/84	No		Regular	YES
065063#	TAFT, CITY OF	KERN COUNTY	06/28/74	09/30/92	09/26/08	08/23/82	No		Regular	YES
060084#	TEHACHAPI, CITY OF	KERN COUNTY	07/30/76	06/15/82	09/26/08	06/15/82	No		Regular	YES
065064#	TEHAMA COUNTY	TEHAMA COUNTY	03/07/78	06/01/82	09/29/11	06/01/82	No		Regular	YES
060400#	TEHAMA, CITY OF	TEHAMA COUNTY	12/24/74	09/17/80	09/29/11	09/17/80	No	5	Regular	YES
060742#	TEMECULA, CITY OF	RIVERSIDE COUNTY		09/02/93	08/28/08	08/28/91	No		Regular	YES
060422E	THOUSAND OAKS, CITY OF	VENTURA COUNTY	06/07/74	09/29/78	04/04/18	09/29/78	No		Regular	YES
060430D	TIBURON, TOWN OF	MARIN COUNTY	06/07/74	05/16/77	03/16/16	05/16/77	No		Regular	YES
060165F	TORRANCE, CITY OF	LOS ANGELES COUNTY	08/02/74	12/18/79	04/21/21	12/18/79	No		Regular	YES
060303#	TRACY, CITY OF	SAN JOAQUIN COUNTY	06/28/74	06/18/87	10/16/09	12/22/80	No		Regular	YES
060401C	TRINITY COUNTY	TRINITY COUNTY	12/13/77	08/16/88	07/20/16	08/16/88	No	9	Regular	YES
060762#	TRUCKEE, TOWN OF	NEVADA COUNTY	09/06/77	01/19/83	02/03/10	05/17/95	No		Regular	YES
065066#	TULARE COUNTY	TULARE COUNTY	02/14/75	09/29/86	12/18/12	09/29/86	No		Regular	YES
065065#	TULARE, CITY OF	TULARE COUNTY	06/04/76	07/05/83	06/16/09	07/05/83	No		Regular	YES
060411#	TUOLUMNE COUNTY	TUOLUMNE COUNTY	04/18/78	09/05/90	04/16/09	09/05/90	No		Regular	YES
060392B	TURLOCK, CITY OF	STANISLAUS COUNTY	05/24/74	09/26/08	(NSFHA)	05/14/81	No		Regular	YES
060235#	TUSTIN, CITY OF	ORANGE COUNTY	06/21/76	09/14/79	12/03/09	09/14/79	No		Regular	YES
060734E	TWENTYNINE PALMS, CITY OF	SAN BERNARDINO COUNTY		09/29/78	09/02/16	07/27/89	No		Regular	YES
060186#	UKIAH, CITY OF	MENDOCINO COUNTY	08/09/74	07/19/82	06/02/11	07/19/82	No		Regular	YES
060014#	UNION CITY, CITY OF	ALAMEDA COUNTY	07/11/75	12/01/78	08/03/09	12/01/78	No		Regular	YES
065067E	UPLAND, CITY OF	SAN BERNARDINO COUNTY	06/28/74	03/18/96	09/02/16	12/23/81	No		Regular	YES
060373#	VACAVILLE, CITY OF	SOLANO COUNTY	05/17/74	08/02/82	08/02/12	08/02/82	No	8	Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060374D	VALLEJO, CITY OF	SOLANO COUNTY	07/19/74	10/17/78	08/03/16	10/17/78	No		Regular	YES
060413E	VENTURA COUNTY	VENTURA COUNTY	01/31/75	10/31/85	01/29/21	10/31/85	No	5	Regular	YES
065068E	VICTORVILLE, CITY OF	SAN BERNARDINO COUNTY		09/21/73	09/02/16	09/21/73	No		Regular	YES
060236#	VILLA PARK, CITY OF	ORANGE COUNTY	03/22/74	12/04/79	12/03/09	12/04/79	No		Regular	YES
060409#	VISALIA, CITY OF	TULARE COUNTY	08/23/74	07/05/84	06/16/09	07/05/84	No	7	Regular	YES
060297#	VISTA, CITY OF	SAN DIEGO COUNTY	06/14/74	08/15/83	05/16/12	08/15/83	No		Regular	YES
065070C	WALNUT CREEK, CITY OF	CONTRA COSTA COUNTY	11/08/74	05/01/85	03/21/17	05/01/85	No	8	Regular	YES
065069#	WALNUT, CITY OF	LOS ANGELES COUNTY	07/16/76	09/26/08	(NSFHA)	09/07/84	No		Regular	YES
060085#	WASCO, CITY OF	KERN COUNTY	05/17/74	07/04/89	09/26/08	07/04/89	No		Regular	YES
060393#	WATERFORD, CITY OF	STANISLAUS COUNTY	05/24/74	07/16/79	09/26/08	07/16/79	No		Regular	YES
060357#	WATSONVILLE, CITY OF	SANTA CRUZ COUNTY	03/22/74	06/15/84	05/16/12	06/15/84	No	7	Regular	YES
060649#	WEED, CITY OF	SISKIYOU COUNTY	01/20/81	01/20/82	01/19/11	01/20/82	No		Regular	YES
060666#	WEST COVINA, CITY OF	LOS ANGELES COUNTY	06/28/74	12/02/04	09/26/08(M)	09/07/84	No		Regular	YES
060720#	WEST HOLLYWOOD, CITY OF	LOS ANGELES COUNTY		06/18/87	09/26/08	06/18/87	No		Regular	YES
060728#	WEST SACRAMENTO, CITY OF	YOLO COUNTY		03/05/90	01/19/95	03/13/90	No	8	Regular	YES
060744F	WESTLAKE VILLAGE, CITY OF	LOS ANGELES COUNTY		09/26/08	04/04/18	10/01/92	No		Regular	YES
060237C	WESTMINSTER, CITY OF	ORANGE COUNTY	06/14/74	08/08/78	03/21/19(M)	08/08/78	No		Regular	YES
060072#	WESTMORLAND, CITY OF	IMPERIAL COUNTY	05/24/74	09/26/08	(NSFHA)	06/30/76	No		Regular	YES
060460#	WHEATLAND, CITY OF	YUBA COUNTY	05/02/75	09/29/86	02/18/11	09/29/86	No		Regular	YES
060169#	WHITTIER, CITY OF	LOS ANGELES COUNTY	06/28/74	01/16/81	09/26/08	01/16/81	No		Regular	YES
060221#	WILDOMAR, CITY OF	RIVERSIDE COUNTY		08/28/08	08/28/08	01/20/11	No		Regular	YES
060024#	WILLIAMS, CITY OF	COLUSA COUNTY	03/29/74	04/22/80	05/15/03	04/22/80	No		Regular	YES
060187C	WILLITS, CITY OF	MENDOCINO COUNTY	02/08/74	07/19/82	09/01/22	07/19/82	No		Regular	YES

Community ID (CID)	Community Name	County	Initial FHBM Identified	Initial FIRM Identified	Currently Effective Map Date	Regular or Emergency Program Date	Tribal	Current Class	Program	Participating Community
060059#	WILLOWS, CITY OF	GLENN COUNTY	07/26/74	06/04/80	08/05/10	06/04/80	No		Regular	YES
060761#	WINDSOR, TOWN OF	SONOMA COUNTY		12/02/08	12/02/08	05/11/95	No		Regular	YES
060425#	WINTERS, CITY OF	YOLO COUNTY	01/23/74	12/01/78	06/18/10	12/01/78	No		Regular	YES
065071#	WOODLAKE, CITY OF	TULARE COUNTY	11/10/72	06/01/83	06/16/09	06/01/83	No		Regular	YES
060426#	WOODLAND, CITY OF	YOLO COUNTY	02/01/74	10/16/79	05/16/12	10/16/79	No		Regular	YES
060330#	WOODSIDE, TOWN OF	SAN MATEO COUNTY	06/14/74	11/15/79	10/16/12	11/15/79	No		Regular	YES
060423#	YOLO COUNTY	YOLO COUNTY	10/18/77	12/16/80	05/16/12	12/16/80	No	8	Regular	YES
060238#	YORBA LINDA, CITY OF	ORANGE COUNTY	08/09/74	08/01/78	12/03/09	08/01/78	No	10	Regular	YES
060209#	YOUNTVILLE, TOWN OF	NAPA COUNTY	03/01/74	03/28/80	09/26/08	03/28/80	No		Regular	YES
060367#	YREKA, CITY OF	SISKIYOU COUNTY	03/22/74	11/18/81	01/19/11	11/18/81	No		Regular	YES
060396#	YUBA CITY, CITY OF	SUTTER COUNTY	06/14/74	03/23/84	03/23/84(M)	03/23/84	No	6	Regular	YES
060427#	YUBA COUNTY	YUBA COUNTY	09/06/74	05/17/82	02/18/11	05/17/82	No	7	Regular	YES
060739#	YUCAIPA, CITY OF	SAN BERNARDINO COUNTY		03/18/96	08/28/08	01/28/91	No	10	Regular	YES
060750E	YUCCA VALLEY, TOWN OF	SAN BERNARDINO COUNTY		01/17/97	09/02/16	03/31/93	No		Regular	YES
060249H	COACHELLA, CITY OF	RIVERSIDE COUNTY	05/17/74	09/30/80	03/06/18	03/07/18 (S)	No		Regular	NO
060447#	GUSTINE, CITY OF	MERCED COUNTY		12/02/08	12/02/08	12/02/09	No			NO
060634#	MARIPOSA COUNTY	MARIPOSA COUNTY	11/29/77	09/05/90	09/25/09	11/29/78	No			NO
060056#	SELMA, CITY OF	FRESNO COUNTY	05/24/74	07/19/01	02/18/09	05/24/75	No			NO
060436B	TRINIDAD, CITY OF	HUMBOLDT COUNTY	05/14/76	11/04/16	06/21/17	05/14/77	No			NO

P.2. COMMUNITY RATING SYSTEM

The NFIP Community Rating System (CRS) is a voluntary incentive program that recognizes and encourages community and State floodplain management activities that exceed the minimum federal requirements in the NFIP. The objective of the CRS program is to enhance the goals of the NFIP, which include (DWR 2022b):

- Providing affordable flood insurance to property owners
- Reducing the cost of federal disaster assistance to taxpayers
- Encouraging communities and individuals to take actions that reduce flood loss

In the CRS program, communities document their floodplain management efforts and submit documentation to CRS for review. Based on the number and types of activities, a community earn "credit points." When a community accumulates a certain number of credit points in their certification process, they are designated in one of ten classes in the CRS program that corresponds to a flood insurance discount. Food insurance discounts range from 5 percent to 45 percent depending on the credit points accumulated to earn a corresponding class rating. Lower class numbers are associated with a higher flood insurance discount. For example, a "Class 1" community has implemented more flood risk reducing activities and accumulated a higher number of points, thus receiving a 45 percent discount on NFIP policies for its residents. Class 10 is not associated with any NFIP discounts.

The CRS program has three main goals:

- Reduce and avoid flood damage to insurable property
- Strengthen and support the insurance aspects of the NFIP
- Foster comprehensive floodplain management (DWR 2022b)

Currently, California has 96 communities participating in CRS (Class 9 or lower):

- 12 communities with Class 9 rating
- 75 communities with Class 6 to 8 ratings
- 9 communities with Class 1 to 5 ratings

These CRS communities account for 66 percent of the NFIP policy base statewide, representing a majority of flooding problem areas in the State. The CRS benefits more than 123,000 policyholders and saves property owners and businesses over $11.5 million each year (CRSVIZ 2022).

Table P-2. CRS Eligible Communities in California

Community Number	Community Name	CRS Entry Date	Current Effective Date	Current Class	% Discount for SFHA	% Discount for Non-SFHA	Status *
060001	Alameda County	10/01/1992	10/01/1999	7	15	5	C
060002	Alameda, City of	10/01/2019	10/01/2019	8	10	5	NA
060213	Anaheim, City of	10/01/1991	05/01/2007	8	10	5	C
065019	Burlingame, City of	05/01/2012	05/01/2012	9	5	5	C
060714	Clearlake, City of	05/01/2003	10/01/2008	10	0	0	R
065022	Concord, City of	10/01/2008	05/01/2020	6	20	10	C
060025	Contra Costa County	10/01/1991	05/01/2018	5	25	10	C
065023	Corte Madera, Town of	10/01/2003	04/01/2022	6	20	10	C
060339	Cupertino, City of	10/01/2005	05/01/2015	7	15	5	C
060708	East Palo Alto, City of	10/01/2011	04/01/2022	8	10	5	C
060175	Fairfax, Town of	10/01/2017	10/01/2017	9	5	5	C
060370	Fairfield, City of	10/01/1992	05/01/2009	7	15	5	C
060218	Fountain Valley, City of	10/01/1996	05/01/2015	9	5	5	C
065028	Fremont, City of	05/01/2001	05/01/2001	7	15	5	C
060048	Fresno, City of	10/01/1992	10/01/2007	8	10	5	C
065029	Fresno County	10/01/1991	05/01/2016	7	15	5	C
060340	Gilroy, City of	05/01/2007	05/01/2007	8	10	5	C
065034	Huntington Beach, City of	10/01/1995	10/01/2020	7	15	5	C
060222	Irvine, City of	10/01/1991	10/01/2012	9	5	5	C
060075	Kern County	10/01/1991	05/01/2020	9	5	5	C
060090	Lake County	10/01/1995	04/01/2021	7	15	5	M
060636	Lake Elsinore, City of	10/01/2009	05/01/2014	8	10	5	C
060738	Lathrop, City of	10/01/2008	10/01/2008	8	10	5	C
060395	Live Oak, City of	10/01/2011	05/01/2015	10	0	0	R
060008	Livermore, City of	05/01/2015	10/01/2020	6	20	10	C
060136	Long Beach, City of	10/01/1993	10/01/2012	8	10	5	C
060341	Los Altos, City of	10/01/1991	10/01/1996	8	10	5	C
060137	Los Angeles, City of	10/01/1991	10/01/2005	7	15	5	C
065043	Los Angeles County	10/01/1991	04/01/2022	6	20	10	M
060706	Manteca, City of	05/01/2009	05/01/2019	10	0	0	R
060173	Marin County	05/01/2016	05/01/2018	6	20	10	C
060321	Menlo Park, City of	10/01/2020	10/01/2020	8	10	5	C

Community Number	Community Name	CRS Entry Date	Current Effective Date	Current Class	% Discount for SFHA	% Discount for Non-SFHA	Status *
060344	Milpitas, City of	10/01/1991	05/01/2013	7	15	5	C
060735	Mission Viejo, City of	10/01/2005	05/01/2015	7	15	5	C
060195	Monterey County	10/01/1991	10/01/2020	5	25	10	C
065074	Moreno Valley, City of	10/01/1991	10/01/1996	8	10	5	C
060346	Morgan Hill, City of	05/01/2003	05/01/2003	7	15	5	C
060307	Morro Bay, City of	10/01/2013	05/01/2018	7	15	5	C
060347	Mountain View, City of	05/01/2002	05/01/2019	7	15	5	C
060751	Murrieta, City of	10/01/1997	10/01/1997	9	5	5	C
060205	Napa County	05/01/2018	05/01/2018	7	15	5	C
060207	Napa, City of	05/01/2001	05/01/2017	7	15	5	C
060388	Newman, City of	05/01/2015	05/01/2015	9	5	5	C
060227	Newport Beach, City of	10/01/1993	05/01/2020	7	15	5	C
060178	Novato, City of	10/01/1995	05/01/2010	6	20	10	C
060294	Oceanside, City of	10/01/1991	10/01/1996	8	10	5	C
060228	Orange, City of	10/01/1992	10/01/1992	9	5	5	C
060212	Orange County	10/01/1991	05/01/2017	5	25	10	C
060417	Oxnard, City of	05/01/2013	05/01/2018	7	15	5	C
060323	Pacifica, City of	05/01/2013	05/01/2013	7	15	5	C
060257	Palm Springs, City of	10/01/1992	05/01/2011	6	20	10	C
060348	Palo Alto, City of	10/01/1991	05/01/2017	6	20	10	C
060390	Patterson, City of	05/01/2015	10/01/2021	8	10	5	C
060379	Petaluma, City of	10/01/1991	10/01/1996	6	20	10	C
060239	Placer County	10/01/1991	05/01/2009	5	25	10	C
060034	Pleasant Hill, City of	05/01/2003	10/01/2018	9	5	5	C
060012	Pleasanton, City of	10/01/1992	10/01/2017	7	15	5	C
060702	Poway, City of	05/01/2008	05/01/2008	8	10	5	C
060360	Redding, City of	10/01/1996	05/01/2008	6	20	10	C
060279	Redlands, City of	10/01/2007	10/01/2015	8	10	5	C
060035	Richmond, City of	10/01/1995	05/01/2015	10	0	0	R
060245	Riverside County	10/01/2010	04/01/2022	6	20	10	C
060243	Roseville, City of	10/01/1992	10/01/2006	1	45	10	C
060179	Ross, Town of	05/01/2015	05/01/2015	8	10	5	C
060266	Sacramento, City of	10/01/1991	10/01/2021	3	35	10	C

Community Number	Community Name	CRS Entry Date	Current Effective Date	Current Class	% Discount for SFHA	% Discount for Non-SFHA	Status *
060262	Sacramento County	10/01/1992	05/01/2017	2	40	10	C
060202	Salinas, City of	10/01/1991	10/01/2013	7	15	5	C
060180	San Anselmo, Town of	05/01/2016	05/01/2016	9	5	5	C
060327	San Carlos, City of	05/01/2013	05/01/2013	9	5	5	C
060284	San Diego County	10/01/1994	05/01/2020	7	15	5	C
060299	San Joaquin County	10/01/1993	10/01/2018	7	15	5	C
060349	San Jose, City of	10/01/1991	10/01/2001	7	15	5	C
060231	San Juan Capistrano, City of	10/01/1991	05/01/2017	8	10	5	C
060013	San Leandro, City of	10/01/2006	10/01/2006	8	10	5	C
060310	San Luis Obispo, City of	10/01/1991	05/01/2017	6	20	10	C
060311	San Mateo County	10/01/2010	10/01/2010	9	5	5	C
060036	San Pablo, City of	10/01/2013	10/01/2013	8	10	5	C
060710	San Ramon, City of	10/01/1991	05/01/2011	6	20	10	C
060331	Santa Barbara County	10/01/1991	05/01/2006	6	20	10	C
060350	Santa Clara, City of	05/01/2002	10/01/2019	7	15	5	C
060337	Santa Clara County	05/01/2004	05/01/2009	10	0	0	R
060729	Santa Clarita, City of	10/01/2001	05/01/2014	7	15	5	C
060355	Santa Cruz, City of	10/01/1992	05/01/2002	7	15	5	C
060353	Santa Cruz County	10/01/2012	10/01/2012	8	10	5	C
060182	Sausalito, City of	05/01/2019	05/01/2019	9	5	5	NA
060421	Simi Valley, City of	10/01/1993	10/01/2019	5	25	10	M
060631	Solano County	10/01/1991	10/01/2018	7	15	5	C
060375	Sonoma County	10/01/1991	10/01/1992	10	0	0	R
060302	Stockton, City of	10/01/1996	10/01/1997	8	10	5	C
060352	Sunnyvale, City of	10/01/1998	05/01/2009	7	15	5	C
060394	Sutter County	10/01/2008	05/01/2020	6	20	10	C
060400	Tehama, City of	10/01/2003	05/01/2013	5	25	10	C
060401	Trinity County	05/01/2011	05/01/2011	9	5	5	C
060373	Vacaville, City of	10/01/1995	10/01/2000	8	10	5	C
060413	Ventura County	10/01/2011	05/01/2016	5	25	10	C
060409	Visalia, City of	10/01/2011	05/01/2018	7	15	5	C
065070	Walnut Creek, City of	10/01/1991	05/01/2011	8	10	5	C
060357	Watsonville, City of	10/01/1992	10/01/2018	7	15	5	C

Community Number	Community Name	CRS Entry Date	Current Effective Date	Current Class	% Discount for SFHA	% Discount for Non-SFHA	Status *
060728	West Sacramento, City of	10/01/2011	05/01/2017	6	20	10	C
060238	Yorba Linda, City of	10/01/1993	10/01/2004	10	0	0	R
060423	Yolo County	10/01/2010	10/01/2010	8	10	5	C
060396	Yuba City, City of	10/01/2007	10/01/2019	6	20	10	C
060427	Yuba County	10/01/2003	04/01/2021	7	15	5	C
060739	Yucaipa, City of	10/01/2011	10/01/2015	10	0	0	R

Source: (FEMA 2023d)
* Notes: C = Cycle
M = Modification
NA = New Application
R = Retrograde

Appendix Q. **State Investments in Hazard Mitigation and Climate Adaptation**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

Q. STATE INVESTMENTS IN HAZARD MITIGATION AND CLIMATE ADAPTATION

The State of California invests in hazard mitigation and climate adaptation through various State grant programs across a variety of partner agencies. This appendix summarizes recent spending through key programs.

Q.1. GREENHOUSE GASE REDUCTION FUND

Through the Greenhouse Gas Reduction Fund (GGRF), California has appropriated $19.6 billion toward the State's climate goals and implemented $11.4 billion in projects as of August 2022. These investments support programs and projects that reduce greenhouse gas (GHG) emissions in the State and deliver major economic, environmental, and public health benefits for Californians, including meaningful benefits to the most disadvantaged communities. The fund supports programs and projects within three priority areas: transportation and sustainable communities, clean energy and energy efficiency, and natural resource and waste diversion. The fund received continuous appropriations and annual appropriations through the Legislature's yearly budget deliberations.

Table Q-1 contains a summary of appropriations as of September 2022.

Table Q-1. GGRF Appropriations by Program

Agency	Program and Sub-Programs	Appropriations ($ millions)		
		Prior to FY 22-23	FY 22-23	Total
California Air Resources Board (CARB)	▪ Community Air Monitoring	—	$30	$30
CARB	▪ Community Air Protection ▪ Community Air Grant ▪ Community Air Protection Incentives	$1,085	$270	$1,356
CARB	▪ Fluorinated Gases Emission Reduction Incentives	$1	$10	$11
CARB	▪ Funding Agricultural Replacement Measures for Emission Reductions Program	$421	-	$421

Agency	Program and Sub-Programs	Appropriations ($ millions)		
		Prior to FY 22-23	FY 22-23	Total
CARB	▪ Low Carbon Transportation ▪ Advanced Technology Demonstration and Pilot Projects ▪ Agricultural Worker Vanpools ▪ Clean Cars for All ▪ Clean Mobility in Schools Project ▪ Clean Mobility Options ▪ Clean Off-Road Equipment Voucher Incentive Project ▪ Small Off-Road Engines ▪ Clean Vehicle Rebate Project ▪ Financing Assistance for Lower-Income Consumers ▪ Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project ▪ Outreach, Education, and Awareness ▪ Rural School Bus Pilot Projects ▪ Sustainable Transportation Equity Project ▪ Zero- and Near Zero-Emission Freight Facilities ▪ Zero-Emission Truck and Bus Pilot Projects	$2,729	$746	$3,475
CARB	▪ Methane Satellites	-	$105	$105
CARB	▪ Prescribed Fire and Smoke Monitoring Program	$4	-	$4
CARB	▪ Woodsmoke Reduction	$13	$5	$18
California Coastal Commission	▪ Coastal Resilience Planning	$5	$1	$6
California Conservation Corps (CCC)	▪ Training and Workforce Development Program	$71	$4	$75
California Department of Community Services and Development	▪ Low-Income Weatherization ▪ Community Solar ▪ Farmworker Housing Single-Family Energy Efficiency and Solar Photovoltaics ▪ Multi-Family Energy Efficiency and Renewables ▪ Single-Family Energy Efficiency and Solar Photovoltaics	$227	$15	$242

Agency	Program and Sub-Programs	Appropriations ($ millions)		
		Prior to FY 22-23	FY 22-23	Total
California Department of Fish and Wildlife (CDFW)	▪ Wetlands and Watershed Restoration	$47	-	$47
California Department of Food and Agriculture (CDFA)	▪ Dairy Methane ▪ Alternative Manure Management Program ▪ Dairy Digester Research and Development Program	$289	$30	$319
CDFA	▪ Healthy Soils Program	$66	-	$66
CDFA	▪ Renewable and Alternative Fuels	$3	-	$3
CDFA	▪ State Water Efficiency and Enhancement Program	$63	-	$63
California Department of Forestry and Fire Protection (CAL FIRE)	▪ Community Fire Planning and Preparedness	$10	-	$10
CAL FIRE	▪ Fire Prevention ▪ Fire Prevention Grants Program ▪ Fire Prevention Program	$358	$84	$435
CAL FIRE	▪ Forest Carbon Plan Implementation	$130	-	$130
CAL FIRE	▪ Sustainable Forests ▪ Forest Health Program ▪ Forest Health Research ▪ Urban and Community Forestry Program	$974	-	$974
California Department of Resources Recycling and Recovery (CalRecycle)	▪ Waste Diversion ▪ Community Composting for Green Spaces Grant ▪ Food Waste Prevention and Rescue Grants ▪ Organics and Recycling Manufacturing Loans ▪ Organics Grants ▪ Recycled Fiber, Plastic, and Glass Grants	$269	$190	$459
California Department of Transportation (Caltrans)	▪ Active Transportation Program	$10	-	$10
Caltrans	▪ Low-Carbon Transit Operations Program4	$902	-	$902
California Department of Water Resources (DWR)	▪ State Water Project Turbines	$20	-	$20
DWR	▪ Water-Energy Grant Program	$48	-	$48

Agency	Program and Sub-Programs	Appropriations ($ millions)		
		Prior to FY 22-23	FY 22-23	Total
California Energy Commission (CEC)	▪ Food Production Investment Program	$124	-	$124
CEC	▪ Low-Carbon Fuel Production Program	$13	-	$13
CEC	▪ Renewable Energy for Agriculture Program	$10	-	$10
California Environmental Protection Agency (CalEPA)	▪ Transition to a Carbon-Neutral Economy	$3	-	$3
California Governor's Office of Emergency Services (Cal OES)	▪ Wildfire Response and Readiness ▪ Fire Engines and Maintenance ▪ Wildfire Response and Readiness	$32	$1	$35
California High-Speed Rail Authority	▪ High-Speed Rail Project	$5,050	-	$5,050
California Natural Resources Agency (CNRA)	▪ Regional Forest and Fire Capacity	$20	-	$20
CNRA	▪ Urban Greening Program	$156	-	$156
California Ocean Protection Council	▪ Sea-Level Rise	-	$38	$38
California State Coastal Conservancy	▪ Climate Ready Program	$7	$118	$125
California State Transportation Agency	▪ Transit and Intercity Rail Capital Program	$1,916	-	$1,916
California State Water Resources Control Board (Water Boards)	▪ Safe and Affordable Drinking Water Fund	$328	-	$328
California Strategic Growth Council (SGC)	▪ Affordable Housing and Sustainable Communities ▪ Affordable Housing and Sustainable Communities Program ▪ Sustainable Agricultural Lands Conservation Program	$3,653	-	$3,653
SGC	▪ Climate Change Research Program	$36	-	$36
SGC	▪ Technical Assistance Program	$6	-	$6
SGC	▪ Transformative Climate Communities Program	$241	-	$241
California Wildlife Conservation Board	▪ Climate Adaptation and Resiliency Program	$20	-	$20
California Workforce Development Board	▪ Low-Carbon Economy Workforce	$39	$3	$42

Agency	Program and Sub-Programs	Appropriations ($ millions)		
		Prior to FY 22-23	FY 22-23	Total
San Francisco Bay Conservation and Development Commission	▪ Climate Resilience Planning	$7	$2	$8
Total		**$18,270**	**$1,652**	**$21,041**

NOTE: Appropriations listed are estimates based on published budgets, legislation, quarterly cap-and-trade auction results, and reversions of unused funds, rounded to the nearest million dollars; listed values may not sum due to rounding. Administering agencies may also transfer appropriation to other State agencies to implement programs.
Source: (Cap-and-Trade 2022)

Q.2. OTHER STATE PROGRAMS

In addition to the programs listed above, California continuously makes investments in mitigation to support the State's mitigation focused programs. An overview of State legislative funding invested in mitigation is presented in Table Q-2 through Table Q-6. Headings within each budget year reflect allocation areas determined by the legislature in each respective year.

Table Q-2. 2018-2019 California Budget Related to Mitigation, Resilience, Wildfire, and Climate Funding

Agency	State Investments	Budget Funds	Summary of Investment
Emergency Management			
Cal OES	Hazard Mitigation Program	$3.2 million	Enhance hazard mitigation activities throughout the State. Mitigation programs provide funding for eligible activities that reduce disaster losses and protect life and property from future disaster damages.
Cal OES	Regional Hazardous Materials Response Program	$3.4 million	Office of Emergency Services to provide regional and on-site support for planning, response, and mitigation capabilities in the event of a release of hazardous materials.
Climate Change & Natural Resources			
DWR	Groundwater Treatment	$84 million	For the State Water Board to support regional groundwater treatment and remediation activities that prevent or reduce contamination of groundwater.

Agency	State Investments	Budget Funds	Summary of Investment
California Environmental Protection Agency (CalEPA)	Forest Carbon Plan	$99.2 million	The California Forest Carbon Plan serves as a scientific foundation and policy vision for improving the health and resiliency of California's forests against the worsening threats of fire and disease driven by climate change.
CARB	Cap and Trade Expenditure Plan	$1.4 billion	The Cap and Trade Expenditure Plan invests in programs that further reduce GHG emissions, support climate resiliency efforts, and benefit disadvantaged communities.
California Governor's Office of Business and Economic Development (GO-Biz)	Zero-Emission Vehicle (ZEV) Investment Initiative	$2.4 billion over eight years	This new ZEV Initiative will help California meet and exceed the goal of 1.5 million ZEVs on California's roadways by 2025, and provide a solid foundation to achieve the 5 million ZEV goal by 2030.
DWR	Operations and Maintenance: Levees	$25 million	Support ongoing levee maintenance.
DWR	Sustainable Groundwater Management Act (SGMA) Implementation	$61.8 million	To support groundwater sustainability agencies through three key efforts: (1) providing technical assistance to aid in the development and evaluation of their plans, (2) supplementing existing planning grants to support a groundwater sustainability agency's responsibility to define a path to achieve sustainable groundwater management, and (3) providing grants directly supporting implementation of groundwater projects.
DWR	Urban Flood Control Projects	$170 million	The Urban Flood Control Projects will support the state cost-share of U.S. Army Corps of Engineers' (USACE) urban flood control projects that will contribute to a 200-year level of flood protection in urban areas of the Central Valley.
DWR	Salton Sea Restoration	$30 million	The Natural Resources Agency to construct water management infrastructure and habitat conservation and dust mitigation projects.

Agency	State Investments	Budget Funds	Summary of Investment
DWR	Multi-Benefit Flood Control Projects	$98.5 million	Flood control projects that achieve public safety and fish and wildlife improvements, as well as Floodplain Management, Protection and Risk Awareness Program to protect California's alluvial fan, coastal, and riverine floodplains.
CAL FIRE	CAL FIRE/Corps Fire Crews	$2.3 million	Support CAL FIRE/Corps fire crews for wildland fire suppression, emergency incident mitigation, and fire prevention and resource management work.
Environmental Protection/Statewide Issues and Various Departments			
CalRecycle	Disaster Response Emergency Operations	$300 million	To address immediate response and recovery efforts for communities affected by wildfires, and subsequent mudslides along with the removal of hazardous waste and debris that threatened public health and the environment if not immediately addressed.

Table Q-3. 2019-2020 California Budget Related to Mitigation, Resilience, Wildfire, and Climate Funding

Agency	State Investments	Budget Funds	Summary of Investment
Emergency Management			
Cal OES	Public Safety Power Shutoff	$75 million	Work with local governments and stakeholders to protect vulnerable populations and improve resiliency of the State's critical infrastructure in response to utility-led public safety power shutdown (PSPS) actions.
CARB, CDFW, and Water Boards	Prescribed Fire Monitoring and Timber Harvest Plan Exemption Review	$11.3 million	Funding to implement the requirements of the legislative package and facilitate increases in the number of prescribed fire and other fuel reduction projects while mitigating the potential for negative impacts to the environment.
CCC	Forestry Corps	$4.5 million	To develop and implement the Forestry Corps Program and operate four Forestry Corps crews that will undertake forest health and hazardous fuel reduction projects in areas of high fire risk.

Agency	State Investments	Budget Funds	Summary of Investment
CAL FIRE	Defensible Space Assistance Program	$5 million	Support for increased community resiliency through regionally led defensible space assistance programs.
CAL FIRE	Increasing Fire Prevention	$14.3 million	Provides (1) support in certifying the Programmatic Environmental Impact Report (EIR) for the California Vegetation Treatment Program, which will help CAL FIRE and other partner agencies increase the pace and scale of fire prevention activities, (2) enhance land use planning and wildfire risk reduction efforts in the wildland urban interface (WUI), and (3) dispose of illegal and dangerous fireworks.
CAL FIRE	Forest Health and Fire Prevention	$200 million	This funding will enable CAL FIRE to complete more fuel reduction projects through the operation of prescribed fire crews and grants for forest health projects.
Cal OES and California Volunteers	California for All Emergency Preparedness Campaign	$50 million	A joint initiative between Cal Volunteers and Cal OES, to connect vulnerable populations with culturally and linguistically competent support and bolster resiliency. The campaign is supports the dispatch of expert disaster teams to key regions and the development of targeted public awareness and outreach campaigns.
Environmental Protection/Statewide Issues and Various Departments			
Cal OES	Cap and Trade Expenditure Plan	$1.4 billion 2019-2020	Enhance support programs that reduce or sequester greenhouse gas emissions, enhance the State's resiliency to climate change. Enhancing the need for a practical roadmap to manage the decline of both the demand and supply of fossil fuels in California in a manner that is economically responsible and sustainable.

Table Q-4. 2020-2021 California Budget Related to Mitigation, Resilience, Wildfire, and Climate Funding

Agency	State Investments	Budget Funds	Summary of Investment
Emergency Management			
Cal OES	Community Power Resiliency	$50 million	Enhance preparedness measures that bolster community resiliency. Enhance measures will support critical services still vulnerable to power outage events, including schools, county election offices, and food storage reserves.
Cal OES	California Disaster Assistance Act (CDAA)	$38.2 million	Through the CDAA, which is used to repair, restore, or replace public real property damaged or destroyed by a disaster or to reimburse local governments and response to a state of emergency proclaimed by the Governor.
California Public Utilities Commission	Wildfire Mitigation Efforts	$50.1 million	Funding to review and enforce utility wildfire mitigation plans and implement statutes.
California Department of Technology	California Cybersecurity Integration Center	$11.1 million 2020-21	Enhance the State's critical cybersecurity infrastructure. Develop full-time Joint Incident Response Team to bolster the State's capabilities in preventing, mitigating, and responding to cyberattacks.
CAL FIRE	Innovation Procurement Sprint	$4.4 million	Enable CAL FIRE to implement the new, pioneering wildfire prediction and modeling technology that was procured through the Innovation Procurement Sprint process initiated through Executive Order. The data from this software program will be used to inform fire pre-positioning and suppression tactical operations, with the intent to more readily control and contain wildfires, and to protect people and assets at risk.
Climate Change			
CDFA	Farm to School Program	$10 million	Empower the Farm to School Working Group to advance farm to school implementation and explore how to create a more resilient and climate-smart food supply in California.

Agency	State Investments	Budget Funds	Summary of Investment
Environmental Protection			
CalEPA	Air Quality in Disadvantaged Communities	$50 million	Promoting support to local programs addressing the air quality disparities suffered by California's most disadvantaged communities. Additional support to local efforts to deploy community-scale air pollution monitoring, as well as to develop and execute community-driven pollution-reduction strategies.
Natural Resources			
DWR	American River Common Features Flood Control Project	$46 million 2020-2021	Sacramento region flood control project.
DWR	New River Improvement Project	$18 million	Enhancing support to New River Improvement Projects, which will address solid waste and pollution exposure challenges in the City of Calexico, and support health, recreation, and economic benefits in the area.

Table Q-5. 2021-2022 California Budget Related to Mitigation, Resilience, Wildfire, and Climate Funding

Agency	State Investments	Budget Funds	Summary of Investment
Emergency Management			
Cal OES	Community Hardening to Build Disaster Resilient Communities	$100 million	Enhancing support to community hardening efforts and under-resourced communities by covering up to 100 percent of the local government's cost share for participating in the federal Hazard Mitigation Grant Program (HMGP). In addition, providing outreach to disadvantaged local communities.
Cal OES	Supporting Long-Term Recovery	$37.8 million	Support California's recovery efforts and recoupment of eligible federal disaster cost reimbursements for the State and local governments on the State and local jurisdictions.

Agency	State Investments	Budget Funds	Summary of Investment
Cal OES	California Disaster Assistance Act (CDAA)	$100 million	The CDAA helps local governments for eligible costs associated with emergency activities undertaken in response to a state of emergency proclaimed by the Governor.
CAL FIRE	Wildfire and Forest Resilience Strategy	$1.5 billion	Dispense comprehensive packages of resources to increase the pace and scale of forest health activities and decrease fire risk.
CAL FIRE	Wildfire Forecast and Threat Intelligence Integration Center	$7.5 million 2021-2022	To transmit "real time" intelligence and data regarding wildfire threats to government agencies. Develop intelligence products for public and private entities involved in wildfire risk mitigation efforts. Also serves as a central organizing hub for wildfire forecasting, weather information, threat intelligence gathering, and analysis.
Climate Change			
Cal OES	Immediate Drought Support	$727.7 million	Enhance and meet current anticipated future water supply needs that will build regional capacity to endure dry conditions. These funds will encourage emergency drought relief projects that help secure and expand water supplies; small supplier and rural community drought contingency planning and preparedness projects; and local water resilience capacity building climate change.
DWR	Flood Management	$365.2 million	Funding across four years to leverage $1.8 billion in federal funds for the American River Common Features flood control project, the maintenance and strengthening of levees, the support of emergency flood response activities in the Sacramento-San Joaquin Delta, and the support of collaborative flood risk management.
CDFW	Restoration of Natural Areas and Ecosystems	$236.4 million	Support multi-benefit ecosystem and watershed protection and restoration projects; watershed resilience; and climate resilience by increasing coastal and marine ecosystem health.

Agency	State Investments	Budget Funds	Summary of Investment
DWR	Groundwater Sustainability and Water Conveyance	$200 million	Support major canals damaged by subsidence in order to facilitate movement of water across and within regions and Sustainable Groundwater Management Act implementation through groundwater projects and the State Water Efficiency and Enhancement Program.
CAL FIRE	Wildfire and Forest Resilience	$458 million	Support the Forest Management Task Force's Wildfire and Forest Resilience Action Plan. An additional $500 million is accelerated from 2022-23 to 2021-22 if authorized activities progress at a rate indicating additional funding is necessary.
GO-Biz	Heavy-Duty Zero-Emission Vehicles and Supporting Infrastructure	$2 billion	Zero-Emission vehicles prioritize projects that directly benefit populations and improve air quality to communities. In addition will service for local air districts in extreme nonattainment areas to deploy non-diesel, low nitrogen oxide heavy-duty vehicles.
GO-Biz	Light-Duty Zero-Emission Vehicle Adoption and Transportation Equity	$1.2 billion	Develop and invest in consumer adoption of ZEVs and in clean mobility for disadvantaged and low income communities. The funds will be distributed over three years for the statewide expansion of Clean Cars 4 All and for a suite of clean transportation equity projects. In addition the fund investment is designed to close the projected 2025 light duty charging and fueling infrastructure gap.
GO-Biz	Zero-Emission Rail and Transit Equipment Purchases and Infrastructure	$407 million	Establish and purchase or lease state-of-the-art, clean bus and rail equipment and infrastructure that eliminate fossil fuel emissions and increase intercity rail and intercity bus frequencies.
Sustainable Agriculture			
CDFA	State Water Efficiency and Enhancement Program (SWEEP) Grants	$40 million	Administer and provide grants to farmers to enhance irrigation efficiency and reduce greenhouse gas emissions from agriculture-related pumping

Agency	State Investments	Budget Funds	Summary of Investment
Environmental Protection			
Department of Toxic Substances Control	Contaminated Site Cleanups	$500	Accelerate the cleanup of contaminated properties in impacted communities. This investment will be allocated throughout California, using a risk-based approach founded on health-based criteria. These efforts will be accomplished in partnership with communities through the inclusion of funding for training and skills development.
Natural Resources			
CDFW	Biodiversity Enhancements/Strategic One-Time Investments	$41.8 million	Development toward safeguarding California's biodiversity, increasing access opportunities on State lands, and finding solutions to restore the State's natural ecosystems. which will advance the Department's work to protect and conserve California's natural resources.
CDFW	Water Resilience and Drought Package	$50.5 million	Supports expeditiously handling drought-related permitting and compliance, providing support and equipment to bolster the capacity to rescue fish and monitor at-risk species, and improving water use efficiency on State-owned habitat lands.
CDFW	Wildlife Habitat Restoration and Public Recreation for Underserved	$3.3 million	Aid to restore and enhance wildlife habitat and provide visitor amenities on selected State lands to enhance biodiversity conservation and provide equitable access for diverse communities.

Table Q-6. 2022-2023 California Budget Related to Mitigation, Resilience, Wildfire, and Climate Funding

Agency	State Investments	Budget Funds	Summary of Investment
Emergency Management			
Cal OES	Addressing Heightened Risks Through Enhanced Partnerships	$5.8 million in 2022-2023	Enhancing regional partnership capacity with local jurisdictions to bolster disaster recovery capacity and resilience.

Agency	State Investments	Budget Funds	Summary of Investment
CAL FIRE	Wildfire and Forest Resilience	$400 million	Enhance wildfire resilience across California's diverse landscapes by thinning forests, replanting trees, and supporting reforestation, which will also improve biodiversity, watershed health, carbon sequestration, air quality, and recreation.
CAL FIRE	Wildfire and Forest Resilience	$265 million	Support strategic fuel breaks projects that will enable local communities to develop their own fire safety projects.
CAL FIRE	Wildfire and Forest Resilience	$5 million	Expand defensible space inspections.
CAL FIRE	Wildfire and Forest Resilience	$530 million	Additional funds to be disbursed over two years and that will be allocated in the summer pending additional discussions with the Legislature to support additional wildfire and forest resilience actions.
Climate Change			
Cal OES	Nature based solutions, extreme heat, and other climate resilience activities- long duration storage incentives	$140 million	To invest in long duration storage projects throughout the State to support grid reliability. This investment will help with resilience in the face of emergencies, including wildfires, and provide a decarbonized complement to intermittent renewables, which will provide the State with additional energy storage options during periods of low renewable power availability.
Cal OES	Community Hardening	$5 million	To expand defensible space inspections. Comprehensive, in addition to wildfire and forest resilience strategy to continue to reduce the risk of catastrophic wildfires.
GO-Biz	Heavy-Duty Zero-Emission Vehicles	$600 million	Distributes Greenhouse Gas Reduction Fund to support zero-emission trucks, buses, & off-road equipment. Enhance efforts between educational, air pollution, and energy agencies.
GO-Biz	Low-Income Zero-Emission Vehicles	$76 million	Distributes Greenhouse Gas Reduction Fund to support low-income consumer purchases through equity programs. Improve access to opportunity.

Agency	State Investments	Budget Funds	Summary of Investment
GO-Biz	Zero-Emission Vehicle Infrastructure	$383 million	Federal funds to implement ZEV charging infrastructure programs pursuant to the federal Infrastructure Investments and Jobs Act. Provides programs and projects that align with climate goals, advance public health and equity.
CalEPA	Fish and Wildlife Protection	$88.3 million	Enables to protect fish and wildlife impacts associated with drought and climate change, along with Tribal co-management activities.
CalEPA	Climate and Health Resilience Planning	$25 million	For a grant program to bolster the actions of local health jurisdictions and develop regional Climate and Health Resilience Plans.
Caltrans	Climate Adaptation Programs	$400 million	To identity transportation-related climate vulnerabilities throughout the State and assist in developing and implementing projects to adapt infrastructure given climate change impacts.
CAL FIRE	Wildfire Fuel Breaks	$265 million	Supports strategic wildfire fuel breaks projects that will enable local communities to develop their own fire safety projects.
Various	Nature based solutions, extreme heat, and other climate resilience activities	$2.1 billion	Support multi-benefit and nature-based solutions, address impacts of extreme heat, build ocean and coastal resilience, advance environmental justice, and deliver community resilience and capacity where resources are most needed. Second round of investments from a $3.7 billion total investment in the 2021 budget.
Various	Nature based solutions, extreme heat, and other climate resilience activities	$768 million	To fund nature-based solutions over two years. Will be allocated in the summer after additional discussions with the Legislature.
Various	Nature based solutions, extreme heat, and other climate resilience activities	$300 million	To fund extreme heat-related activities over two years. Will be allocated in the summer after additional discussions with the Legislature.

Agency	State Investments	Budget Funds	Summary of Investment
Various	Nature based solutions, extreme heat, and other climate resilience activities	$3.1 billion	To support various other investments that support climate and energy activities, including climate-related grants to companies headquartered in California, over four years. Will be allocated in the summer after additional discussions with the Legislature.
California State Coastal Conservancy	Sea-Level Rise	$120 million 2022-23 $300 million 2023-24	Allocation for the Climate Ready Program to fund nature-based projects to address sea-level rise.
Higher Education			
University of California (UC)	Deferred Maintenance, Seismic Mitigation, and Energy Efficiency	$125 million	For deferred maintenance, seismic mitigation, and energy efficiency projects at UC campuses.
California State University (CSU)	Deferred Maintenance, Seismic Mitigation, and Energy Efficiency	$125 million	For deferred maintenance, seismic mitigation, and energy efficiency projects at CSU campuses.
Environmental Protection			
California Volunteers	California Climate Action Corps	$3.9 million 2024-25	Enhance the existing Climate Action Corps program. These resources will support the mission of empowering Californians to take meaningful actions to protect their communities against the harshest impacts of climate change.

Appendix R. **Mineral Hazards, Vulnerability, and Risk Assessment**



Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

R. MINERAL HAZARDS, VULNERABILITY, AND RISK ASSESSMENT

California has a complex and diverse geology with the potential for mineral hazards to occur statewide. It contains numerous types of rocks, which range from Quaternary to Proterozoic in age. Tectonically, it has been affected by many episodes of magmatism and metamorphism, with accompanying faulting and folding; these phenomena continue to the present. This diverse and active geologic history has resulted in a variety of potential mineral hazards throughout the State (Higgins, et al., 2016). In this appendix the term "mineral hazards" is used in a general way to include natural or earth materials that may be sources of possible environmental, human-health, or safety issues. Also included are sites of human-caused activities related to mining, prospecting, and exploration of natural resources.

Although there is no formal or legal definition of mineral hazards, for the purpose of presenting mineral hazard information in the State Hazard Mitigation Plan (SHMP), the California Geological Survey (CGS) defines mineral hazards in part as minerals, elements, and other chemical compounds that occur naturally in elevated, potentially harmful concentrations in rocks, soils, and certain fluids.

R.1. IDENTIFYING AND PROFILING MINERAL HAZARDS

The mineral hazards presented here include the group of hazards composed of naturally occurring asbestos (NOA) and other fibrous (crystals with acicular, rodlike structure) minerals, the 17 State-regulated metals and metalloids listed in the California Assessment Manual (CAM17), and the radioactive gas radon.

R.1.1. Naturally Occurring Asbestos

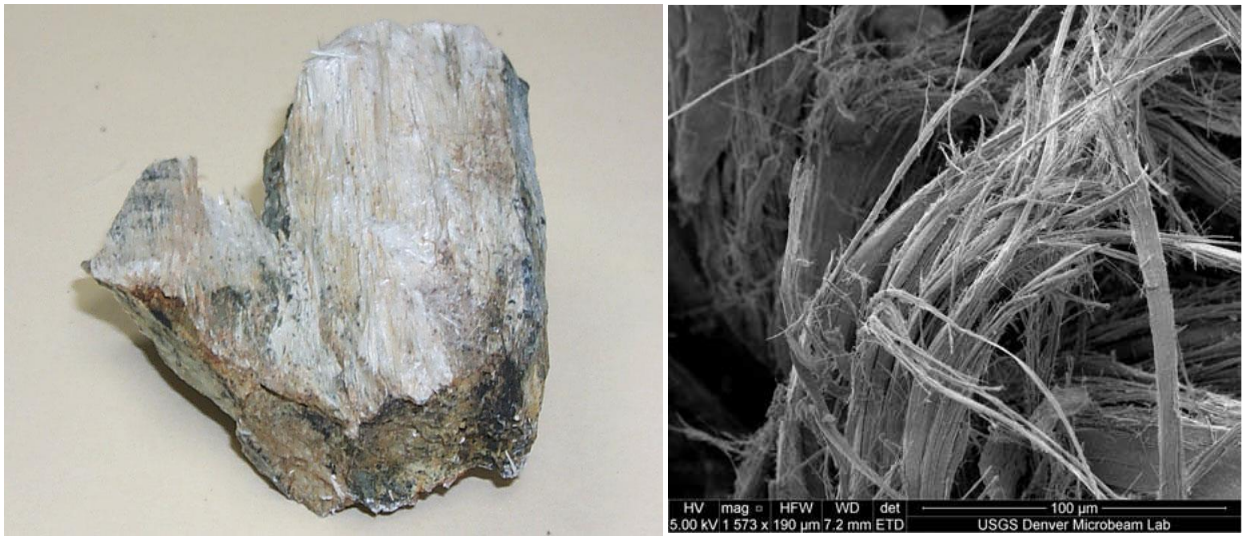
Asbestos occurs naturally in certain geologic settings in California. Most commonly, asbestos occurrences are associated with serpentinite and partially serpentinized ultramafic rocks.

Asbestos is a term used for a group of silicate minerals that occur as asbestiform fibers having high tensile strength, flexibility, and heat and chemical resistance. Asbestos is a known carcinogen and inhalation of asbestos may result in the development of lung cancer or mesothelioma. The asbestos contents of many manufactured products have been regulated in the U.S. for a number of years. For example, the California Air Resources Board (CARB) has regulated the amount of asbestos in crushed serpentinite used in surfacing applications, such as for gravel on unpaved roads, since 1990. In

1998, new concerns were raised about possible health hazards from activities that disturb rocks and soil containing asbestos and may generate asbestos-laden dust. These concerns led CARB to revise their asbestos limit for crushed serpentinite and ultramafic rock in surfacing applications from 5 percent to less than 0.25 percent, and to adopt a new rule requiring best practices dust control measures for activities that disturb rock and soil containing naturally occurring asbestos.

Medical studies have shown there is an association between certain diseases, such as asbestosis, mesothelioma, and lung cancer, and asbestos exposure. Asbestos is classified as a known human carcinogen by State, federal, and international agencies, with all six types of asbestos being considered hazardous. Specific information on the health effects of asbestos can be found in the Toxicological Profile for Asbestos by the U.S. Agency for Toxic Substances and Disease Registry.

Figure R-1. Left Photo: Tremolite-asbestos specimen from California. The white fibrous asbestos is formed within the green to blue, non-asbestiform serpentinite rock in the background (CGS photo). Right Photo: Scanning electron micrograph of fibrous erionite (USGS photo).



R.1.2. Mercury in the Environment

Mercury was mined historically in California and widely used for gold recovery at mines until about 1970. Mercury from historic mercury mines or gold mines has entered a number of watersheds in California. In some watershed environments this mercury may enter the food chain and become a health hazard to animals and humans.

Mercury is a human neurotoxin, with developing fetuses and small children at highest risk. The principal route of human exposure is through consumption of fish contaminated by mercury. Mercury occurs in various forms and compounds in the environment, some of which are not bioavailable. When mercury enters an aquatic environment, by erosion, atmospheric deposition or as the result of human activity, it may convert to methylmercury. Methylmercury is readily taken up by aquatic organisms and tends to concentrate as it moves up the food chain. This process is referred to as biomagnification and can result in high mercury concentrations in predatory fish such as striped bass and sharks, and in fish-eating birds and mammals.

Mercury is present in the environment as a result of both natural processes and human activities. Natural sources of mercury include volcanoes, hot springs, and natural mercury deposits. Sources related to human activities include coal combustion, waste incineration, certain industrial activities, and some mining activities.

Historical mining operations played two roles in California environmental mercury issues today. First, between 1846 and 1981, about 100 million kilograms of mercury were produced within the State. Second, gold mining activities that took place between 1848 and the first part of the 20th century depended upon processes that use mercury. Significant quantities of mercury were lost to the environment during both activities.

Exposure of mineral deposits and mine waste materials to air and water at mining sites and use of ore-processing chemicals at these sites are potential sources of chemical hazards both at the sites and at downstream locations. Because of both the excavation and exposure of mineralized rock and the possible processing of ore, the metal-mining districts and mineralized areas of the State may be a source of elevated concentrations of one or more CAM17 metals.

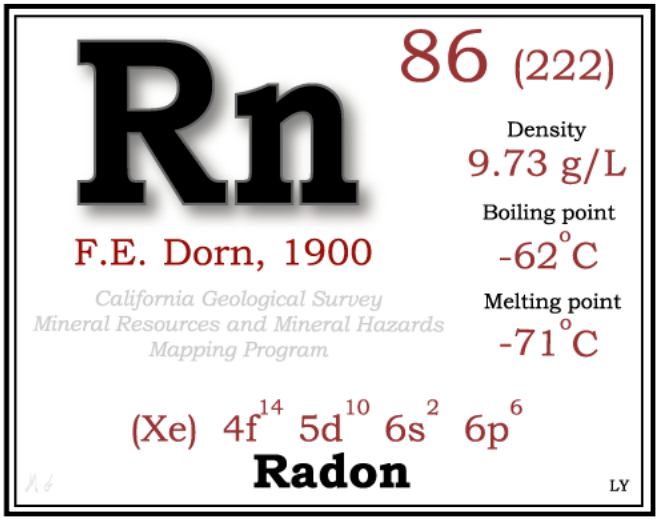
R.1.3. Indoor Radon

In its natural state, radon is an odorless, colorless radioactive gas. Breathing air with elevated levels of radon gas results in an increased risk of developing lung cancer. Not everyone exposed to radon will develop lung cancer, but the U.S. Environmental Protection Agency (EPA) and the National Cancer Institute estimate the annual number of lung cancer deaths in the United States attributable to radon is 21,000.

Figure R-2. Cinnabar. This photograph shows a cinnabar specimen from New Almaden district, Santa Clara County, California. Cinnabar is a mercury sulfide with the chemical formula HgS. It was the main ore of mercury at many California mercury mines. It is characterized by its bright red color. Mercury was recovered by heating the cinnabar and collecting and cooling the mercury vapors that were produced.



The gas forms from the radioactive decay of small amounts of uranium and thorium naturally present in rocks and soils. Some amount of radon exists in all rocks and soils, but some rock types, such as black shales and certain igneous rocks, can have uranium and thorium in amounts higher than is typical for the earth's crust. At these locations, increased amounts of radon will be generated in the subsurface. Because radon is a gas, it can easily move through soil and cracks in building slabs or basement walls and concentrate inside a building. Areas with higher amounts of radon in the underlying rocks and soil are likely to have higher percentages of buildings with indoor radon levels in excess of U.S. EPA guidelines.



Radon is the only naturally occurring radioactive gas and is the heaviest of all the elements that occur as gasses at room temperature and pressure conditions. Radon is one of several intermediate radioactive elements formed during the radioactive decay of uranium-238, uranium-235 or thorium-232 isotopes to form stable, non-radioactive isotopes of lead. Radon-222 is the radon isotope of most concern to public health because it has a much longer half-life (3.8 days) than other radon isotopes (radon-219 at 4 seconds and radon 220 at 55.3 seconds). The longer half-life of radon-222 allows it to migrate farther through the soil, so more radon-222 is usually available to enter buildings than any of the other radon isotopes.

Indoor-radon concentrations are used for determining potential exposure and for identifying buildings that require remedial action. However, it is inhalation of two radon decay products, polonium-218 and polonium-214, that most likely lead to lung cancer. These polonium isotopes have very short half-lives. When they enter the lungs, they attach to lung tissue or trapped dust particles and quickly undergo radioactive decay, emitting high-energy alpha particles that are believed to damage DNA in lung tissue cells, causing cancer (Brookins, 1990). In contrast, most longer-lived radon-222 is exhaled before undergoing radioactive decay.

The average concentration of radon in American homes is about 1.3 picocuries per liter (EPA, 2016) and the average concentration in outdoor air is about 0.4 picocuries per liter. The U.S. EPA recommends that individuals avoid long-term exposures to radon concentrations greater than 4.0 picocuries per liter. The only way to know what the radon level is in a building or home is to test the air. Fortunately, radon testing is relatively simple and inexpensive.

Figure R-3. Radon Detectors. This photograph shows two types of inexpensive indoor radon level detectors. Short-term detectors (a) use activated charcoal to adsorb radon from the air and are typically used for tests of two to seven days duration. Long-term alpha-track detectors (b) consist of a piece of special plastic inside a container. They are typically used for tests of 91 days or more. When enough collection time has passed, detectors are sent to special laboratories for analysis.



R.1.4. Other Mineral Hazards

This category includes rock units with natural background concentrations of various metals and a few elements classified as metalloids, which are listed under the term "metals". These metals are known, or suspected, to be harmful to human health or the environment when in elevated concentrations. Included in this category are the 17 metals regulated under State law that pertains to hazardous waste materials (Title 22, Chapter 11, Article 3, Section 66261.24, Table II of the California Code of Regulations (CCR) (California Office of Administrative Law (OAL), 2015). These 17 metals are considered hazardous waste when concentrations of any of these metals equal or exceed threshold values. Equal to or greater than these values, such metals may pose significant health risks to humans or harm to the environment. As a group, these 17 metals historically have been referred to as the CAM17 list. Each metal has threshold concentration values established in the CCR, and the U.S. Agency for Toxic Substances and Disease Registry (ATSDR 2023a) lists potential health effects of individual metals. The threshold values are placed in two categories: Soluble Threshold Limit Concentration (STLC), in milligrams per liter (mg/L), and Total Threshold Limit Concentration (TTLC), in milligrams per kilogram (mg/kg). The CAM17 metals, with their threshold limit concentrations, are shown in Table R-1

Table R-1. Threshold Values of Metals Listed in CCR Regulations Pertinent to Hazardous Waste

Metal	STLC*(mg/L)	TTLC** (mg/kg)
Antimony (Sb)	15	500
Arsenic (As)	5	500
Barium (Ba)	100	10,000
Beryllium (Be)	0.75	75
Cadmium (Cd)	1	100
Chromium (Cr)	Cr^{+3}=560; Cr^{+6}=5	Cr^{+3}=2,500; Cr^{+6}=500
Cobalt (Co)	80	8,000
Copper (Cu)	25	2,500
Lead (Pb)	5	1,000
Mercury (Hg)	0.2	20
Molybdenum (Mo)	350	3,500
Nickel (Ni)	20	2,000
Selenium (Se)	1	100
Silver (Ag)	5	500
Thallium (Tl)	7	700
Vanadium (V)	24	2,400
Zinc (Zn)	250	5,000

*STLC – soluble threshold limit concentration (amount of an analyte that is soluble as determined by a specified leachate analysis).

**TTLC – total threshold limit concentration (total concentration of an analyte in a sample).

The natural abundance of CAM17 metals in bedrock that results from "common or typical" geologic processes is referred to as "background" concentration. Background concentrations of metals within a given bedrock unit are generally (but not always) expected to fall within a "likely" range of values no matter where in the State the unit is located. This definition excludes anomalous concentrations of metals that result from rare geologic processes such as economically recoverable metals formed by hydrothermal activity or human activity. Anomalous concentrations of metals caused by human activity include current or historical industrial and agricultural activities, mine waste, placement of contaminated fill, and illegal dumping.

Some of the CAM17 metals are typically present in elevated concentrations within ore deposits and other mineralized areas within certain types of bedrock. Others can be more widely distributed as elevated background concentrations within different types or horizons of soil. These metals may also be present locally within regional areas of unconsolidated and weakly consolidated sediments, sediments along streams and dry washes, and landslide deposits. Rock types where these metals may be present are a variety of metamorphic-, igneous-, and sedimentary-rock units, particularly serpentinite

and ultramafic rocks. Playas and other lacustrine deposits in the arid regions of eastern California are sometimes sources of windblown dust that may contain elements such as arsenic, which can be a health hazard. Organic-rich or phosphatic-rich metamorphosed sedimentary rocks may contain elevated amounts of cadmium, selenium, and possibly other CAM17 metals in addition to uranium, which is a radioactive element. Manganese oxides occur in the natural environment, these elements are of note because they assist the oxidation of chromium-3 to chromium-6, a toxic form.

R.2. ASSESSMENT OF MINERAL HAZARD VULNERABILITY

The impact of natural mineral hazards depends on the level of exposure of human life and the environment to the mineral. Since the 1990s, CGS has conducted many studies of mineral hazards in California in response to an increasing number of requests from government agencies, private industry, and the public. These studies have focused mostly on naturally occurring asbestos, radon, and various metals, such as mercury and cadmium. The mineral hazard maps and companion reports produced from these studies are typically at statewide and regional scales. They are designed for use by non-geoscientists and geoscientists to educate these groups about mineral hazards and to help in mitigation of those hazards. These products indicate the likelihood of the occurrence of a mineral hazard at a given location, but not the associated health risks. Information can be found on the CGS website.

R.2.1. Assessment of Asbestos Hazards

The term "asbestos" is used to identify a group of six commercially important silicate minerals that exhibit fibrous or asbestiform appearance. These minerals include the serpentine mineral chrysotile, and the amphibole minerals crocidolite (fibrous riebeckite), amosite (fibrous cummingtonite-grunerite), tremolite, actinolite, and anthophyllite. "Naturally occurring asbestos" (NOA) is the term applied to the natural geologic occurrence of any of these six types of asbestos.

Serpentine is a group of minerals (antigorite, lizardite, and chrysotile), although the same name is commonly used for the rock. Serpentinite is a metamorphic rock composed of one or more of the serpentine group minerals. In California, extensive areas of serpentinite and partially serpentinized ultramafic rock are the dominant rock types that contain NOA. Chrysotile, a member of the serpentine mineral group, is the most common asbestos mineral in California and is typically found in ultramafic rocks and their metamorphosed equivalent, serpentinite.

To a lesser extent, other geologic settings contain NOA in the form of amphibole asbestos. They are much less common in California but may be present where physical and chemical conditions were favorable for their formation. Examples include metamorphosed igneous rocks, particularly those of mafic composition, and talc deposits. Fault and shear zones in these geologic settings can also serve as favorable environments for additional concentrations of NOA. Nearly all of California's 58 counties have reported occurrences of NOA or ultramafic rock/serpentinite (Higgins, et al., 2016). Table R-2 lists NOA and other fibrous minerals. Figure R-4 is a photograph of serpentinite occurrence in a fault.

Table R-2. NOA and Other Fibrous Minerals

NOA includes:	Other fibrous minerals include:
Chrysotile (a serpentine mineral)	Erionite (a zeolite)
Asbestiform amphibole minerals: Actinolite Amosite (cummingtonite-grunerite) Anthophyllite Crocidolite (riebeckite) Tremolite	Mordenite (a zeolite) Glaucophane (an amphibole) Winchite (an amphibole) Richterite (an amphibole)

Figure R-4. Serpentinite in a Fault Along US Highway 101 (Chris T. Higgins photo)



The regulation of asbestos initially resulted from concern over the health and safety of workers subject to occupational exposure to asbestos. The industries involved with the mining, milling, manufacturing, and installation of asbestos products were the focus of this initial concern.

A discussion of the requirements for worker health and safety related to potential exposure to asbestos (U.S. Department of Labor, 1995, CFR, Title 29--Labor, parts 1900-1910) is beyond the scope of this document. In California, the California Department of Industrial Relations, Division of Occupational Safety and Health (DOSH, or Cal/OSHA) administer these regulations.

CGS provides information on the geology of asbestos occurrences in California, and has developed Guidelines for Geologic Investigations of Naturally Occurring Asbestos in California (PDF) to assist geologists conducting investigations related to NOA.

Examples of CGS asbestos hazards projects include:

- Assisting the U.S. Geological Survey (USGS) with a research program to evaluate the feasibility of using AVRIS data for identifying areas containing naturally occurring asbestos (currently in progress).
- Development of a generalized map of areas more likely to contain asbestos in California.
- Undertaking a pilot mapping project to produce a map of areas more likely to contain asbestos for El Dorado County.
- Participation on the El Dorado County asbestos committee and contributing to that committee's White Paper and Final Report.

CGS Asbestos Reports, Maps, and Guidelines for Geologic Investigations

- Map Sheet 59: Reported Historic Asbestos Mines, Historic Asbestos Prospects, and other Natural Occurrences of Asbestos in California (PDF; 79 MB)
- Map Sheet 59 – Pamphlet (PDF; 3 MB)
- Asbestos Sites (PDF) and Asbestos Sites (Excel)
- Death Valley Talc (PDF) and Death Valley Talc (Excel)
- Fibrous Amphiboles (PDF) and Fibrous Amphiboles (Excel)
- Asbestos References (PDF) and Asbestos References (Excel)

- Special Report 190: Relative Likelihood for the Presence of Naturally Occurring Asbestos in Placer County, California
- Special Report 192: Relative Likelihood for the Presence of Naturally Occurring Asbestos in Eastern Sacramento County, California
- Geologic Hazards Investigation 2004-01: Preliminary Report on Using Imaging Spectroscopy to Map Ultramafic Rocks, Serpentinites, and Tremolite-Actinolite-Bearing Rocks in California
- Special Publication 124: Guidelines for Geologic Investigations of Naturally Occurring Asbestos in California (PDF).
- Open-File Report 2000-19: A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos, 2000, Map scale 1:1,100,000 (PDF).
- Open File Report 2000-02: Areas More Likely to Contain Natural Occurrences of Asbestos in Western El Dorado County, California, 2000

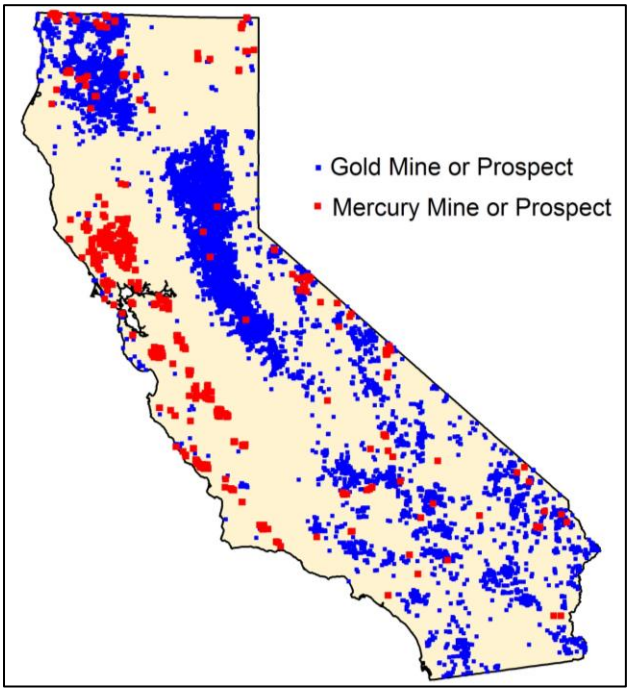
R.2.2. Assessment of Mercury Hazards

Mercury is a human health concern because it is a neurotoxin. Human exposure to organic mercury can result in long-lasting health effects, especially if it occurs during fetal development. In addition, scientists have linked mercury poisoning to nervous system, kidney and liver damage, and impaired childhood development. Nervous system disorders that can develop include impaired vision, speech, hearing, and coordination.

Mercury is present in elevated concentrations in many parts of California. Ore deposits of mercury are common in the western part of the State and many of these deposits have been mined. Some of this mercury was shipped to gold mines in other parts of the State for amalgamation. During this ore-processing, some of the mercury was lost and migrated into watersheds. In certain environments, this lost mercury is converted by sulfate-reducing bacteria into a particularly toxic organic compound called methylmercury. The methylmercury is ingested by aquatic organisms and the concentration increases higher in the food chain through a process known as biomagnification. Exposure to methylmercury by humans is predominately through the consumption of fish. Although humans can take in organic mercury through the lungs, mouth or skin, the most likely source of organic mercury in humans is eating contaminated fish and shellfish.

There are six main types of ore-processing known to be associated with mining of metal-bearing ores in California. Because of the use of mercury, the two ore-processing types of most concern are those of amalgamation (use of mercury to recover gold and silver) and distillation (use of heat to recover mercury), which was used at numerous gold mines throughout the State. Figure R-5 shows the location of mercury mines and prospects in California.

Figure R-5. Location of mercury mines or prospects (red dots) where mercury concentrations can be elevated naturally or due to mercury mining, and locations of gold mines or prospects (blue dots) where mercury concentrations can be elevated due to mercury amalgamation of gold.



Amalgamation: This process has been used in California since the 1800's. The main reagent, mercury, is considered a potential hazard today. Although attempts were made to recover spent mercury, some of it was lost at many mine sites, which has impacted associated wetlands and watersheds.

Distillation (Retorting/Roasting): First known to be used in California in the mid-1840's at the New Almaden Mine in Santa Clara County, this process involves heating, or "burning," the ore to volatilize the mercury, which is then recovered by condensation. Because of the inefficiency of this process, much mercury was lost to the atmosphere or left behind as globules at retort and furnace sites. This residue would either remain on the ground surface or migrate downward into the underlying soil.

Exposure of mineral deposits and mine waste materials to air and water at mining sites, and the use of ore-processing chemicals at these sites are potential sources of chemical hazards both at the sites and at downstream locations.

CGS participated with other State and federal government agencies and university research groups in a three-year CALFED research project titled, "An Assessment of Ecological and Human Health Impacts of Mercury in the Bay Delta Watershed." This research project was completed in 2003.

In the research project, CGS was responsible for Task 5C1, "Assessment of the Feasibility of Remediation of Mercury Mine Sources in the Cache Creek Watershed." The CGS study investigated mine sites in the Sulphur Creek mining district within the Cache Creek watershed. It identified the mine site materials present at each site and estimated their volumes and mercury contents and estimated offsite mercury transport. The study also estimated regional mercury background concentrations and contributions from background and other non-mine site mercury sources to the Cache Creek watershed mercury loads.

Additional information about the report and mercury in the environment can be found on the CGS website.

R.2.3. Assessment of Radon Hazards

Radon is a naturally occurring radioactive gas that is invisible, tasteless, and odorless. It forms from the radioactive decay of small amounts of uranium and thorium naturally present in rocks and soils. Small but varying amounts of uranium are present in all rocks and soil; consequently, radon is naturally present everywhere in the environment, in rock, soil, water, and air. Radon concentrations within these materials can vary significantly. Some rock types, such as organic-rich shales, some granitic rocks, and silica-rich volcanic rocks, may have uranium and thorium in concentrations greater than is typical for the earth's crust. At these locations, increased amounts of radon will be generated in the subsurface. Because of the diverse and complex geology of the State, there are areas, mostly associated with certain sedimentary and granitic rocks in the central and southern parts of the State, that may have a greater potential for elevated radon concentrations (Higgins, et al., 2016).

Outdoor air generally has lower radon concentrations because radon entering the atmosphere from rock, soil, and water is rapidly diluted. Radon can, however, become concentrated, sometimes to high levels, in air in enclosed spaces such as

building, mines, and caves. Long-term exposure to air with elevated radon concentrations increases an individual's lung-cancer risk. Radon is the number one cause of lung cancer among non-smokers, according to U.S. EPA estimates. Overall, radon is the second leading cause of lung cancer. According to the U.S. EPA, radon is responsible for about 21,000 lung cancer deaths every year.

Because radon is a gas, it can easily move through rock and soil and cracks in building slabs or basement walls and concentrate inside a building. The presence of radon can only be detected by chemical or radiation-measuring techniques. Areas with higher amounts of radon in the underlying rocks and soil are likely to have higher percentages of buildings with elevated indoor radon levels. Indoor-radon concentrations are typically higher in ground-floor rooms, and highest in basements, where air circulation if often poor. Homes with basements tend to have increased incidence of indoor-radon concentrations exceeding the U.S. EPA action level of 4.0 picocuries per liter.

Radon gas readily moves through rock and soil along micro-fractures and interconnected pore spaces between mineral grains. Radon can also enter a building in water from private wells. All groundwater contains some dissolved radon gas. The travel time of water from an aquifer to a home supplied by a private well is usually too short for much radon decay, so radon is available to be released in the house during water usage, for example through use of a bathroom shower. However, normal water usage typically adds only about 1.0 picocuries per liter of radon to indoor air per 10,000 picocuries per liter of radon in water (Grammer and Burkhart, 2004).

The average indoor-radon concentration in American homes is about 1.3 picocuries per liter (EPA, 2016) and the average outdoor air radon concentration is about 0.4 picocuries per liter. The U.S. EPA recommends that individuals avoid long-term exposures to radon concentrations greater than 4.0 picocuries per liter. The following U.S. EPA and California Department of Public Health (CDPH) websites have more information about radon, related health issues, testing, and remediation:

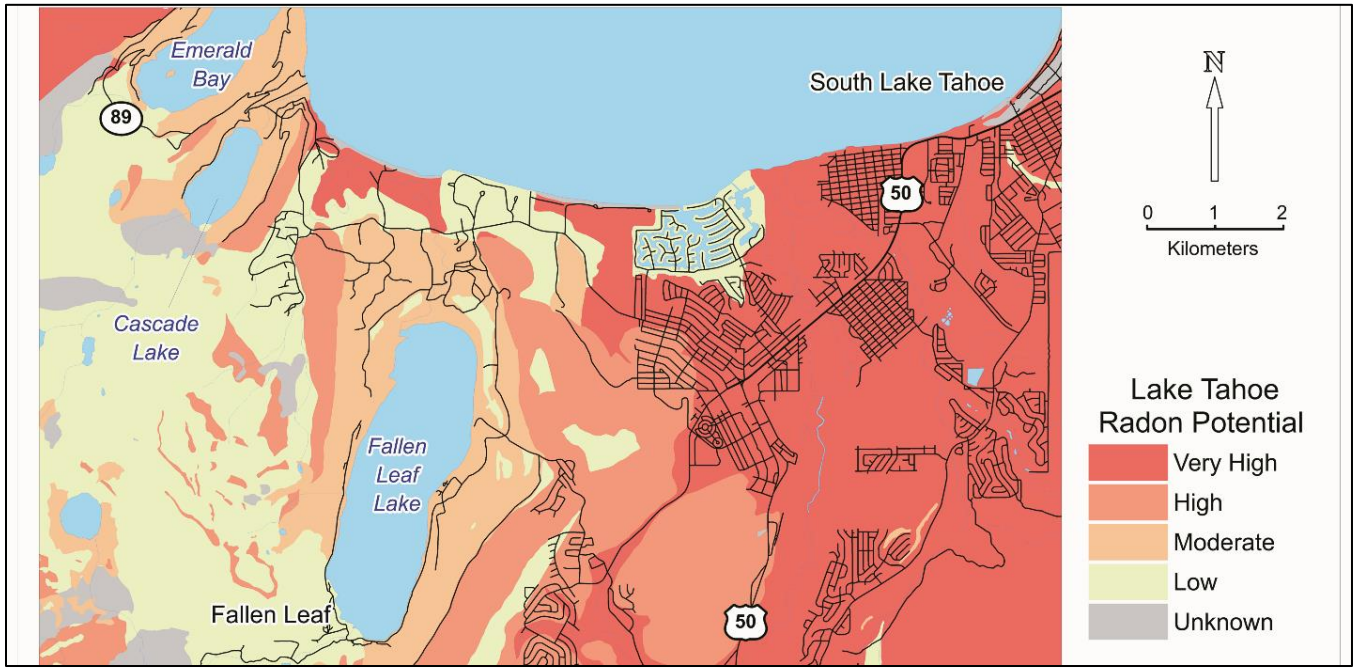
- https://www.epa.gov/radon
- https://www.epa.gov/sites/default/files/2016-12/documents/2016_a_citizens_guide_to_radon.pdf
  https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/EMB/Radon/Radon.aspx

The California Department of Public Health Indoor Radon Program

The California Department of Public Health (CDPH) Indoor Radon Program collects radon test data for buildings throughout the State and maintains a radon database of test results.

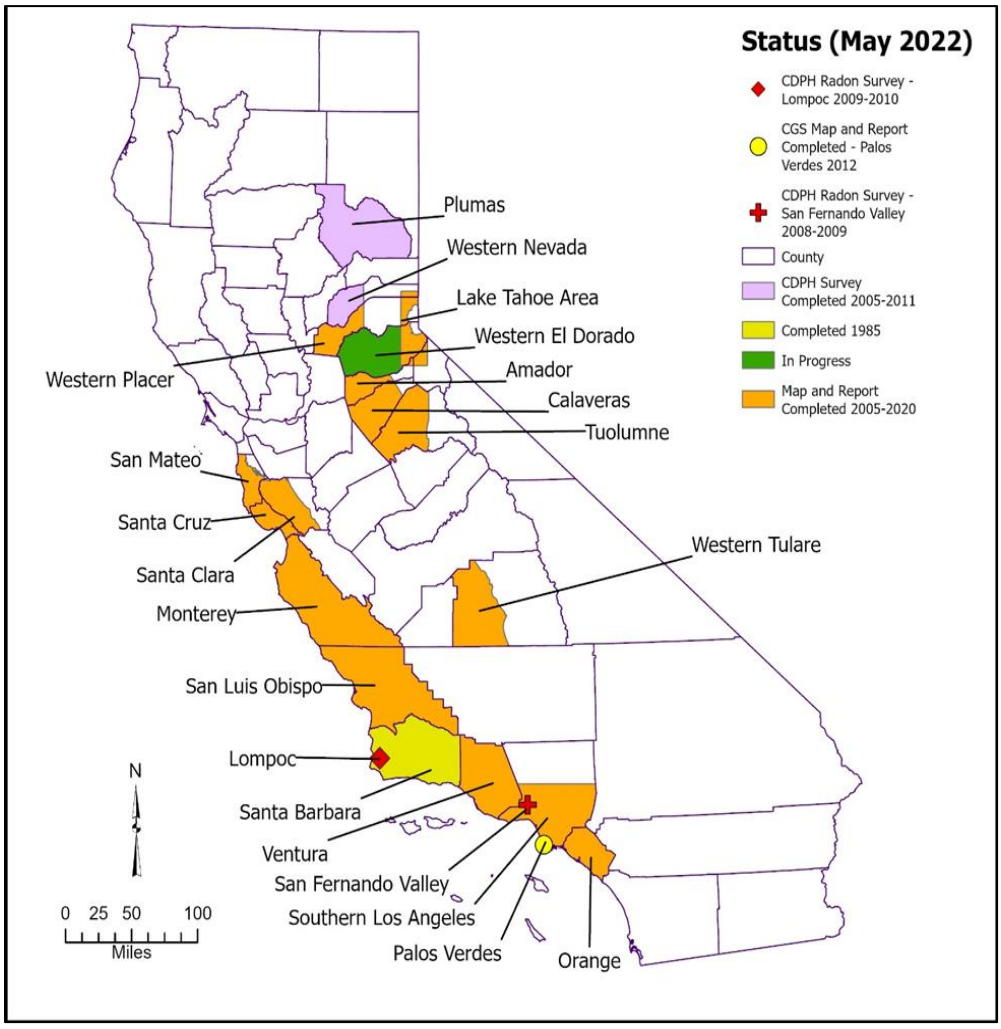
CDPH uses this database to identify areas with excessive indoor radon levels, areas that may need testing, and to inform the public of the results. Maps that accurately predict indoor-radon concentrations in specific homes and buildings are not possible because comprehensive characterization of the many variables involved is impossible. Development of maps that show "radon potential" is possible. Radon-potential maps identify areas where geologic and soil characteristics are more likely to cause buildings to exceed the U.S. EPA radon action level. CGS prepares radon-potential maps and reports to identify areas with indoor-radon potential. These maps and reports help the CDPH Indoor Radon Program serve the public and manage the health risks of indoor radon. Figure R-6 illustrates the radon potential of the Lake Tahoe area. Figure R-7 shows the status of CGS radon-potential mapping in California. The maps and reports, as well as an interactive indoor radon potential web map, are available on the CGS website.

Figure R-6. Lake Tahoe Radon Potential



Source: (CGS 2009)

Figure R-7. Status of Radon Program Surveys and CGS Radon Mapping



Source: (California Department of Conservation n.d.)

Radon Maps and Reports

Links are available on the CGS website to the following maps and reports:

- Indoor Radon Potential interactive web map – This map shows areas in California where CGS has completed studies for indoor radon potential
- Geologic Controls on the Distribution of Radon in California, 1991
- Radon Mapping in Santa Barbara and Ventura Counties, article from Nov/Dec 1997 California Geology magazine
- Radon Zone Map for Santa Barbara County
- Special Report 182: Radon Potential in Southern Los Angeles County

- SR 182, Plate 1: Radon Potential Zone Map for Southern Los Angeles County, California
- Special Report 194: Radon Potential in Ventura County, California
- SR 194, Plate 1: Radon Potential Zone Map for Ventura County, California
- Special Report 201: Radon Potential in Monterey County, California
- SR 201, Plate 1: Radon Potential Zone Map for Western Monterey County, California
- SR 201, Plate 2: Radon Potential Zone Map for Eastern Monterey County, California
- Special Report 208: Radon Potential in San Luis Obispo County, California
- SR 208, Plate 1: Radon Potential Zone Map for Western San Luis Obispo County, California
- SR 208, Plate 2: Radon Potential Zone Map for Eastern San Luis Obispo County, California
- Special Report 211: Radon Potential in the Lake Tahoe Area, California
- SR 211, Plate 1: Radon Potential Zone Map for the Lake Tahoe Area, California
- Special Report 216: Radon Potential in Santa Cruz County, California
- SR 216, Plate 1: Radon Potential Zone Map for Santa Cruz County, California
- Special Report 224: Radon Potential in the Palos Verdes Area, California
- SR 224, Plate 1: Radon Potential Zone Map for Palos Verdes Area, California
- Special Report 226: Radon Potential in San Mateo County, California
- SR 226, Plate 1: Radon Potential Zone Map for San Mateo County, California
- Special Report 232: Radon Potential in Orange County, California
- SR 232, Plate 1: Radon Potential Zone Map for Orange County, California
- Special Report 238: Radon Potential in Western Tulare County, California
- SR 238, Plate 1: Radon Potential Zone Map for Western Tulare County, California
- Special Report 242: Radon Potential in Amador, Calaveras and Tuolumne Counties, California
- SR 242, Plate 1: Radon Potential Zone Map for Amador, Calaveras and Tuolumne Counties, California

- Special Report 244: Radon Potential in Western Santa Clara County, California
- SR 244, Plate 1: Radon Potential Zone Map for Western Santa Clara County, California
- Special Report 246: Radon Potential in Western Placer County, California
- SR 246, Plate 1: Radon Potential Zone Map for Western Placer County, California

R.2.4. Assessment of Other Mineral Hazards

Some rock units in California have naturally elevated background concentrations of metals that may, in places, be high enough to be of concern. Examples include cadmium and selenium in certain organic- and phosphate-rich marine sedimentary rocks of the Coast Ranges. Such rock was found to be the primary source of selenium that was ultimately transported to a wildlife refuge where it caused deformities in waterfowl. The State is also host to thousands of metallic mineral deposits, particularly in its widespread igneous and metamorphic terranes. Although these deposits are dominantly small to medium in size, many contain high concentrations of sulfide minerals. Those in areas of temperate to humid climates have potential for acid rock drainage, which may affect groundwater or surface waters and mobilize elements of environmental concern.

The risk assessment of mineral hazards involves examining issues related to specific minerals, including environmental fate and transport, determining if sampling is sufficient to characterize contaminants and assessing the exposure of human and environmental receptors.

Current Mineral Hazard Mitigation Efforts

Site-specific environmental and ecological risk assessments are necessary to determine the appropriate mineral hazard mitigation required. These evaluations should consider the site-specific conditions and intended land use.

A preliminary endangerment assessment (PEA) is the first step in determining if the release or natural presence of a hazardous substance presents a risk to human health or the environment. The PEA begins with a human health and ecological screening evaluations. More information can be found on the California Department of Toxic Substances Control (DTSC) and California Regional Water Quality Control Boards (RWQCB) websites.

R.2.5. Mitigation of Naturally Occurring Asbestos Hazards

Asbestos emissions in California are regulated at the federal, State, and local levels. In addition to the six regulated asbestos minerals, many other minerals sometimes crystallize in the fibrous habit. Examples include brucite, antigorite, erionite, talc, tourmaline, and winchite.

The regulated asbestos minerals and erionite are known carcinogens, while asbestos also causes asbestosis, a disease of the lungs (U.S. Agency for Toxic Substances and Disease Registry, 2001). Erionite is a known carcinogen although it is not regulated at this time. CARB has implemented regulations to protect the public from exposure to NOA (CARB 2023). Specific regulations apply to dust emissions from various activities, such as construction, excavation, and mining, as well as restricting the use of NOA-bearing aggregate for surfacing applications, such as on unpaved roads. These regulations are enforced by State and local agencies.

Because exposure to airborne asbestos may cause certain diseases (e.g., lung cancer, mesothelioma, asbestosis), NOA is regulated by CARB. Regulations are intended to protect public health and safety through proper monitoring and practices. Issues related to NOA are important for several reasons including, but not limited to, compliance with regulations, worker and public safety, disposal of hazardous materials, and public relations. Laboratory testing is necessary to verify the presence of NOA.

Separately, DTSC has published Interim Guidance for Naturally Occurring Asbestos at School Sites which provides strategies for environmental assessment, investigation, mitigation, and long-term maintenance at school sites where NOA is of concern.

R.2.6. Mitigation of Mercury Hazards

DTSC is responsible for the oversight and hazard assessment of mine and prospect sites. The following information about hazard assessment is excerpted from the DTSC website:

- The hazard assessment typically begins with a site investigation (a preliminary endangerment assessment) to determine the nature and extent of contamination resulting from past mining activities. This includes identifying:
  - Hazardous substances such as arsenic, mercury, lead, and other metals, and acid mine drainage.
  - Sources such as mill tailings, waste rock, and milling and processing areas.

  - Affected media and pathways, such as soil and sediments, surface water, groundwater, and air.
  - Potential human and ecological receptors.
- Remediation options vary depending on the extent, volume, and concentration of the hazardous substance; the affected media and pathway; and the threat to humans and the environment based on the current or future land use (e.g., recreational, commercial, or residential use). Typical remedies used to address sites include source removal, encapsulation, and treatment. Because of site variables, the cost and length of remediation can vary widely. Remedies involving water treatment and waste encapsulation require long-term, often indefinite, operation and maintenance activities. Remedies are often supplemented by institutional controls that minimize the potential for human exposure. These controls include administrative or legal controls, such as land use covenants, which restrict land uses; and soil management plans, which describe how affected soil and mine waste are to be managed on sites.

The Abandoned Mine Lands Site Discovery Process explains how abandoned mine land (AML) sites are identified and brought under DTSC's and the AML Initiative Team's oversight.

The Abandoned Mine Lands Preliminary Assessment Handbook provides guidance for conducting site assessments for AML.

R.2.7. Mitigation of Radon Hazards

The only way to know what the radon level is in a building or home is to test the air. Homes can be tested for radon using inexpensive and easy to use test kits, or by hiring a certified radon tester to measure the radon concentration in the home. The most common indoor-radon testing methods utilize either charcoal (for 2- to 3-day short-term tests) or alpha-track type detectors (for 90-day to one-year long tests). These tests are simple to perform, inexpensive, and homeowners can do this testing. To perform the test, homeowners expose the radon detector following manufacturer instructions and then mail it to a laboratory for analysis, which is included in the detector cost. The CDPH Indoor Radon Program maintains lists of currently certified radon testers, mitigators, and laboratories on its website:

- https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/EMB/Radon/Certified-Radon-Services-Providers.aspx

Radon mitigation can range from simple to complex. Passive or forced air ventilation may work to reduce radon levels in many instances; other more complex and more expensive methods of ventilation (i.e., sub-slab suction and wall-in-pipe or baseboard drains) may be necessary to reduce radon levels to acceptable limits (Brookins, 1990). Those considering new home construction, particularly at sites within a moderate or high radon potential zone, should consider radon resistant new construction practices. Post construction radon mitigation is possible, if necessary, but will be more expensive than the cost of adding radon reducing features during construction. Solutions for reducing indoor-radon levels by installing depressurization systems are described on the CDPH website:

- https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/EMB/Radon/Radon-Fix.aspx

R.2.8. Mitigation of Other Mineral Hazards

The DTSC Site Mitigation and Restoration Program and the nine California RWQCB Site Cleanup Program are the public agencies with the legal authority and responsibility for oversight and assessment of sites where recent or historical hazardous substance releases have occurred. Because the various methods for cleanup and abatement are site dependent no specific methods will be discussed in this document.

Appendix S. **Summary Information on California Dams**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

S. SUMMARY INFORMATION ON CALIFORNIA DAMS

The information in the table below reflects dam inventory data as it appears in the National Inventory of Dams database, including any missing data (NID 2023).

Table S-1. California Dams in Poor, Unsatisfactory, or Fair Condition

	Dam Number	Dam Name	Dam Owner	Condition	County	Year Built	Hazard
1	7000.143	Double U Fish Ranch	Ronald W. Ketler	Un-satisfactory	Modoc		High
2	1.058	Castaic	California Department of Water Resources (DWR)	Poor	Los Angeles	1973	Extremely High
3	1.085	Bass Lake	California Department of Fish and Wildlife (CDFW)	Poor	Siskiyou	1949	Low
4	6.026	Tinemaha	City of Los Angeles Department of Water And Power	Poor	Inyo	1928	High
5	8.003	Lake Hodges	City of San Diego	Poor	San Diego	1918	Extremely High
6	8.004	Savage	City of San Diego	Poor	San Diego	1919	Extremely High
7	8.005	Morena	City of San Diego	Poor	San Diego	1912	Extremely High
8	8.007	El Capitan	City of San Diego	Poor	San Diego	1934	Extremely High
9	72.009	Leroy Anderson	Santa Clara Valley Water District	Poor	Santa Clara	1950	Extremely High
10	73.000	Magalia	Paradise Irrigation District	Poor	Butte	1918	High
11	75.000	Santiago Creek	Serrano Water District and Irvine Ranch Water District	Poor	Orange	1933	Extremely High

	Dam Number	Dam Name	Dam Owner	Condition	County	Year Built	Hazard
12	77.000	North Fork	Pacheco Pass Water District	Poor	Santa Clara	1939	High
13	86.000	Matilija	Ventura County Watershed Protection District	Poor	Ventura	1949	Extremely High
14	205.000	Scotia Log Pond	Scotia Community Services District	Poor	Humboldt	1910	High
15	464.000	Williamson No. 1	Macy Mak Chan, Michael Chan, and Melinda Lau	Poor	El Dorado	1926	Significant
16	581.006	Bear Gulch	California Water Service Company	Poor	San Mateo	1896	Extremely High
17	625.000	Selvage #2	Lucky Hereford Ranch	Poor	Santa Clara	1948	Low
18	742.000	Las Tablas Creek	Mechanics Bank	Poor	San Luis Obispo	1961	Low
19	818.002	Lee Lake	Elsinore Valley Municipal Water District	Poor	Riverside	1893	High
20	1005.000	Santa Felicia	United Water Conservation District	Poor	Ventura	1955	Extremely High
21	1129.002	White	Richard Jennings	Poor	Modoc	1918	Low
22	1322.000	Lakewood	Michele Ottmann, Colleen Jaeger, and Max Yurtsan	Poor	Placer	1959	High
23	2220.002	Misselbeck	Igo-Ono Community Services District	Poor	Shasta	1920	High
24	4468.000	Blakely	Walker Land Company, LLC	Poor	El Dorado	1875	Low
25	7000.125	Kelley Hot Spring Fish	Ronald W. Ketler	Poor	Modoc		Significant
26	1.014	Veterans Home	California Department of Veteran Affairs (CalVet)	Fair	Napa	1908	High

	Dam Number	Dam Name	Dam Owner	Condition	County	Year Built	Hazard
27	1.048	Oroville	DWR	Fair	Butte	1968	Extremely High
28	1.062	Patterson	DWR	Fair	Alameda	1962	High
29	1.064	Clifton Court Forebay	DWR	Fair	Contra Costa	1970	Low
30	1.070	Annadel No. 1	California Department of Parks and Recreation (CDPR)	Fair	Sonoma	1956	Extremely High
31	1.093	Dyer	DWR	Fair	Alameda	2011	High
32	6.024	Haiwee	City of Los Angeles Department of Water And Power	Fair	Inyo	1913	High
33	7.003	Conn Creek	City of Napa	Fair	Napa	1946	Extremely High
34	8.000	Barrett	City of San Diego	Fair	San Diego	1922	Extremely High
35	8.012	Murray	City of San Diego	Fair	San Diego	1918	Extremely High
36	9.000	Early Intake	San Francisco Public Utilities Commission	Fair	Tuolumne	1925	Low
37	9.004	Moccasin Lower	San Francisco Public Utilities Commission	Fair	Tuolumne	1930	High
38	9.007	Cherry Valley	San Francisco Public Utilities Commission	Fair	Tuolumne	1956	Extremely High
39	10.010	San Andreas	City and County of San Francisco	Fair	San Mateo	1870	Extremely High
40	10.028	Summit Reservoir	City and County of San Francisco	Fair	San Francisco		Extremely High
41	14.000	Lake Curry	City of Vallejo	Fair	Napa	1926	Extremely High

	Dam Number	Dam Name	Dam Owner	Condition	County	Year Built	Hazard
42	16.002	St. Helena Lower	City of Saint Helena	Fair	Napa	1878	High
43	23.002	Newell	City of Santa Cruz	Fair	Santa Cruz	1960	Extremely High
44	31.002	Lafayette	East Bay Municipal Utility District	Fair	Contra Costa	1929	Extremely High
45	32.029	Santa Anita Debris Basin	Los Angeles County Department Of Public Works	Fair	Los Angeles	1960	Low
46	32.031	Sawpit Debris Basin	Los Angeles County Department Of Public Works	Fair	Los Angeles	1955	Extremely High
47	52.000	Camp Far West	South Sutter Water District	Fair	Yuba	1963	Extremely High
48	53.010	El Dorado Forebay	El Dorado Irrigation District	Fair	El Dorado	1923	High
49	61.018	Scotts Flat	Nevada Irrigation District	Fair	Nevada	1948	Extremely High
50	66.000	Woodward	South San Joaquin Irrigation District	Fair	Stanislaus	1918	High
51	72.003	Calero	Santa Clara Valley Water District	Fair	Santa Clara	1935	Extremely High
52	72.004	Almaden	Santa Clara Valley Water District	Fair	Santa Clara	1936	Extremely High
53	72.005	Guadalupe	Santa Clara Valley Water District	Fair	Santa Clara	1935	Extremely High
54	72.007	Stevens Creek	Santa Clara Valley Water District	Fair	Santa Clara	1935	Extremely High
55	72.008	James J. Lenihan	Santa Clara Valley Water District	Fair	Santa Clara	1953	Extremely High
56	93.003	Lake Almanor	Pacific Gas and Electric Company (PG&E)	Fair	Plumas	1927	Extremely High

	Dam Number	Dam Name	Dam Owner	Condition	County	Year Built	Hazard
57	95.003	Crane Valley Storage	PG&E	Fair	Madera	1910	High
58	95.006	#3 Forebay	PG&E	Fair	Madera	1906	Low
59	97.028	Lake Fordyce	PG&E	Fair	Nevada	1873	Extremely High
60	97.062	Lower Blue Lake	PG&E	Fair	Alpine	1903	Low
61	97.104	Tiger Creek Regulator	PG&E	Fair	Amador	1931	High
62	97.123	McCloud	PG&E	Fair	Shasta	1965	High
63	104.037	Gem Lake	Southern California Edison	Fair	Mono	1917	High
64	180.000	Campbell Lake	Jennifer F. and John W. Menke	Fair	Siskiyou	1929	Low
65	291.000	Lake Buck	Wendy Baroli and Jill S. Heaton	Fair	Sierra	1951	Low
66	453.002	Willow Hill Reservoir	City of Folsom	Fair	Sacramento		High
67	454.000	Blodgett	Waegell Brothers et al.	Fair	Sacramento	1939	Significant
68	458.000	Schneider	Leland Schneider	Fair	Sacramento	1941	Low
69	496.000	Salt Springs Valley	Rock Creek Water District	Fair	Calaveras	1882	High
70	531.000	Upper Twin Lake	Centennial Livestock	Fair	Mono	1905	High
71	531.002	Lower Twin Lake	Centennial Livestock	Fair	Mono	1888	High
72	558.000	Tuolumne Log Pond	The Tuolumne Band of Me-Wuk Indians	Fair	Tuolumne	1912	High
73	567.000	J&T Cattle Company No. 1	J&T Cattle Company	Fair	Stanislaus	2013	Low

	Dam Number	Dam Name	Dam Owner	Condition	County	Year Built	Hazard
74	567.002	J&T Cattle Company No. 2	J&T Cattle Company	Fair	Stanislaus	1980	Low
75	568.000	ConAgra Aerated and Settling Ponds	ConAgra Grocery Products Company, LLC	Fair	Stanislaus		Extremely High
76	630.000	Mill Creek	Lockheed Martin Space Systems Company	Fair	Santa Cruz	1889	High
77	650.000	Silacci	Pete Silacci	Fair	Monterey	1915	Significant
78	800.000	Glen Martin	Highest and Best Use, LLC	Fair	San Bernardino	1950	High
79	805.000	Lake Arrowhead	Arrowhead Lake Association	Fair	San Bernardino	1922	Significant
80	834.000	Lake Wohlford	City of Escondido	Fair	San Diego	1924	Extremely High
81	1002.000	Healdsburg Recreation	County of Sonoma Regional Parks Department	Fair	Sonoma	1953	Low
82	1008.002	San Antonio	Monterey County Water Resources Agency	Fair	Monterey	1965	Extremely High
83	1030.007	Lake Alta	Placer County Water Agency	Fair	Placer	1862	High
84	1044.000	Mt. Woodson	Ramona Municipal Water District	Fair	San Diego	1958	High
85	1065.000	Patterson	Alameda County Water District	Fair	Alameda	1962	Significant
86	1089.000	Mendocino Middle	County of Mendocino	Fair	Mendocino	1908	High
87	1307.000	Hooper No. 2	Hooper Ranch, LLC	Fair	Mendocino		Significant
88	1444.000	Lynch Canyon	Solano Land Trust	Fair	Solano		High
89	1495.000	Forest Meadows	Sierra Golf Management	Fair	Calaveras	1975	Low

	Dam Number	Dam Name	Dam Owner	Condition	County	Year Built	Hazard
90	2016.000	El Centro Water Purification Plant	City of El Centro	Fair	Imperial	1956	High
91	2020.000	Sweetwater Main	Sweetwater Authority	Fair	San Diego	1888	Extremely High
92	2028.000	Vail	Rancho California Water District	Fair	Riverside	1949	Extremely High
93	2029.000	Henderson	Amador Regional Sanitation Authority	Fair	Amador	1923	High
94	2381.000	Mill Pond	Mendocino Railway	Fair	Mendocino	1885	Low
95	3383.000	Codding Reservoir	David Codding	Fair	Mendocino		Low
96	3414.005	Lower Twin Lake	Juliana Mutual Water Company	Fair	Napa	1985	Low
97	3414.006	Upper Twin Lake	Juliana Mutual Water Company	Fair	Napa	1987	Low
98	4416.000	Hudson Vineyards	Hudson Vineyards	Fair	Napa	1983	Significant
99	4469.000	Tallac	Tahoe Keys Property Owners Association	Fair	El Dorado		Low
100	5412.000	Veeder Hills Dam	The Hess Collection Winery	Fair	Napa		Significant
101	5413.000	Araujo Reservoir No. 1	Kerwin Estate, LLC	Fair	Napa	1950	High
102	5413.002	Araujo Reservoir No. 2	Kerwin Estate, LLC	Fair	Napa	1950	High
103	5414.000	Hestan Vineyards Dam	Stanley Cheng	Fair	Napa		High
104	6422.000	Browns Lane	Jackson Family Wines	Fair	Sonoma		High

	Dam Number	Dam Name	Dam Owner	Condition	County	Year Built	Hazard
105	7000.012	Bassett Brown	Brown Estate Vineyards	Fair	Napa	1990	Significant
106	7000.101	Mountain Springs Golf #5	The Tuolumne Band of Me-Wuk Indians	Fair	Tuolumne		Low
107	7000.104	Johnson Ranch	Beckstoffer Vineyards	Fair	Mendocino		High
108	7000.110	Cold Springs Reservoir #1	R.C. Roberts Ranches, LLC	Fair	Lassen		Low
109	7000.119	Redwood Landfill Leachate Impoundment	Waste Management, Inc.	Fair	Marin	1991	Significant
110	7000.121	King Ridge Road	Robert Mann	Fair	Sonoma		Low
111	7000.132	Feliz North Lake	Feliz Creek Ranch, LLC	Fair	Mendocino		Significant
112	7000.138	Upper Settling Basin	Stevens Creek Quarry, Inc.	Fair	Santa Clara		Low
113	7000.144	McVicker Canyon Debris Basin	Riverside County Flood Control and Water Conservation District	Fair	Riverside		Extremely High

Source: (NID 2023)

S.1. REVIEW OF HHPD ACTIONS IN LOCAL HAZARD MITIGATION PLANS

In support of the State's efforts to meet the Federal Emergency Management Agency's (FEMA) High Hazard Potential Dam (HHPD) Planning Requirements (HHPD-6) for Standard State Hazard Mitigation Plans (SHMPs), the planning team reviewed dam-related actions in local hazard mitigation plans (LHMPs) that received FEMA approval for satisfying HHPD Planning Requirements. Table S-2 shows the results of this review.

Table S-2. Summary of HHPD Actions From LHMPs

Action	Mitigation Category
Stanislaus County Hazard Mitigation Plan	
#18—Continue to partner with dam operators to identify projected flood path of travel if total loss of dam occurs.	Preventive
#19—Participate in the Stanislaus County/TID Flood Working Group to develop and approve plans specific to public notification and evacuation.	Emergency Services
#20—Participate in the Mid San Joaquin Regional Flood Management Plan (RFMP) Updates. The RFMP identifies flood management strategies and projects to reduce flood risks and advance ecosystem restoration in the Mid San Joaquin Region, which includes Stanislaus County.	Preventive
#21—Identify structures within the flood path of travel and note impacted properties in database.	Preventive
#22—The County will continue to participate in Emergency Action Plan (EAP) training and exercises. Lessons learned will be reflected in plans developed for dam inundation.	Emergency Services
#23—Promote dam safety awareness each year on May 31 as part of the National Dam Safety Awareness Day campaign, using FEMA templates and background materials coupled with information from the risk assessment.	Public Information
Shasta County Hazard Mitigation Plan	
DF—Create an outreach and education program to notify residents about the emergency services and communication program in place in case of dam failure/overtopping.	Public Information
South Lake Tahoe Hazard Mitigation Plan	
DI-1—Regularly coordinate with dam owners and operators, specifically the El Dorado Irrigation District and the South Tahoe Public Utility District on dam evaluations and inspections, dam rehabilitation activities, emergency action planning and EAP updates, and early warning and notification messaging related to the implementation of the City of South Lake Tahoe EOP procedures.	Preventive/ Emergency Services

Appendix T. **Current State Landslide Hazard Mitigation Efforts**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

T. CURRENT STATE LANDSLIDE HAZARD MITIGATION EFFORTS

T.1. LOCAL GOVERNMENT RESPONSIBILITIES

Managing landslide risk is primarily the responsibility of local governments where planning and building departments serve as lead agencies. Over 80 percent of California cities have landslide/mudslide ordinances, design standards, or guidelines for hillside development. California's Seismic Hazards Mapping Act designates landslide zones wherein cities and counties are required to condition construction permits upon adequate landslide site investigation and agreed-upon mitigation. These efforts have proven effective in reducing losses over the past decades, but not all jurisdictions that face potential landslide hazards have such instruments, nor has zoning of all landslide-prone areas been completed under the State program.

T.2. CALIFORNIA LANDSLIDE HAZARD MAPPING

Since the 1970s, the California Geological Survey (CGS) has produced numerous maps that show landslide features and delineate potential slope-stability problem areas. Preparation of these maps has been episodic, often driven by landslide disasters and subsequent legislative mandates. Many CGS landslide maps and related products have been produced for local or State agencies in response to their specific needs.

California's Landslide Hazard Identification Act established the Landslide Hazard Identification Program (LHIP) in 1986 under the jurisdiction of CGS, which prepared maps of landslide hazards and distributed them to local governments. Since the LHIP terminated by sunset law in 1995, some landslide hazard identification mapping is being conducted under the Seismic Hazards Mapping Act. However, there has been no State program to evaluate or map the types of landslides that cause the most casualties. Although the Alluvial Fan Task Force provided some guidance on where runout could affect developing areas in southern California, the need for a statewide assessment of debris flow potential on hillsides and alluvial fans is not being met. This assessment could include the hazard of post-fire debris flow potential as well as include possible effects due to climate change.

Progress Summary as of 2023: Landslide Hazard Mapping

The California Geological Survey (CGS) has released maps of zones of requiring investigation for seismically induced landslides under the Seismic Hazards Mapping Act since 1997. In addition, CGS has been producing maps of landslides since the 1970s.

CGS is in the process of digitizing maps of landslides. Hundreds of these landslide inventory maps, covering much of coastal California, are now available on the CGS Landslide Inventory Viewer:

http://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=landslides.

The map viewer index includes landslide maps produced over many years and for a variety of purposes. Mapping of landslides reflects the standards of the project and time the map was prepared. The amount of information recorded about each landslide has increased over time, so more information is available for more recently mapped landslides. Updates to the database are continuing, both to include more existing maps and to add current landslides as they occur. The Landslide Inventory Viewer is a work in progress and is being updated continuously as CGS produces new maps, adds more information, and corrects existing maps.

CGS prepares the following types of landslide hazard focused maps:

1. Landslide inventory maps
2. Reported landslide maps database
3. Landslide susceptibility maps
4. Landslides, geology, and geomorphology in California's timber lands
5. Landslide zone maps

For a more detailed discussion on the types of CGS landslide maps, current CGS mapping programs, and the history of CGS landslide mapping, visit: http://www.conservation.ca.gov/cgs/landslides

Maps showing the locations of existing landslides in a community are useful for land use decision-making because they target areas to be avoided or remediated before construction can safely proceed. The maps indicate not only the location, but also activity status and direction of slope movement to provide a better understanding of where landslides are most likely to be triggered, either by winter storms or earthquakes.

Progress Summary as of 2023: Landslide Hazard Mapping (Continued)

Because of the value of landslide maps for hazard mitigation projects, many communities have prepared such maps as part of the safety elements of their general plans or for local hazard mitigation plans (LHMPs). Advanced knowledge of slope instability can help to assure that proper consideration will be included in grading plans and that safe foundations will be constructed. CGS has also built a database showing recently reported landslides, with data sent by government agencies, media, and citizens scientists. The addition of this database furthers the understanding of slope stability for project planning and hazard mitigation. The Reported Landslide Database can be found at: https://cadoc.maps.arcgis.com/apps/webappviewer/index.html?id=bc48ad40e3504134a1fc8f3909659041

Figure T-1 is an example of a landslide inventory map from the CGS landslide map viewer showing boundaries of existing landslides in a portion of the Los Gatos/Highway 17 area. Landslides mapped by CGS and others are shown as colored areas when data is available.

The background yellow-red colors indicate areas of weak rocks and/or steep slopes leading to susceptibility to deep landslides. Darker red as background indicates higher susceptibility. Landslides are color-coded as:

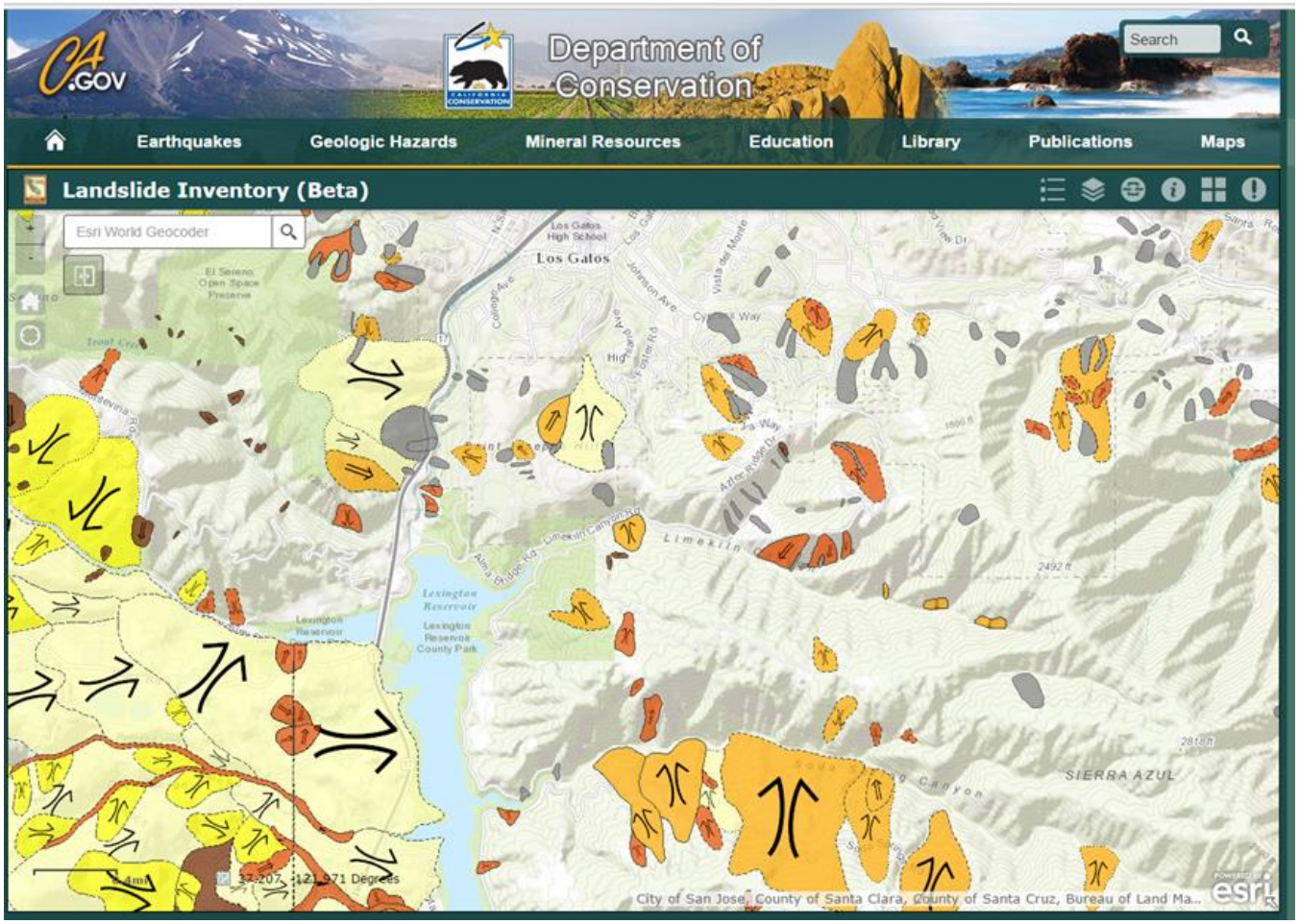
- Brown – Active or Historic Movement
- Orange – Dormant: Some Indication of Historic Movement
- Yellow – Dormant: Old, No Evidence of Historic Movement

Arrows show direction of landslide movement. When using the viewer online, greater detail can be viewed by zooming in.

T.3. LANDSLIDE PREDICTIVE MODELING AND PRELIMINARY SITE ASSESSMENT

Landslide predictive modeling and preliminary site assessment can be vital for identifying hazards and directing mitigation efforts. Regional modeling of burn areas around the State is being conducted by State and federal agencies that respond to post-fire hazards to assess post-fire conditions for risk from debris flows that could affect vulnerable areas. The most recent link to the report detailing these modeling efforts (SR 234) is available at https://maps.conservation.ca.gov/cgs/publications/

Figure T-1. CGS Landslide Inventory Viewer – Showing Los Gatos/Highway 17 Area



Source: (CGS 2015)

Pre-fire modeling of areas across the State prone to wildfire would allow for, at a minimum, the identification of risk areas, emergency planning, and post-fire evacuation warnings. CGS is working on a pilot project to develop a methodology for a future statewide assessment of post-wildfire debris flow risk.

In 2015, CGS prepared a special publication guiding assessment of alluvial fan depositional environments to determine areas that may be impacted by alluvial fan flooding. The publication provides direction for regional planning including:

- Data requirements
- Mapping standards
- Clarification of terminology
- Information for preliminary design

For a copy of this report, contact CGS at: cgspubs@consrv.ca.gov. For more information about U.S. Geological Survey (USGS) assessment of post-fire debris-flow hazards, visit: https://landslides.usgs.gov/hazards/postfire_debrisflow/index.php.

Additional predictive modeling efforts are being explored that incorporate critical geohazard inputs and scenarios. This includes expansion of probabilistic landslide models that can better reflect more realistic geologic and hydrologic parameters. Climate scenario evaluation is an important part of this work to better understand and plan for future landslide vulnerabilities. Predictive modeling for landslides also includes runout modeling to understand how downstream areas may be affected by debris flows. The runout models are important for both fire and non-fire-related debris flow events.

T.4. WATERSHED EMERGENCY RESPONSE TEAM POST-WILDFIRE DEBRIS FLOW AND FLOOD ASSESSMENTS

Following selected wildfires, California, in coordination with federal agencies, deploys Watershed Emergency Response Teams (WERTs) to conduct post-fire assessments. The WERT assessments identify types and locations of threats to life-safety and property (collectively known as "values-at-risk" or VARs) from debris flows, flooding, rockfall, and erosion that are elevated due to wildfire. As part of the WERT assessment, the team develops preliminary emergency protection measures for the identified locations in a detailed report with maps and communicates the findings to responsible emergency management agencies.

WERT post-fire assessments are generally limited to large wildfires that pose significant threat to lives and property from post-fire debris flows and flooding. While similar in some ways to the U.S. Forest Service's Burned Area Emergency Response (BAER) Team assessments, the WERT assessments have less emphasis on natural and cultural resources and only recommend emergency measures for life safety and property protection.

Most wildfires, including small fires, fires located mostly on federal lands, fires in areas with short gentle slopes or low landslide potential, and fires not in proximity to housing developments or other VARs, typically do not require a WERT assessment. Fires greater than 500 acres on U.S. Forest Service lands trigger a separate BAER assessment. WERT assessments are typically established based on the recommendation of the California Department of Forestry and Fire Protection (CAL FIRE) Director, Unit Chief, IMT Incident

Commander, or Unit Forester. A federal disaster declaration or State emergency proclamation may also make WERT deployment more likely.

When making the determination to deploy WERT for post-fire assessment work, the following key factors are considered:

- The presence of life safety-related VARs (e.g., homes, businesses, other infrastructure) downslope and/or downstream of steep hillslopes and catchments burned at moderate to high soil burn severity
- High likelihood of debris flows and flooding based on soil burn severity, topography, geology, and likely rainfall rates
- Historical occurrence of debris flows and flooding during burned and/or unburned conditions
- Presence of transportation networks (e.g., highways, rail lines), water supply systems, power generating plants and conveyance systems, campgrounds, resorts, and other high value sites expected to be at high risk due to post-fire debris flows and flooding
- A high percentage of SRAs included in the fire area

WERT assessments are a collaborative effort between primary agencies and other additional agencies, which require interagency cooperation at the State, federal, and local level. Primary agencies include CAL FIRE, CGS, the California Department of Water Resources (DWR), and the U.S. Geological Survey (USGS). Additional agencies may include the RWQCBs, the Natural Resources Conservation Service (NRCS), and local jurisdictions. CAL FIRE acts as the lead agency coordinating WERT in cooperation with all contact agencies. Specialized personnel with qualifications in engineering geology, civil engineering, hydrology, geographic information systems (GIS), forestry (including fire line safety), and water quality are required to rapidly identify life safety hazards. Which specific agencies are involved in a WERT assessment and the size of the team typically depend on the size and complexity of the fire and post-fire threats. Team size can range from one to 20 individuals. CAL FIRE provides the funding for agency involvement through memorandum of understanding (MOUs) and other pending agreements.

When a WERT assessment is determined to be necessary, the process involves:

- Assembling an interdisciplinary team of engineering geologists, civil engineers, hydrologists, foresters, soil scientists, GIS specialists, and others, as required

- Meeting with county and/or city officials and others with local knowledge of potential high-risk locations within or downstream of the fire area
- Obtaining the satellite-derived burned area reflectance classification (BARC) map indicating preliminary burn severity and field-verify soil burn severity determinations shown on the map
- Submitting the field-verified soil burn severity map to the USGS, allowing their scientists to produce the debris flow model basin and segment probability map using a 15-minute rainfall intensity design storm event. USGS debris flow model results are presented in terms of combined hazard, reflecting both the probability of debris flows and the magnitude of potential debris volume
- Conducting flood modeling and calculating debris volumes for specific watersheds located above identified VARs
- Conducting surface erosion modeling before and after the fire
- Compiling all collected data and modeling results as GIS layers and load them onto tablets and smart phones for field use
- Determining the location of potential VARs within and downstream of fire perimeter
- Field-checking and recording VAR locations digitally as points or polygons and develop preliminary emergency protection measures
- Summarizing VAR information in a detailed Excel table and GIS map format and compiling a draft report documenting the physical setting, methods utilized, modeling results, general and specific observations, and general recommendations
- Conducting a meeting with local emergency response agencies to present the draft report findings and answering questions regarding report information and recommendations
- Following review of the draft report by senior CAL FIRE and CGS staff, the report is finalized and approved by CAL FIRE, posted on CAL FIRE's website, and distributed to local agencies and other contacts made during the field investigation

The field assessment process typically takes between one to two weeks, with additional time required for draft report generation and agency approval. Following completion of the report, a WERT closeout meeting is held with local governments to go over the findings of the WERT field assessment process and the identified VARs.

Once the closeout meeting is completed, the California Governor's Office of Emergency Services (Cal OES) assembles the Post-Fire Watershed Task Force. The Cal OES-led Post-Fire Watershed Task Force coordinates with local county offices of emergency services and other State and federal agencies to facilitate and support implementation of VAR emergency protection measures and mitigation projects.

Typical WERT recommended emergency protection measures include:

- Early warning systems—Issue cell phone warnings using National Weather Service (NWS) flash flood and post-fire debris flow "watch" and "warning" notifications for burned areas based on radar-derived forecasts
- Storm patrols—Monitor road drainage infrastructure during strong storm events
- Structure protection/debris barrier—Install k-rails, sandbags, silt fences, temporary culverts, straw bale check dams, muscle walls, etc., where appropriate
- Debris clearance—Monitor and/or remove debris from debris basins, and from within channels subject to post-fire flooding
- Notification—Post temporary signage in areas of potential hazard
- Closure of high-risk areas—Close areas such as campgrounds during strong storm events
- Emergency Action Plans (EAPs)—Encourage local agencies to develop EAPs for very high-risk VARs potentially impacting large numbers of people
- Improved agency communication--When appropriate, encourage local flood control and public works departments to assist in communicating the high potential and high risk/consequences of post-fire watershed hazards to local emergency management agencies

Where wildfires include both federal and non-federal lands and an assessment is determined to be necessary, WERT and BAER teams work closely and collaboratively to share data and avoid redundant efforts. From 2015 to August 2018, WERT was deployed 16 times, including following the North Bay wildfires in 2017, the Thomas Fire in January 2018, and the Carr Fire and Holy Fire in the summer of 2018. Final WERT reports are posted on the CAL FIRE website.

In many cases, local jurisdictions may be able to obtain funding for some longer-term VAR emergency protection measures or mitigation projects from the Federal Emergency Management Agency (FEMA) Hazard Mitigation Assistance Program

(HMA), either through a Hazard Mitigation Grant Program (HMGP) or Public Assistance (PA) grant. HMGP grants that prioritize shovel-ready wildfire and watershed mitigation projects or other post-wildfire mitigation activities or PA grants that prioritize immediate threat erosion control measures to address post-wildfire soil conditions may be applicable sources of funding for eligible VAR emergency protection measures and mitigation projects by local jurisdictions. Additionally, emergency management agency coordination with NRCS may be appropriate since funding for post-fire recovery measures for exigent work may be available under NRCS' Emergency Watershed Protection Program.

T.5. FLASH FLOOD AND DEBRIS-FLOW DEMONSTRATION EARLY WARNING SYSTEM

In Southern California, USGS has identified the rainfall conditions required to trigger post-wildfire debris flows. Based on that data, the National Oceanic and Atmospheric Administration (NOAA) and USGS have established a demonstration flash flood and debris-flow early warning system for recently burned areas covering eight counties in Southern California.

The early warning system uses the National Weather Service Flash Flood Monitoring and Prediction (FFMP) system. The FFMP system identifies when both flash floods and debris flows are likely to occur based on comparisons between radar precipitation estimates and established rainfall intensity-duration threshold values.

When predicted rainfall rates exceed defined thresholds, the early warning system is triggered to send advisories, watches, and warnings to regional emergency management personnel using the NWS Advanced Weather Information Processing System. This information can then be disseminated to local residents to give warning of potential of landslide risks or evacuation requirements.

This demonstration system improves on former warning systems that were based on local precipitation tracking and were not able to trigger alerts with sufficient lead time for evacuation.

For more information regarding the demonstration early warning system and participating Southern California counties, visit the program web page: https://landslides.usgs.gov/hazards/warningsys.php.

The following link provides information on early warning progress for the NOAA-USGS Flash Flood and Debris Flow Early Warning System:

- https://pubs.usgs.gov/fs/2005/3104/pdf/FS-2005-3104.pdf

While the NOAA-USGS Flash Flood and Debris Flow Early Warning System is a significant effort for the triggering of advisories, watches, and warnings for flash floods and debris flows in southern California, there remains the need for a statewide assessment of risk from pre- and particularly post-wildfire flash flood and debris flows.

CGS was awarded FEMA disaster funds in 2021 (FEMA-4407-DR, https://www.fema.gov/disaster/4407/designated-areas) to conduct a pilot project for the development of a statewide landslide early warning system for post-wildfire flash flood and debris flow risk to vulnerable populations. The pilot project, which will study three separate alluvial fan areas in different geomorphic and climatic regimes across the State, will establish a methodology for a much-needed statewide assessment of post-wildfire debris flow risk and will implement a statewide web-based alluvial fan burn area information management system and monitoring database to enhance the USGS post-wildfire debris flow model. Dedicated resources will be needed to deploy the resulting methodology statewide to provide these critical data to State, federal, and community emergency managers.

Appendix U. **Document Change Log**

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

U. DOCUMENT CHANGE LOG

Table U-1. 2023 California State Hazard Mitigation Plan Change Log

Date of Edit	Edited as Part of Annual Maintenance?	Person Who Made the Edit	Location in Document		Description of Change Made	Identify Standard or Enhanced Plan Element Affected (if any)
			Part/Chapter/ Section/ Appendix	Page Number		
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					
m/d/yyyy	Choose one					

References

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

REFERENCES

NOTE: For sources cited in Appendix K, see the 2018 California State Hazard Mitigation Plan.

ASDSO. 2023. Emergency Action Planning. Association of State Dam Safety Officials. Accessed July 31, 2023. https://damsafety.org/dam-owners/emergency-action-planning.

ATSDR. 2023. Agency for Toxic Substances and Disease Registry. Accessed August 1, 2023. https://www.atsdr.cdc.gov/.

Bildrici, Melike, and Seyit M. Gokmenoglu. 2020. "The impact of terrorism and FDI on environmental pollution: Evidence from Afghanistan, Iraq, Nigeria, Pakistan, Phillipines, Syria, Somalia." Environmental Impact Assessment Review.

BLM. 2022. The Bureau of Land Management. U.S. Bureau of Land Management. Accessed 2022. https://www.blm.gov/.

Brookins, Douglas G. 1990. The Indoor Radon Problem. New York: Columbia University Press, 229 p.

Brundtland Commission. 1987. Our Common Future: Report of the World Commission on Environment and Development. United Nations. Accessed 2022. https://sustainabledevelopment.un.org/content/documents/5987our-common-future.pdf.

CAL FIRE. 2019. Forest Health. Accessed September 29, 2022. https://www.readyforwildfire.org/forest-health/bark-beetle-information/bark-beetle-faqs/.

CAL FIRE. 2022. "Frequently Asked Qustions About: 2022 Fire Hazard Severity Zones." California Department of Forestry and Fire Protection. December. Accessed 2023. https://osfm.fire.ca.gov/media/winfmowp/2022-fhsz-faqs-dec-2022-_final.pdf.

CAL FIRE. 2023a. "Statistics." CAL FIRE. Accessed July 31, 2023. https://www.fire.ca.gov/our-impact/statistics.

CAL FIRE. 2023b. Fire and Resource Assessment Program. California Department of Forestry and Fire Protection. Accessed 2023. https://www.fire.ca.gov/what-we-do/fire-resource-assessment-program.

CAL FIRE. n.d. California Forest Improvement Program. California Department of Forestry and Fire Protection. Accessed 2023. https://www.fire.ca.gov/what-we-do/grants/california-forest-improvement.

Cal OES. 2022. Standardized Emergency Management Systems. Accessed 2022. https://www.caloes.ca.gov/office-of-the-director/operations/planning-preparedness-prevention/planning-preparedness/standardized-emergency-management-system/.

Cal OES. 2023a. 2023 California State Emergency Plan. Accessed July 31, 2023. https://www.caloes.ca.gov/office-of-the-director/operations/planning-preparedness-prevention/planning-preparedness/2023-state-emergency-plan/.

Cal OES. 2023b. Access & Functional Needs. Accessed April 2023. https://www.caloes.ca.gov/office-of-the-director/policy-administration/access-functional-needs/.

Cal OES. 2023c. California Disaster Assistance Act. Accessed July 31, 2023. https://www.caloes.ca.gov/office-of-the-director/operations/recovery-directorate/recovery-operations/public-assistance/california-disaster-assistance-act/.

Cal OES. 2023d. Homeland Security. Accessed July 31, 2023. https://www.caloes.ca.gov/office-of-the-director/operations/homeland-security/.

Cal-Adapt. n.d. Explore and analyze climate data from California's Climate Change Assessments. Accessed 2023. https://cal-adapt.org/.

California Department of Conservation. n.d. Indoor Radon. Accessed 2023. https://www.conservation.ca.gov/cgs/minerals/mineral-hazards/radon#sr247.

California Department of Fish and Wildlife. 2019. California Oil Spill Response Cost Study. Prepared for the California Department of Fish and Wildlife by Catalyst Environmental Solutions, Environmental Research Consulting, and Greene Economics. November 2019.

California Department of Fish and Wildlife. 2022. Science: Wildfire Impacts. Accessed July 10, 2022. https://wildlife.ca.gov/Science-Institute/Wildfire-Impacts.

California Department of Industrial Relations. 2022. Division of Occupational Safety and Health website: http://www.dir.ca.gov/dosh/Asbestos.html (website accessed July 2022).

California Department of Toxic Substances Control. 2022. https://dtsc.ca.gov/assessing-risk/ (website accessed July 2022).

California Department of Toxic Substances Control. 2022. https://dtsc.ca.gov/wp-content/uploads/sites/31/2018/09/SMBRP_POL_Guidance_Schools_NOA.pdf (website accessed July 2022).

California Department of Toxic Substances Control. 2022. https://dtsc.ca.gov/abandoned-mine-lands/ (website accessed July 2022).

California Department of Toxic Substances Control. 2022. https://dtsc.ca.gov/wp-content/uploads/sites/31/2016/01/SMBRP_AML_Guidance.pdf (website accessed July 2022).

California Department of Toxic Substances Control. 2022. https://dtsc.ca.gov/abandoned-mine-lands/#Resources (website accessed July 2022).

California Office of Administrative Law (OAL). 2015. California Code of Regulations: Title 22, Division 4.5, Chapter 11, Article 3, Section 66261.24.

California Office of Environmental Health Hazard Assessment. 2019. Precipitation. Accessed October 18, 2022. https://oehha.ca.gov/epic/changes-climate/precipitation.

California Office of Traffic Safety. 2021. "2021 Annual Report." National Highway Traffic Safety Administration. Accessed September 2, 2022. https://www.nhtsa.gov/sites/nhtsa.gov/files/2022-05/CA_FY2021_AR.pdf.

California Regional Water Quality Control Board. 2022. https://www.waterboards.ca.gov/water_issues/programs/site_cleanup_program/ (website accessed July 2022).

Cap-and-Trade. 2022. California Climate Investments Funded Programs. August. Accessed January 2023. https://ww2.arb.ca.gov/our-work/programs/california-climate-investments/california-climate-investments-funded-programs#footnote3_jo1fr2f.

CARB. 2013. California Almanac of Emissions and Air Quality - 2013 Edition. Accessed July 31, 2023. https://ww2.arb.ca.gov/our-work/programs/resource-center/technical-assistance/air-quality-and-emissions-data/almanac.

CARB. 2022a. Naturally-Occurring Asbestos. California Air Resources Board. https://ww2.arb.ca.gov/our-work/programs/naturally-occurring-asbestos (website accessed May 2022).

CARB. 2022b. Wildfire Smoke & Health. California Air Resources Board. Accessed July 10, 2022. https://ww2.arb.ca.gov/wildfire-smoke-health#:~:text=Health%20problems%20related%20to%20wildfire,asthma%2C%20and%20even%20premature%20death.

CARB. 2023. Health & Air Pollution. Accessed August 1, 2023. https://ww2.arb.ca.gov/resources/health-air-pollution.

Carpenter, Michael, and James W Borchers. 2014. Land Subsidence from Groundwater Use in California. April 5. Accessed August 1, 2023. https://cawaterlibrary.net/document/land-subsidence-from-groundwater-use-in-california/.

CDC. 2020. Disability and Health Overview. September 16. https://www.cdc.gov/ncbddd/disabilityandhealth/disability.html.

CDC. 2020a. Caring for Children in a Disaster. Centers for Disease Control and Prevention. September 1. Accessed April 2023. https://www.cdc.gov/childrenindisasters/index.html.

CDC. 2020b. What is a disability? September 16. Accessed July 31, 2023. https://www.cdc.gov/ncbddd/disabilityandhealth/disability.html.

CDC. 2021. Culture and Language. Centers for Disease Control and Prevention. December 9. https://www.cdc.gov/healthliteracy/culture.html.

CDC. 2022a. At A Glance: CDC/ATSDR Social Vulnerability Index. Centers for Disease Control and Prevention. October 26. Accessed 2022. https://www.atsdr.cdc.gov/placeandhealth/svi/at-a-glance_svi.html#:~:text=Socially%20Vulnerable%20Populations%20include%20those,the%20Census%20collects%20statistical%20data.

CDC. 2022b. Culture and Language. December 27. Accessed July 31, 2023. https://www.cdc.gov/healthliteracy/culture.html.

CDC. n.d. SVI at a Glance. Centers for Disease Control and Prevention. Accessed 2022. https://www.atsdr.cdc.gov/placeandhealth/svi/at-a-glance_svi.html#:~:text=Socially%20Vulnerable%20Populations%20include%20those,the%20Census%20collects%20statistical%20data.

CDPH. 2022a. Indoor Radon Program: Radon. California Department of Public Health. Accessed April 2022 at https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/EMB/Radon/Radon.aspx

CDPH. 2022b. Indoor Radon Program: Radon Testing. California Department of Public Health. Accessed April 2022 at https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/EMB/Radon/Radon-Testing.aspx

CDPH. 2022c. Indoor Radon Program: Radon Testing Results. California Department of Public Health. Accessed April 2022 at https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/EMB/Radon/Radon-Test-Results.aspx

CDPH. 2022d. Indoor Radon Program: Radon Service Providers. California Department of Public Health. Accessed April 2022 at https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/EMB/Radon/Certified-Radon-Services-Providers.aspx

CDPH. 2022e. Indoor Radon Program: Fixng a Radon Problem. California Department of Public Health. Accessed April 2022 at https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/EMB/Radon/Radon-Fix.aspx

CDPH. 2023. Westnile.ca.gov. California Department of Public Health. Accessed July 31, 2023. https://westnile.ca.gov/.

Center for Science Education. 2022. The Greenhouse Effect. University Corporation for Atmospheric Administration. Accessed 2022. https://scied.ucar.edu/learning-zone/how-climate-works/greenhouse-effect.

Center on Budget and Policy Priorities. 2022. Tracking the COVID-19 Economy's Effects on Food, Housing, and Employment Hardships. February 22. Accessed September 13,

2022. https://www.cbpp.org/research/poverty-and-inequality/tracking-the-covid-19-economys-effects-on-food-housing-and.

CGS. 2009. Radon Potential Zone Map for the Lake Tahoe Area, California. California Geological Survey. April. Accessed 2023. https://www.conservation.ca.gov/cgs/Documents/Publications/Special-Reports/SR_211-Radon-Map.pdf.

CGS. 2015. Landslide Inventory and Deep-Seated Landslide Susceptibility. California Geological Survey. Accessed July 31, 2023. https://maps.conservation.ca.gov/cgs/lsi/.

CGS. 2022. Naturally-Occurring Asbestos in California. California Geological Survey. Website accessed April 2022. https://www.conservation.ca.gov/cgs/minerals/mineral-hazards/asbestos

CGS. 2022a. Mercury in the Environment. California Geological Survey. Website accessed April 2022. https://www.conservation.ca.gov/cgs/minerals/mineral-hazards/mercury

CGS. 2022b. Recent Earthquakes. California Geological Survey. Website accessed July 2022. https://www.conservation.ca.gov/cgs/Pages/Index.aspx

CGS. 2022c. Indoor Radon. California Geological Survey. Website accessed April 2022. https://www.conservation.ca.gov/cgs/minerals/mineral-hazards/radon

CISA. 2020. CISA National Cyber Incident Scoring System. Accessed 2022. https://www.cisa.gov/uscert/CISA-National-Cyber-Incident-Scoring-System.

CISA. 2021. Top Routinely Exploited Vulnerabilities. August 20. Accessed August 1, 2023. https://www.cisa.gov/news-events/cybersecurity-advisories/aa21-209a.

CISA. 2023. Electromagnetic Pulse and Geomagnetic Disturbance. Accessed August 1, 2023. https://www.cisa.gov/resources-tools/programs/electromagnetic-pulse-and-geomagnetic-disturbance.

Columbia Mailman School of Public Health. 2021. Epidemic, Endemic, Pandemic: What are the Differences? February 19. Accessed 2022. https://www.publichealth.columbia.edu/public-health-now/news/epidemic-endemic-pandemic-what-are-differences.

Crenshaw, Kimberle. 1989. "Demarginalizing the Intersection of Race and Sex: A Black Feminist Critique of Antidiscrimination Doctrine, Feminist Theory and Antiracist Politics." University of Chicago. Accessed July 31, 2023. https://chicagounbound.uchicago.edu/cgi/viewcontent.cgi?article=1052&context=uclf.

CRMP. n.d. Earthquake Brace + Bolt; Helping California Homeowners Protect Their Home From Earthquake Damage. California Residential Mitigation Program. Accessed 2023. https://www.earthquakebracebolt.com/.

CRSVIZ. 2022. State Profiles. October. Accessed 2022. https://www.crsviz.com/crsviz/state-profiles/.

CVFPB. n.d. Central Valley Flood Protection Plan. State of California Central Valley Flood Protection Board. Accessed 2023. https://cvfpb.ca.gov/cvfpp/.

Deliso, Meredith. 2022. Why California has blackouts: A look at the power grid. September 9. Accessed August 1, 2023. https://abcnews.go.com/US/california-blackouts-power-grid/story?id=89460998.

DGS. n.d. CALGreen. California Department of General Services. Accessed 2023. https://www.dgs.ca.gov/BSC/CALGreen.

DOJ. 2022. The Americans with Disabilities Act (ADA). U.S. Department of Justice Civil Rights Division. Accessed 2022. https://www.ada.gov/.

DOL. 1995. Code of Federal Regulations, Title 29--Labor, parts 1900-1910. U.S. Department of Labor.

DOL. 2022. Legal Highlight: The Civil Rights Act of 1964. U.S. Department of Labor. Accessed 2022. https://www.dol.gov/agencies/oasam/civil-rights-center/statutes/civil-rights-act-of-1964.

Dunbar, Imani. 2021. What We Mean by Equitable Outcomes for the Global Workforce. March 3. Accessed 2022. https://blog.linkedin.com/2021/march/what-we-mean-by-equitable-outcomes-for-the-global-workforce.

DWR. 2020. The National Flood Insurance Program in California: Quick Guide. California Department of Water Resources. https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Flood-Management/Community-Resources/National-Flood-Insurance-Program/Files/CA-NFIP-Quick-Guide-ay11.pdf.

DWR. 2022a. Drought. California Department of Water Resources. Accessed 2022. https://water.ca.gov/drought.

DWR. 2022b. Community Rating System. California Department of Water Resources. Accessed 2022. https://water.ca.gov/Programs/Flood-Management/National-Flood-Insurance-Program/Community-Rating-System.

DWR. 2023. Regional Flood Management Planning. California Department of Water Resources. Accessed 2023. https://water.ca.gov/Programs/Flood-Management/Flood-Planning-and-Studies/Regional-Flood-Management-Planning.

Environmental Finance Center. 2008. What is Green Infrastructure? Syracuse University. November 13. Accessed 2022. https://www.esf.edu/outreach/gi/documents/Environmental_Finance_Center_Brochure.pdf.

Environmental Pollution Centers. 2023. Oil Spill Pollution. Accessed August 1, 2023. https://www.environmentalpollutioncenters.org/oil-spill/.

EPA. 2023. Introduction to Indoor Air Quality. U.S. Environmental Protection Agency. May 16. Accessed August 1, 2023. https://www.epa.gov/indoor-air-quality-iaq/introduction-indoor-air-quality#:~:text=If%20too%20little%20outdoor%20air%20enters%20indoors%2C%20pollutants,and%20out%20may%20have%20higher%20indoor%20pollutant%20levels.

EPA. 2016. A Citizen's Guide to Radon: The guide to protecting yourself and your family from radon, U.S. EPA 402-K-12-002/2016, 16 p. Available at https://www.epa.gov/sites/production/files/2016-12/documents/2016_a_citizens_guide_to_radon.pdf (website accessed July 2022).

EPA. 2022. Ecosystem Services Research. U.S. Environmental Protection Agency. September 14. Accessed 2022. https://www.epa.gov/eco-research/ecosystem-services-research.

EPA. 2022a. Radon website. Accessed July 2022: https://www.epa.gov/radon

ESRI. 2022. What is GIS? Accessed 2022. https://www.esri.com/en-us/what-is-gis/overview.

European Environment Agency. 2022. What is the difference between adaptation and mitigation? Accessed 2022. https://www.eea.europa.eu/help/faq/what-is-the-difference-between.

Federal Register. 2021. Executive Order 13985. January 20. Accessed July 31, 2023. https://www.federalregister.gov/documents/2021/01/25/2021-01753/advancing-racial-equity-and-support-for-underserved-communities-through-the-federal-government.

FEMA. 2000. Disaster Mitigation Act of 2000. Public Law 106-390, Federal Emergency Management Agency. Accessed 2023. https://www.fema.gov/sites/default/files/2020-11/fema_disaster-mitigation-act-of-2000_10-30-2000.pdf.

FEMA. 2004. Building Strong Emergency Preparedness Programs. June. Accessed 2022. https://training.fema.gov/emiweb/downloads/demers%20-%20emap%20em%20accreditation%20program.pdf.

FEMA. 2004a. Federal Guidelines for Dam Safety. Federal Energy Regulatory Commission. April. Accessed 2022. https://www.ferc.gov/sites/default/files/2020-04/fema-148.pdf.

FEMA. 2012. Assessing the Consequences of Dam Failure. March. Accessed 2022. https://damsafety.org/sites/default/files/files/FEMA%20TM%20AssessingtheConsequencesofDamFailure%20March2012.pdf.

FEMA. 2020. Community Lifelines. July 27. Accessed 2022. https://www.fema.gov/emergency-managers/practitioners/lifelines.

FEMA. 2020a. Whole Community. October 6. Accessed 2022. https://www.fema.gov/glossary/whole-community.

FEMA. 2020b. Mission Areas and Core Capabilities. July 20. Accessed 2022. https://www.fema.gov/emergency-managers/national-preparedness/mission-core-capabilities.

FEMA. 2020c. Freeboard. July 8. Accessed 2022. https://www.fema.gov/glossary/freeboard.

FEMA. 2020d. Flood Zones. July 8. Accessed 2022. https://www.fema.gov/glossary/flood-zones.

FEMA. 2020e. Critical Facility. July 7. Accessed 2022. https://www.fema.gov/glossary/critical-facility#:~:text=Typical%20critical%20facilities%20include%20hospitals,alternatives%20and%20floodplain%20management%20plans.

FEMA. 2021. Executive Order 11988 Floodplain Management. October 20. Accessed August 1, 2023. https://www.fema.gov/glossary/executive-order-11988-floodplain-management.

FEMA. 2022. Assistance for Governments and Private Non-Profits After a Disaster. December 2. Accessed 2022. https://www.fema.gov/assistance/public.

FEMA. 2022a. About BRIC: Reducing Risk through Hazard Mitigation. November 1. Accessed 2022. https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities/about.

FEMA. 2022b. Benefit-Cost Analysis. October 12. Accessed 2022. https://www.fema.gov/grants/tools/benefit-cost-analysis.

FEMA. 2022c. Community Rating System. December 14. Accessed 2022. https://www.fema.gov/floodplain-management/community-rating-system#:~:text=The%20Community%20Rating%20System%20(CRS,Over%201%2C500%20communities%20participate%20nationwide.

FEMA. 2022d. Dam Safety. March 16. Accessed 2022. https://www.fema.gov/emergency-managers/risk-management/dam-safety.

FEMA. 2022e. Fire Management Assistance Grants. November 15. Accessed 2022. https://www.fema.gov/assistance/public/fire-management-assistance.

FEMA. 2022f. Flood Insurance. March 9. Accessed 2022. https://www.fema.gov/flood-insurance.

FEMA. 2022g. Flood Mitigation Assistance (FMA) Grant. September 29. https://www.fema.gov/grants/mitigation/floods.

FEMA. 2022h. Hazard Mitigation Assistance Grants. December 20. Accessed 2022. https://www.fema.gov/grants/mitigation.

FEMA. 2022i. Hazard Mitigation Grant Program (HMGP). November 21. Accessed 2022. https://www.fema.gov/grants/mitigation/hazard-mitigation.

FEMA. 2022j. Hazus. June 10. Accessed 2022. https://www.fema.gov/flood-maps/products-tools/hazus.

FEMA. 2022k. How a Disaster Gets Declared. January 4. Accessed 2022. https://www.fema.gov/disaster/how-declared.

FEMA. 2022l. National Risk Index. Accessed 2022. https://hazards.fema.gov/nri/annualized-frequency.

FEMA. 2022m. Programs to Support Disaster Survivors. October 28. Accessed 2022. https://www.fema.gov/assistance/individual/disaster-survivors.

FEMA. 2022n. Rehabilitation Of High Hazard Potential Dam (HHPD) Grant Program. October 18. Accessed 2022. https://www.fema.gov/emergency-managers/risk-management/dam-safety/rehabilitation-high-hazard-potential-dams.

FEMA. 2022p. National Environmental Policy Act. March 2. Accessed August 1, 2023. https://www.fema.gov/emergency-managers/practitioners/environmental-historic/laws/nepa.

FEMA. 2022q. National Risk Index. Accessed 2022. https://hazards.fema.gov/nri/annualized-frequency.

FEMA. 2023. CRS Participating Communities. Accessed July 31, 2023. https://www.fema.gov/floodplain-management/community-rating-system#participating.

FEMA. 2023a. "Declared Disasters." FEMA. Accessed 2023. https://www.fema.gov/disaster/declarations?field_dv2_declaration_date_value%5Bmin%5D=1992&field_dv2_declaration_date_value%5Bmax%5D=2018&field_dv2_declaration_type_value=All&field_dv2_incident_type_target_id_selective=49112&field_dv2_state_territory_triba.

FEMA. 2023b. Nature-Based Solutions. Accessed July 31, 2023. https://www.fema.gov/emergency-managers/risk-management/climate-resilience/nature-based-solutions.

FEMA. 2023c. "State Mitigation Planning." FEMA. April 19. Accessed July 31, 2023. https://www.fema.gov/sites/default/files/documents/fema_state-mitigation-planning-policy-guide_042022.pdf.

FEMA. 2023d. CRS Participating Communities. Accessed July 31, 2023. https://www.fema.gov/floodplain-management/community-rating-system#participating.

FEMA. 2023e. Regulations and Guidance. Federal Emergency Management Agency. Accessed 2023. https://www.fema.gov/emergency-managers/risk-management/hazard-mitigation-planning/regulations-guidance#:~:text=The%20Disaster%20Mitigation%20Act%20of,of%20non%2Demergency%20disaster%20assistance.

FEMA. 2023f. National Incident Management System. Federal Emergency Management Agency. Accessed 2023. https://www.fema.gov/emergency-managers/nims#:~:text=The%20National%20Incident%20Management%20System,to%20and%20recover%20from%20incidents.

FEMA. n.d. Executive Order 11990 - Protection of Wetlands (1 of 2). Federal Emergency Management Agency. Accessed 2023. https://emilms.fema.gov/is_1016/groups/38.html#:~:text=Executive%20Order%2011990%20requires%20minimization,possible%2C%20adverse%20impact%20on%20wetlands.

FEMA. n.d.-a. "Information Sheet: National Disaster Recovery Framework (Second Edition)." Federal Emergency Management Agency. Accessed 2023. https://www.fema.gov/sites/default/files/2020-06/information_sheet_recovery_framework.pdf.

FEMA. n.d.-b. Social Vulnerability. Federal Emergency Management Agency. Accessed 2023. https://hazards.fema.gov/nri/social-vulnerability#:~:text=Social%20vulnerability%20is%20the%20susceptibility,loss%2C%20or%20disruption%20of%20livelihood.

FEMA. n.d.-c. "What Is a Levee?" Accessed 2023. https://www.fema.gov/sites/default/files/2020-08/fema_what-is-a-levee_fact-sheet_0512.pdf.

FEMA. n.d.-d. Community Status Book. Federal Emergency Management Agency. Accessed 2023. https://www.fema.gov/flood-insurance/work-with-nfip/community-status-book.

FERC. 2022. Owners Dam Safety Program (ODSP). June 28. Accessed August 1, 2023. https://www.ferc.gov/dam-safety-and-inspections/owners-dam-safety-program-odsp.

FHWA. 2023. Emergency Relief for Federally Owned Roads (ERFO). Federal Highway Administration. July 31. Accessed August 1, 2023. https://highways.dot.gov/federal-lands/programs/erfo.

Fire Protection Research Foundation. 2022. Environmental Impact of Fires in the Built Environment: Emission Factors. April. Accessed August 10, 2022. https://www.nfpa.org//-/media/Files/News-and-Research/Fire-statistics-and-reports/US-Fire-Problem/RFEmission-Factors.pdf.

Forests and Rangelands. n.d. Previous Wildland Fire Management Initiatives. U.S. Department of Agriculture, U.S. Department of the Interior. Accessed 2023. https://www.forestsandrangelands.gov/resources/overview/#:~:text=The%20National%20Fire%20Plan%20(NFP,firefighting%20capacity%20for%20the%20future.

Gordon. 2015. "Assembly Bill No. 1482." California Legislative Information. October 8. Accessed August 1, 2023. https://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill_id=201520160AB1482.

Graham, E. 2022. "DHS Report Offers Electromagnetic Pulse Protection Measures for Critical Infrastructure." Nextgov. September 7. Accessed 2022. https://www.nextgov.com/it-modernization/2022/09/dhs-report-offers-electromagnetic-pulse-protection-measures-critical-infrastructure/376816/.

Grammer, D., and Burkhart, J.F. 2004. 16-Hour Entry Measurement Course Manual, Western Regional Radon Training Center, University of Colorado, Colorado Springs.

Higgins, C.T., Churchill, R.K., Clinkenbeard, J.P., Downey, C.I., and Fonseca, M.C. 2016. Mapping of potential mineral hazards in California-Protecting public health and safety and the environment, in Wessel, G.R., and Greenberg, J.K., eds., Geoscience for the Public Good and Global Development: Toward a Sustainable Future: Geological Society of America Special Paper 520, p. 251-266, doi: 10.1130/3026.2520(22).

Holtzer, T, and D Galloway. 2005. "Impacts of land subsidence caused by withdrawal of underground fluids in the United States." In Humans as Geologic Agents, by J Ehlen, W Haneburg and R Larson.

Howell, Junia, and James R Elliot. 2018. As Disaster Costs Rise, So Does Inequality. December 4. Accessed July 31, 2023. https://journals.sagepub.com/doi/full/10.1177/2378023118816795.

Howell, Junia, and James R. Elliott. 2018. Damages Done: The Longitudinal Impacts of Natural Hazards on Wealth Inequality in the United States. August 14. Accessed November 17, 2022. https://academic.oup.com/socpro/article-abstract/66/3/448/5074453.

HUD. 2022. Community Development Block Grant Disaster Recovery Program. U.S. Department of Housing and Urban Development. November 8. Accessed 2022. https://www.hud.gov/program_offices/comm_planning/cdbg-dr.

HUD. 2022a. Community Development Block Grant Disaster Recovery Program. U.S. Department of Housing and Urban Development. Accessed 2022. https://www.hud.gov/program_offices/comm_planning/cdbg-dr.

International Code Council. 2022. The International Building Code. Accessed 2022. https://www.iccsafe.org/products-and-services/i-codes/2018-i-codes/ibc.

IPCC. 2022. Sixth Assessment Report. Intergovernmental Panel on Climate Change. Accessed 2022. https://www.ipcc.ch/assessment-report/ar6/.

ITOPF. 2022. Economic Effects. Accessed September 14, 2022. https://www.itopf.org/knowledge-resources/documents-guides/economic-effects/.

ITOPF. 2023. Environmental Effects. Accessed August 1, 2023. https://www.itopf.org/knowledge-resources/documents-guides/environmental-effects/.

Jackson, Robert B, Avner Vengosh, J. William Carey, Richard J Davies, Thomas H. Darrah, Francis O'Sullivan, and Gabrielle Petron. 2014. "The Environmental Costs and Benefits of Fracking." Annual Reviews. August 11. Accessed September 29, 2022. https://www.annualreviews.org/doi/10.1146/annurev-environ-031113-144051.

Jacobs, F. 2019. "Black feminism and radical planning: New directions for disaster planning research." Planning Theory, 24-39.

Juniata County. 2001. "Juniata County Multi-Jurisdictional Hazard Mitigation Plan." Accessed 2022. https://juniataco.org/docs/hmp/Appendix%20C%20-%2001-Civil%20Disorder.pdf.

Kajiser, Anna, and Annica Kronsell. 2014. "Climate change through the lens of intersectionality." Taylor & Franics Online. Accessed July 31, 2023. https://rsa.tandfonline.com/doi/pdf/10.1080/09644016.2013.835203.

Kehoe. 2012. "Senate Bill No. 1241." California State Portal. February 23. Accessed August 1, 2023. http://leginfo.ca.gov/pub/11-12/bill/sen/sb_1201-1250/sb_1241_bill_20120223_introduced.pdf.

Khan, Muhammad Tariq, Izaz Ali Shah, and Md Faysal Hossain. 2023. Personal protective equipment (PPE) disposal during COVID-19: An emerging source of microplastic and microfiber pollution in the environment. February 20. Accessed August 1, 2023. https://www.sciencedirect.com/science/article/pii/S0048969722074228#:~:text=MPs%2FMFs%20have%20recently%20been%20reported%20in%20a%20variety,plastic%20waste%20entering%20the%20terrestrial%20and%20marine%20environments.

Knowlton, Kim, Miriam Rotkin-ellman, Glatea King, Helene G. Margolis, Daniel Smith, Gina Solomon, Roger Trent, and Paul English. 2009. "The 2006 California Heat Wave: Impacts on Hospitalizations and Emergency Department Visits." Environmental Health Perspectives 117 (1). Accessed April 2023. https://ehp.niehs.nih.gov/doi/10.1289/ehp.11594.

LAO. 2022. Climate Change Impacts Across California. Legislative Analyst's Office. April 5. Accessed August 1, 2023. https://lao.ca.gov/Publications/Report/4575.

Melike Bildirici, Seyit M. Gokmenoglu. 2020. "The impact of terrorism and FDI on environmental pollution: Evidence from Afghanistan, Iraq, Nigeria, Pakistan, Philippines, Syria, Somalia." Environmental Impact Assessment Review. doi:https://doi.org/10.1016/j.eiar.2019.106340.

Mendez, Michael, Genevieve Flores-Haro, and Lucas Zucker. 2020. "The (in)visible victims of disaster: Understanding the vulnerability of undocumented Latino/a and indigenous immigrants." National Library of Medicine. November. Accessed July 31, 2023. https://pubmed.ncbi.nlm.nih.gov/32834081/.

Michigan Tech. 2022. How Do We Measure Earthquake Magnitude? Accessed 2022. https://www.mtu.edu/geo/community/seismology/learn/earthquake-measure.

Monroe County. 2017. Accessed August 2022. https://www.monroecounty.gov/files/oem/2017/20%20Section%205.4.10-Civil%20Unrest%20Apr17.pdf.

NAACP. 2018. In the Eye of the Storm: A People's Guide to Transforming Crisis & Advancing Equity in the Disaster Continuum. Accessed July 31, 2023.

https://naacp.org/resources/eye-storm-peoples-guide-transforming-crisis-advancing-equity-disaster-continuum.

National Academies Press. 2020. Implications of the California Wildfires for Health, Communities, and Preparedness: Proceedings of a Workshop. Accessed July 10, 2022. https://nap.nationalacademies.org/read/25622/chapter/4.

National Archives. 2021. Code of Federal Regulations. September 8. Accessed 2022. https://www.archives.gov/federal-register/cfr.

National Commission on the Environment. 1992. Choosing a sustainable future : the report of the National Commission on the Environment. Washington, D.C.: Island Press, 207. Accessed 2022.

National Collaborating Centre for Determinants of Health. n.d. Glossary of Essential Health Equity Terms. Accessed September 15, 2022. https://nccdh.ca/glossary/entry/marginalized-populations.

National Geographic. 2022. Climate Change. Accessed 2022. https://education.nationalgeographic.org/resource/climate-change.

National Severe Storms Laboratory. 2022. Severe Weather 101: Flood Types. NOAA. Accessed 2022. https://www.nssl.noaa.gov/education/svrwx101/floods/types/.

National Wildfire Coordinating Group. 2006. "Glossary of Wildland Fire Terminology." PMS 205. Accessed 2023. https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/fswdev3_009827.pdf.

NEHRP. 2022. About Us. National Earthquake Hazards Reduction Program. Accessed 2022. https://www.nehrp.gov/about/vision.htm.

NFIP/CRS. 2015. CRS Handout - Mapping Repetitive Loss Areas. October. Accessed 2022. https://crsresources.org/files/500/mapping_repetitive_loss_areas.pdf.

NFPA. 2022. Environmental Impact of Fires in the Built Environment. National Fire Protection Association. April. Accessed August 1, 2023. https://www.nfpa.org/News-and-Research/Data-research-and-tools/US-Fire-Problem/The-environmental-impact-of-fire.

NID. 2023. Dams of the Nation. Accessed July 31, 2023. https://nid.sec.usace.army.mil/#/.

NIDIS. 2022. U.S. Drought Monitor (USDM). National Integrated Drought Information System. https://www.drought.gov/data-maps-tools/us-drought-monitor.

NOAA SWPC. 2023. Space Weather Impacts. Accessed August 1, 2023. https://www.swpc.noaa.gov/impacts.

NOAA. 2015. What are atmospheric rivers? National Oceanic and Atmospheric Administration. December. Accessed 2022. https://www.noaa.gov/stories/what-are-atmospheric-rivers.

NOAA. 2020. Oil Spills. August 1. Accessed August 1, 2023. https://www.noaa.gov/education/resource-collections/ocean-coasts/oil-spills.

NOAA. 2023. Climate Data Online. Accessed July 31, 2023. https://www.ncei.noaa.gov/cdo-web/.

NOAA. 2023a. Wildfire Management. June 7. Accessed August 1, 2023. https://www.drought.gov/sectors/wildfire-management#:~:text=During%20drought%20conditions%2C%20fuels%20for%20wildfire%2C%20such%20as,Drought%20can%20be%20intensified%20by%20unusually%20warm%20temperatures.

NOAA. 2023b. Storm Events Database. Accessed July 31, 2023. https://www.ncdc.noaa.gov/stormevents/choosedates.jsp?statefips=6%2CCALIFORNIA.

OAL. 2023. California Code of Regulations (CCR). California Office of Administrative Law. Accessed 2023. https://oal.ca.gov/publications/ccr/.

OPR. 2022. CEQA: The California Environmental Quality Act. California Governor's Office of Planning and Research. Accessed 2022. https://opr.ca.gov/ceqa/.

OPR. 2022a. General Plan Information. California Governor's Office of Planning and Research. Accessed 2022. https://opr.ca.gov/planning/general-plan.

OPR. 2022b. CEQA: The California Environmental Quality Act. California Governor's Office of Planning and Research. Accessed 2022. https://opr.ca.gov/ceqa/.

Organisation for Economic Co-operation and Development. n.d. Risks from Natural Hazards at Hazardous Installations (Natech). Accessed September 30, 2022.

https://www.oecd.org/chemicalsafety/chemical-accidents/risks-from-natural-hazards-at-hazardous-installations.htm.

OSFM. 2022. Fire Hazard Severity Zones (FHSZ). California Office of the State Fire Marshal. Accessed 2022. https://osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/wildfire-preparedness/fire-hazard-severity-zones/.

OSHA. 2010. "Safety and Health Awareness for Oil Spill Cleanup Workers." OSHA. June. Accessed August 1, 2023. https://www.osha.gov/sites/default/files/publications/Oil_Spill_Booklet_05-11_v4.pdf#:~:text=Oil%20spill%20cleanup%20workers%20can%20face%20potential%20hazards,other%20wild%20species%20native%20to%20the%20impacted%20areas.

Ostro, Bart D., Lindsey A. Roth, Rochelle S. Green, and Rupa Basu. 2009. "Estimating the mortality effect of the July 2006 California heat wave." Environmental Research 109 (5): 614-619. https://www.sciencedirect.com/science/article/abs/pii/S0013935109000553?via%3Dihub.

Pacific Institute. 2015. Impacts of California's Ongoing Drought: Agriculture. Accessed July 31, 2023. https://pacinst.org/publication/impacts-of-californias-ongoing-drought-agriculture/.

Pacific Northwest Seismic Network. 2022. Seiche. Accessed 2022. https://pnsn.org/outreach/earthquakehazards/tsunami/seiche.

Pacific Northwest Seismic Network. 2022a. Surface Rupture. Accessed 2022. https://pnsn.org/outreach/earthquakehazards/surface-rupture.

Paini, Dean R, Andy W Sheppard, and David C Cook. 2016. Global threat to agriculture from invasive species. June 20. Accessed August 1, 2023. https://pubmed.ncbi.nlm.nih.gov/27325781/.

PHMSA. 2022. PHMSA Data and Statistics. June 30. Accessed July 31, 2023. https://www.phmsa.dot.gov/data-and-statistics/phmsa-data-and-statistics.

Rosenbaum, Rene P. and Brenda Long. 2018. "Disaster preparedness training for Latino migrant and seasonal farm workers in communities where they work." https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6296080/.

Sciencing. 2021. The Effects of Nuclear Radiation on the Environment. October 20. Accessed August 1, 2023. https://sciencing.com/the-effects-of-nuclear-radiation-on-the-environment-13428111.html.

Shang, Yunfeng, Haiwei Li, and Ren Zhang. 2021. Effects of Pandemic Outbreak on Economies: Evidence From Business History Context. March 12. Accessed August 1, 2023. https://pubmed.ncbi.nlm.nih.gov/33777885/.

Space Weather Operations, Research, and Mitigation Working Group. 2019. NATIONAL SPACE WEATHER STRATEGY AND ACTION PLAN. March. Accessed October 4, 2022. https://trumpwhitehouse.archives.gov/wp-content/uploads/2019/03/National-Space-Weather-Strategy-and-Action-Plan-2019.pdf.

SPIA Index. n.d. "What is the Sperry-Plitz Ice Accumulation Index?" SPIA Index. https://spia-index.com/.

State of California. 2022. California Climate Adaptation Strategy. Accessed August 2022. https://www.climateresilience.ca.gov/.

Storm Prediction Center. 2022. Fujita Tornado Damage Scale. Accessed 2022. https://www.spc.noaa.gov/faq/tornado/f-scale.html.

The Greenlining Institute. 2019. Making Equity Real in Climate Adaptation and Community Resilience Policies and Programs: A Guidebook. August 17. Accessed July 31, 2023. https://greenlining.org/publications/making-equity-real-in-climate-adaptation-and-community-resilience-policies-and-programs-a-guidebook/.

Tornado Project. 2018. Tornado Data. Accessed July 31, 2023. http://www.tornadoproject.com/.

U.S. Agency for Toxic Substances and Disease Registry. 2001. Toxicological Profile for Asbestos: Atlanta, Georgia, U.S. Agency for Toxic Substances and Disease Registry, Division of Toxicology/Toxicology Information Branch, 327 p., and Appendices A-F.

U.S. Agency for Toxic Substances and Disease Registry. 2022. https://www.atsdr.cdc.gov/toxprofiledocs/index.html (website accessed July 2022).

U.S. Department of Agriculture, Forest Service. n.d. Invasive Species. Accessed September 29, 2022. https://www.fs.usda.gov/managing-land/invasive-species.

U.S. Fire Administration. 2022. What is the WUI? June 8. Accessed July 4, 2022. https://www.usfa.fema.gov/wui/what-is-the-wui.html

U.S. Fire Administration. 2022. What is the WUI? June 8. Accessed July 4, 2022. https://www.usfa.fema.gov/wui/what-is-the-wui.html#:~:text=The%20WUI%20is%20the%20zone,undeveloped%20wildland%20or%20vegetative%20fuels.

U.S. Government Information. 2022. Healthy Forests Restoration Act of 2003. October 19. Accessed 2022. https://www.govinfo.gov/content/pkg/COMPS-1123/pdf/COMPS-1123.pdf.

U.S. President. Executive Order 13985. 2021. "Executive Order 13985." Advancing Racial Equity and Support for Underserved Communities Through the Federal Government.

UC Davis. 2023. California Drought Watch. Accessed July 31, 2023. drought.ucdavis.edu.

UNICEF. 2016. "Child-Centered Disaster Risk Reduction: Contributing to Resilient Development." http://www.childreninachangingclimate.org/uploads/6/3/1/1/63116409/child-centered_drr-_contributing_to_resilient_development.pdf.

USA.gov. 2022. A-Z Index of U.S. Government Departments and Agencies. Accessed 2022. https://www.usa.gov/federal-agencies/a.

USACE. 2022. Flood Risk Management. U.S. Army Corps of Engineers. Accessed 2022. https://www.usace.army.mil/Missions/Civil-Works/Flood-Risk-Management/.

USBR. 2022. Dam Safety. U.S. Bureau of Reclamation. February 14. Accessed 2022. https://www.usbr.gov/damsafety/index.html.

USDA NRCS. 2023. Emergency Watershed Protection. Accessed August 1, 2023. https://www.nrcs.usda.gov/programs-initiatives/ewp-emergency-watershed-protection.

USDA. 2023. Disaster Designation Information. Accessed July 31, 2023. https://www.fsa.usda.gov/programs-and-services/disaster-assistance-program/disaster-designation-information/index.

USDA. n.d. Inflation Reduction Act Funding for Rural Development. U.S. Department of Agriculture. Accessed 2023. https://www.rd.usda.gov/inflation-reduction-act.

USFS. 2022. National Fire Danger Rating System. U.S. Forest Service. Accessed 2022. https://www.fs.usda.gov/detail/cibola/landmanagement/resourcemanagement/?cid=stelprdb5368839#.

USFS. 2023a. Invasive Species. U.S. Forest Service. Accessed August 1, 2023. https://www.fs.usda.gov/managing-land/invasive-species.

USFS. 2023b. California Tree Mortality. U.S. Forest Service. Accessed August 1, 2023. https://www.fs.usda.gov/main/catreemortality/home.

USFWS. 2022. Endangered Species Act. U.S. Fish and Wildlife Service. Accessed 2022. https://www.fws.gov/law/endangered-species-act.

USGS. 2018. The 100-Year Flood. U.S. Geological Survey. June 7. Accessed December 2022. https://www.usgs.gov/special-topics/water-science-school/science/100-year-flood.

USGS. 2019a. Watersheds and Drainage Basins. U.S. Geological Survey. June 8. Accessed 2022. https://www.usgs.gov/special-topics/water-science-school/science/watersheds-and-drainage-basins.

USGS. 2019b. Earthquake Hazards 201 - Technical Q&A. U.S. Geological Survey. August 6. Accessed 2022. https://www.usgs.gov/programs/earthquake-hazards/science/earthquake-hazards-201-technical-qa.

USGS. 2021. National Landslide Preparedness Act. U.S. Geological Survey. February 3. Accessed 2022. https://www.usgs.gov/programs/landslide-hazards/science/national-landslide-preparedness-act.

USGS. 2022a. What are the effects of earthquakes? Accessed 2022. https://www.usgs.gov/programs/earthquake-hazards/what-are-effects-earthquakes.

USGS. 2022b. What is liquefaction? Accessed 2022. https://www.usgs.gov/faqs/what-liquefaction.

USGS. 2022c. What is an earthquake and what causes them to happen? U.S. Geological Survey. Accessed 2022. https://www.usgs.gov/faqs/what-earthquake-and-what-causes-them-happen.

USGS. 2022d. What is a debris flow? Accessed 2022. https://www.usgs.gov/faqs/what-debris-flow#:~:text=Debris%20flows%20are%20fast%2Dmoving,50%20states%20and%20U.S.%20Territories.

USGS. 2022e. What is the difference between a sinkhole and land subsidence? U.S. Geological Survey. Accessed 2022. https://www.usgs.gov/faqs/what-difference-between-sinkhole-and-land-subsidence.

Waikato Region Emergency Management. 2015. What damage can earthquakes do? Accessed August 1, 2023. https://www.waikatoregioncdemg.govt.nz/info-and-resources/information-resourceshazards/earthquakes/what-damage-can-earthquakes-do/.

World Green Building Council. 2022. Air Quality in the Built Environment. Accessed 2022. https://worldgbc.org/clean-air-buildings/impacts.

Verisk. 2023. Building Code Effectiveness Grading Schedule (BCEGS®). Accessed 2023. https://www.isomitigation.com/bcegs/.

YSG Solar. 2021. Top 5 Solar Farm Land Requirements. June 10. Accessed August 1, 2023. https://www.ysgsolar.com/blog/top-5-solar-farm-land-requirements-ysg-solar#:~:text=Generally%20speaking%2C%20solar%20developers%20will%20require%20a%20minimum,not%20permit%20full%20coverage%20f%20the%20entire%20parcel.

Zuskin, Eugenija, Jadranda Mustajbegovic, Jagoda Doko Jelinic, Jasna Pucarin-Cvetkovic, and Milan Milosevic. 2007. Effects of volcanic eruptions on environment and health. December. Accessed September 29, 2022. https://pubmed.ncbi.nlm.nih.gov/18063533/#:~:text=Further%20effects%20are%20the%20deterioration,those%20affected%20by%20volcanic%20eruptions.