

# CALIFORNIA ADAPTATION PLANNING GUIDE

December 2019  
**Public Review Webinars**



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# Introduction

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Adaptation Planning  
Guide Public Review



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# APG 2.0 Public Review Draft Webinar Project Team Representatives

## Cal OES

- Derek Lambeth
- Miles Gordon

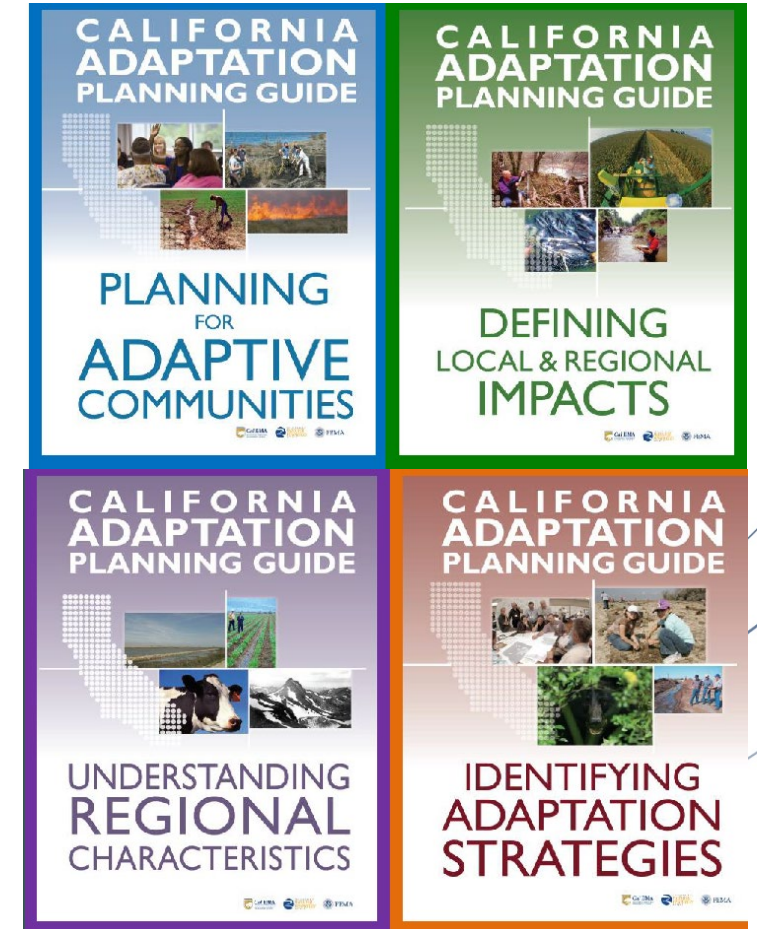
## Consultant Team

- Tammy Seale, PlaceWorks
- Eli Krispi, PlaceWorks
- Natalie Hernandez, Climate Resolve



# What is the APG?

- Adaptation planning resource for local, regional, and tribal governments in California.
- APG “2.0” updates the APG released in 2012.
- A four-phase process for local governments to develop specific adaptation and resilience strategies at the local level.



# What is the APG?

- References the most recent climate science and provides resources to obtain data and use California-specific climate science tools.
- Resource to complete a vulnerability assessment and adaptation framework that can be used in a variety of local government plans.



# INTERAGENCY WORKING GROUP

- Representatives of federal, state, and local government agencies, tribal governments, and non-profits.
- Purpose: Help integrate the resources of the participants, review work on APG 2.0, advise project team, and support stakeholder engagement.



# Introduction

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Updating the APG



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# APG 2.0 Consultant Team

## PlaceWorks (Prime)

Tammy  
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Eli Krispi

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## ICF

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# Goals for APG 2.0

- Update and integrate new state resources, updated science, and best practices into adaptation planning process.
- Provide resources on alignment and integration with other local and state adaptation planning efforts.
- Share options to meet requirements like SB 379.
- Integrate equity and outreach into all phases.
- Anticipate integration into the Adaptation Clearinghouse.



# Update Process: Literature Review

## Topics Reviewed

- Vulnerability assessment
- Adaptation strategy development
- Equity, outreach, and engagement
- Strategy assessment and costs
- Plan alignment and mainstreaming
- Uncertainty



# Update Process: Plan Review

## Key State Plans and Resources

- Safeguarding California Plan: 2018 Update
- California 4<sup>th</sup> Climate Change Assessment
- State of California Sea-Level Rise Guidance
- Adaptation Clearinghouse
- General Plan Guidelines
- State Hazard Mitigation Plan
- Cal-Adapt.org



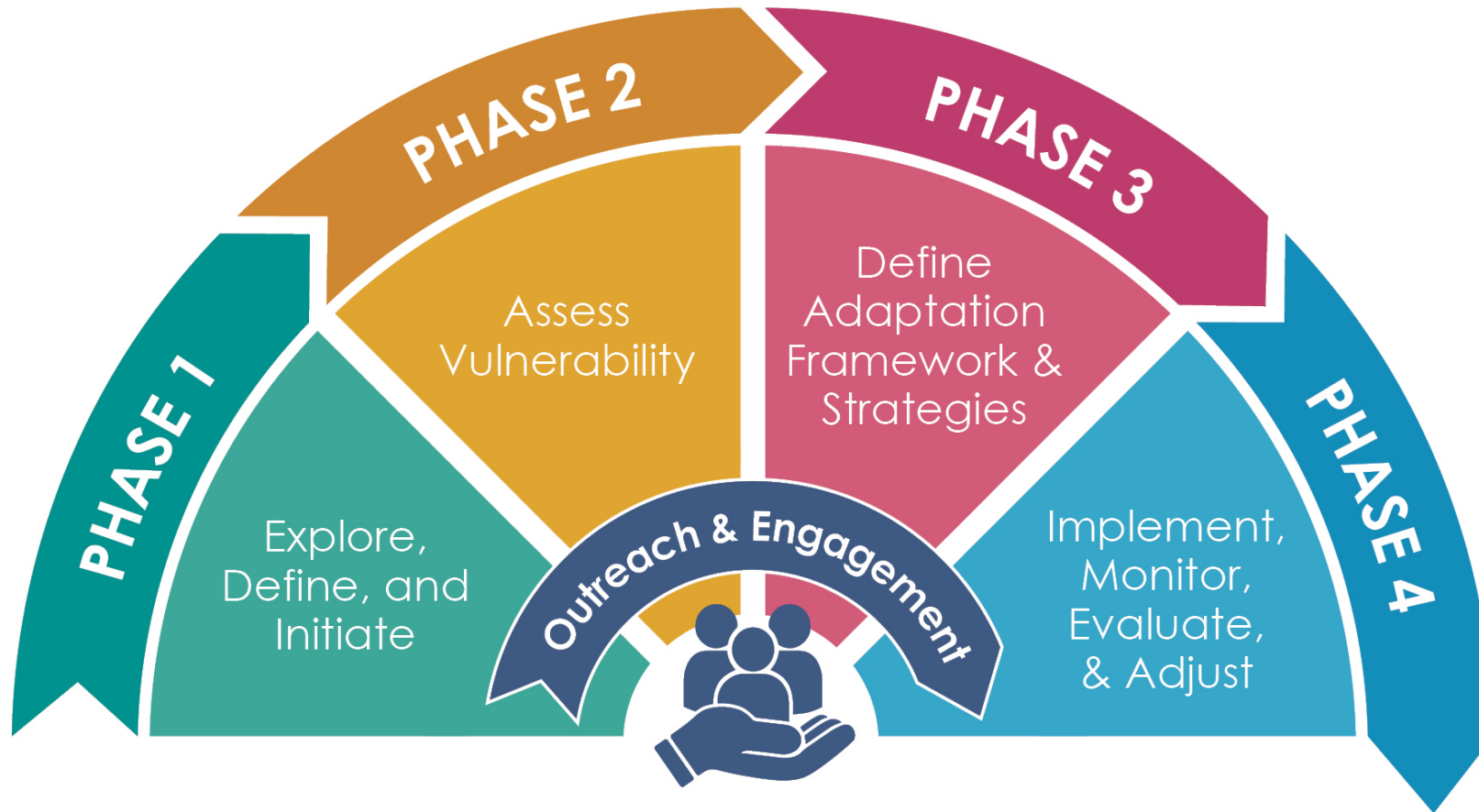
# Update Process: Outreach

## Early outreach to stakeholders

- Survey – Fall 2018
- Presentations – since Fall 2018
- Listening Session Webinars – July 2019
- Stakeholder Interviews – May through July 2019



# APG 2.0 – Phases of Planning Process



# Phase 1

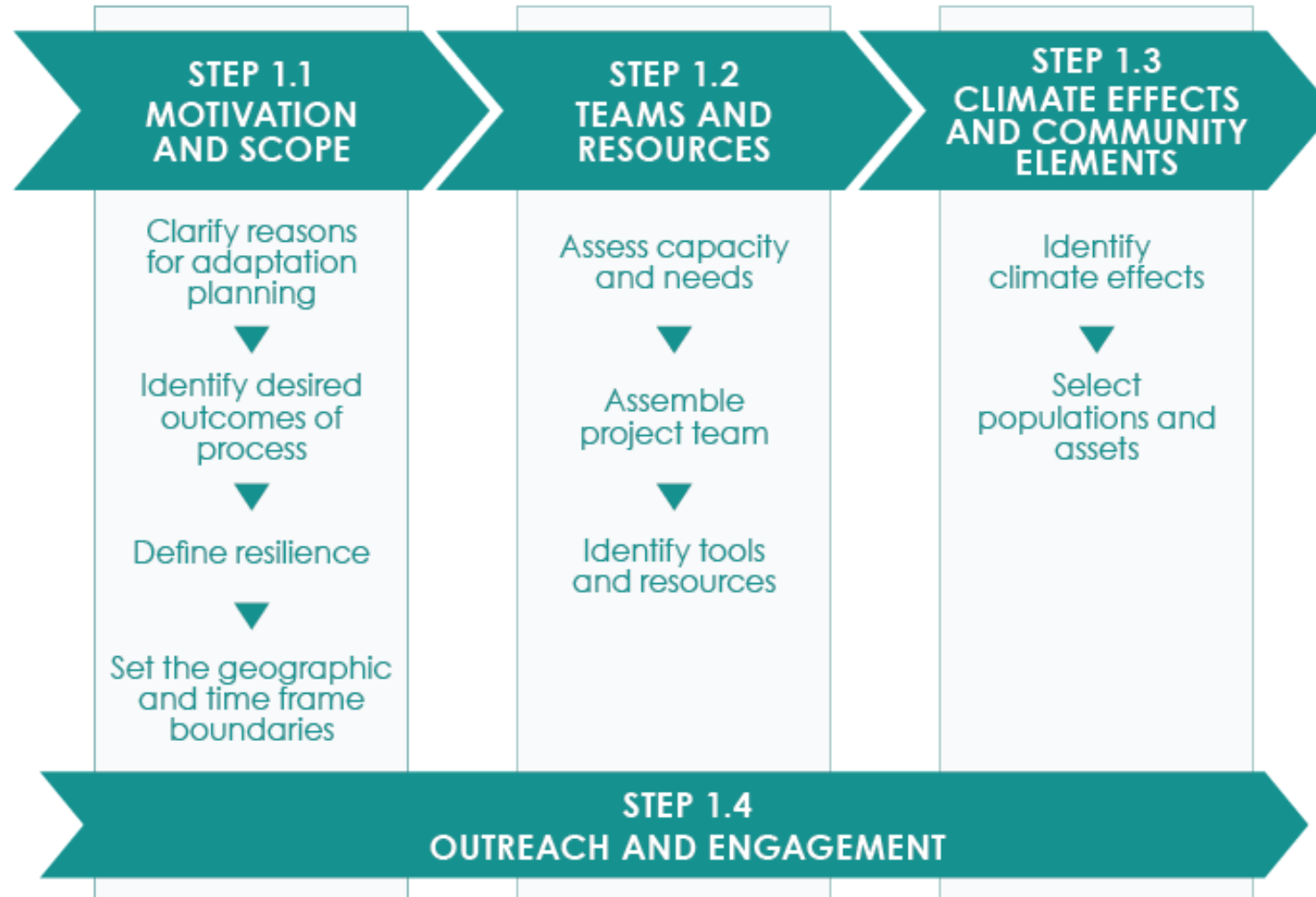
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Explore, Define, Initiate



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# APG 2.0: Steps of Phase 1



# APG 2.0: Phase 1

## Phase 1 Summary

- Goal: To establish the basic aspects of the planning process, including what will be addressed and who will be involved.
- Result: A clearly-defined foundation and framework for the planning process.

**Provides resources for integrating actions with LHMPs and other planning process.**



# APG 2.0: Phase 1 Summary

## Motivation and Scope

- What is the vision for adaptation?
- What is the final product?
- What is the plan area?
- What is the timeframe for the plan and process?

## Project Team and Resources

- What information is available?
- What is the budget?
- Who will be on the project team?
- What are the available tools?

## Identify Climate Effects

- What are the climate effects?
- What are the populations and assets?



# Phase 2

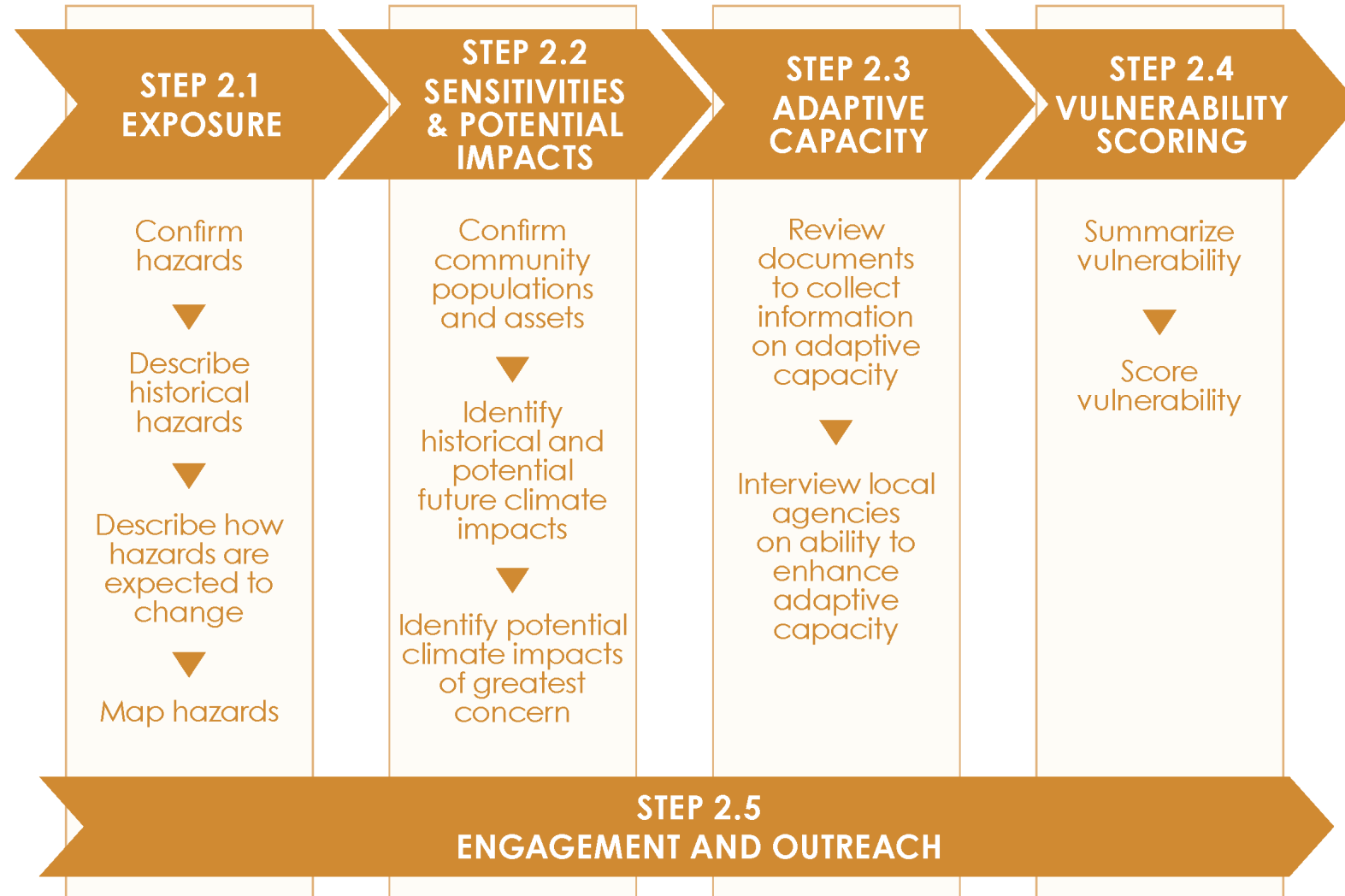
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Assess Vulnerability



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# APG 2.0: Steps of Phase 2



# APG 2.0: Phase 2

## Phase 2 Summary

- Goal: To characterize the community's exposure to current and project climate hazards.
- Result: A vulnerability assessment.
  - The approach is designed to ensure the vulnerability assessment is consistent with California Government Code Section 65302(g)(4).



# PHASE 2

## Exposure

- What are the current and historical climate effects?
- What are the expected future conditions?

## Populations and Assets

- How are people and assets affected?
- What is the adaptive capacity of people and assets?

## Scoring

- How vulnerable are populations and assets to each effect?



# Phase 3

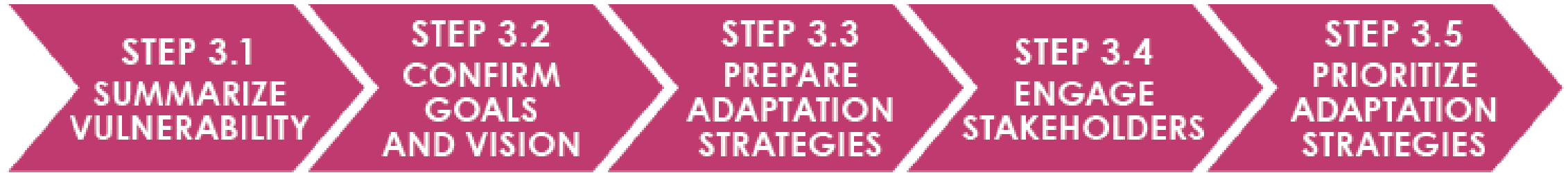
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Define Adaptation  
Framework and  
Strategies



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# Steps of Phase 3



# APG 2.0: Phase 3

## Phase 3 Summary

- Goal: To prepare the community's adaptation framework.
- Result: A set of specific policies and implementable strategies for adapting to climate change, consistent with the vision, goals, and desired outcomes of the community.
- APG provides resources on strategy development and provides example strategies by sector.

# APG 2.0: Phase 3

## Preparing Adaptation Strategies

- What is a strategy?
- How do strategies support the vision?
- How should we address uncertainty?
- What other considerations are there?

## Prioritizing Adaptation Strategies

- What are the key factors to consider?



# APG 2.0: Phase 3

## Sectors

- Resources and example strategies use the same sectors as Adaptation Clearinghouse.
- Communities may use different frameworks.
- Equity and environmental justice integrated into all sectors.



EMERGENCY MANAGEMENT



ENERGY



LAND USE AND COMMUNITY DEVELOPMENT



PUBLIC HEALTH



TRANSPORTATION



AGRICULTURE



BIODIVERSITY AND HABITAT



FORESTS



OCEAN AND COAST



WATER



PARKS, RECREATION, AND CALIFORNIA CULTURE



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# Phase 4

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Implement, Monitor,  
Evaluate, and Adjust



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# APG 2.0: Phase 4



# APG 2.0: Phase 4 Summary

## Phase 4 Summary

- Goal: Establish an implementation program to monitor, evaluate, and modify strategies as needed.
- Result: A clear plan to put the adaptation strategies into effect, monitor and evaluate their effectiveness, and make revisions.



# APG2.0: Phase 4

## Implement

- How can communities implement adaptation?
- Who can support adaptation efforts?

## Monitor and Evaluate

- What indicators inform performance?
- How do we know if adaptation efforts are working?

## Adjust

- How do we revise strategies?



# Equity, Outreach and Engagement

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Integration into APG 2.0



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# Equity

## Integration into Climate Adaptation Planning

- Identifying persons and frontline communities who may be most vulnerable to climate change and ensuring that planning process, distribution of resources, and efforts to address systemic wrongs are all conducted in an equitable manner
- Types of Equity: Procedural, Distributional, and Structural



# Outreach and Engagement

## Suggested Approaches

- Training local government officials on equity.
- Identifying key stakeholders through stakeholder mapping.
- Establishing community partners and valuing their time and expertise.
- Reaching all populations through creative outreach activities.



# Outreach and Engagement

## Suggested Approaches

- Recognizing existing community networks and assets.
- Involving community in creating adaptation strategies and managing implementation.
- Providing transparency and accountability in process, monitoring and evaluation.



# Public Review



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# Public Review

- APG 2.0 is available at this Cal OES website:  
[www.caloes.ca.gov/climate](http://www.caloes.ca.gov/climate)
- We will receive comments on this draft through early January 2020.
- To give comments:
  - Please take our survey!  
<https://www.surveymonkey.com/r/WVHWYMK>



# APG 2.0 Schedule

- December 2019
  - Public Review Draft available for review
  - Webinars, ICARP TAC presentation, Interagency Working Group
- January – April 2020
  - Revisions to draft APG
  - Public review period and additional revisions
  - Final APG release



# Questions



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# Thank You

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