Office of Planning and Research

• State Land Use Policy
• CEQA Guidelines
• General Plan Guidelines
• Military Liaison
• Technical Advisories
• Interagency Coordination
• Executive Initiatives
• Within OPR:
  – Strategic Growth Council
  – Integrated Climate Adaptation and Resiliency Program
    • Technical Advisory Council
    • Adaptation Clearinghouse
  – CEQA Clearinghouse
Institutionalization – Selected Actions

- EO S-03-05 – Targets for 2020 and 2050
  - 2006 AB32 – Global Warming Solutions Act
  - 2008 SB375 – Linking Emissions, Housing and Transportation
    - SB732 – Strategic Growth Council
  - 2009 SB97 – Climate Change and CEQA
- EO S-13-08 – Climate Adaptation
- EO B-30-15 – Integrated approach to climate
  - SB32 – Scoping Plan
  - AB1482 – Safeguarding California and related
  - SB246 – OPR, ICARP and Clearinghouse
  - SB350 – New greenhouse gas emissions targets
  - AB2800 – Infrastructure Planning
  - SB379 – Local governments and climate risk
  - SB1000 - Environmental Justice Requirements
California’s Climate Change Policy

Reducing Emissions

Preparing for Impacts

Research

First Update to the Climate Change Scoping Plan

Building on the Framework

Pursuant to AB 32

The California Global Warming Solutions Act of 2006

Natural Resources Agency

Safeguarding California:
Reducing Climate Risk

An update to the 2009 California Climate Adaptation Strategy

Climate Change Research Plan for California

Since then:
• SB 1000- Environmental Justice
• SB 379- Climate Change Adaptation
• SB 375- Sustainable communities strategies
• AB1358 – Complete Streets
• SB 5- Flood management
• SB 743-Vehicle Miles Traveled
• SB 244- Island or fringe communities
• AB 52- Tribal consultation
• AB 2140- Local hazard mitigation plans
• Many more!!

Required Elements
➤ Land use
➤ Circulation
➤ Housing
➤ Conservation
➤ Open Space
➤ Noise
➤ Safety
➤ Environmental Justice*
➤ Air Quality*

New Chapters
➤ Public Engagement
➤ Healthy communities
➤ Climate Change
➤ Economic Development
➤ Social Equity/Resilience
## General Plan Elements

### Required Elements
- Land use
- Circulation
- Housing
- Conservation
- Open Space
- Noise
- Safety
- Environmental Justice*
- Air Quality*

### New Chapters
- Public Engagement
- Healthy communities
- **Climate Change**
- Economic Development
- Social Equity/Resilience
Greenhouse Gas Emissions

- § 15183.5(b)(1)(A) of the CEQA Guidelines recognizes a wide variety of planning efforts (CAP, General Plans, etc).
- A Plan to address GHGs should contain at least the following components:
  - Inventory using accepted Protocols
  - Set a target in line with State targets
  - Forecasting
  - Establish reduction measures
  - Monitor and amend
  - Adopt in a public process
Safety Element - Adaptation

• Climate change adaptation is now required in Safety Elements
  – Does not preclude incorporation in to other areas
  – Encourages cross-linkages and co-benefits

• Some distinct actions:
  – Review existing plans (gap analysis)
  – Assess community vulnerability
  – Create a set of goals, policies and objectives
  – Create a set of “feasible” implementation measures
  – Implement measures
Adaptation Planning Guide

CALIFORNIA ADAPTATION PLANNING GUIDE

PLANNING FOR ADAPTIVE COMMUNITIES

1. EXPOSURE
   What climate change effects will a community experience?

2. SENSITIVITY
   What aspects of a community (people, structures, and functions) will be affected?

3. POTENTIAL IMPACTS
   How will climate change affect the points of sensitivity?

4. ADAPTIVE CAPACITY
   What is currently being done to address the impacts?

5. RISK & ONSET
   How likely are the impacts and how quickly will they occur?

6. PRIORITIZE ADAPTIVE NEEDS
   Which impacts require actions to address them?

7. IDENTIFY STRATEGIES
   Which strategies should be pursued to address adaptation needs?

8. EVALUATE & PRIORITIZE
   Which strategies should be implemented first?

9. PHASE & IMPLEMENT
   How can the strategies be funded, staffed, and implemented?
Cal-Adapt and Vulnerability

Exploring California's Climate Change Research

Cal-Adapt provides a view of how climate change might affect California. Find tools, data, and resources to conduct research, develop adaptation plans and build applications.

Climate Tools  Download Data  Find Resources
## Tools to Address Adaptation

<table>
<thead>
<tr>
<th>Resource Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guidelines for CEQA compliance</td>
<td>CEQA Guidelines</td>
</tr>
<tr>
<td>Comprehensive framework for addressing adaptation at the local level</td>
<td>APG</td>
</tr>
<tr>
<td>Visualization tool for the impacts of climate change and links to resources</td>
<td>Cal-Adapt</td>
</tr>
<tr>
<td>Federal resource for visualizing impacts, case studies, decision support</td>
<td>Climate Resilience Toolkit</td>
</tr>
<tr>
<td>Guide to developing adaptation policy at the local level in California</td>
<td>Adaptation Planning Guide</td>
</tr>
<tr>
<td>Georgetown University Climate Center Adaptation Clearinghouse</td>
<td>Adaptation Clearinghouse</td>
</tr>
<tr>
<td>The State’s approach to addressing climate impacts</td>
<td>Safeguarding California Plan</td>
</tr>
<tr>
<td>The State’s framework for climate hazards</td>
<td>State Hazard Mitigation Plan</td>
</tr>
<tr>
<td>See also: Chapter 7, Climate Change of the General Plan Guidelines</td>
<td>Chapter 8, Climate</td>
</tr>
<tr>
<td>See also: OPR Adaptation Clearinghouse</td>
<td>ICARP</td>
</tr>
</tbody>
</table>
Innovative Governance and Collaboration

ARCCA
Alliance of Regional Collaboratives for Climate Adaptation
www.arccacalifornia.org
The field continues to evolve…
New resources continue to be developed…
Local and regional leadership inform State policy and programs…
There is a lot of flexibility in how the mandates can be implemented…
Your engagement in collaboratives and State policy initiatives is critical.
Are you an existing or emerging case study that could help other communities?

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