ITEM W6d: BRIEFING ON REVISED DRAFT SEA LEVEL RISE POLICY GUIDANCE

FOCUS ON CHAPTER 7: ADAPTATION STRATEGIES
TODAY’S PRESENTATION

Chapters

1. Introduction
2. Guiding Principles
3. Sea Level Rise Science
4. Consequences of SLR
5. Addressing SLR in LCPs
6. Addressing SLR in CDPs
7. Adaptation Strategies
8. Legal Context
9. Next Steps

Appendices

A. Sea Level Rise Science
B. Local Hazard Conditions
C. Resources
D. LCP Amendment
E. Funding Opportunities
F. Coastal Act Policies
G. CCC Contact Info
**About the Document**

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<th>This document <strong>IS:</strong></th>
<th>This document is <strong>NOT:</strong></th>
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<tr>
<td>Guidance</td>
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<td>Dynamic</td>
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<td>Multi-purpose for multiple audiences</td>
<td>Meant to be read cover-to-cover</td>
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<td>A menu of options</td>
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<td>Provide detail on <strong>which adaptation strategies</strong> should be used in <strong>specific areas</strong></td>
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<td>Provide <strong>examples</strong> of adaptation strategies currently in use</td>
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<td>Provide more emphasis on the benefits of <strong>intact habitats</strong> and <strong>living shorelines</strong></td>
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<td>Explain how adaptation options affect <strong>re-development</strong> efforts</td>
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<td>Strategies for <strong>flexible, long-term adaptation</strong></td>
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**CHOOSING ADAPTATION STRATEGIES**

Choose Adaptation Strategies based on:

- **Applicable Coastal Act and LCP requirements** (and other relevant laws and policies)
- **Specific risks and vulnerabilities of the region or project site**
- **Consideration of local conditions**

1. Choose range of SLR projections relevant to LCP planning area/segment

2. Identify potential SLR impacts in LCP planning area/segment

3. Assess risks to coastal resources and development in planning area (*i.e.*, identify problem areas)

4. Identify adaptation measures and LCP policy options

5. Draft updated or new LCP for certification with Coastal Commission

6. Implement LCP and monitor and revise as needed

Chapter 7
CHOOSING ADAPTATION STRATEGIES

- Different strategies for different locations, hazards, and resource protection goals.
- The effectiveness of adaptation strategies will vary across spatial and temporal scales.
- Consider a hybrid approach that uses multiple strategies.
ADAPTATION CATEGORIES

- Protect
- Accommodate
- Hybrid
- Retreat
ADAPTATION STRATEGIES

A. Coastal Development and Hazards

The Coastal Act requires that new development be sited and designed to be safe from hazards and not adversely impact coastal resources (Coastal Act Sections 30235 and 30253). The main goals that relate to hazards and coastal development are:

- Update land use designations, zoning maps, and ordinances to account for changing hazard zones
- Include sea level rise in hazard analyses and policies
- Plan and locate new development to be safe from hazards, not require protection over its entire lifespan, and be protective of coastal resources

Goal: Plan and locate new development to be safe from hazards, not require protection over its entire lifespan, and be protective of coastal resources

A.4 Limit new development in hazardous areas: Restrict or limit construction of new development in zones or overlay areas that have been identified or designated as hazardous areas to avoid or minimize impacts to coastal resources and property from sea level rise impacts.

A.5 Cluster development away from hazard areas: Concentrate development away from hazardous areas. Update any existing policies that cluster development to reflect additional hazard zones due to sea level rise.

A.5a Concentration of development/smart growth: Require development to concentrate in areas that can accommodate it without significant adverse effects on coastal resources. This strategy is applicable for community wide planning through an LCP, but may also apply to CDPs for subdivisions or for larger developments involving large or multiple lots.

A.5b Transfer of Development Rights programs (TDR): Restrict development in one area (“sending area”) and allow for the transfer of development rights to another area more appropriate for intense use (“receiving area”). LCPs can establish policies to implement a TDR program to restrict development in areas vulnerable to sea level rise and allow for transfer of development rights to parcels with less vulnerability to hazards. A TDR program can encourage the relocation of development of coastal locations and reduce the vulnerability with
GOAL: Plan and locate new development to be safe from hazards, not require protection over its entire lifespan, and be protective of coastal resources.
Coastal Development and Hazards

GOAL: Incorporate sea level rise adaptation into redevelopment policies
Coastal Development and Hazards

**GOAL:** Encourage removal of development that is threatened by sea level rise

Stillwell Hall, Fort Ord, Monterey
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PUBLIC ACCESS AND RECREATION

Coastal Act Goals

• Maximize public access and recreational use by protecting beaches and other coastal areas
• Protect lower cost visitor and recreational facilities
• Foster efforts to better understand impacts of sea level rise
Public Access and Recreation

GOALS: Maximize public access and recreational use by protecting beaches and other coastal areas & Protect lower cost visitor and recreational facilities and accessways
Coastal Act Goals

• Protect, enhance, and restore sensitive habitats
• Avoid significant disruption to habitats
• Avoid significant impacts to habitats from adjacent development
• Manage sediment in ways that benefit habitats
• Incorporate sea level rise into habitat management actions
Coastal Habitats, ESHA, & Wetlands

GOAL: Protect, enhance, and restore sensitive habitats
GOAL: Incorporate sea level rise into habitat management decisions
Coastal Act Goals

• Control runoff and stormwater pollution
• Minimize adverse effects of wastewater discharges and entrainment
• Improve long-term water quality through research
Coastal Act Goals

Protect archaeological and paleontological resources

“Where development would adversely impact archaeological or paleontological resources as identified by the State Historic Preservation Officer, reasonable mitigation measures shall be required”
SCENIC AND VISUAL RESOURCES

Coastal Act Goals

Protect views to and along the ocean and scenic coastal areas

Development shall be sited and designed to: “Protect views to and along the ocean and scenic coastal areas, to minimize the alteration of natural landforms...and to restore and enhance visual quality in visually degraded areas”
Thank You!

To view the Revised Draft SLR Policy Guidance, visit:
http://www.coastal.ca.gov/climate/slrguidance.html

To view the Comment and Response document, visit:
http://documents.coastal.ca.gov/assets/slr/guidance/Final_MASTERCommentResponseDoc.pdf

To view Commission staff presentations on sea level rise, visit:
http://www.coastal.ca.gov/climate/SLR-Outreach-Presentations.html

QUESTIONS?