

2009 California Climate Adaptation Strategy,
Ocean and Coastal Chapter - Strategy 5:
“Complete a statewide sea-level rise
vulnerability assessment every five years”

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Sea Level Rise (SLR) Vulnerability Assessment Necessary for Successful Implementation of Other Strategies

SLR touches on many of the sectors and has implications for:

- Local Land Use Decisions
- Natural Resource Management
- Transportation
- Infrastructure

Strategy 5 Near Term Actions:

Task 1: National Academies of Science (NAS) Sea Level Rise Assessment Report

Purpose: The purpose of the NAS project is to provide an evaluation of sea level rise for the years 2030, 2050 and 2100. The evaluation will cover both global and local sea level rise.

Deliverables: Report from NAS covering the scope of work summarized above.

Agencies: DWR is the lead agency coordinating funding of the NAS project, with OPC, Caltrans, SWRQCB, California Energy Commission serving as a California State Agency Steering Committee.

Timeline: Report expected to be released in spring of 2012.



CO-CAT SLR Taskforce

Taskforce comprised of representatives from state agencies whose mission may be impacted by SLR.

This group will be tasked with:

- 1) clarifying how agencies are currently integrating SLR projections into their management and planning processes;
- 2) establishing a set of shared principles that will facilitate a unified and synergistic approach to addressing SLR throughout State government.



Task 2: Transportation Hot Spot Map

Purpose: identify specific areas of the state's highway system, railroad system and key local streets that are susceptible to sea-level rise.

Deliverables: a map identifying susceptible transportation infrastructure
Agency roles: Caltrans is the lead agency.

Timeline: The project is anticipated to start in June 2011 and be completed by June 2012.



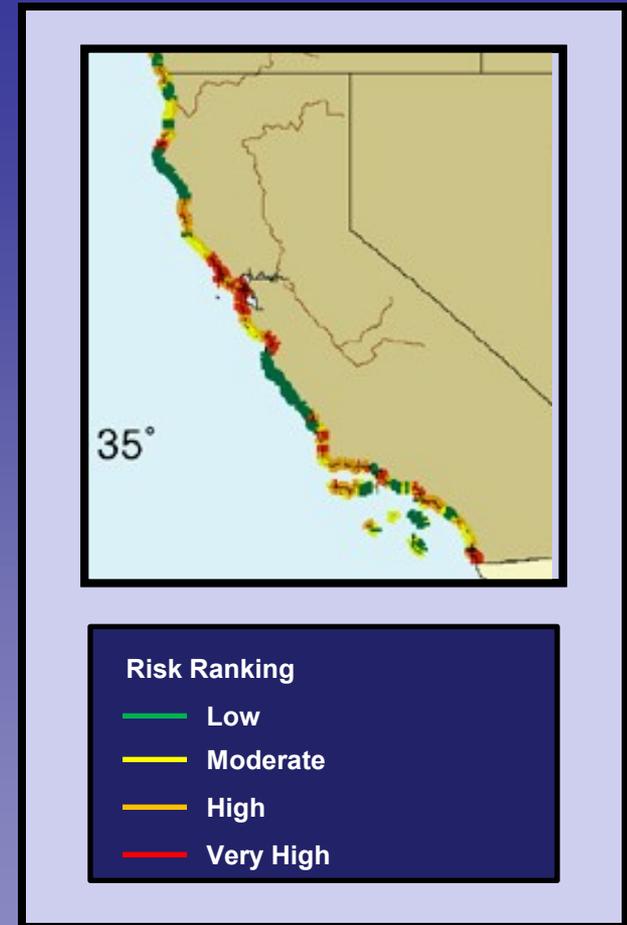
Task 3: Statewide Vulnerability Assessment

Purpose: The State Adaptation Strategy calls on OPC to coordinate with other state agencies to produce a coastal and ocean vulnerability assessment every five years that consolidates and builds upon existing efforts by the California Energy Commission and other agencies.

Deliverables: Statewide synthesis report and individual reports and maps for related studies including wave run-up projections and a case study on planning for sea-level rise.

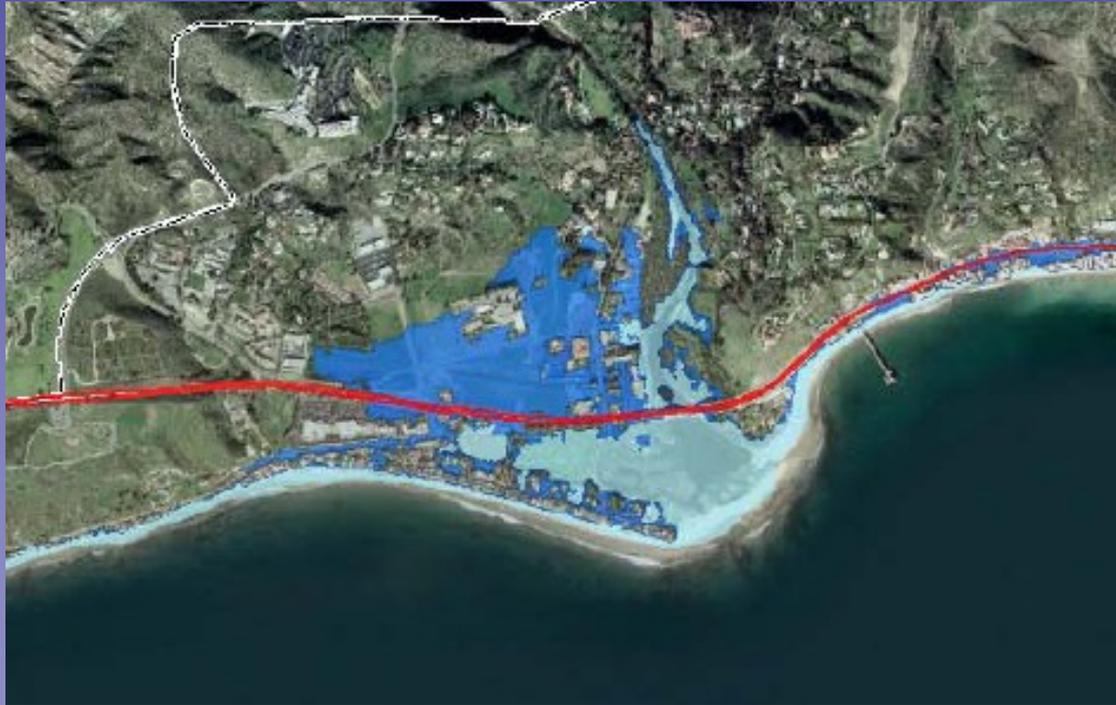
Agency roles: CEC is the lead agency, with OPC serving on the steering committee and BCDC providing guidance on the San Francisco Bay Area case study.

Timeline: Draft reports for the synthesis document and the individual reports are due in December 2010, with final reports due in June 2011.



Strategy 5 Long Term Action:

- In coordination with all relevant state agencies, the OPC should produce a coastal and ocean vulnerability assessment every five years.



Each new assessment will discuss the most recent knowledge about climate impacts to ocean and coastal resources, inventory coastal natural and man-made assets, and assess what is at risk (including an economic valuation).

