

# AB 691 Assessment Criteria

## 1. Assessment of impacts of sea-level rise

- a. Inventory vulnerable natural and built “manmade” resources and facilities
- b. Consider impacts and recommendations described in the current version of the Ocean Protection Council’s Sea-Level Rise Guidance Document found here: <http://www.opc.ca.gov/2013/04/update-to-the-sea-level-rise-guidance-document/>
- c. Consider impacts of storms and extreme events
- d. Consider changing shorelines
- e. Consider trends in relative local sea level
- f. Consider impacts to public trust resources and values, including but not limited to public access, commerce, recreation, coastal habitats, and navigability
- g. Prioritize vulnerabilities to be addressed

## 2. Maps of 2030, 2050, and 2100 impacts

- a. FEMA flood hazard maps can be accepted, if projected timeframe is appropriate
- b. Refer to online mapping tool resources if the trustee does not have in-house resources needed to complete

## 3. Estimate of financial costs of sea-level rise

- a. Replacement or repair costs of resources and facilities that could be impacted by sea-level rise and climate change processes
- b. Non-market values, including recreation and ecosystem services, of public trust resources that could be impacted by climate change and sea-level rise processes
  - i. Center for the Blue Economy library - <http://oceanomics.org/>
  - ii. Duke Marine Ecosystem Services Partnership - <http://marineecosystemservices.org/explore>
- c. Consider costs of 2030, 2050, and 2100 high sea-level rise projection with a 100-year storm
- d. Include anticipated costs of adaptation/mitigation measures, and potential benefits of such strategies and structures

## 4. Description of how trustee proposes to protect and preserve resources and structures that would be impacted by sea-level rise

- a. Describe proposed mitigation/adaptation measures, and how vulnerabilities will be addressed
- b. Describe timeframe of implementation of such measures
- c. Describe plans to monitor impacts of sea-level rise and climate change, as well as effectiveness of mitigation/adaptation measures
- d. Describe any regional partnerships the trustee is party to or intending to form that would address sea-level rise and climate change vulnerability or increase resiliency