

City of Carpinteria
General Plan/LCP Update
Sea Level Rise Vulnerability Assessment &
Adaptation Plan



As part of the General Plan/LCP update, the City of Carpinteria is preparing a Sea Level Rise Vulnerability Assessment and Adaptation Plan. The Sea Level Rise Vulnerability Assessment will enhance the understanding of potential coastal hazard impacts to the City and available adaptation strategies. Sea level rise is anticipated to have community wide effects and the vulnerability assessment can help identify potential health and safety hazards, loss of public and private property, damage to natural and cultural resources, and erosion of beaches and bluffs within City limits. The SLR vulnerability assessment will be conducted by Revell Coastal and will show projections based on best available science and data. The goals of the SLR vulnerability assessment are to:

- Identify what assets may be at risk under various SLR scenarios
- Prioritize community assets
- Develop policies in General Plan/LCP to promote resiliency and reduce exposure and risks to SLR related hazards

The new modeling as part of Santa Barbara County Coastal Resilience and USGS COSMOS 3.0 provides model projections of extents of coastal hazards with and without coastal armoring. The Sea Level Rise Vulnerability Assessment would report differences between these two scenarios as a first look at the potential risk reduction associated with maintaining the existing coastal armoring. For each of the climate impacts, we will identify existing conditions and impacts for 3 future planning horizons.

A draft of the Sea Level Rise Vulnerability Assessment and Adaptation Plan will be available for public review and comment in Summer 2018.

Input from community members and stakeholders to identify which of the City's assets are most important to protect is an important part of this process. Adaptation strategies will be selected, with public input, to help minimize impacts to these sectors.