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## Sea Level Rise – City of LA

### Rising Waters



*Flooding in San Pedro at Pacific Ave. during a severe winter storm in Jan. 2010. Image Credit: Robert Casillas*

Over the next century, sea level rise in the Los Angeles region is expected to match global projections with an increase of 0.1 – 0.6 m (5 – 24 inches) from 2000 to 2050 and 0.4 – 1.7 m (17 – 66 inches) from 2000 to 2100. Tides, wave-driven run-up and storm surge sometimes cause coastal flooding in Southern California, especially when bigwave storms occur at or near peak high tides. Sea level rise will potentially exacerbate the impacts from these events.

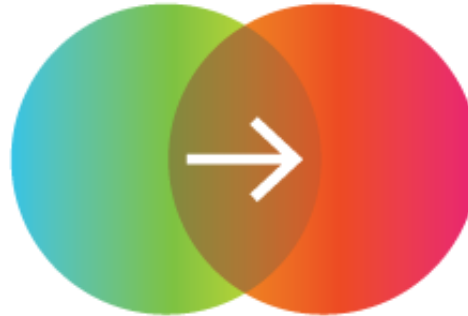
The City of L.A. owns and maintains coastal infrastructure that includes two power plants, two wastewater treatment plants, and the Port of L.A., one of the busiest in the world. A major component of L.A.'s economy is dependent upon beach tourism. In 2012, the Los Angeles region attracted over 41 million tourists, who accounted for more than \$16.5 billion in expenditures.

The University of Southern California Sea Grant Program, in partnership with the City of L.A. and with a team of science and outreach experts, developed a science-based and stakeholder-supported adaptation planning process to begin planning for the impacts of climate change. [The Sea Level Rise Vulnerability Study for the City of Los Angeles](#) was developed to begin to prepare for accelerated sea level rise

and associated storm impacts. The expert team conducted an assessment of the potential physical, social and economic impacts of sea level rise on the City’s resources and population, as well as the possible impacts to coastal and shoreline assets.

[Learn more about how the City of Los Angeles is preparing for climate change](#)

[Download the Sea Level Rise Vulnerability Study](#)



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