

**California's Fourth Climate Change Assessment:  
Technical Reports by Theme**

<i>Report Theme</i>	<i>Report Title</i>
<b>Agriculture</b>	Economic and Environmental Implications of California Crop and Livestock Adaptations to Climate Change
<b>Agriculture</b>	Increasing Soil Organic Carbon to Mitigate Greenhouse Gases and Increase Climate Resiliency for California
<b>Agriculture</b>	Carbon Sequestration and Greenhouse Gas Mitigation Potential of Composting and Soil Amendments on California's Rangelands
<b>Biodiversity &amp; Habitat</b>	Climate-Wise Landscape Connectivity: Why, How, and What Next
<b>Biodiversity &amp; Habitat</b>	San Diego County Ecosystems: Ecological Impacts of Climate Change on a Biodiversity Hotspot
<b>Energy</b>	High Resolution Measurement of Levee Subsidence Related to Natural Gas Infrastructure in the Sacramento-San Joaquin Delta
<b>Energy</b>	Assessing Extreme Weather-Related Vulnerability and Identifying Resilience Options for California's Interdependent Transportation Fuel Sector
<b>Energy</b>	The Adaption Blind Spot-Electrical Grid Teleconnected and Cascading Climate Change Impacts on Community Lifelines in Los Angeles
<b>Energy</b>	Modeling the Impact of Wildfires on California's Transmission and Distribution Grid
<b>Energy</b>	Climate Adaptive Response Estimation: Short And Long Run Impacts Of Climate Change On Residential Electricity and Natural Gas Consumption Using Big Data
<b>Energy</b>	Sixteen Ways Energy Efficiency Researchers See People & Why it Matters for Climate Change
<b>Energy</b>	Monitoring the Urban Heat Island Effect and the Efficacy of Future Countermeasures
<b>Energy</b>	Climate Change in Los Angeles County: Grid Vulnerability to Extreme Heat
<b>Energy</b>	Feather River Hydrologic Observatory: Improving Hydrological Snowpack Forecasting for Hydropower Generation Using Intelligent Information Systems
<b>Energy</b>	Potential Impacts and Adaptation Options for the Electricity System from Sea Level Rise in San Diego
<b>Energy</b>	Investigate Climate Vulnerability of the Natural Gas System and Identify Resilience Options in San Diego
<b>Forests &amp; Wildfire</b>	Fuel Treatment for Forest Resilience and Climate Mitigation: A Critical Review for Coniferous Forests of California
<b>Forests &amp; Wildfire</b>	Innovations in Measuring and Managing Forest Carbon Stocks in California
<b>Forests &amp; Wildfire</b>	The Impact of Changing Wildfire Risk on the California Homeowners' Insurance Market

<b>Governance</b>	Overcoming Organizational Barriers to Implementing Local Government Adaptation Strategies
<b>Governance</b>	Adaptation Finance Challenges: Characteristic Patterns Facing California Local Governments and Ways to Overcome Them
<b>Ocean &amp; Coast</b>	Land Acquisition and Ecosystem Carbon in Coastal California
<b>Ocean &amp; Coast</b>	Growing Effort, Growing Challenge: Findings from the 2016 California Coastal Adaptation Needs Assessment
<b>Ocean &amp; Coast</b>	California Mussels as Bio-Indicators of Ocean Acidification
<b>Ocean &amp; Coast</b>	Assessing and Communicating the Impacts of Climate Change on the California Coast
<b>Ocean &amp; Coast</b>	Identification of Natural Infrastructure Options for Adapting to Sea Level Rise
<b>Projections, Datasets, and Tools</b>	Projected Changes in California's Precipitation Intensity-Duration-Frequency Curves
<b>Projections, Datasets, and Tools</b>	Climate, Drought, and Sea Level Rise Scenarios for the Fourth California Climate Assessment
<b>Projections, Datasets, and Tools</b>	Statistical Prediction of Minimum and Maximum Air Temperature in California and Western North America
<b>Projections, Datasets, and Tools</b>	Seasonal Temperature Forecast Skill over the California Region in NMME
<b>Projections, Datasets, and Tools</b>	Cumulative global CO2 emissions and their climate impacts from local through regional levels
<b>Projections, Datasets, and Tools</b>	Projected Changes in Precipitation, Temperature, and Drought in California
<b>Projections, Datasets, and Tools</b>	Wildfire Simulations for the Fourth California Climate Assessment: Projecting Changes in Extreme Wildfire Events with a Warming Climate
<b>Projections, Datasets, and Tools</b>	Visualizing Climate-Related Risks to the Natural Gas System Using Cal-Adapt
<b>Public Health</b>	Assessing Vulnerability and Improving Resilience of Critical Emergency Management Infrastructure in California in a Changing Climate
<b>Public Health</b>	Preparing Public Health Officials for Climate Change: A Decision Support Tool
<b>Water</b>	Climate Change Risks Faced by the California Department of Water Resources
<b>Water</b>	Addressing Institutional Vulnerabilities In California's Drought Water Allocation Part 1: Water Rights Administration and Oversight During Major Statewide Droughts, 1976–2016
<b>Water</b>	Addressing Institutional Vulnerabilities In California's Drought Water Allocation Part 2: Improving Water Rights Administration and Oversight for Future Droughts
<b>Water</b>	Mean and Extreme Climate Change Impact on State Water Project
<b>Water</b>	Advancing Hydro-Economic Optimization to Identify Vulnerabilities and Adaptation Opportunities in California's Water System
<b>Water</b>	Drought Management and Climate Adaptation of Small Self-Sufficient Drinking Water Systems in California

<b>Water</b>	Development of Stage-Frequency Curves in the Sacramento – San Joaquin Bay Delta for Current Climate, Sea Level Rise and Climate Change to Inform the 2017 Central Valley Flood Protection Update
<b>Water</b>	Adapting to Climate Change and Drought in Selected California Groundwater Basins: Local Achievements and Challenges