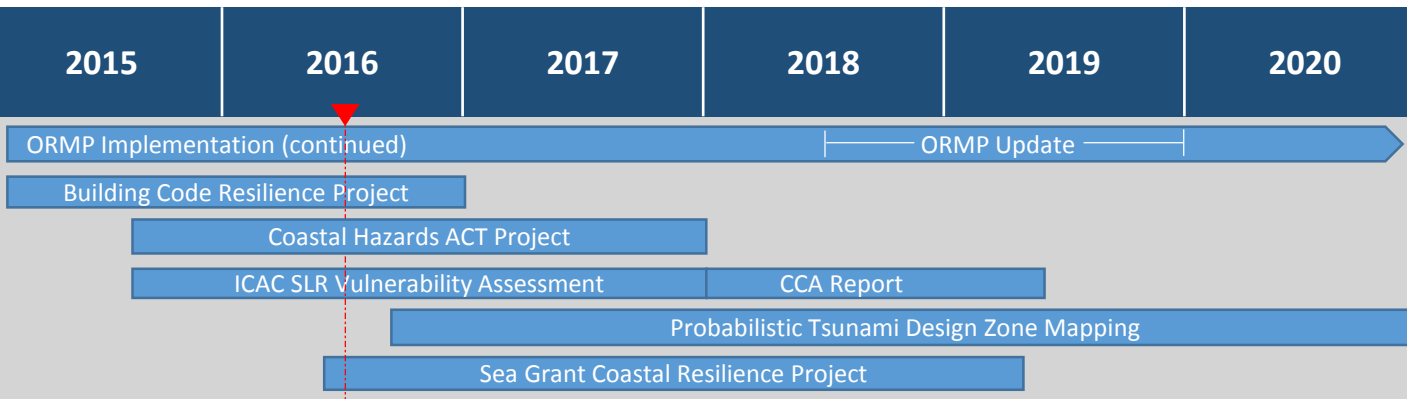


Addressing Climate Change and Coastal Hazards



❖ **Building Code Amendments to Reduce Existing and Future Stock Vulnerability to Coastal Hazards and Climate Impacts in the City & County of Honolulu, HI**

Lead Agency: OP-CZM

Funds: NOAA Coastal Resilience Grant Program

The primary goal of this project is to develop disaster resilient measures for reducing vulnerability to natural hazards with climate change effects by examining building codes currently in effect for the C&C of Honolulu and proposing code amendments to strengthen and/or replace existing regulatory standards to reduce existing and future building stock vulnerability to coastal hazards and climate impacts.

❖ **Statewide Sea Level Rise (SLR) Vulnerability Assessment and Adaptation Report**

Lead Agency: DLNR-OCCL w/OP, Co-Chairs, Interagency Climate Adaptation Committee (ICAC)

Funds: State of Hawaii, Hawaii Climate Adaptation Initiative Act (ACT 83, SLH 2014)

This initiative focuses on climate impacts related to sea level rise. DLNR-OCCL is leading the development of a SLR Vulnerability and Adaption Report which will serve as a framework for the State and the ICAC to address other climate-related threats and climate change adaptation priorities. The report also provides a framework for a Statewide Climate Adaptation Plan to be developed upon completion of the SLR Report by OP.

❖ **ORMP Appropriate Coastal Development and Management of Coastal Hazards Action Team (ACT) Project**

Lead Agency: OP-CZM

Funds: ORMP funding through OP-CZM

Project focusing on actions identified in the ACT Implementation Plan (2013-2018) to expand efforts to assess the feasibility and implications of implementing managed retreat strategies (e.g., shoreline armoring restrictions, rebuilding restrictions, structure removal requirements, acquisition and buy-out programs, conservation easements, rolling easements, etc.) to gradually shift threatened development inland and away from vulnerable coastal areas.

❖ **Building Resilience to Coastal Hazards and Climate Change in Hawaii**

Lead Agency: UH Sea Grant

Funds: NOAA Regional Coastal Resilience Grants Project Program

The overarching goal for this project is to increase community resilience to coastal hazards and impacts from climate change and sea level rise in Hawaii. The multi-year project aims to meet the goal through three sub-projects: (1) a “Web-based Hazard Exposure and Vulnerability Mapping Tool,” including erosion and coastal inundation hazard exposure with SLR to improve access to high-resolution geospatial data related to coastal hazards and to support resilience planning, (2) “Guidelines for Integrating Coastal Resilience into Existing Planning Frameworks” to increase the number of plans and policies that address coastal hazards and climate change impacts, and (3) “Guidelines and Training for Post-Disaster Rebuilding and Recovery” to improve the ability of island communities to prepare for, adapt to, and recover from coastal disasters.