

CITY CLIMATE CHANGE COMMISSION

- Required to meet at least 2x/yr
- First met on February 7, 2018
- Have met 12x in 13 months

www.resilientoahu.org/about-the-commission



CITY CLIMATE CHANGE COMMISSION

- June 5, 2018, adopted:
 - Climate Change Brief
 - Sea Level Rise Guidance

www.resilientoahu.org/guidance-and-publications





July 16, 2018, Mayor's Directive on Climate Change (Directive 18-2):
 "... the need for both climate change mitigation and adaptation...
 take a proactive approach in both reducing greenhouse gas emissions and adapting to impacts..."

www.resilientoahu.org/s/Mayors-Directive-18-02.pdf

PROJECT DESIGN/REVIEW EXAMPLES

- City Center rail station areas planning and design (HART)
 - Prior to Directive 18-2, proactively increased SLR design parameters from 2014 data to 2017 State Report data
- Iwilei-Kapālama (DPP, DDC, CCSR)
 - Kapālama Canal, updated SLR data and design conditions for catalytic linear park project
 - I-K Infrastructure Needs Assessment
- Sand Island Wastewater Treatment Plant Secondary Treatment Facility (ENV)
 - Inclusion of 6 ft SLR, high wave flooding, plus additional uncertainty risk factors for preliminary grading designs
- Standard Comments for action reviews (DPP)

PRIMARY URBAN CENTER DEVELOPMENT PLAN



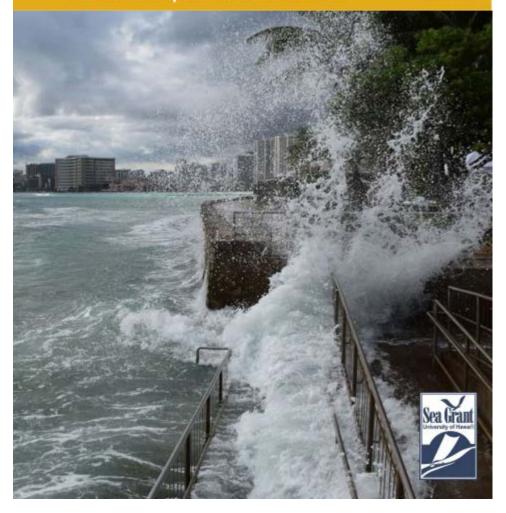
https://www.pucdp.com/copy-of-background-documents

- Land Use & Zoning Recommendations
- Use of data
- SLR-XA maps at summer workshops for targeted community engagement on land use strategies
- Concurrently, TOD Climate Adaptation
 Guidelines (DPP, Resilience Office)
- HB1487 HD1 SD2, "Establishes the Honolulu shoreline climate protection project..."

Sea Level Rise & Climate Change



Final White Paper - December 2018



COASTAL INFRASTRUCTURE & CONTINUED RESEARCH

- Board of Water Supply, Impacts of Climate Change on Honolulu Water Supplies and Planning for Mitigation
- Environmental Services & UH Sea Grant, Assessing the Vulnerability of Coastal Wastewater Infrastructure to Climate Change
- UH research on specific flooding type impacts – coastal, drainage, and groundwater
- UH Coastal Lands Data Center shoreline change web viewer tools and future erosion

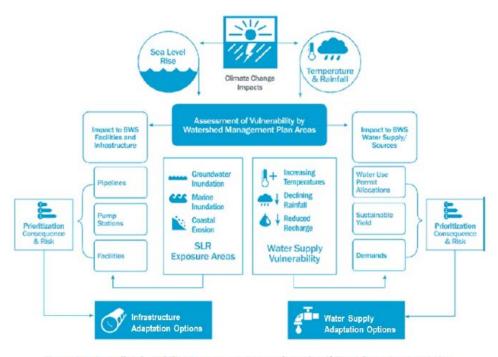
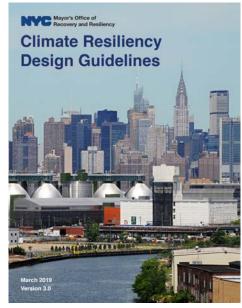


Figure 4-1. Overall Vulnerability Assessment Approach to Identifying Adaptation Strategies.

BWS

RESILIENCE STRATEGY & HAZARD MITIGATION PLAN

- Building Code Updates
- Shoreline Setback & Special Management Area Regulations
- Future Conditions Climate Resilience Design Guidelines
- Long-Term Disaster Recovery Plan
- Climate Adaptation Strategy (and future Hazard and Climate Resilience Plan)
- Beach partnerships
- Community Rating System







CITY -STATE - FEDERAL COORDINATION, examples

- San Diego, CA: MOA between Commander, Navy Region SW and San Diego Unified Port District regarding Coordination and Cooperation Related to Potential Sea Level Rise in the San Diego Bay Region
- Norfolk & Virginia Beach, VA: Joint Land Use Study for Navy installations located in the Cities of Norfolk and Virginia Beach
- State TOD Council Planning and Infrastructure Coordination between the State & City, Iwilei-Kapālama



DPP, PUC DP SLR and Climate Change White Paper

IMPLEMENTATION & BUDGETING CONSIDERATIONS

- Infrastructure project review process (NOLA)
- Longer-term 10-year Capital and 5-year Financial Plan (SF)
- Hazard Mitigation Plan and CIP alignment (NOLA)
- "Green procurement code" (King County, WA)
- Bulk fund for integrated planning and design