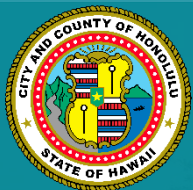


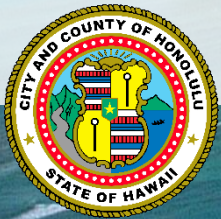


Sea Level Rise Actions Update State Climate Change Mitigation & Adaptation Commission – Sept 4, 2019



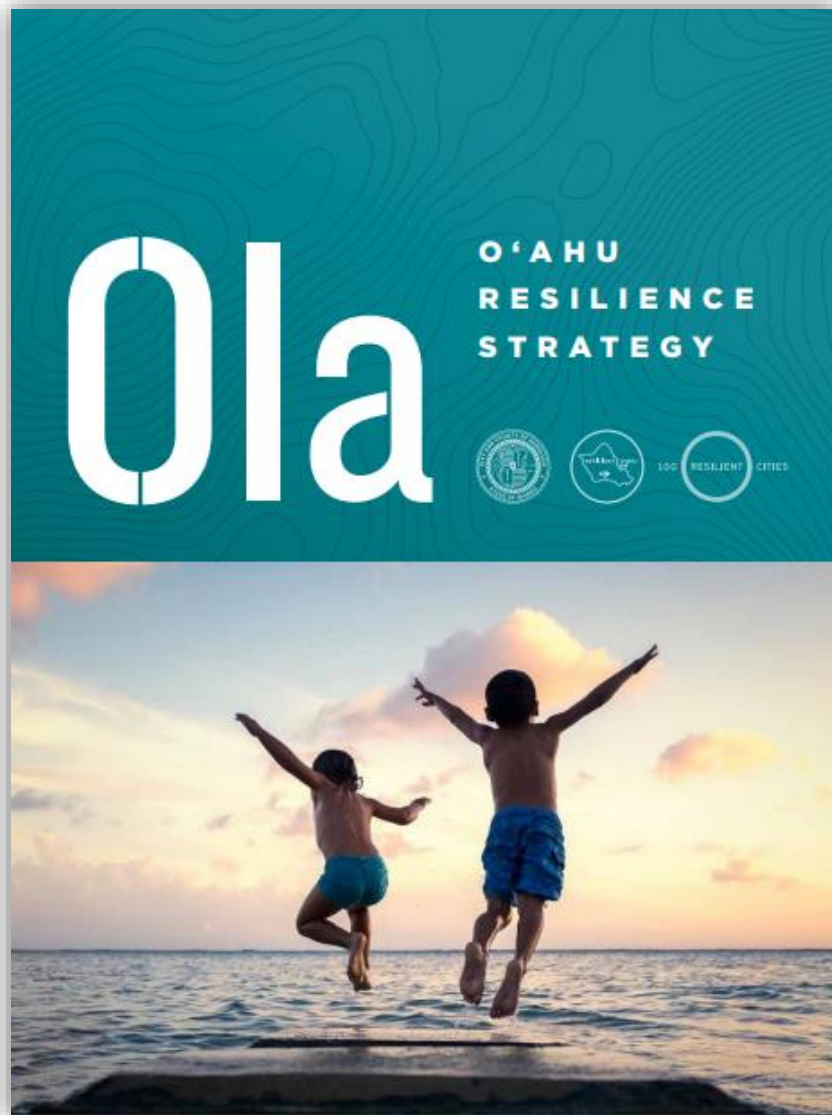
City and County of Honolulu
Office of Climate Change, Sustainability and Resiliency





Office of Climate Change, Sustainability and Resiliency

O'ahu Resilience Strategy





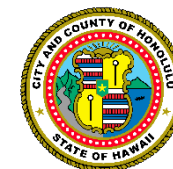
Bouncing Forward

Action 13: **Increase Flood Insurance** **Affordability for O'ahu** **Residents**

Insurance Premium Reductions
Improved Flood Risk Comprehension
Improved Data and Information
Increased Flood Insurance Coverage
Improved Flood Management Practices



Photo Credit: Rick Wagner





Bouncing Forward

Action 14: **Establish Future Conditions Climate Resilience Design Guidelines**

Forward-looking Design Parameters for:

Heat

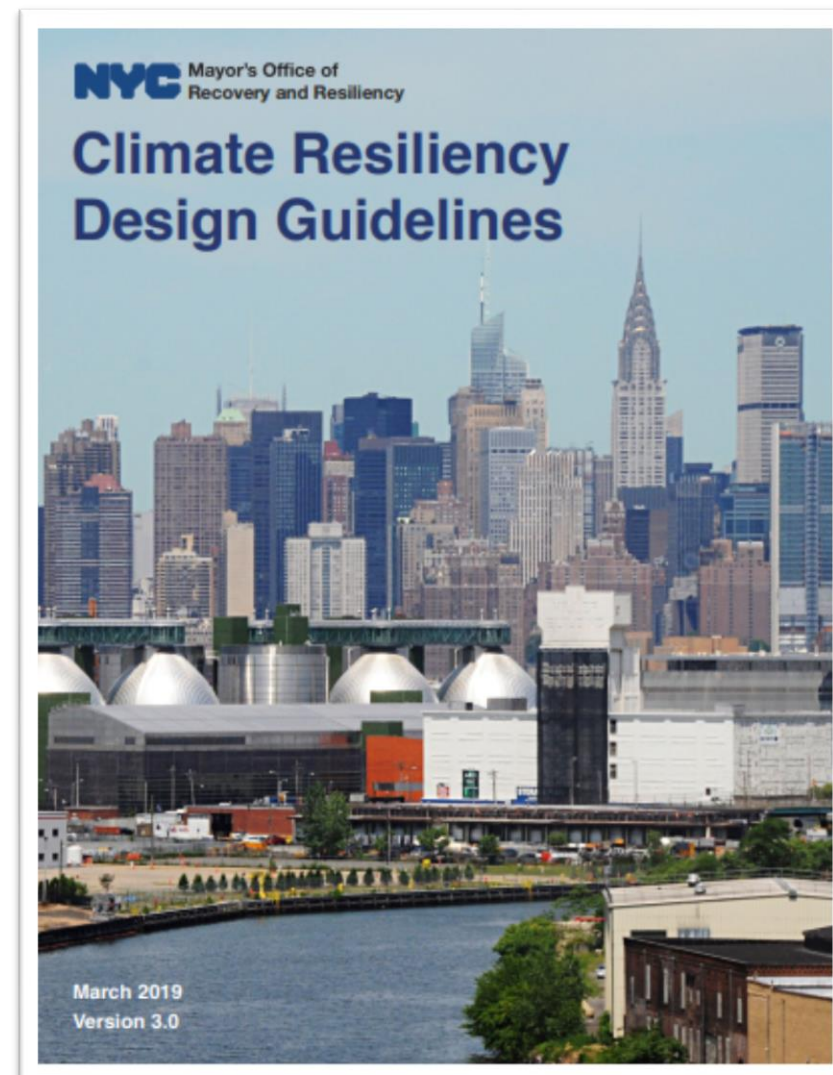
Wind

Flooding

Sea Level Rise

+*Waikīkī Special District Design Guidelines,*
TOD Design Guidelines

www.resilientoahu.org/resilience-strategy





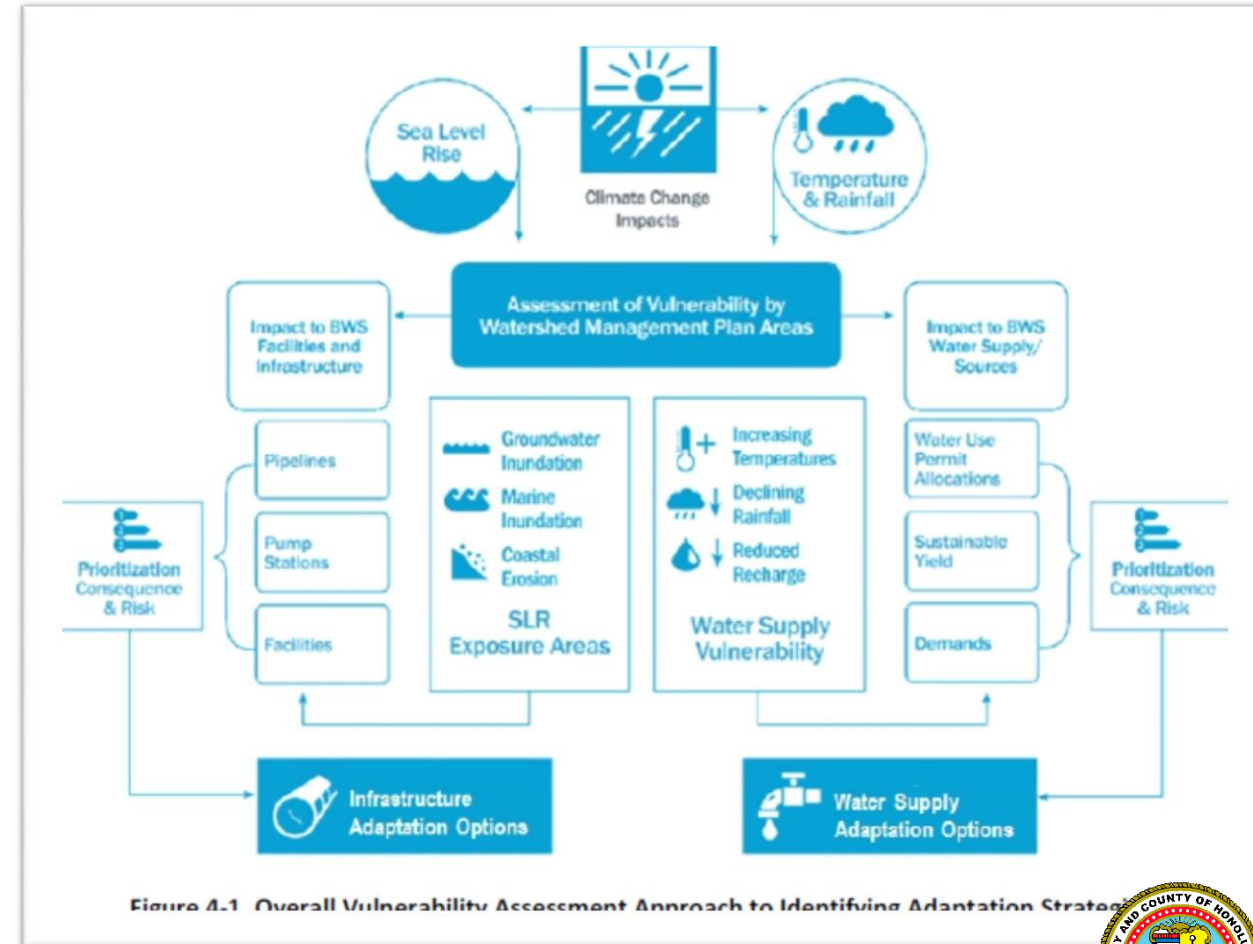
Climate Security

Action 28: **Chart a Climate Resilient Future by Creating and Implementing a Climate Adaptation Strategy**

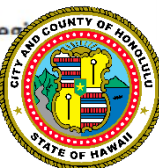
- (1) Vulnerability assessment for City infrastructure
- (2) ID climate-driven risks to critical infrastructure, assets, and populations
- (3) Evaluation/ranking of risks to ID near-term threats
- (4) Mitigation plans to protect core infrastructure and assets
- (5) Coordination of adaptation options across multiple departments and shared infrastructure needs
- (6) Recommendation for Capital Improvement Projects and funding vehicles to address shared solutions
- (7) Key recommendations for land use and policy changes to reduce risk exposure to climate change impacts

+Hawai'i Fresh Water Initiative and One Water

www.resilientoahu.org/resilience-strategy



Graphic Credit: Board of Water Supply





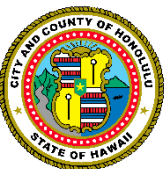
Climate Security

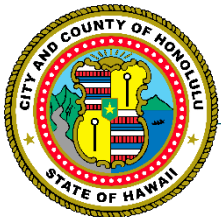
Action 29: **Protect Beaches and Public Safety** **with Revised Shoreline** **Management Rules**

ROH Ch. 23 DPP/Resilience Office/UH Working Group,
FEMA HMGP proposal under review
(possibly ROH Chs. 23, 25, 21A)



Photo Credit: UH Sea Grant College Program





PRIMARY URBAN CENTER DEVELOPMENT PLAN



Land Use & Zoning Recommendations
Use of Data
Community Engagement – 12 Pop-ups



 **puc_hnl** • Follow
Pearlridge Farmers Market

 **puc_hnl** We're set up at Pearlridge Farmers Market! Stop by for your breakfast, veggies, and then swing by our tent to talk #sealevelrise.


#climatechange #urbanplanning
#futureplanning #environment
#environmentalplanning
#placemaking #communityplanning
#metrohonolulu #coastalhazards


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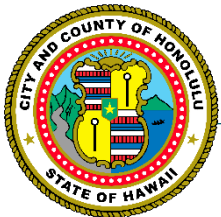
www.pucdp.com, @puc_hnl (IG) & @HonoluluPUCDP (FB)

Sea Level Rise & Climate Change
Final White Paper – December 2018

 PRIMARY URBAN CENTER
Honolulu, Hawaii

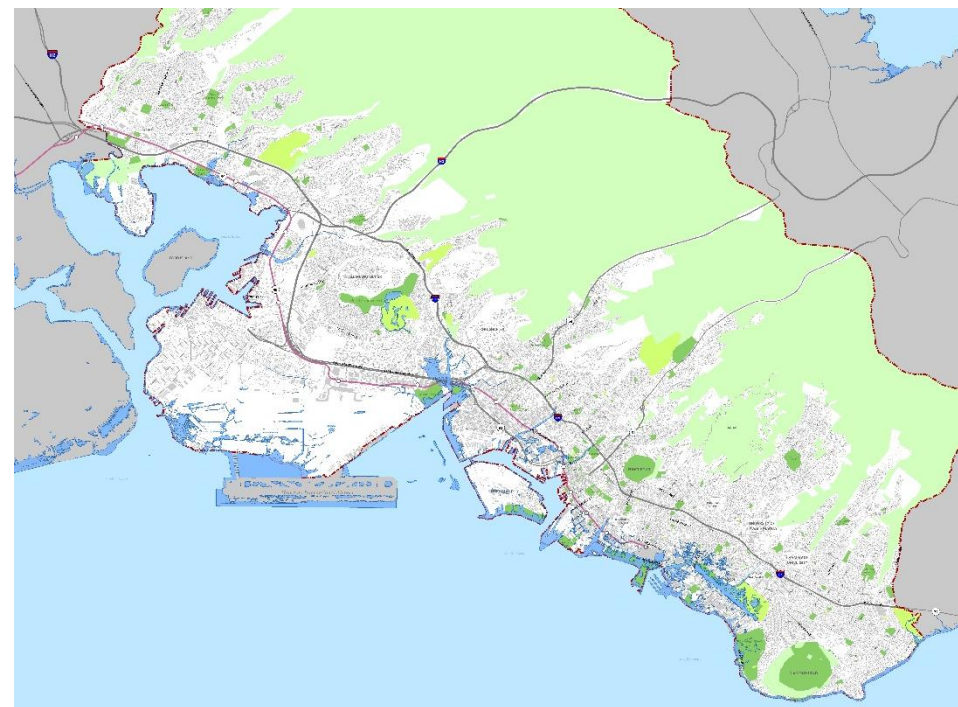


 Sea Grant
University of Hawaii



CITY –STATE – FEDERAL COORDINATION, *examples*

- **Meetings with NAVFAC Hawai‘i**, SLR as an “encroachment”
- **Investigating MOU and coordinated SLR effort inclusive of the State**
- **US DoD Office of Economic Adjustment, Community Economic Adjustment Assistance for Responding to Threats to the Resilience of a Military Installation**
- **State TOD Council Planning and Infrastructure Coordination between the State & City**, Iwilei-Kapālama
- **State DOT Highways, County and Community engagement re: land use, access, etc.**



*DPP, PUC DP
SLR and Climate Change White Paper*