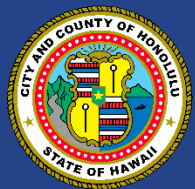




Climate Ready O'ahu

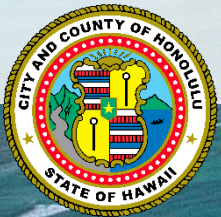
PICHTR Webinar / Design & Sea Level Rise, Nov. 18, 2020



City and County of Honolulu

Office of Climate Change, Sustainability and Resiliency





Planning for HI's Climate Change Adaptation

2017

- [We Are Still In](#), Paris Climate Agreement
- [Act 32 \(2017\)](#), State Climate Change Mitigation and Adaptation [Commission](#)
- [Chicago Climate Charter](#)
- [Clean Transportation Commitment](#)
- State Sea Level Rise Vulnerability and Adaptation [Report and Data Viewer](#)

2018

- City Climate Change Commission [Brief and Guidance](#)
- [Directive 18-2](#), Climate Change and Sea Level Rise
- [Act 15 \(2018\)](#), State Carbon Neutrality Law
(plus 100% Renewable in the Electricity Sector)
- [Res 18-221](#), 100% Renewable, Carbon Neutral Economy, Implement 2018 Global Climate Action Summit Goals

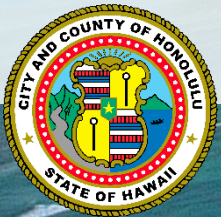
2019

- [City GHG Inventory](#)
- Climate Resilience added as Mayor priority
- [Resilience Strategy](#) released
- [Res 19-233](#), Resilience Strategy as City guiding policy
- [Res 19-283](#), Fossil Fuel Litigation
- [Multiple bills and ordinances](#)

2020

- [Multiple bills and ordinances](#)
- [Directive 20-14](#), Community Heat and Community Forestry
- [Hawai'i 2050 Sustainability Plan update](#)
- [Act 16 \(2020\)](#), Relating to Coastal Zone Management





Planning for HI's Climate Change Adaptation

2.1 - Planning and Implementation Structure

honoluluodpp.org/Portals/0/pdfs/planning/NB_Guide_Sept_2015.pdf

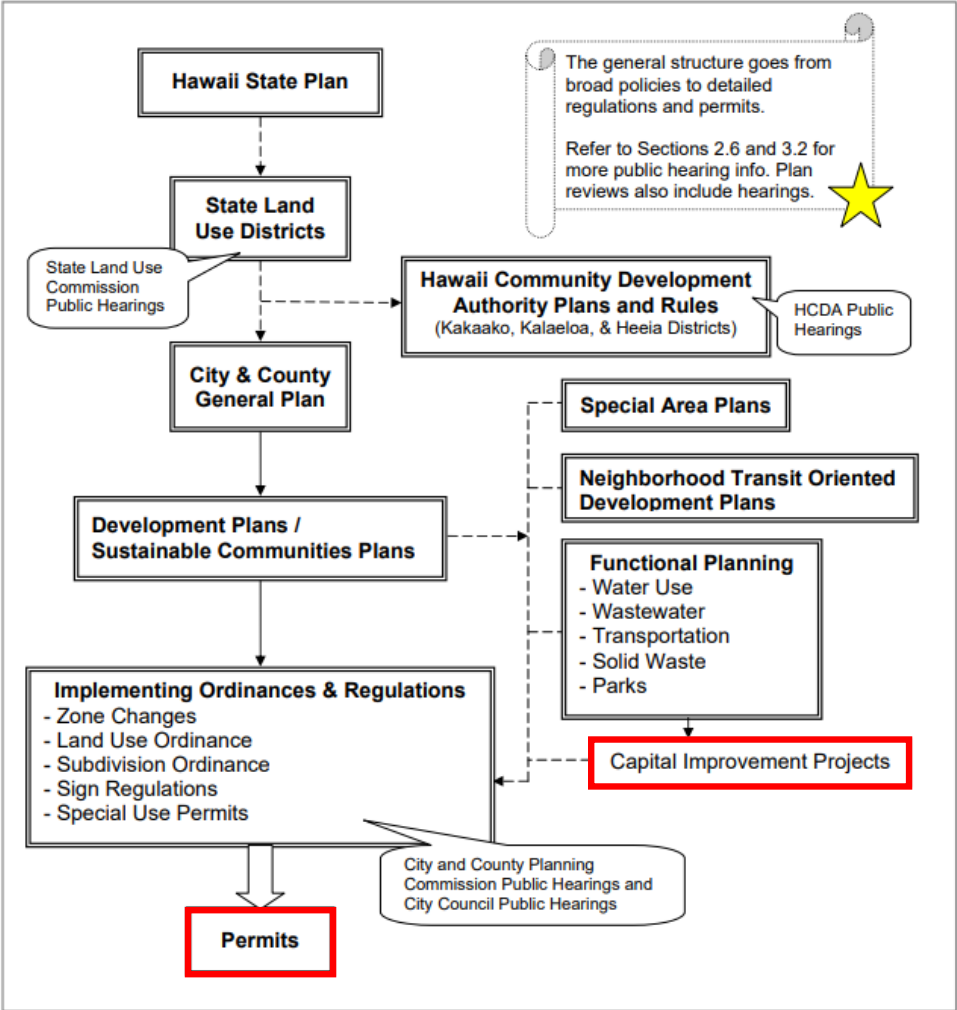
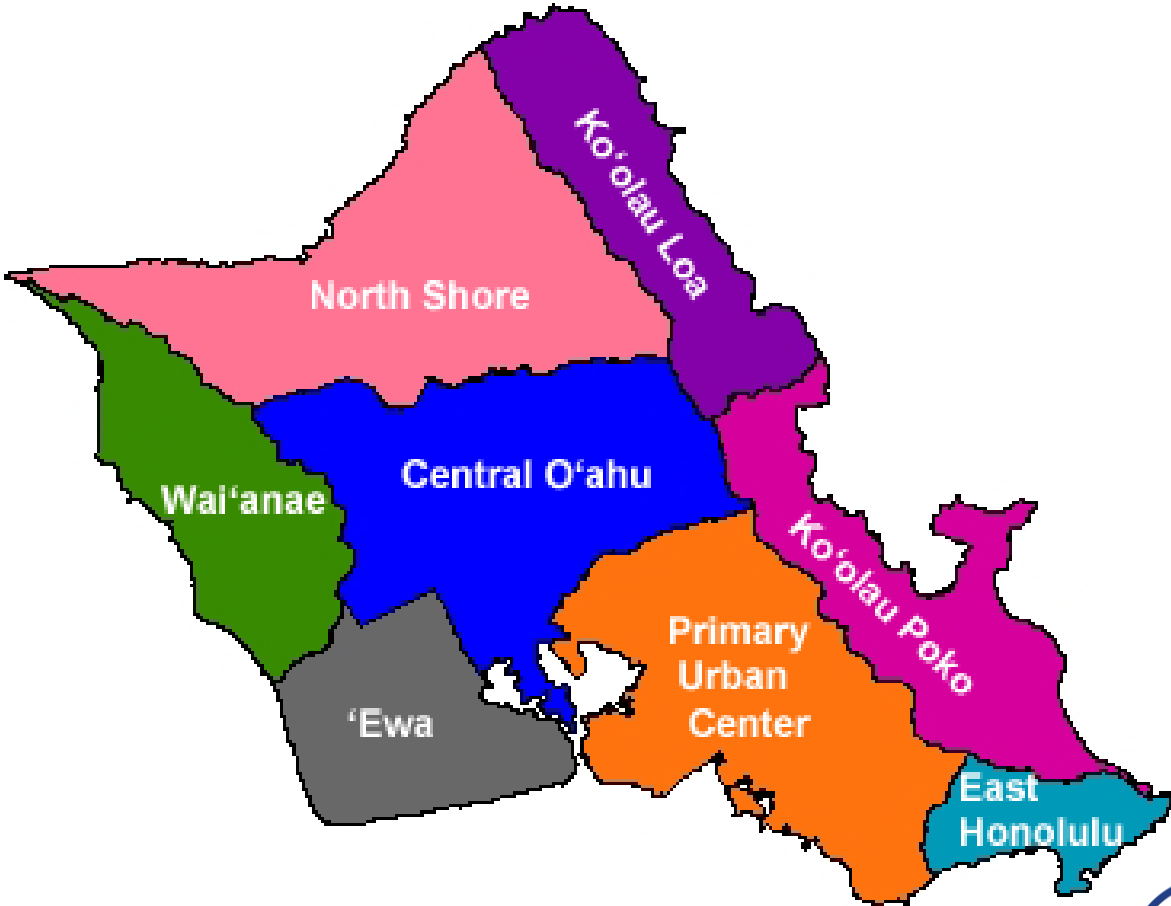


Figure 1 – Basic Components of Planning in Oahu



honoluluodpp.org/Planning/DevelopmentSustainableCommunitiesPlans

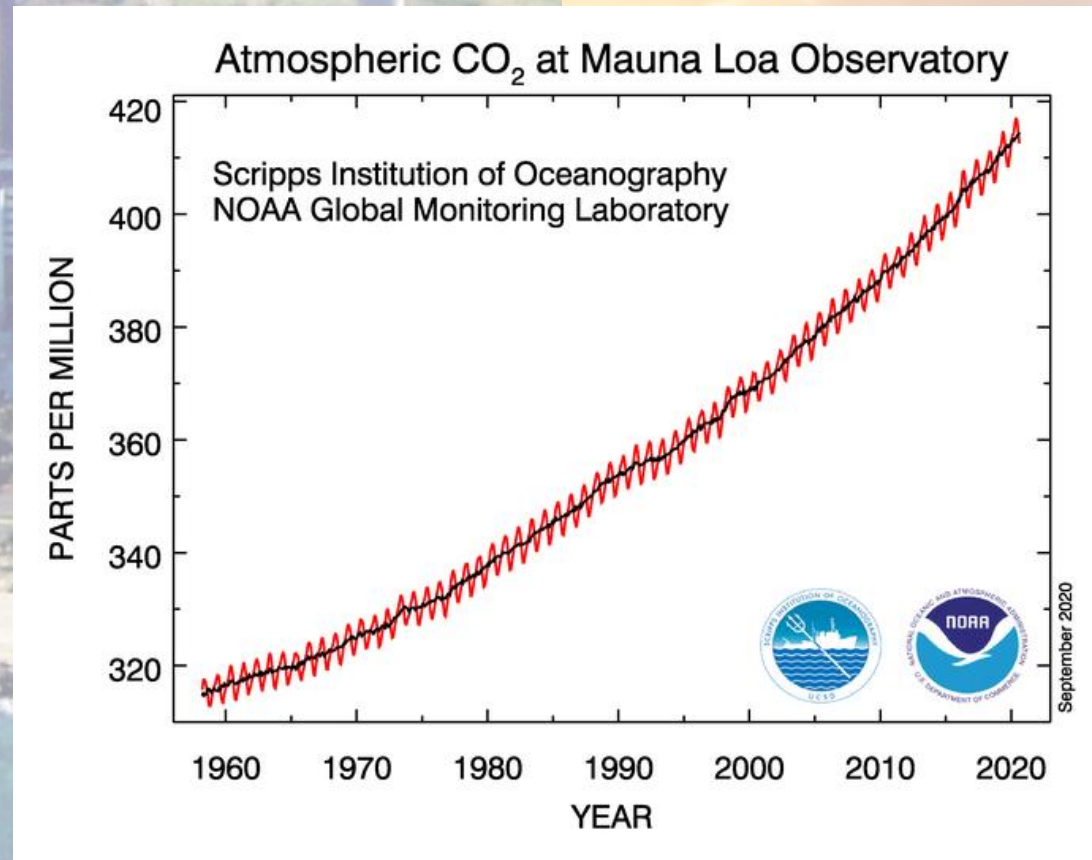


Our Climate



We are dumping 110 million tons of manmade global heating pollution into the atmosphere every 24 hours.

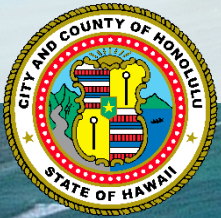
Data: Intergovernmental Panel on Climate Change



Change on the Horizon

Climate Action Plan
New Codes and Design Guidelines
Transparency and Disclosure
Climate Adaptation Strategy
Updated Shoreline Management
Beach Preservation
Coastal Partnerships
Urban Heat Mitigation
Flooding and Stormwater Solutions





Climate Change Brief & Climate Hazard Impacts

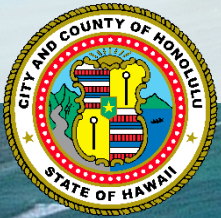


Sea Level Rise and Coastal Hazards

Rainfall

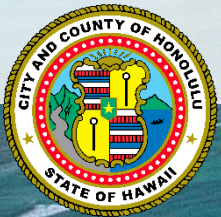
Heat





Climate Change Brief & Climate Hazard Impacts

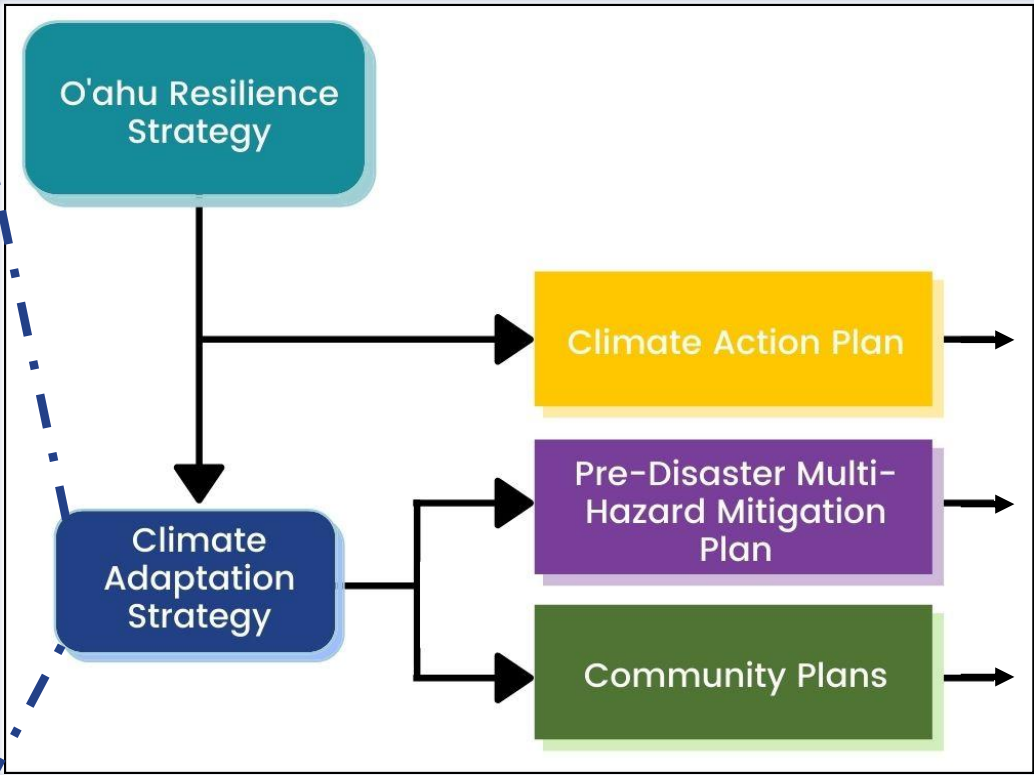
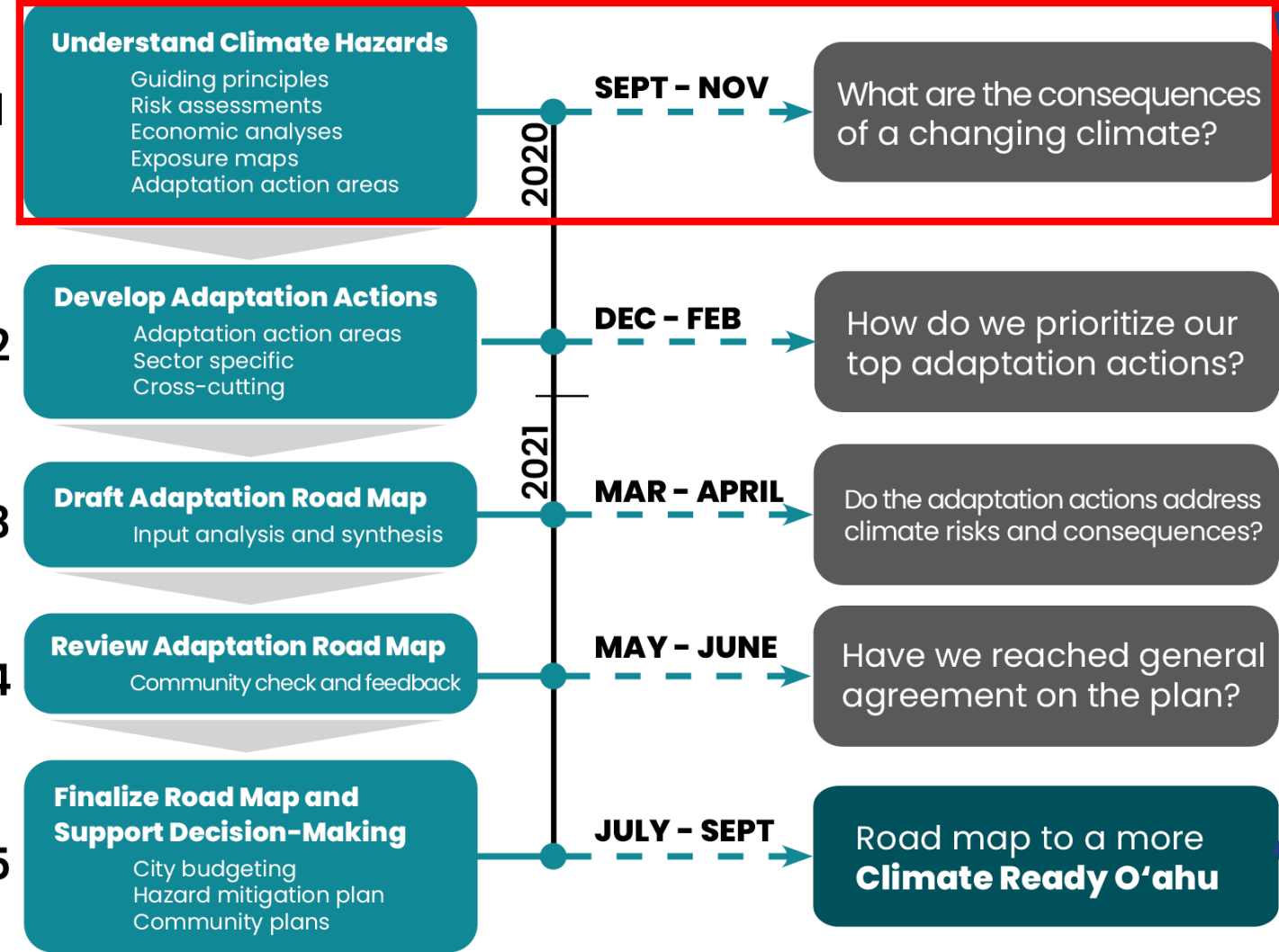




Climate Ready O’ahu Project Overview

Phase and Topics

Timeframe and Key Questions

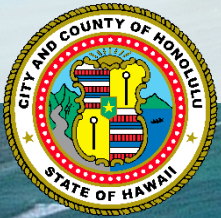




Opportunities Expectations

Obligations Risks





Climate Costs



Recreation/Community Facilities

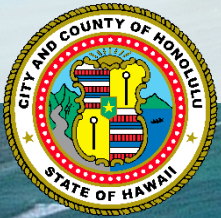


Private Residences/Public Resources



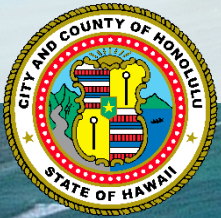
Businesses/Redevelopment





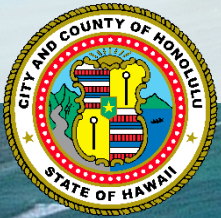
Climate Costs





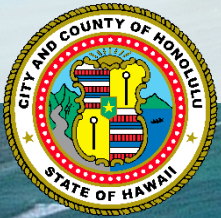
Climate Costs





Climate Costs





Who Pays the Climate Tab?

City sues fossil fuel businesses over climate change costs

By [Nina Wu](#) - March 10, 2020



CRAIG T. KOJIMA / CKOJIMA@STARADVERTISER.COM

City leaders Monday discussed the filing of a lawsuit alleging that large fossil fuel companies are accountable for the costs and consequences of climate change that companies knowingly inflicted on Honolulu and its taxpayers. Department of Facility Maintenance Director Ross Sasamura, left; Council Budget Chairman Joey Manahan; Chief Resilience Officer and Executive Director of the Office of Climate Change, Sustainability and Resiliency Josh Stanbro; and Acting Corporation Counsel Paul Aoki held the news conference.

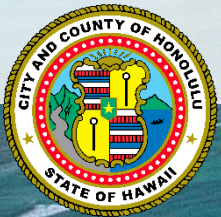
Resolution 19-283

Adopted Nov. 12, 2019



Authorize the Department of the Corporation Counsel to initiate legal action against fossil fuel companies to recover climate crisis-related costs





Climate Change Commission Guidance



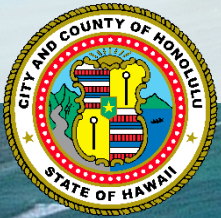
Climate Change Brief

Adopted June 5, 2018

This brief describes the local, regional, and global impacts of climate change as documented by peer-reviewed scientific literature and credible empirical data sources. It provides a benchmark for the commission, attesting to the Climate Change Commission's concerns, underpinning the Commission's decisions and recommendations, and serving to inform those the Commission serves.

Download





Climate Change Commission Guidance



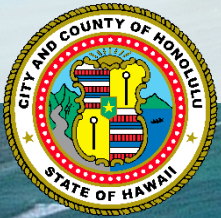
Sea Level Rise Guidance

Adopted June 5, 2018

This report builds on findings in the [Hawai'i Sea Level Rise Vulnerability and Adaptation Report \(2017\)](#), Sweet et al. (2017), USGCRP (2017), Sweet et al. (2018), and other scientific literature to provide specific policy and planning guidance on responding to sea level rise by the City.

Download





Climate Change Commission Guidance



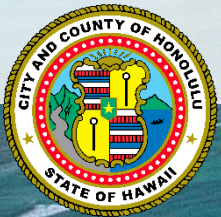
Shoreline Setback Guidance: ROH Ch. 23

Adopted Dec. 23, 2019

The Hawai'i Revised Statutes (HRS), Chapter 205A, authorizes the City to establish a coastal setback and to revise it as appropriate. Mayor Caldwell requested that the Commission provide guidance on new shoreline regulations and rules. In response, this document provides recommendations for amending the Revised Ordinances of Honolulu 1990 (ROH), Chapter 23, "Shoreline Setbacks."

Download





Climate Change Commission Guidance



Climate Change and Financial Risk Guidance

Adopted July 14, 2020

The purpose of this guidance document is to provide considerations of the emerging financial risks affiliated with climate change, particularly climate shocks and stressors relevant to the City & County of Honolulu. This prompts the need to critically examine the nature of hazards, current insurance information and mechanisms used by the City, as well as general practices of public finance. This guidance document highlights potential alternative risk transfer options to address climate change shocks as well as discusses City public finance in the context of climate change stressors.

[Download Guidance](#)

[Download Memo](#)

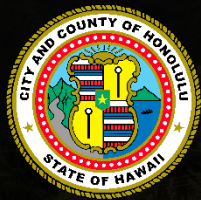




Mahalo



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