

PMLIA Subcommittee Research Questions - Climate Change

Last updated Sep 27, 2021

Climate Change Reading Materials

Climate Change 2021: The Physical Science Basis (Working Group I)

The Working Group I contribution to the Sixth Assessment Report addresses the most up-to-date physical understanding of the climate system and climate change, bringing together the latest advances in climate science, and combining multiple lines of evidence from paleoclimate, observations, process understanding, and global and regional climate simulations. Note that there are two additional Working Groups who are in the process of drafting reports (“Impacts, Adaptation and Vulnerability” and “Mitigation of Climate Change”). All three reports make up the full Sixth Assessment Report.

Summary documents for The Physical Science Basis report

1. [Climate Change 2021: The Physical Science Basis - Summary for Policymakers](#)
The IPCC’s 42-page summary, which is less technical and geared towards policymakers.
2. [Headline Statements from the Summary for Policymakers](#)
A 2-page bullet-point summary of the report headlines and main points. Published by the IPCC.

Helpful summaries from the press

- [World Resources Institute’s “5 Big Findings from the IPCC’s 2021 Climate Report”](#)
- [New York Time’s “A Hotter Future Is Certain, Climate Panel Warns. But How Hot Is Up to Us.”](#)
- [NPR’s A Major Report Warns Climate Change Is Accelerating And Humans Must Cut Emissions Now](#)

Bay Area impacts and projects, based on IPCC’s The Physical Science Basis report

[Regional fact-sheet for North and Central America](#)

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IPCC's summary of regionalized anticipated impacts.

[ABC7 News: UN climate report puts focus on sea level rise threat to San Francisco Bay](#)

Recent news report from ABC discussing more local impacts on the SF Bay Area.

[California's Fourth Climate Change Assessment: San Francisco Bay Area Region Report](#) (2019)

Not in response to the recent IPCC report, but a helpful resource focusing on Regional Climate Science, Social Systems and Built Environment, and Natural and Managed Resource Systems.

Climate Change Commissions Established by City Charter

City & County of Honolulu

In 2016, Honolulu voters approved a charter amendment establishing the City and County of Honolulu ("City") Office of Climate Change, Sustainability and Resiliency and the Honolulu Climate Change Commission.

Charter language:

[Section 6-107. Office of Climate Change, Sustainability and Resiliency –](#)

There shall be an office of climate change, sustainability and resiliency headed by an executive for climate change, sustainability and resiliency who shall be appointed and may be removed by the mayor. The executive for climate change, sustainability and resiliency shall:

- (a) Seek local information from scientists and track climate change science and potential impacts on city facilities.
- (b) Coordinate actions and policies of departments within the city to:
 - (1) Increase community preparedness.
 - (2) Protect economic activity.
 - (3) Protect the coastal areas and beaches.
 - (4) Develop resilient infrastructure in response to the effects from climate changes.
- (c) Develop or coordinate city policies and programs that will improve environmental performance of city operations and advance environmental priorities.
- (d) Integrate sustainable and environmental values into city plans, programs and

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policies.

(e) Promote resiliency of communities and coastal areas.

(f) Report to the mayor and council regarding overall performance in meeting sustainability and environmental targets and objectives.

(g) Coordinate with federal and state agencies regarding climate change, sustainability and the environment.

(h) Convene a climate change commission consisting of five members with expertise in climate change in Hawaii, which Commission shall meet no less than twice annually for the purpose of gathering the latest science and information on climate change effects in the city and providing advice as is deemed appropriate to the executive for climate change and sustainability, the mayor, council and executive departments of the city.

(2016 General Election Charter Amendment Question No. 7)