

1 ecosystems and the natural environment, extended drought and
2 loss of soil moisture, an increase in the spread of infectious
3 diseases, and an increase in the severity of storms and extreme
4 weather events." Countless scientific studies have concluded
5 that greenhouse gas emissions are a leading contributing factor
6 to global warming. The purpose of Act 234 was to achieve a
7 cost-effective statewide greenhouse gas emissions limit at or
8 below the State's greenhouse gas emissions estimates of 1990 by
9 2020. However, even if greenhouse gas emissions are reduced to
10 1990 levels, Hawai'i will still be significantly impacted by
11 climate change well into the future, thus the legislature
12 acknowledges that climate change requires a two-pronged approach
13 — reduction of activities that contribute to global warming and
14 adaptations to mitigate the impacts of climate change on the
15 State.

16 Act 73, Session Laws of Hawaii 2010, established the
17 environmental response, energy, and food security tax, otherwise
18 known as the barrel tax, to provide resources for addressing the
19 effects of climate change. Act 286, Session Laws of Hawaii
20 2012, amended the Hawaii State Planning Act to establish climate
21 change adaptation priority guidelines, which require that all



1 county and state activities consider the impacts of climate
2 change in land use, capital improvement, and program decisions.
3 The legislature also finds that in 2013, President Barack Obama
4 appointed former Governor Neil Abercrombie to serve on the
5 President's Task Force on Climate Preparedness and Resilience to
6 develop recommendations on how the federal government can better
7 support state, local, and tribal efforts in climate mitigation,
8 adaptation, and resilience in the areas of Disaster Management;
9 Built Systems (water, transportation, energy, facilities, and
10 coastal infrastructure); Natural Resources and Agriculture; and
11 Community Development and Health. The Hawaii Climate Adaptation
12 Initiative Act, Act 83, Session Laws of Hawaii 2014, established
13 an Interagency Climate Adaptation Committee and authorized the
14 Department of Land and Natural Resources and Office of Planning
15 to create a Sea Level Rise Vulnerability and Adaption Report by
16 December 2017. Act 83 further authorized the Office of Planning
17 to coordinate development of statewide climate adaptation plans
18 to address the effects of climate change through 2050 to protect
19 the State's economy, health, environment, and way of life.

20 In September 2016, the International Union for the
21 Conservation of Nature at the Hawaii World Conservation



1 Conference adopted The Pacific Region Climate Resiliency Plan
2 and the Aloha+ Challenge Model for Sustainable Development
3 Policy Motions to facilitate climate mitigation, adaption, and
4 resiliency efforts in the Pacific region.

5 The legislature further finds that on December 12, 2015,
6 one hundred ninety-five countries at the 21st Conference of the
7 Parties of the United Nations Framework Convention on Climate
8 Change adopted an agreement addressing greenhouse gas emissions
9 mitigation, adaptation, and finance starting in the year 2020,
10 known as the Paris Agreement. Under the Agreement, the parties
11 will set greenhouse gas reduction goals, record and communicate
12 information through a transparency mechanism, and provide
13 support to undeveloped countries through a finance mechanism.
14 Specifically, the Paris Agreement aims to strengthen the global
15 response to the threat of climate change, in the context of
16 sustainable development and efforts to eradicate poverty,
17 including by:

- 18 (1) Holding the increase in the global average temperature
19 to well below 2 degrees Celsius above pre-industrial
20 levels and pursuing efforts to limit the temperature
21 increase to 1.5 degrees Celsius above pre-industrial



- 1 levels, recognizing that this would significantly
2 reduce the risks and impacts of climate change;
- 3 (2) Increasing the ability to adapt to the adverse impacts
4 of climate change and foster climate resilience and
5 low greenhouse gas emissions development, in a manner
6 that does not threaten food production; and
- 7 (3) Making finance flows consistent with a pathway toward
8 low greenhouse gas emissions and climate-resilient
9 development.

10 The Agreement will be implemented to reflect equity and the
11 principle of common but differentiated responsibilities and
12 respective capabilities, in light of different national
13 circumstances. The Paris Agreement was adopted on November 4,
14 2016, and is the largest concerted global effort to combat
15 climate change to date. Regardless of federal action, the
16 legislature supports the goals of the Paris Agreement to combat
17 climate change and its effects on environments, economies, and
18 communities around the world.

19 Therefore, the purpose of this part is to document the
20 State's commitment to combat climate change by systematically
21 reducing greenhouse gas emissions and improving our resiliency



1 to climate change aligned with the principles and contributing
2 to the goals set by the Paris Agreement.

3 The State recognizes that to promote a statewide response
4 to climate change collaboration and cooperation are needed in:

- 5 (1) Early warning systems;
- 6 (2) Emergency preparedness;
- 7 (3) Slow onset events;
- 8 (4) Events that may involve irreversible and permanent
9 loss and damage;
- 10 (5) Comprehensive risk assessment and management;
- 11 (6) Risk insurance facilities, climate risk pooling, and
12 other insurance solutions;
- 13 (7) Non-economic losses; and
- 14 (8) Resilience of communities, livelihoods, and
15 ecosystems.

16 SECTION 2. (a) The State shall expand strategies and
17 mechanisms to reduce the greenhouse gas emissions statewide
18 through the reduction of energy use, adoption of renewable
19 energy, and control of air pollution among all agencies,
20 departments, industries, and sectors, including transportation.
21 Such strategies and mechanisms shall utilize the best available



1 science, technologies, and policies to reduce greenhouse gas
2 emissions and shall be closely aligned with the climate change
3 principles and goals adopted in the Paris Agreement and Hawaii's
4 share of obligations within the expectations apportioned to the
5 United States in the Paris Agreement, regardless of federal
6 action.

7 (b) The State shall strive to formulate and communicate
8 long-term low greenhouse gas emission development strategies and
9 shall take actions to conserve and enhance long-term sinks and
10 reservoirs of greenhouse gases, by prioritizing the development
11 of parks, greenways, and restoration of native upland and
12 coastal forests and wetlands.

13 PART II

14 SECTION 3. Chapter 225P, Hawaii Revised Statutes, is
15 amended by amending its title to read as follows:

16 **"HAWAII CLIMATE CHANGE MITIGATION AND ADAPTATION INITIATIVE"**

17 SECTION 4. Section 225P-2, Hawaii Revised Statutes, is
18 amended as follows:

19 1. By adding a new definition to be appropriately inserted
20 and to read:



1 "Commission" means the Hawaii climate change mitigation
2 and adaptation commission."

3 2. By repealing the definition of "committee".

4 ~~["Committee" means the interagency climate adaptation~~
5 ~~committee."]~~

6 SECTION 5. Section 225P-3, Hawaii Revised Statutes, is
7 amended to read as follows:

8 "~~{}~~ §225P-3 ~~{}~~ ~~[Interagency climate adaptation committee,]~~
9 Hawaii climate change mitigation and adaptation commission;

10 general functions, duties, and powers. (a) There is
11 established ~~[an interagency climate adaptation committee]~~ the
12 Hawaii climate change mitigation and adaptation commission that
13 shall be placed within the department of land and natural
14 resources for administrative purposes only.

15 (b) Coordination of the ~~[committee]~~ commission shall be
16 headed jointly by the chairperson of the board of land and
17 natural resources, or the chairperson's designee, and the
18 director of the office of planning, or the director's designee.
19 ~~[Among the various potential impacts of climate change, the~~
20 ~~committee shall, as a first step, focus on and develop sea level~~
21 ~~rise vulnerability and adaptation reports that shall include:~~



- 1 ~~(1) Identification of the major areas of sea level rise~~
- 2 ~~impacts affecting the State and counties through 2050;~~
- 3 ~~(2) Identification of expected impacts of sea level rise~~
- 4 ~~based on the latest scientific research for each area~~
- 5 ~~through 2050;~~
- 6 ~~(3) Identification of the economic ramifications of sea~~
- 7 ~~level rise;~~
- 8 ~~(4) Identification of applicable federal laws, policies,~~
- 9 ~~or programs that impact affected areas; and~~
- 10 ~~(5) Recommendations for planning, management, and~~
- 11 ~~adaptation for hazards associated with increasing sea~~
- 12 ~~level rise.~~

13 ~~The report shall be made publicly available no later than~~
14 ~~December 31, 2017.]~~

15 [+] (c) [+] The [committee] commission shall include the
16 following members:

- 17 (1) The chairs of the standing committees of the
- 18 legislature with subject matter jurisdiction
- 19 encompassing environmental protection and land use;



- 1 (2) The chairperson of the board of land and natural
2 resources or the chairperson's designee, who shall be
3 the co-chair of the [~~committee,~~] commission;
- 4 (3) The director of the office of planning or the
5 director's designee, who shall be the co-chair of the
6 [~~committee,~~] commission;
- 7 (4) The director of business, economic development, and
8 tourism or the director's designee;
- 9 (5) The chairperson of the board of directors of the
10 Hawaii tourism authority or the chairperson's
11 designee;
- 12 (6) The chairperson of the board of agriculture or the
13 chairperson's designee;
- 14 (7) The chief executive officer of the office of Hawaiian
15 affairs or the officer's designee;
- 16 (8) The chairperson of the Hawaiian homes commission or
17 the chairperson's designee;
- 18 (9) The director of transportation or the director's
19 designee;
- 20 (10) The director of health or the director's designee;



- 1 (11) The adjutant general or the adjutant general's
- 2 designee;
- 3 (12) The chairperson of the board of education or the
- 4 chairperson's designee;
- 5 (13) The directors of each of the county planning
- 6 departments, or the directors' designees; and
- 7 (14) The manager of the coastal zone management program.

8 ~~[(d)]~~ In addition to the members listed in subsection
 9 (c), the chairs of the ~~[committee]~~ commission may request the
 10 participation or input of members of the public; experts in the
 11 field; and county, state, or federal officials ~~[necessary for~~
 12 ~~the formulation of the report.]~~ or others as necessary.

13 ~~[(e)]~~ ~~In developing the report, the committee shall:~~
 14 ~~(1) Solicit public views and concerns; and~~
 15 ~~(2) Coordinate with the various county, state, and federal~~
 16 ~~agencies involved in ongoing climate change adaptation~~
 17 ~~planning initiatives.~~

18 ~~[(f)]~~ ~~The committee shall reevaluate and update the sea~~
 19 ~~level rise vulnerability and adaptation report every five~~
 20 ~~years.]~~



1 ~~[(g)]~~ (e) The members of the ~~[committee]~~ commission
2 shall serve without pay but shall be reimbursed for their actual
3 and necessary expenses, including travel expenses, incurred in
4 carrying out their duties.

5 (f) The commission shall provide policy direction,
6 facilitation, coordination, and planning among state and county
7 agencies, federal agencies, and other partners as appropriate.

8 (g) The commission shall establish climate change
9 mitigation and adaptation strategies and goals to help guide
10 planning and implementation statewide using the latest
11 scientific analysis and risk assessment to monitor and forecast
12 climate change related impacts at the regional, state, and local
13 level, including any additional information deemed necessary.

14 (h) The commission shall identify vulnerable people,
15 communities, industries, ecosystems, and the potential economic
16 ramifications for climate change related impacts.

17 (i) The commission shall identify existing climate change
18 mitigation and adaptation efforts at the federal, state, and
19 local levels and make recommendations for how to meet or exceed
20 Hawaii's state mitigation goals and shall adopt a liberal



1 approach in preparation, so as to minimize future risk to the
2 people and environment of Hawaii.

3 (j) The commission shall assess the capacity and
4 availability of existing resources and identify new sources of
5 revenue necessary to address climate change mitigation and
6 adaptation and shall advise the governor, legislature, and
7 counties on the economic and budgetary ramifications of climate
8 change impacts, mitigation, and adaptation.

9 (k) The commission shall identify the information
10 necessary to track progress in implementing climate change
11 mitigation and adaptation efforts and shall submit an annual
12 report to the governor and legislature no later than twenty days
13 prior to the convening of each regular session of the
14 legislature.

15 (l) The commission shall maintain a website that includes
16 a mission statement as well as access to climate change related
17 actions, plans, policies, and results.

18 (m) The commission shall conduct a comprehensive review of
19 the implementation as required by this section and submit a
20 report to the governor, legislature, and the counties no later



1 than twenty days prior to the convening of the regular session
2 of 2023 and every five years thereafter.

3 (n) The commission shall, as a first step, focus on and
4 develop sea level rise vulnerability and adaptation reports that
5 shall include:

6 (1) Identification of the major areas of sea level rise
7 impacts affecting the State and counties through 2050;

8 (2) Identification of expected impacts of sea level rise
9 based on the latest scientific research for each area
10 through 2050;

11 (3) Identification of the economic ramifications of sea
12 level rise;

13 (4) Identification of applicable federal laws, policies,
14 or programs that impact affected areas; and

15 (5) Recommendations for planning, management, and
16 adaptation for hazards associated with increasing sea
17 level rise.

18 The reports shall be made publicly available no later than
19 December 31, 2017, and the commission shall reevaluate and
20 update the sea level rise vulnerability and adaptation report
21 every five years.



1 (1.00 FTE) climate change mitigation and adaptation coordinator
2 position, who shall be exempt from chapter 76, Hawaii Revised
3 Statutes, to support the Hawaii climate change mitigation and
4 adaptation commission.

5 The sums appropriated shall be expended by the department
6 of land and natural resources for the purposes of this Act.

7 **PART IV**

8 **SECTION 9.** Statutory material to be repealed is bracketed
9 and stricken. New statutory material is underscored.

10 **SECTION 10.** This Act shall take effect on July 1, 2017;
11 provided that section 6 shall take effect on July 1, 2022.



Report Title:

Climate Change; Paris Agreement; Hawaii Climate Change Mitigation and Adaptation Commission; Appropriation

Description:

Requires the State to expand strategies and mechanisms to reduce greenhouse gas emissions statewide in alignment with the principles and goals adopted in the Paris Agreement. Renames the Interagency Climate Adaptation Committee as the Hawaii Climate Change Mitigation and Adaptation Commission. Clarifies the duties of the Commission. Repeals the Commission effective 7/1/2022. Makes appropriations for purposes of this Act and a climate change mitigation and adaptation coordinator position. (CD1)

The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.



