

JAN 18 2019

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# A BILL FOR AN ACT

RELATING TO CLIMATE CHANGE.

**BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:**

1           SECTION 1. Greenhouse gas emissions are a leading cause of  
2 global warming and climate change. The legislature has passed  
3 numerous measures over the last decade to address climate  
4 change. Among them, Act 32, Session Laws of Hawaii 2017,  
5 commits Hawaii to systematically reduce greenhouse gas emissions  
6 and improve resiliency to climate change in alignment with the  
7 principles and goals of the Paris Climate Agreement.

8           The legislature finds that Hawaii has increasing exposure  
9 to climate change related risks and events. However, the  
10 islands also have environmental resources such as forests,  
11 wetlands, coral reefs, and other natural infrastructure that -  
12 if healthy, well-managed, and functioning - can help reduce  
13 emissions as well as mitigate the risks and related loss and  
14 damages from climate change. As such, it is important to invest  
15 in nature-based solutions to climate change.



1           The purpose of this Act is to add to the authority of the  
2 Hawaii climate change mitigation and adaptation commission by  
3 directing it to:

4           (1) Identify and prioritize nature-based solutions to  
5 climate change; and

6           (2) Assess opportunities for insurance and other risk  
7 transfer mechanisms that incentivize investment in  
8 nature-based solutions to climate change.

9           SECTION 2. Section 225P-2, Hawaii Revised Statutes, is  
10 amended by adding a new definition to be appropriately inserted  
11 and to read as follows:

12           "Nature-based solutions" means actions to protect,  
13 sustainably manage, and restore natural or modified ecosystems  
14 that contribute to climate change mitigation, adaptation, or  
15 risk management, that can be implemented alone or in conjunction  
16 with other solutions to climate change, and provide benefits to  
17 people and the environment."

18           SECTION 3. Section 225P-3, Hawaii Revised Statutes, is  
19 amended to read as follows:

20           "§225P-3 Hawaii climate change mitigation and adaptation  
21 commission; general functions, duties, and powers. (a) There



1 is established the Hawaii climate change mitigation and  
2 adaptation commission that shall be placed within the department  
3 of land and natural resources for administrative purposes only.

4 (b) Coordination of the commission shall be headed jointly  
5 by the chairperson of the board of land and natural resources,  
6 or the chairperson's designee, and the director of the office of  
7 planning, or the director's designee.

8 (c) The commission shall include the following members:

9 (1) The chairs of the standing committees of the  
10 legislature with subject matter jurisdiction  
11 encompassing environmental protection and land use;

12 (2) The chairperson of the board of land and natural  
13 resources or the chairperson's designee, who shall be  
14 the co-chair of the commission;

15 (3) The director of the office of planning or the  
16 director's designee, who shall be the co-chair of the  
17 commission;

18 (4) The director of business, economic development, and  
19 tourism or the director's designee;



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- 1           (5) The chairperson of the board of directors of the  
2           Hawaii tourism authority or the chairperson's  
3           designee;
- 4           (6) The chairperson of the board of agriculture or the  
5           chairperson's designee;
- 6           (7) The chief executive officer of the office of Hawaiian  
7           affairs or the officer's designee;
- 8           (8) The chairperson of the Hawaiian homes commission or  
9           the chairperson's designee;
- 10          (9) The director of transportation or the director's  
11          designee;
- 12          (10) The director of health or the director's designee;
- 13          (11) The adjutant general or the adjutant general's  
14          designee;
- 15          (12) The chairperson of the board of education or the  
16          chairperson's designee;
- 17          (13) The directors of each of the county planning  
18          departments, or the directors' designees; and
- 19          (14) The manager of the coastal zone management program.
- 20          (d) In addition to the members listed in subsection (c),  
21 the chairs of the commission may request the participation or



1 input of members of the public; experts in the field; and  
2 county, state, or federal officials or others as necessary.

3 (e) The members of the commission shall serve without pay  
4 but shall be reimbursed for their actual and necessary expenses,  
5 including travel expenses, incurred in carrying out their  
6 duties.

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

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

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

19 (i) The commission shall identify existing climate change  
20 mitigation and adaptation efforts at the federal, state, and  
21 local levels and ~~make~~ shall:



1        (1) Make recommendations for how to meet or exceed  
2                Hawaii's state mitigation goals [~~and shall adopt~~];

3        (2) Adopt a liberal approach in preparation, so as to  
4                minimize future risk to the people and environment of  
5                Hawaii [-]; and

6        (3) Prioritize identification of and recommendations for  
7                utilizing nature-based solutions in its climate change  
8                mitigation and adaptation efforts at the regional,  
9                state, and local levels.

10        (j) The commission shall assess the capacity and  
11        availability of existing resources and identify new sources of  
12        revenue necessary to address climate change mitigation and  
13        adaptation and shall advise the governor, legislature, and  
14        counties on the economic and budgetary ramifications of climate  
15        change impacts, mitigation, and adaptation.

16        (k) The commission shall assess and make recommendations  
17        related to insurance, reinsurance and other risk transfer  
18        products or market mechanisms that incentivize public and  
19        private investment in nature-based solutions that reduce carbon  
20        emissions or lessen exposure and reduce climate risks to human  
21        safety and well-being, property, utilities, infrastructure, and



1 the environment. Pursuant to subsection (d), the commission may  
2 seek the advice and assistance of the department of commerce and  
3 consumer affairs insurance division and other appropriate  
4 experts in carrying out this activity.

5 [~~(k)~~] (l) The commission shall identify the information  
6 necessary to track progress in implementing climate change  
7 mitigation and adaptation efforts and shall submit an annual  
8 report to the governor and legislature no later than twenty days  
9 prior to the convening of each regular session of the  
10 legislature.

11 [~~(l)~~] (m) The commission shall maintain a website that  
12 includes a mission statement as well as access to climate change  
13 related actions, plans, policies, and results.

14 [~~(m)~~] (n) The commission shall conduct a comprehensive  
15 review of the implementation as required by this section and  
16 submit a report to the governor, legislature, and the counties  
17 no later than twenty days prior to the convening of the regular  
18 session of 2023 and every five years thereafter.

19 [~~(n)~~] (o) The commission shall, as a first step, focus on  
20 and develop sea level rise vulnerability and adaptation reports  
21 that shall include:



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- 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 reports shall be made publicly available no later than  
14 December 31, 2017, and the commission shall reevaluate and  
15 update the sea level rise vulnerability and adaptation report  
16 every five years.

17           ~~[(a)]~~ (p) In developing the report, pursuant to subsection  
18 ~~[(a)]~~ (o), the commission shall:

- 19           (1) Solicit public views and concerns; and



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1 (2) Coordinate with the various county, state, and federal  
 2 agencies involved in ongoing climate change adaptation  
 3 planning initiatives."

4 SECTION 4. There is appropriated out of the general  
 5 revenues of the State of Hawaii the sum of \$ \_\_\_\_\_ or so  
 6 much thereof as may be necessary for fiscal year 2019-2020 to  
 7 assist the Hawaii climate change mitigation and adaptation  
 8 commission identify and prioritize nature-based solutions for  
 9 climate change and identify insurance and risk transfer  
 10 mechanisms to incentivize investment in such solutions.

11 The sum appropriated shall be expended by the department of  
 12 land and natural resources for the purposes of this Act.

13 SECTION 5. Statutory material to be repealed is bracketed  
 14 and stricken. New statutory material is underscored.

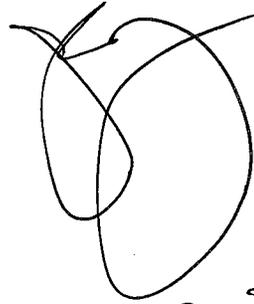
15 SECTION 6. This Act shall take effect on July 1, 2019.

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INTRODUCED BY:

*[Handwritten signatures]*  
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*Clemente Niche*



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**Report Title:**

Hawaii Climate Change Mitigation and Adaptation Initiative;  
Nature-based Solutions to Climate Change; Appropriation

**Description:**

Requires the Hawaii Climate Change Mitigation and Adaptation Commission to prioritize nature-based solutions in its climate change mitigation and adaptation efforts and assess risk transfer market mechanisms that promote investments in nature to reduce the risks of climate change. Defines "nature-based solutions". Appropriates funds.

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

