
A BILL FOR AN ACT

RELATING TO OMNIBUS HAWAI'I RESILIENCE AND SUSTAINABILITY
STRATEGY.

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

1 PART I

2 SECTION 1. The legislature finds that Hawai'i needs a new
3 way of thinking about how the State addresses critical
4 infrastructure needs through the development of public-private
5 partnerships that are specifically focused on research and
6 development. The legislature's role is to create the
7 environment for attracting partners with resources, technical
8 expertise, and the willingness to develop an offshore high
9 technology park that integrates state-of-the-art communications
10 platforms, big data analytics, and unmanned aerial vehicles.

11 In 2008, the State unveiled the *Hawai'i 2050 Sustainability*
12 *Plan*, which was written by the Hawai'i 2050 Sustainability Task
13 Force comprised of state and county government officials,
14 University of Hawai'i representatives, and private industry
15 representatives. The task force asked the following guiding
16 questions: What do the people of Hawai'i want for the future of
17 our islands in the 21st century? What is the community's will



1 for the future of our economy, society, and environment? What
2 steps can we take now to achieve that preferred future for our
3 children and their children? Similarly, the intent of this Act
4 is to focus on an updated strategy to achieve a sustainable and
5 resilient Hawai'i in the long term.

6 The purpose of this Act is to make appropriations for a
7 Hawai'i resilience and sustainability strategy in the areas of
8 broadband and joint emergency management.

9 PART II

10 SECTION 2. The legislature finds that the benefits of
11 broadband internet access include:

- 12 (1) Access to all types of information within a few
13 keystrokes, whether this information is to learn a new
14 skill, learn a new language, or complete an online
15 course. Broadband facilitates the rapid access of
16 information in many different forms;
- 17 (2) Economic development to accelerate business
18 development and provide new opportunities for
19 innovation, expansion, and e-commerce. Communities
20 that connect their residents create wealth and attract
21 business investments;



- 1 (3) Public safety to connect first responders in an
2 emergency and allow emergency workers to communicate
3 across disparate networks, between jurisdictions, and
4 across different agencies, which are critical
5 capabilities at the scene of an emergency. Police,
6 fire, and emergency medical personnel can react to
7 crises quickly, fostering cooperation among numerous
8 public safety agencies;
- 9 (4) Facilitation of healthcare delivery and creation of
10 opportunities such as telemedicine for doctors and
11 healthcare specialists to work together as a virtual
12 team, with specialists located in any part of the
13 world. A family practitioner in a small rural town
14 can send medical images of a patient to a specialist
15 in any part of the world for an instant expert
16 consultation. Test results from a hospital emergency
17 room or laboratory can be sent to a radiologist or
18 doctor in seconds, making rapid diagnosis a reality.
19 Doctors are also now sending prescriptions directly
20 from their offices to pharmacies, greatly reducing
21 errors, with automatic checking for interactions;



- 1 (5) Enhancement of and greater equity of access to
2 educational resources. Children in inner city
3 neighborhoods, affluent homes, and farm communities
4 can all access the same resources. Scarce textbook
5 materials can be replaced with online resources, and
6 children can access all of these materials from school
7 and home;
- 8 (6) Improved communications, which can improve people's
9 professional and personal lives and increase
10 participation by people with disabilities. Broadband
11 empowers people with disabilities and removes barriers
12 that keep them from participating in everyday
13 activities;
- 14 (7) Enhanced telecommuting because broadband enables
15 people to work from home, saving time, reducing
16 expenses, and easing traffic congestion. Employers
17 have been encouraging this concept to save overhead
18 expenses and improve employee satisfaction; and
- 19 (8) Enabling of smart grid technology, which enables
20 homeowners to monitor energy usage in real time and



1 adjust usage patterns to save energy costs and aid in
2 conservation efforts.

3 SECTION 3. There is appropriated out of the general
4 revenues of the State of Hawaii the sum of \$ or so
5 much thereof as may be necessary for fiscal year 2015-2016 and
6 the same sum or so much thereof as may be necessary for fiscal
7 year 2016-2017 for the Hawai'i broadband initiative, which
8 explores how a public-private partnership can deliver overall
9 projects through research and development.

10 The sums appropriated shall be expended by the department
11 of business, economic development, and tourism for the purposes
12 of this Act.

13 SECTION 4. The director of finance is authorized to issue
14 general obligation bonds in the sum of \$ or so much
15 thereof as may be necessary and the same sum or so much thereof
16 as may be necessary is appropriated for fiscal year 2015-2016
17 for the design, construction, and materials for broadband cable
18 landing sites and for the preparation of environmental impact
19 statements for seven of those sites as follows: two sites on
20 O'ahu and one site each on Kaua'i, Maui, Moloka'i, Lana'i, and
21 Hawai'i.



1 SECTION 5. The appropriation made for the capital
2 improvement project authorized by section 4 of this Act shall
3 not lapse at the end of the fiscal biennium for which the
4 appropriation is made; provided that all moneys from the
5 appropriation unencumbered as of June 30, 2018, shall lapse as
6 of that date.

7 PART III

8 SECTION 6. The director of finance is authorized to issue
9 general obligation bonds in the sum of \$ or so much
10 thereof as may be necessary and the same sum or so much thereof
11 as may be necessary is appropriated for fiscal year 2015-2016
12 for the planning, land acquisition, design, and construction of
13 a joint emergency management center in Mililani high technology
14 park to house state and city and county of Honolulu emergency
15 management operations.

16 SECTION 7. The appropriation made for the capital
17 improvement project authorized by this part shall not lapse at
18 the end of the fiscal biennium for which the appropriation is
19 made; provided that all moneys from the appropriation
20 unencumbered as of June 30, 2018, shall lapse as of that date.



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PART IV

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SECTION 8. This Act shall take effect on July 1, 2050.



Report Title:

Hawai'i Resilience and Sustainability Strategy

Description:

Makes various appropriations for the Hawai'i resilience and sustainability strategy. Effective 7/1/2050. (SD2)

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