

SB-1461

Submitted on: 3/10/2019 4:28:43 PM

Testimony for EEP on 3/12/2019 8:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Kym Sparlin	DBEDT-SID	Support	Yes

Comments:

**TESTIMONY BEFORE THE HOUSE COMMITTEE ON
ENERGY AND ENVIRONMENTAL PROTECTION**

**S.B. 1461
Relating to Science**

Tuesday, March 12, 2019
8:30 a.m., Agenda Item #10
State Capitol, Conference Room 325

Darren Ishimura, P.E.
Director, Grid Technologies
Hawaiian Electric Company, Inc.

Chair Lowen, Vice Chair Wildberger, and Members of the Committee,

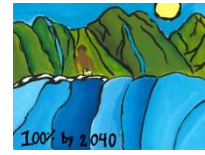
My name is Darren Ishimura and I am testifying on behalf of Hawaiian Electric, Hawai'i Electric Light, and Maui Electric (collectively, "the Hawaiian Electric Companies") in **support** of S.B. 1461, Relating to Science.

The Hawaiian Electric Companies support efforts to establish a national laboratory in Hawai'i that can strengthen the State's ability to evaluate, demonstrate, and deploy new technologies. With increasing utilization of variable renewable energy and industry-leading levels of distributed energy resources in Hawai'i, the Hawaiian Electric Companies proactively seek opportunities to advance its planning and operational capabilities to modernize its grids to integrate more renewable energy, achieve the State's 100% renewable energy goal by 2045, while providing safe, reliable, and resilient power to the State.

The Hawaiian Electric Companies continue to engage in collaborative partnerships, including projects with various U.S. national laboratories, to leverage expertise and resources that can accelerate the evaluation and adoption of advanced technologies. Case in point: Hawaiian Electric Companies has leveraged nearly \$32 million of funding since 2009, including grants from the U.S. Department of Energy, to

advance its development, testing, and deployment of new technologies on its grid. A national laboratory in Hawai'i could help increase local technical expertise and create further opportunities for funding in energy-related research beneficial to the State.

Accordingly, the Hawaiian Electric Companies support S.B. 1461. Thank you for the opportunity to testify.



HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

March 12, 2019, 8:30 A.M.

Room 325

(Testimony is 2 pages long)

TESTIMONY IN SUPPORT OF SB 1461

Aloha Chair Lowen, Vice Chair Wildberger, and Committee members:

Blue Planet Foundation **supports** SB 1461, which directs the governor to enter into negotiations with the United States Department of Energy (DOE) to establish a national laboratory in Hawaii. **This bill is an important first step towards bringing new levels of innovation and economic opportunity to Hawaii and will help ensure that our transition to 100% clean energy comes side-by-side with good paying jobs for local residents.**

The DOE National Laboratories—like the National Renewable Energy Laboratory in Golden, Colorado, or the Lawrence Berkeley National Laboratory in Berkeley, California—have served as leading institutions for scientific innovation in the United States for more than seventy years. With a total of 17 national labs spread across the country, these institutions are tackling our most pressing scientific challenges, such as combatting climate change and modeling how to maximize the amount of renewable energy we connect to the power grid. They seek to address large scale, complex research with a multidisciplinary approach that places an emphasis on translating basic science to innovation.

Through Senate Bill 1461, we can explore bringing new levels of innovation to Hawaii. Establishing a national laboratory here at home will help ensure that our transition to 100% clean energy will be accompanied by good paying jobs in science, technology, engineering, and mathematics (STEM) fields for local residents. Each year, many Hawaii residents leave the state to pursue careers in STEM across country and globe. Senate Bill 1461 could help bring those jobs back to our islands. A national lab in Hawaii would also provide an opportunity to attract tens of millions of dollars in both fed investment and private sector investment.

Hawaii is the perfect place for the next DOE National Laboratory. Hawaii has already adopted a number of bold, first-in-the-nation targets that have helped inspire other states to take similar action. Hawaii was the first state in the country to adopt a 100% renewable energy requirement for electricity by 2045 (Act 97 of 2015), and California adopted a similar law in 2018. Hawaii has also pledged to achieve carbon neutrality by 2045 (Act 15 of 2018), another first in the nation.

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By creating a “hub” for science and technology in the Pacific, a national laboratory in Hawaii would further bolster our state’s role as a national and global leader on tackling climate change and transitioning the energy sector from fossil fuels to clean energy.

Thank you for the opportunity to testify.

SB-1461

Submitted on: 3/9/2019 9:30:42 AM

Testimony for EEP on 3/12/2019 8:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Regina Gregory	Individual	Oppose	No

Comments:

SB-1461

Submitted on: 3/10/2019 7:56:56 PM

Testimony for EEP on 3/12/2019 8:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Erica Scott	Individual	Support	No

Comments:

SB-1461

Submitted on: 3/11/2019 4:57:52 PM

Testimony for EEP on 3/12/2019 8:30:00 AM

LATE

Submitted By	Organization	Testifier Position	Present at Hearing
Andrea Quinn	Individual	Support	No

Comments:

Dear Honorable Committee Members:

Please support SB1461. Hawai'i is rapidly becoming known as a science center and to establish a national laboratory will add to our reputation as well as bring jobs to residents.

Thank you for the opportunity to present my testimony.

Andrea Quinn

Kihei

SB-1461

Submitted on: 3/11/2019 8:41:01 PM

Testimony for EEP on 3/12/2019 8:30:00 AM

LATE

Submitted By	Organization	Testifier Position	Present at Hearing
Dwamato	Individual	Support	No

Comments: