

DAVID Y. IGE GOVERNOR

SHAN S. TSUTSUI LT. GOVERNOR STATE OF HAWAII OFFICE OF THE DIRECTOR DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS

> 335 MERCHANT STREET, ROOM 310 P.O. Box 541 HONOLULU, HAWAII 96809 Phone Number: 586-2850 Fax Number: 586-2856 www.hawaii.gov/dcca

TO THE HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

# THE TWENTY-EIGHTH LEGISLATURE REGULAR SESSION OF 2015

#### THURSDAY, FEBRUARY 5, 2015 8:30 a.m.

#### TESTIMONY OF JEFFREY T. ONO, EXECUTIVE DIRECTOR, DIVISION OF CONSUMER ADVOCACY, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, TO THE HONORABLE CHRIS LEE, CHAIR, AND MEMBERS OF THE COMMITTEE

#### HOUSE BILL NO. 1468 - RELATING TO THE INTERISLAND HIGH-VOLTAGE ELECTRIC TRANSMISSION CABLE SYSTEM

#### DESCRIPTION:

This measure proposes to remove the authorization granted to the Public Utilities Commission ("PUC") to establish a regulatory structure for the installation and implementation of an interisland high-voltage electric transmission cable system by repealing chapter 269, part VIII, Hawaii Revised Statutes, and making conforming amendments.

#### POSITION:

The Division of Consumer Advocacy has serious concerns with the potential impacts of this bill.

#### COMMENTS:

The Consumer Advocacy is concerned that this bill would repeal all of the legislation passed in 2012 that provided the regulatory framework by which an undersea electricity transmission cable would be developed, if a decision were to be made to move forward with the development of an undersea cable. Hawaii Revised Statutes ("HRS") sections 269-131 to 269-135, entitled the "Interisland Transmission System," provide a clear regulatory path by which the cable could be developed.

CATHERINE P. AWAKUNI COLÓN DIRECTOR

JO ANN M. UCHIDA TAKEUCHI DEPUTY DIRECTOR House Bill No. 1468 House Committee on Energy & Environmental Protection Thursday, February 5, 2015, 8:30 a.m. Page 2

These provisions set forth the Request for Proposal process, the certification process, and the cost recovery mechanism for a certified cable company. Each of these elements is intended to remove regulatory uncertainty from the process of developing, installing, and operating an undersea cable, but discussion on Act 165, Session Laws of Hawaii 2012 ("Act 165"), made it clear that these provisions were only part of a larger, ongoing discussion on the benefits and costs of undersea cable – not the end of it. The electric utilities, PUC, Department of Business Economic Development & Tourism and interested stakeholders continue to debate the costs and benefits of an undersea transmission cable. As long as there is the potential to develop geothermal energy on Hawaii Island, there will be a discussion on an undersea cable to bring that energy to Oahu. Once the State is ready and cost-effective technology is ready, Act 165 provides the regulatory framework by which the installation and development of an undersea cable can be prudently regulated.

One of the principal concerns over an undersea transmission cable is the cost. The undersea cable legislation provided a competitive bidding process by which actual proposals with firm bids could be obtained. If costs are too high, then the project could be abandoned. Without a clear mechanism that will tell us the actual cost to design and construct an interisland cable, it will be difficult to do a cost/benefit analysis when one of the key components, i.e., the cost of the cable itself, is based on estimates, not actual bids.

Again, the provisions of Act 165 were meant to provide a degree of certainty to any cable developer in knowing how the selection process would occur and how the developer would be compensated. It was not an instruction to the PUC to move forward with the development of an undersea cable. It simply established the regulatory framework for an undersea cable, if it was decided that a cable will be in the public interest with the net benefits of the cable exceeding the costs. Thus, since the framework in Act 165 is only called upon when the State is ready to move forward with the installation of an undersea cable system – and not before the State is ready – it is not clear what benefit repeal of this highly-vetted legislation does to serve Hawaii in reaching its long-term clean energy goals.

Thank you for this opportunity to testify.

# TESTIMONY OF RANDY IWASE CHAIR, PUBLIC UTILITIES COMMISSION STATE OF HAWAII TO THE HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

February 5, 2015 8:30 a.m.

MEASURE:H.B. No. 1468TITLE:Relating to the Interisland High-Voltage Transmission Cable System

Chair Lee, Vice Chair Lowen, and Members of the Committee:

#### **DESCRIPTION:**

The purpose of this Act is to remove the authorization granted to the public utilities commission regarding the regulatory structure for the installation and implementation of an interisland high-voltage electric transmission cable system.

#### **POSITION:**

The Commission offers the following comments for the Committee's review.

#### COMMENTS:

The Commission currently has an open regulatory proceeding on this issue (Docket No. 2013-0169). The Commission opened this proceeding to solicit information and evaluate whether an Oahu-Maui Island grid interconnection may be in the public interest. The proceeding has been investigating this issue through the following actions:

• Seeking input from potential cable developers, renewable energy project developers, HECO Companies, and other stakeholders on potential costs and benefits of an Oahu-Maui Island grid interconnection to determine under what circumstances and conditions such a potential system would be in the public interest;

• Seeking input on appropriate regulatory policies and practices governing development and on-going regulation of a certified cable company in Hawaii;

H.B. No. 1468 Page 2

> • Seeking input from potential cable companies, HECO, and other stakeholders on the best way to proceed with developing a high-voltage electric transmission cable system interconnecting Oahu and Maui Island if the commission were to determine such a system is in the public interest; and

• Facilitating public input and dissemination of information on an Oahu-Maui Island grid interconnection.

In reviewing this issue, the Commission has received considerable feedback from the parties and public, which are available in the public docket record. The Commission has also held public meetings on Maui and Oahu.

The Commission would also note that evaluation of an Oahu-Maui Island grid interconnection is an important consideration in the Hawaiian Electric Companies' Power Supply Improvement Plans for the Oahu and Maui Island electrical systems. These plans are under evaluation in Docket No. 2014-0183.

Finally, the Commission notes that other measures have been introduced to extend the Renewable Portfolio Standards. To achieve that goal the Commission believes that all options and alternatives should remain available for policymakers and decision makers to consider.

Thank you for the opportunity to testify on this measure.



# DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

No. 1 Capitol District Building, 250 South Hotel Street, 5th Floor, Honolulu, Hawaii 96813 Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804 Web site: www.hawaii.gov/dbedt Telephone: (808) 586-2355 Fax: (808) 586-2377

Statement of LUIS P. SALAVERIA Director Department of Business, Economic Development, and Tourism before the HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

> Thursday, February 5, 2015 8:30 a.m. State Capitol, Conference Room 325

> > in consideration of HB 1468

# RELATING TO THE INTERISLAND HIGH-VOLTAGE ELECTRIC TRANSMISSION CABLE SYSTEM.

Chair Lee, Vice Chair Lowen, and Members of the Committee.

The Department of Business, Economic Development & Tourism (DBEDT) has serious concerns pertaining to HB 1468, which would repeal the authority of the Public Utilities Commission to establish a regulatory structure for the installation and implementation of an interisland high-voltage electric transmission cable and for the construction of on-island transmission infrastructure.

DBEDT respectfully offers the following comments on this measure:

At this juncture, related PUC proceedings<sup>1</sup> are still open. Until that process (in which public intervention and comments are being taken into account) concludes, it is premature for the Legislature to eliminate Act 165 (2012), a tool that may result in cheaper financing for the cable, should the PUC find an undersea cable is needed.

DBEDT has previously testified that the Oahu-Maui "grid tie"<sup>2</sup> is fundamentally different from the originally proposed "gen-tie"<sup>3</sup> undersea cable project that faced considerable community opposition

DAVID Y. IGE GOVERNOR

LUIS P. SALAVERIA DIRECTOR

DEPUTY DIRECTOR

<sup>&</sup>lt;sup>1</sup> Reference Docket No. 2013-0169 (Opening a Proceeding to Investigate whether an Oahu-Maui

Interisland Transmission System May Be in the Public Interest) and Docket No. 2013-1068 (Opening a Proceeding to Review the Progress of Castle & Cooke Resorts, LLC's Proposed Lanai Wind Project).

 $<sup>^{2}</sup>$  The current investigation under Docket No. 2013-0169 is looking at a grid tie, a two-way connection between two previously distinct, separate electrical grids to create one unified system between Oahu and Maui Island. By unifying the grid and sharing resources, the

and is in the public interest by helping our State exceed existing statutory clean energy objectives under the State's Renewable Portfolio Standard at a savings to ratepayers.<sup>4</sup>

Act 165 (2012)<sup>5</sup> allows for the creation of a "Certified Cable Company (CCC)" (separate from the incumbent electric utility), essentially a "cable utility" that would own or control the cable. The CCC would obtain reimbursement for the development and construction of the cable under a PUC mandated surcharge and appropriate regulatory process. The surcharge would reduce risk and overall project costs by ensuring that the CCC would obtain appropriate reimbursement for the development and construction of the project. Lower project costs ultimately translate to lower electric rates for consumers.

Even if Act 165 (2012) is repealed, the incumbent utility would still have the authority to propose and develop an undersea transmission cable should the PUC find that an undersea cable is warranted. However, without HRS 269, Part VIII and related HRS sections<sup>6</sup> in place, there would be greater uncertainty with regards to the regulation and cost recovery of the cable. This would likely lead to greater cable project development and construction risk and cost, ultimately resulting in suboptimal pricing of the cable and inferior ratepayer outcomes.

Thank you for the opportunity to offer these comments regarding HB 1468.

See <u>http://energy.hawaii.gov/renewable-energy/oahu-maui-gridtie</u> or Docket No. 2013-0169 for DBEDT's full submissions to PUC. <sup>5</sup> HB 1468 would repeal Act 165 (2012) and related Hawaii Revised Statutes.

utility will be able to operate more efficiently with less system redundancies, allowing more renewable energy penetration and the shutting-down of old, inefficient petroleum-based power plants.

<sup>&</sup>lt;sup>3</sup> Past Gen Tie – Previous interisland transmission cable projects proposed a one-way cable, or a generation ("gen") tie, which would have taken energy generated from one or more islands to feed into Oahu.

<sup>&</sup>lt;sup>4</sup> Benefits to Ratepayers on Oahu and Maui Island include: (1) Reduced electricity rates of up to 0.6-cents per kilowatt hour; (2) Overall net savings on both islands of up to \$423 million over a 30-year period (2020-2050); (3) More stable electricity rates due to reduced exposure to oil pricing volatility. Benefits to the environment include: (1) Reduced pollution from less oil being burned by conventional fuel electric generating units; (2) Allows the retirement of old, inefficient petroleum-based power plants; (3) Lowers cost of environmental compliance and carbon pollution. Benefits to Renewable Energy Goals: (1) Increased utilization of high-efficiency renewable energy development that can be operated with less or even no curtailment; (2) Helps the state meet and exceed its mandated renewable energy goals; (3) A key, long-term component to achieving a modernized grid.

<sup>&</sup>lt;sup>6</sup> Reference proposed amendments to Sections 2-5 under HB 1468.



COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION Rep. Chris Lee, Chair Rep. Nicole E. Lowen, Vice Chair

DATE:Thursday, February 05, 2015TIME:8:30 a.m.PLACE:Conference Room 325

Re: HB 1468 Repeal Undersea Cable Authorization STRONG SUPPORT

Aloha Chair Lee, Vice Chair Lowen, and Members of the Committee

Life of the Land is Hawai`i's own energy, environmental and community action group advocating for the people and `aina for 45 years. Our mission is to preserve and protect the life of the land through sound energy and land use policies and to promote open government through research, education, advocacy and, when necessary, litigation.

The arguments in favor of the cable never made much sense. O`ahu has abundant sun, wind, waves and agricultural fields. The idea that Maui has more renewable energy resources and could profitably send renewable energy generated electricity to O`ahu at a cost of 6-8 cents per kilowatt-hour lacked merit.

Mahalo,

Henry Curtis Executive Director





#### HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

February 5, 2015, 8:30 A.M., Room 325 (Testimony is 1 page long)

# **TESTIMONY IN OPPOSITION TO HB 1468**

Aloha Chair Lee, Vice-Chair Lowen, and members of the Committee:

Blue Planet Foundation respectfully opposes HB 1468. We believe that by revoking the PUC's authority to implement a regulatory structure for an undersea cable, the bill threatens to eliminate potential options for cleaner, more affordable, and more reliable energy for ratepayers.

The bill explains that there are community concerns regarding an undersea cable. Justifiably, there are community concerns regarding essentially *every* aspect of the existing and future energy system. This does not mean the PUC's authority to implement a regulatory structure to govern the energy system should be revoked.

The bill also concludes that "there should be a stronger focus on viable energy alternatives that are more feasible for the State's ratepayers, rather than development of an interisland undersea cable." While there should certainly be a focus on viable energy alternatives to fossil fuels, it is premature to conclude that an undersea cable is not viable. The feasibility of an undersea cable is under review. Several professional analyses, including analyses by the State Energy Office and NextEra Energy, conclude that an undersea cable connecting the Maui and Oahu grids is beneficial for ratepayers. Paniolo Power, associated with Parker Ranch, has noted that "[i]f an undersea cable is possible for Maui, perhaps it's possible for Hawaii Island in the long run. And if that is the case, Parker Ranch could enable a large-scale storage solution as part of an integrated statewide grid."<sup>1</sup>

Certainly, community concerns should be addressed in energy planning. Those concerns must include the concerns of communities that have long been burdened by fossil fuel generators in their backyard. They should include concerns about the impact of fossil fuels on our climate, environment, and economy. The most viable alternatives should be selected. But this process is enhanced by examining *more* clean energy options, *not* by prematurely eliminating options.

Thank you for this opportunity to testify.

<sup>&</sup>lt;sup>1</sup> http://parkerranch.com/paniolo-power-company-to-issue-a-pumped-storage-hydro-request-for-qualifications/



#### TESTIMONY OF ERIC S. GLEASON, NEXTERA ENERGY HAWAII COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION FEBRUARY 5, 2015, 8:30 AM

#### HOUSE BILL NO. 1468 - RELATING TO THE INTERISLAND HIGH-VOLTAGE ELECTRIC TRANSMISSION CABLE SYSTEM

#### **DESCRIPTION:**

This measure proposes to remove the authorization granted to the Hawaii Public Utilities Commission (PUC or Commission) to establish a regulatory structure for the installation and implementation of an interisland high-voltage electric transmission cable system by repealing Chapter 269, Part VIII, Hawaii Revised Statutes, and makes conforming amendments.

#### POSITION:

NextEra Energy Hawaii respectfully opposes H.B. No. 1468 and offers the following comments.

#### COMMENTS:

NextEra Energy Hawaii believes that the State of Hawaii desires cleaner, more affordable energy. Hawaii's energy aspirations are bold and the energy industry is evolving rapidly.

With this in mind, NextEra Energy Hawaii suggests that all viable options to secure a cleaner, more affordable energy future merit serious consideration. The legislature wisely gave the Commission authority to certificate an interisland cable utility system if the Commission determines that such utility service meets certain criteria and is required by the present or future public convenience and necessity. Chapter 269, Part VIII, Section 269-132(c)(3).

1

For example, the legislature required that the Commission determine whether the proposed cable system would be a cost-effective means of interconnecting two or more electric utility systems; helping one or more electric utility companies meet the applicable renewable portfolio standard; or achieving other considerations the Commission may deem appropriate. *Id.* 

The Commission initiated separate investigations in dockets 2013-0168 and 2013-0169 in order to determine whether two specific cable configurations <u>may</u> be in the public interest. More than one and a half years later, the Commission is still considering these, so it cannot be said to be acting precipitously. This is just the start of the process for any prospective interisland cable, and the Commission should be allowed to complete its work.

Furthermore, before any cable system could possibly be installed, the proponent would need to receive a certificate of public convenience and necessity from the Commission, as well as dozens of federal and state permits associated with a comprehensive Environmental Impact Statement pursuant to Hawaii and federal law. Throughout the process of securing these approvals, a cable proponent would have ample opportunity to address community concerns in the context of its specific proposed project.

In short, it is very early in the process, and any conclusions regarding the public interest case for an interisland cable, including the degree of public support, are premature. Therefore, it would not be in the public interest to effectively preclude further consideration of an interisland cable by eliminating the existing statutes enacted by the state legislature just two years ago.

#### **RECOMMENDATION:**

For the reasons listed above, NextEra Energy Hawaii respectfully requests that this measure be held. We believe it is unnecessary, and if implemented, could have a detrimental impact on Hawaii's clean energy transformation.

Thank you for the opportunity to testify.

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 04, 2015 3:29 AM
То:	EEPtestimony
Cc:	nimo1767@gmail.com
Subject:	Submitted testimony for HB1468 on Feb 5, 2015 08:30AM

#### <u>HB1468</u>

Submitted on: 2/4/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing	
Robert Petricci	Puna Pono Alliance	Support	No	

Comments: EEP rm 325 2/5/15 8:30am Rep. Chris Lee, Chair Rep. Nicole E. Lowen, Vice Chair Representing Puna Pono Alliance Position: Strong support RELATING TO THE INTERISLAND HIGH-VOLTAGE ELECTRIC TRANSMISSION CABLE SYSTEM. Aloha PPA strongly supports this bill. Mahalo Robert Petricci Representing Puna Pono Alliance

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 04, 2015 4:41 AM
То:	EEPtestimony
Cc:	friendsoflanai@gmail.com
Subject:	Submitted testimony for HB1468 on Feb 5, 2015 08:30AM

#### HB1468

Submitted on: 2/4/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
Friends of Lana?i	friends of Lana?i	Support	No

Comments: Friends of Lana'i watched the Undersea Cable Bill pass the legislature with a majority of "no" or "with reservations". It was a rushed bill. This current adjustment to that bill should be passed. Each island needs to fill out its own renewable energy potential before disrupting our oceans, cultural and historic and agricultural lands. Community input should be a paramount component of renewable sitings. Please pass this bill.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Tuesday, February 03, 2015 7:01 PM
To:	EEPtestimony
Cc:	bill@puna.us
Subject:	Submitted testimony for HB1468 on Feb 5, 2015 08:30AM

#### <u>HB1468</u>

Submitted on: 2/3/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing	
Bill Smith	Individual	Support	No	

Comments: Significant economic and community concerns associated with development of undersea cables make the authorization given to the public utilities commission improvident. There should be more emphasis on local and distributed energy alternatives instead of an expensive boondoggle.

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From:	mailinglist@capitol.hawaii.gov
Sent:	Tuesday, February 03, 2015 8:23 PM
To:	EEPtestimony
Cc:	mauibrad@hotmail.com
Subject:	*Submitted testimony for HB1468 on Feb 5, 2015 08:30AM*

#### <u>HB1468</u>

Submitted on: 2/3/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
Brad Parsons	Individual	Support	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 04, 2015 9:35 AM
То:	EEPtestimony
Cc:	carolynblake@mac.com
Subject:	Submitted testimony for HB1468 on Feb 5, 2015 08:30AM

#### <u>HB1468</u>

Submitted on: 2/4/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
Carolyn Ornellas	Individual	Support	No

Comments: I support the passing of HB 1468 AS IS.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Tuesday, February 03, 2015 7:28 PM
To:	EEPtestimony
Cc:	djp@kona.net
Subject:	*Submitted testimony for HB1468 on Feb 5, 2015 08:30AM*

# <u>HB1468</u>

Submitted on: 2/3/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
Doug Phillips	Individual	Support	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 04, 2015 8:34 AM
То:	EEPtestimony
Cc:	joan@joanlevy.com
Subject:	Submitted testimony for HB1468 on Feb 5, 2015 08:30AM

#### <u>HB1468</u>

Submitted on: 2/4/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
joan Levy	Individual	Support	No

Comments: I think it is imperative that we first direct resources and development toward alternative energy sources. I also think an extensive environmental impact study is needed before allowing such a cable to be built.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 04, 2015 3:51 AM
То:	EEPtestimony
Cc:	molokaifun@gmail.com
Subject:	Submitted testimony for HB1468 on Feb 5, 2015 08:30AM

#### <u>HB1468</u>

Submitted on: 2/4/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
julie stewart	Individual	Support	No

Comments: no undersea cable berween any hawaiian islands

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From:	mailinglist@capitol.hawaii.gov
Sent:	Tuesday, February 03, 2015 11:42 PM
To:	EEPtestimony
Cc:	luellacrutcher@yahoo.com
Subject:	Submitted testimony for HB1468 on Feb 5, 2015 08:30AM

#### <u>HB1468</u>

Submitted on: 2/3/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
Luella Nohea Crutcher	Individual	Support	No

Comments: To the Committee on Energy & Environmental Protection - I strongly support that you pass HB 1468 as is, and pass HB 619, with amendments. I feel that each island should take care of their own specific needs. They have the resources to accomplish that and it would be more cost effective. I have solar on my home and when the hurricane came, I was not dependent on HECO, did not loose power or loose my food supply like the rest of Puna. This is not the solution for everyone, but the present system is outdated and the use of the undersea cable would just compound the problem. We live on islands! Let's utilizing clean energy such as solar, water, wave and wind; depending on what's available in each specific area and utilizing that source for that area. This way when a certain area is affected, it does not affect other areas. I did not include geothermal, because it is NOT clean energy. Our Department of Health has not done their job, so documentation of the pollution (air and water) is lacking. Ask the people who live within 5 miles from the Geothermal plant, or better yet come sleep in their homes and you will find out how unhealthy it is to live near geothermal. The air quality, loss of food supply from the ocean, the noise from the all night drilling for new wells, that is very unhealthy and it is not cost effective. Wells continually run out of energy and more wells have to be drilled. Very dangerous for our island, and very expensive and the use of it has not bought the cost of electricity down. Like the undersea cable, we would do better without geothermal. The use of an undersea cable is also not cost effective, not practical and makes other islands responsible for Oahu. Oahu needs to take care of Oahu. Maui needs to take care of Maui. Thank you for listening, Luella Nohea Crutcher P O Box 928, 14- 3763 Government Beach Rd, Pahoa, HI 96778

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 04, 2015 10:20 AM
То:	EEPtestimony
Cc:	redahi@hawaii.rr.com
Subject:	Submitted testimony for HB1468 on Feb 5, 2015 08:30AM

#### <u>HB1468</u>

Submitted on: 2/4/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
B.A. McClintock	Individual	Support	No

Comments: Strong support. Public needs to have input.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 04, 2015 4:35 AM
То:	EEPtestimony
Cc:	rkayelny@gmail.com
Subject:	Submitted testimony for HB1468 on Feb 5, 2015 08:30AM

#### <u>HB1468</u>

Submitted on: 2/4/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing	
Robin Kaye	Individual	Support	No	

Comments: This is an important bill, redressing the earlier "rush-to-judgement" undersea cable bill. Before building an undersea transmission cable directly through the Humpback Whale Sanctuary, we need to make sure that we fill out each island's renewable energy options on that individual island. Please pass this bill.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 04, 2015 7:00 AM
To:	EEPtestimony
Cc:	skaye@runbox.com
Subject:	*Submitted testimony for HB1468 on Feb 5, 2015 08:30AM*

# <u>HB1468</u>

Submitted on: 2/4/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing	
sally kaye	Individual	Support	No	

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 04, 2015 1:01 PM
To:	EEPtestimony
Cc:	jtt.hew@gmail.com
Subject:	*Submitted testimony for HB1468 on Feb 5, 2015 08:30AM*

#### <u>HB1468</u>

Submitted on: 2/4/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
Janeel Hew	Individual	Support	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 04, 2015 11:46 AM
То:	EEPtestimony
Cc:	sairam2@hawaiiantel.net
Subject:	Submitted testimony for HB1468 on Feb 5, 2015 08:30AM

#### <u>HB1468</u>

Submitted on: 2/4/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
Geoffrey Lasr	Individual	Support	No

Comments: The days of the large grid are numbered more and more people now and in the near future are producing heir own power. The cost of the cable is crazy and will affect the marine life. It will not lower rates for the consumer and only makes obscene amounts of money for the investors not a good idea. Please follow through and kill this project

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 04, 2015 11:09 AM
То:	EEPtestimony
Cc:	flowergitha@yahoo.com
Subject:	*Submitted testimony for HB1468 on Feb 5, 2015 08:30AM*

#### <u>HB1468</u>

Submitted on: 2/4/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
James Hedgecock	Individual	Support	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 04, 2015 4:25 PM
To:	EEPtestimony
Cc:	bondma@cs.com
Subject:	Submitted testimony for HB1468 on Feb 5, 2015 08:30AM

#### <u>HB1468</u>

Late

Submitted on: 2/4/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
Michael Bond	Individual	Comments Only	No

Support

Comments: Please pass HB 1468 as is. The Undersea Cable Authorization was illegal, immoral and very bad for Hawaii. Thank you, The Bond Ohana (Molokai, Oahu, Big Island)

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

From:	mailinglist@capitol.hawaii.gov
Sent:	Thursday, February 05, 2015 4:18 AM
То:	EEPtestimony
Cc:	anthuriumz@hotmail.com
Subject:	Submitted testimony for HB1468 on Feb 5, 2015 08:30AM

#### HB1468

Late

Submitted on: 2/5/2015 Testimony for EEP on Feb 5, 2015 08:30AM in Conference Room 325

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing	
wynnie hee	Individual	Support	No	

Comments: Please pass this bill. NO UNDERSEA CABLE. We the people do not want the expense of an undersea cable. Other islands DO NOT WANT to generate electricity to be transmitted to Oahu. We will all use LESS and use renewable sources, like photovoltaic. Thank you for passing this bill.

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