

NEIL ABERCROMBIE
GOVERNOR

SHAN S. TSUTSUI
LT. GOVERNOR

STATE OF HAWAII
OFFICE OF THE DIRECTOR
DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS

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KEALI'I S. LOPEZ
DIRECTOR

JO ANN M. UCHIDA TAKEUCHI
DEPUTY DIRECTOR

TO THE HOUSE COMMITTEES
ON ENERGY & ENVIRONMENTAL PROTECTION
AND CONSUMER PROTECTION AND COMMERCE

THE TWENTY-SEVENTH LEGISLATURE
REGULAR SESSION OF 2013

WEDNESDAY, APRIL 10, 2013
2:00 P.M.

TESTIMONY OF JEFFREY T. ONO, EXECUTIVE DIRECTOR, DIVISION OF
CONSUMER ADVOCACY, DEPARTMENT OF COMMERCE
AND CONSUMER AFFAIRS, TO THE HONORABLE CHRIS LEE,
AND THE HONORABLE ANGUS L. K. MCKELVEY, CHAIRS,
AND MEMBERS OF THE COMMITTEES

HOUSE CONCURRENT RESOLUTION NO. 189 AND HOUSE RESOLUTION NO. 150
URGING THE GOVERNOR AND THE PUBLIC UTILITIES COMMISSION TO SEEK
ALTERNATIVES TO THE INDUSTRIAL WIND GENERATION FACILITIES AND
INTERISLAND HIGH-VOLTAGE UNDERSEA ELECTRIC TRANSMISSION CABLE
SYSTEM PROPOSED FOR THE ISLANDS OF MOLOKAI AND LANAI

DESCRIPTION:

These resolutions urges the Governor and the Public Utilities Commission ("Commission") to seek island-specific alternatives to the industrial wind generation facilities and interisland high-voltage undersea electric transmission cable system.

House Concurrent Resolution No. 189
House Resolution No. 150
House Committee on Energy and Environmental Protection
House Committee on Consumer Protection and Commerce
Wednesday, April 10, 2013, 2:00 p.m.
Page 2

POSITION:

The Division of Consumer Advocacy (“Consumer Advocate”) supports the intent of these resolutions and offers the following comments.

COMMENTS:

On September 26, 2011, the Commission opened a docket entitled, “Instituting a Proceeding Related to a Competitive Bidding Process for 200 MW or More of Renewable Energy Delivered to or on Oahu,” Docket No. 2011-0225. The purpose of this proceeding is to receive bids and to award contracts for 200 MW of renewable energy for Oahu. This would include projects on Oahu, as well as projects on the neighbor islands, with energy delivered to Oahu via an undersea transmission cable. The initial phases of this proceeding have been completed with Hawaiian Electric Company, Inc. drafting the Request for Proposal (“RFP”), holding technical sessions with interested parties and potential bidders, incorporating the comments from interested parties into the draft RFP, and submitting a final draft RFP to the Commission for review and approval.

This 200 MW Renewable Energy for Oahu RFP should effectively address the issues raised in these House resolutions. Once a final RFP is approved by the Commission and bids are received, we will know what alternatives there are to the wind farms that have been proposed for the islands of Moloka’i and Lana’i. Most importantly, rather than conducting any studies to determine alternatives, the 200 MW RFP will provide answers with actual project proposals from renewable energy developers.

Given this on-going competitive bidding docket, the Consumer Advocate supports the intent of these resolutions, but is of the opinion that they are not necessary.

Thank you for this opportunity to testify.

TESTIMONY OF HERMINA MORITA
CHAIR, PUBLIC UTILITIES COMMISSION
DEPARTMENT OF BUDGET AND FINANCE
STATE OF HAWAII
TO THE
HOUSE COMMITTEES ON
ENERGY & ENVIRONMENTAL PROTECTION
AND
CONSUMER PROTECTION & COMMERCE

APRIL 10, 2013
2:00 p.m.

MEASURE: H.C.R. No. 189/H.R. No. 150

TITLE: Urging the Governor and the Public Utilities Commission to Seek Alternatives to the Industrial Wind Generation Facilities and Interisland High-Voltage Undersea Electric Transmission Cable System Proposed for the Islands of Molokai and Lanai

Chair Lee, Chair McKelvey, and Members of the Committees:

DESCRIPTION:

H.C.R. No. 189 and H.R. No. 150 (collectively referred to as “Resolutions”) urge both the Office of the Governor and the Public Utilities Commission (“Commission”) to “seek island-specific alternatives to the industrial wind generation facilities and interisland high-voltage undersea electric transmission cable system now being considered.”

POSITION:

The Commission would like to offer the following comments.

COMMENTS:

Renewable energy projects, if developed on public lands, and the development of an interisland cable would be subject to the Hawaii Environmental Policy Act or the National Environmental Policy Act, respectively. These environmental review processes would require that alternatives to a proposed project be disclosed. For

example, the following language is found in the portion of Hawaii Revised Statutes covering environmental reviews:

§343-5 Applicability and requirements.

(a) Except as otherwise provided, an environmental assessment shall be required for actions that:

- (1) Propose the use of state or county lands or the use of state or county funds, other than funds to be used for feasibility or planning studies for possible future programs or projects that the agency has not approved, adopted, or funded, or funds to be used for the acquisition of unimproved real property; provided that **the agency shall consider environmental factors and available alternatives in its feasibility or planning studies**; provided further that an environmental assessment for proposed uses under section 205-2(d)(11) or 205-4.5(a)(13) shall only be required pursuant to section 205-5(b);

(emphasis added)

The development of the type of projects described in the Resolutions will be initiated by the private sector, so, therefore, it is the developer who would be responsible for and required to disclose and discuss alternatives in the environmental assessment process.

Also, while the Commission always welcomes legislative guidance, if adopted, the Resolutions would indicate the Legislature's desire to prevent specific, identifiable projects from moving forward. This position may be contradictory to existing statutory policies, and it may also be premature as required environmental assessments have not been submitted to any permitting agency for review and acceptance.

Thank you for the opportunity to comment on this measure.

**Testimony of Bob Loy
Director of Environmental Programs
The Outdoor Circle**

HCR 189/HR 150

Committees on Energy & Environment, Consumer Protection & Commerce

April 10, 2013

2:00 PM

Rm. 325

The Outdoor Circle strongly supports this resolution.

While we have not taken an official policy position on the undersea cable or the future industrial wind projects proposed for multiple counties, we recognize the severity of the potential impacts of these proposals and thus strongly support placing these proposals on hold and conducting a more thorough search for alternative strategies to meet the energy needs of our state.

We fully understand the need to develop alternative energy sources and stop importing oil to generate power.

However, we also understand that residents of Molokai and Lanai strongly oppose industrial wind projects and the numerous localized, negative impacts on their islands. We know that these projects have the potential to negatively affect the visual environment and seriously degrade the beauty of Hawaii and the enjoyment of the islands by residents and visitors. And we know that while not fully vetted or adequately presented to the public on Oahu, the proposed transmission cable and its accompanying infrastructure pose similar threats to the beauty of Hawaii's most populous island, the quality of life for residents and the allure to millions of visitors.

We raise these concerns in the context of the many and diverse concerns previously raised by the public about the alternative wind projects already proposed. Because those concerns fall outside the mission and scope of The Outdoor Circle, we will not address them.

In short, even in the face of Hawaii's serious energy-related challenges, there is too much evidence of potential damage and too much public concern to allow the industrial wind projects and undersea cable to proceed without further investigation and thorough vetting.

Please pass this resolution and continue pushing for all possible efforts to find more equitable, efficient, effective and less environmentally destructive ways to achieve energy independence for Hawaii.

thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, April 04, 2013 3:23 PM
To: EEPtestimony
Cc: mz@conservehi.org
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/4/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|----------------------------------|---------------------------|---------------------------|
| Marjorie Ziegler | Conservation Council for Hawai'i | 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.

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Resolution HCR 189

“When the public finds its voice, it can speak with great power.”

The passage of this resolution, while not having the power of being “law,” would nonetheless make a strong statement that Big Wind for Lana’i and Moloka’i should not happen.

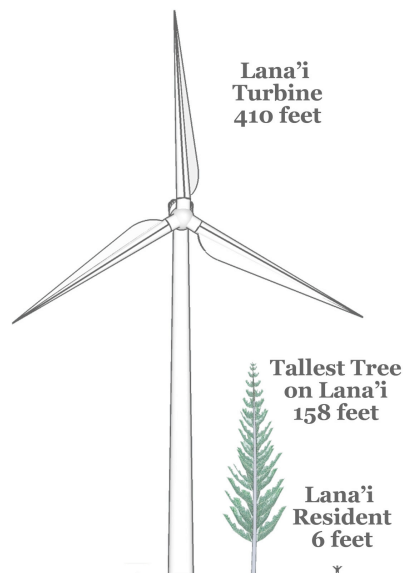
Our state needs to decrease its reliance on fossil fuel. There is no doubt about that. But HECO’s persistence, supported by the PUC and the Governor, on maintaining a centralized system of energy production and distribution is a 19th century solution to a 21st century problem.

We need to support island-specific solutions; solutions that are best for our energy independence and security. We do NOT need to perpetuate centralized delivery of energy by having an expensive and potentially dangerous undersea cable. We do NOT need industrial wind taken from Lana’i and Moloka’i. It would, when it works (for an example of industrial wind power plants not working, look to Kahuku) produce perhaps 5% of O’ahu’s energy demands.

Residents of O’ahu should understand that Big Wind on Lana’i and Moloka’i would NOT lower electric rates. In fact, as a result of last year’s Undersea Cable Bill, HECO’s O’ahu ratepayers will be charged an additional “rate increase, rate adjustment and/or cable rate surcharge” just to pay for the cost of the cable.

Big Wind would be a major distraction -- it is anathema to the concept of Lana’i as an energy self-sufficient island -- to it’s new majority landowner’s vision. A hundred wind turbines on Lana’i’s treasured north end will not in any imaginable way advance Lana’i’s efforts to become an international example of how a Hawaiian island can be energy self-sufficient.

Passage of this resolution tells the Governor, PUC and HECO that the people of Lana’i and Moloka’i **DO NOT WANT BIG WIND ON THEIR ISLANDS.**



thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 12:43 PM
To: EEPtestimony
Cc: paddle@wave.hicv.net
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Christine Costales | Kupa'a no Lana'i | Support | No |

Comments: I support the passage of HCR 189 to STOP the undersea cable from Lana'i and Moloka'i to be used for the purpose of industrial wind power for Oahu or any other island. Lana'i and Moloka'i still hold many treasured open spaced "classrooms" that Oahu has vastly lost due to over development and a need for fast track projects. We need smart solutions for the term "sustainability" and an undersea cable does not reflect our island's needs or wants. The land and ocean resources are more valuable than the cost of the cable. We the people will continue to protect and preserve our storied places, iwi kupuna, na heiau and natural resources that sustain a community.

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.

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Testimony for HCR189

Aloha Honorable Representatives.

Thank you for hearing this Resolution, and special thanks to our own Representative, Mele Carroll, for placing it before you. We believe this is an important step in a long struggle to find an appropriate role for Molokai in the future of our state.

It's only fair to thank the Governor too, since he's the one who woke us up. After his election, he came to Molokai and outlined a future based on the revival of agriculture and the arts. Molokai, he said, can once again be the bread basket and the cultural center of the islands. It's a good vision. No one disagreed with him then; no one disagrees with him now.

Unfortunately, he then went back to Honolulu and signed off on his predecessor's big wind project, which had the potential to turn Molokai into an industrial dumping ground.

As you know, Molokai Ranch recently canceled their agreement with the turbine developer. We believe this is the right decision. We are still monitoring the discussion of inter-island high voltage cables, because the cheapest route will be on or along our reef, and that could have devastating consequences for the fishing on which so many of our residents depend.

You could say we are here today to promote the Governor's original vision. On Molokai big industry threatens not just "life style" or "view planes," but basic survival. At least half of Molokai's residents depend on hunting, fishing and gathering to put food on the table. The state should invest here, but on a small scale --- agriculture, arts, and maybe low-impact tourism. Beauty, peace and quiet are marketable, but only if you preserve them. If we could bring inter-island transportation costs down, other islands would soon see that Molokai people have plenty to offer the rest of the state. Molokai is a precious remnant of old Hawaii; Molokai has always been sustainable; Molokai can be a model for a sustainable future.

Under the inspiring leadership of Mr. Helm, we are working to create our own Molokai Clean Energy Initiative. We are not the island that just says no, we are the island that says: Come on over, let's talk, and let's build a smarter future that guarantees opportunity for all. As one of two islands with an upcountry airport, Molokai says: let's improve statewide emergency preparedness. As an island with a small grid and scattered communities, Molokai says: let's convert to solar and make it work. As an island that has been excluded from decision-making, Molokai says: We believe in democracy; Let's find ways to connect every citizen with our government and our elected representatives.

And that's why we're here today. Mahalo.



680 Iwilei Road, Suite 510
Honolulu, Hawai'i 96817
(808) 548-4811 • Fax (808) 548-2980

Testimony by Harry Saunders
President, Castle & Cooke Hawai'i
April 9, 2013

Harry A. Saunders
President

HOUSE COMMITTEES on
ENERGY & ENVIRONMENTAL PROTECTION
and
CONSUMER PROTECTION AND COMMERCE

April 10, 2013
2:00 p.m.
Room 325

**IN OPPOSITION TO
HCR 189/HR 150**

Urging the Governor and the Public Utilities Commission to Seek
Alternatives to the Industrial Wind Generation Facilities and
Interisland High-Voltage Undersea Electric Transmission Cable
System Proposed for the Islands of Moloka'i and Lāna'i

Chair Lee, Vice Chair Thielen, Chair McKelvey, Vice Chair Kawakami and Members of
the House Committees on ENERGY AND ENVIRONMENTAL PROTECTION and
CONSUMER PROTECTION AND COMMERCE:

I am Harry Saunders, President of Castle & Cooke Hawai'i. We strongly oppose
HCR 189/HR 150. This resolution suggests that the Legislature categorically opposes
wind farms as a viable option to address Hawai'i's overdependence on imported fossil
fuels. This would be contrary to the leadership shown by the Legislature and
Administration in establishing Hawai'i's progressive renewable energy public policy to
facilitate achievement of Hawai'i's energy security on all fronts and through all available
renewable energy resources and technologies.

We commend the State Legislature and Administration for responding to Hawai'i's
energy crisis by initiating substantial changes in policy and law to facilitate the
realization of Hawai'i's ambitious renewable energy mandates and goals. State leaders
have established a goal for Hawai'i to meet 70 percent of its future energy needs from
clean, renewable energy sources within the next 20 years. At a minimum, this
Legislature has established Hawai'i law that requires that 20 percent of our energy be
produced from renewable sources in the next 10 years.

This Legislature has consistently and clearly shown leadership in stating Hawai'i's public policy on renewable energy. As an example, the preamble to Act 173 passed in 2009 is typical of the Legislature's statement of this public policy:

"The legislature finds that Hawai'i's dependence on petroleum for over ninety percent of its energy needs is greater than any other state in the nation. This makes the State extremely vulnerable to any oil embargo, supply disruption, international market dysfunction, and many other factors beyond the control of the State. Furthermore, the continued consumption of conventional petroleum fuel and price volatility can negatively impact the environment and economic health of the people of Hawai'i. At the same time, Hawai'i has among the most abundant renewable energy resources in the world, in the form of solar, geothermal, wind, biomass, and ocean energy assets.

"The legislature also finds that increased energy efficiency and use of renewable energy resources would increase Hawai'i's energy self-sufficiency, achieving broad societal benefits, including increased energy security, resistance to increases in oil prices, environmental sustainability, economic development, and job creation.

"To shape Hawai'i's energy and environmental future and achieve the goal of energy self-sufficiency for the State, efforts must continue on all fronts, integrating new and evolving technologies, seizing upon opportunities to become more economically diversified, and providing incentives and assistance to address barriers."

The Legislature has recognized that to achieve energy security for Hawai'i's future, all renewable energy projects, large and small and from all of Hawai'i's abundant natural resources, must be seriously considered and pursued. In order for substantial renewable energy projects to be aggressively pursued, constructed and integrated into our grid, bold and visionary leadership and action are needed from both the public and private sector working together to achieve energy security for Hawai'i. However, visionary leadership and transformative change will not occur through policy makers abandoning viable projects prior to Environmental Impact Study (EIS) and permitting processes, in reaction to opposition or concern by special interest groups.

With respect to the Lāna'i wind farm, we respectfully submit that:

- Wind technology is proven and a commercially viable renewable energy source;
- Lāna'i has world class wind resources;
- Public input and debate regarding the merits of various renewable energy projects is required and necessary, and the EIS and extensive permitting processes required for any project will determine whether project impacts can be mitigated so that residents can avail themselves of the many benefits of the project;
- A large scale wind farm is a game changer! And it is one of many renewable resources that must be seriously considered and implemented if viable.

We can achieve energy independence using our abundant natural resources available in Hawai'i, but we need comprehensive energy policy that encourages the rapid development of domestic energy sources like wind and solar.

I believe we have united political leadership and vision on the importance of energy security and independence. Future generations will look back and know that it required bold strides and courageous leadership to seize control of Hawai'i's energy welfare and security.

For these reasons, we strongly oppose this resolution.

Harry A. Saunders, President
Castle & Cooke Hawai'i
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548-4884

Richard Mirikitani, Senior Vice President and Counsel
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548-4890

Carleton Ching, Vice President – Community and Government Relations
Castle & Cooke Hawai'i
cching@castlecooke.com
548-3793



Testimony of Cindy McMillan
The Pacific Resource Partnership

House Committee on Energy & Environmental Protection
Representative Chris Lee, Chair
Representative Cynthia Thielen, Vice Chair

House Committee on Consumer Protection & Commerce
Representative Angus L.K. McKelvey, Chair
Representative Derek S.K. Kawakami, Vice Chair

HCR 189 / HR 150 - URGING THE GOVERNOR AND THE PUBLIC UTILITIES
COMMISSION TO SEEK ALTERNATIVES TO THE INDUSTRIAL WIND GENERATION
FACILITIES AND INTERISLAND HIGH-VOLTAGE UNDERSEA ELECTRIC
TRANSMISSION CABLE SYSTEM PROPOSED FOR THE ISLANDS OF MOLOKAI AND
LANAI

Wednesday, April 10, 2013

2:00 pm

Conference Room 325

Aloha Chairs Lee and McKelvey, Vice Chairs Thielen and Kawakami, and members of the Committees:

The Pacific Resource Partnership (PRP) is a labor-management consortium representing over 240 signatory contractors and the Hawaii Regional Council of Carpenters.

PRP *opposes* HCR 189 / HR 150, which urges the Governor and the Public Utilities Commission (PUC) to seek alternatives to the industrial wind generation facilities and interisland high-voltage undersea electric transmission cable system proposed for the islands of Molokai and Lanai. The underwater interisland electric cable debate has gone on for many decades and in 2012, the governor signed a bill that authorizes the development and construction of the interisland high-voltage undersea cable.

The transmission cable will enhance the use of renewable energy resources and reduce fuel costs through interconnected island grids. It will also provide “mutual-aid” backup electricity between islands in emergencies or other system events.

Hawaii residents pay the most in the country for electricity and it only makes sense for our islands to be interconnected to strengthen and improve our electricity grids and at the same time enable us to level our electricity rates. This is a long overdue infrastructure investment that is needed now.

Thank you for the opportunity to express our opinion on HCR 189/HR 150.



TESTIMONY IN SUPPORT OF HCR 189 and HR 150
Alternatives to the Interisland Transmission Cable System

Hearing, Wednesday, April 10, 2013, Conference Room 325, State Capitol, House
Committee on Energy & Environmental Protection, and Consumer Protection &
Commerce

Representative Chris Lee, Chair
Representative Cynthia Thielen, Vice Chair
Members, Committee on Energy and Environmental Protection

Representative Angus McKelvey, Chair
Representative Derek Kawakami, Vice Chair
Members, Committee on Consumer Protection and Commerce

From: Kitty M. Simonds, President, Maunalua Hawaiian Civic Club

Aloha,

The Maunalua Hawaiian Civic Club (MHCC) supports HCR 189 and HCR 150 and thanks the legislature for considering this measure. The issue of wind power generation for transmission from Lana`i and Moloka`i to O`ahu has been divisive for these island communities. The intent was for the owner of Lana`i island and Moloka`i Ranch to create revenue from their land ownership with, at least, the perception that the concerns with the other affected community members were marginalized. This is evidenced by a condition of the sale of the Lana`i island to the new owner: the previous owner retains the right to develop this project.

There are 3,102 residents of Lana`i and 7,404 residents of Moloka`i who are residents of the State of Hawai`i. They should have the same rights and opportunity as any other citizen in Hawai`i in decision-making and commenting on economic development in their community. Both islands have a dependence on wild food harvested from the environment. The development of industrial wind generation facilities will have a profound effect on their access to and harvesting of wild food resources.

Maunalua Hawaiian Civic Club
P.O. Box 240388. Aina Haina Station
Honolulu, Hawai`I 96824

To: COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Rep. Chris Lee, Chair and Rep. Cynthia Thielen, Vice Chair

http://www.capitol.hawaii.gov/session2013/hearingnotices/HEARING_EEP-CPC_04-10-13_.HTM

| | |
|-----------------------|--------------------------|
| Rep. Denny Coffman | Rep. Derek S.K. Kawakami |
| Rep. Ty J.K. Cullen | Rep. Nicole E. Lowen |
| Rep. Cindy Evans | Rep. Richard Lee Fale |
| Rep. Faye P. Hanohano | |

COMMITTEE ON CONSUMER PROTECTION & COMMERCE

Rep. Angus L.K. McKelvey, Chair
Rep. Derek S.K. Kawakami, Vice Chair

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| Rep. Mele Carroll | Rep. Bob McDermott |
| Rep. Cindy Evans | Rep. Cynthia Thielen |
| Rep. Sharon E. Har | |

NOTICE OF HEARING

DATE: Wednesday, April 10, 2013

TIME: 2:00 p.m.

PLACE: Conference Room 325, State Capitol, 415 South Beretania Street

A G E N D A

HCR 189 / HR 150
Status / Status

URGING THE GOVERNOR AND THE PUBLIC UTILITIES COMMISSION TO SEEK ALTERNATIVES TO THE INDUSTRIAL WIND GENERATION FACILITIES AND INTERISLAND HIGH-VOLTAGE UNDERSEA ELECTRIC TRANSMISSION CABLE SYSTEM PROPOSED FOR THE ISLANDS OF MOLOKAI AND LANAI

Statement of Ulrich Bonne, PhD, Physicist, resident of Kailua-Kona, HI 96740

ulrichbonne@msn.com, 808-324-0108, representing self and over 40 co-signers of a petition to the PUC and Hawaii House and Senate, entitled

“Energy security for Hawaii via PVBBs (PVs with Battery Backup).”

Wednesday, April 10, 2013, 2:00 pm Conf.Rm 325, State Capitol, 415 S. Beretania Street

1. I support HCR 189 / HR 150, BUT I would like to be constructive and point out that a better alternative to industrial wind generator facilities and an interisland cable system is
2. Distributed (rather than central), “on-grid” solar **Photo-Voltaic** energy with on-site **Battery Backup (PVBB) could provide well over 50% of Hawaii’s total energy needs** (rather than just the presently allowed 15 or 50% of peak power, which equals only **~3 to 10% total energy**), without overloading or destabilizing the grid, **thereby obviating the need for more wind or geothermal generators, or interisland cables;** AND
3. Wide deployment of such PVBBs would be a win-win for all stake-holders, as itemized below:

Although the up-front investment in PVBBs is high, the 25- or 30-year levelized cost of \$/kWh is already now half of the present utility rate WITHOUT subsidies, and even less than that with present tax credits. The rationale for win-win to all stake-holders from high penetration of distributed rather than central PVBBs:

- For Rate Payers: -- Provide (1) electricity generation that is renewable, affordable (half of present \$/kWh), low-maintenance, long-life, environmentally benign, pono, and secure; (2) primary storage (e.g. battery or pumped hydro) backup; (3) Secondary Backup, for which the grid is a preferred, lower maintenance option than on-site generator sets, to effectively achieve uninterrupted power
- For the Grid Utility: -- Provide (1) the On-Site Battery Backup needed to level peak demand periods, (2) minimize potential PV-caused grid overload, cut transmission losses & oil imports, (3) preserve a viable grid-based utility business (i.e. manage PV output shortfalls and surpluses); (4) opportunity to invest in, install and/or maintain distributed PVBBs in partnership with commercial installers; and (5) reduce the need for triple transmission redundancy (as now practiced for under sea & on land transmission lines).
- For the State and County Economy: -- Provide (1) a boost in economic activity due to a rise in household discretionary funds, which result from 30-year levelized lower electricity rates, which in turn (2) lead to more taxable sales of products and services, making up for reduced tax revenue from oil imports and electricity sales;
- For the State and County Environment: -- Provide (1) for exceeding the State Renewable Energy Goals; (2) reduced health care costs due to reduced air pollution from fossil combustion; and (3) reduced ocean acidification

Details in support of the above are at

<http://alohafuels.pbworks.com/f/PB-12-WHT-HELCO-IRP-3-950.pdf> (short version), at <http://alohafuels.pbworks.com/f/PB-12-HELCO-AKP-PUC-1.pdf> Sections 7-9 and at <http://AlohaFuels.pbworks.com/f/VG-13-PVBB-Security.pdf> , PPT presentation.

The petition “Energy security for Hawaii via PVBBs (PVs with Battery Backup)” is open for more names at <http://signon.org/sign/energy-security-for-hawaii>

TESTIMONY – Adolph Helm

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION
COMMITTEE ON CONSUMER PROTECTION & COMMERCE

HCR 189 / HR 150
Status / Status

URGING THE GOVERNOR AND THE PUBLIC UTILITIES
COMMISSION TO SEEK ALTERNATIVES TO THE INDUSTRIAL
WIND GENERATION FACILITIES AND INTERISLAND HIGH-
VOLTAGE UNDERSEA ELECTRIC TRANSMISSION CABLE
SYSTEM PROPOSED FOR THE ISLANDS OF MOLOKAI AND
LANAI.

DATE: Wednesday, April 10, 2013
TIME: 2:00 p.m.
PLACE: Conference Room 325
State Capitol
415 South Beretania Street

POSTION: SUPPORT

Chairs Lee and Mckelvey and Co Chairs Thielen and Kawakami and Fellow Committee Members;

Thank you for providing an opportunity to submit testimony in support of House Concurrent Resolution HCR 189 and HR 150. With the recent Molokai Ranch decision to not renew the license agreement with Molokai Renewable to lease and develop 11,000 acres for a 200 MW industrial wind plant that would generate and transport electricity via a high voltage undersea transmission cable to Oahu and coupled with Lanai's new owner and community sustainability plan the resolution suggest a more sensible approach by encouraging the state to allow Molokai and Lanai to opt out of the undersea electrical cable system and seek a more practical island specific energy plan.

I Aloha Molokai have already moved forward with leading and bringing key stake holders such as the State and Maui County energy planners, MECO, large landowners (Kamehameha Schools, Molokai Ranch and DHHL) and OHA to the table to discuss the idea of developing an island specific Molokai Clean Energy Initiative (MCEI). The first meeting was held last month and the second meeting is scheduled on Molokai for April 16, 2013.

Not often do we see this kind of attempt and success by an advocacy group to bring people together who may share different and opposing views to work on finding common ground and solutions to Hawaii's energy future. The resolution will help in providing opportunities to draft new energy legislation that support community based energy policies that are island specific. I humbly ask you to support this Resolution.

Mahalo

Aloha,

I strongly support HCR 189 because I believe that island-specific solutions are best for our energy independence and security, NOT perpetuating centralized delivery of energy by an expensive undersea cable and dependence on industrial wind taken from Lana'i and Moloka'i.

This resolution helps the Governor, PUC, HECO and the residents of O'ahu understand that Big Wind on Lana'i and Moloka'i would NOT lower electric rates; that in fact HECO's O'ahu ratepayers will be charged an additional "rate increase, rate adjustment and/or cable rate surcharge" (according to last year's Undersea Cable Bill) just to pay for the cost of the cable.

Passing this resolution tells the Governor, the PUC and HECO that a hundred wind turbines on Lana'i's treasured north end - will not advance Lana'i's efforts to become an international example of how a Hawaiian island can be energy self-sufficient. This area is NOT a barren wasteland as the proposed developer has called it, but instead is a 'Bishop Museum without walls', as well as prime hunting, fishing, and recreational area.

Passage of this resolution tells the Governor, PUC, & HECO that **THE PEOPLE OF LANA'I AND MOLOKA'I DO NOT WANT BIG WIND ON THEIR ISLANDS.**

Thank you for the opportunity to share my mana`o.

Beverly Zigmond
PO Box 631067
Lana'i City

thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 2:02 PM
To: EEPtestimony
Cc: buzz.green@gmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Buzz Green | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 8:02 PM
To: EEPtestimony
Cc: cahtoong@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Carol Ah Toong | Individual | Support | No |

Comments: Lana'i and Moloka'i residents do not want Big Wind on their islands. As an O'ahu resident, I don't want to pay the extra charges for the undersea cable, etc. My electric bill won't be lower and the visual and cultural beauty of the islands will be destroyed, not to mention denied access to one fourth of Lana'i. Solar power is the way to go for alternative energy. Look at how awful Maui looks with the towering, invasive, alien-looking turbines on the West Maui ridge. What an eyesore. Auwe to Big Wind. Move on without it.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 6:55 PM
To: EEPtestimony
Cc: omjanaki@hotmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Carol Onuma | Individual | Support | No |

Comments: I do not support having windmills on Lana'i

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 1:26 PM
To: EEPtestimony
Cc: icec002@hawaii.rr.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| charles ice | Individual | Support | No |

Comments: The public may finally feel it's being heard. Please urge the Governor and the PUC to consider alternatives to these poorly-considered, destructive Big Wind and Interisland Cable proposals.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Friday, April 05, 2013 5:27 PM
To: EEPtestimony
Cc: cpgroup@aloha.net
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/5/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Cheryl Corbiell | Individual | Support | No |

Comments: Yes, I support HCR189 and HR150 and politely encourage all members of the Energy and Environmental Protection and Consumer Protection and Commerce committees to pass these bills and, thereby, allow time for Lanai and Molokai to seek alternatives to Big Wind and the inter-island electric cable proposed for both Lanai and Molokai. Lanai and Molokai residents support appropriate, small scale, localized alternative energy and preserves the small island communities, cultural resources, and the environmental resources of Lanai and Molokai.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 4:28 PM
To: EEPtestimony
Cc: clive_cabiles@hotmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Clive Cabiles | Individual | Comments Only | No |

Comments: I strongly feel that we can find alternative power besides the huge windmills that jeopardizes not only the lifestyle & harmony of Lanai, but also will greatly affect & destroy the Hawaiian historical sites, landscape, beauty, & the simplicity of what Lanai is all about. Fishing & hunting grounds will be very limited to this area due to liability clause.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, April 04, 2013 5:13 PM
To: EEPtestimony
Cc: lotuslover@hotmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/4/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Courtney Bruch | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 2:04 PM
To: EEPtestimony
Cc: shawdm@alum.urmc.rochester.edu
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Diana M. V. Shaw | Individual | Support | No |

Comments: Passage of this resolution tells the Governor, PUC, & HECO that THE PEOPLE OF LANA'I AND MOLOKA'I DO NOT WANT BIG WIND ON THEIR ISLANDS. We have chosen to live on the island of Lana'i and have chosen this as our way of life -- simple, with natural beauty around us. Sustainable in its simplicity. Forcing Big Wind on this island, and on Molokai, to feed Oahu's unnatural appetite is diminishing my unalienable right and over-ruling my choice of lifestyle - We do not want Big Wind on our islands.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 5:28 PM
To: EEPtestimony
Cc: Stoked_r_us@hotmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Donna Stokes | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 9:14 AM
To: EEPtestimony
Cc: dgtamura@hawaiiintel.net
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Doreen Tamura | Individual | Comments Only | No |

Comments: I am in favor of HCR 189. Residence of Lanai & Molokai do not need Big Winds on their islands. It will not help the people of Hawaii and it will destroy the Ocean and the Aina. Please STOP the Big Wind projects. Each island should support themselves and not other islands.

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.

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Testimony In Support Of HR 150 & HCR 189

URGING THE GOVERNOR AND THE PUBLIC UTILITIES COMMISSION TO SEEK ALTERNATIVES TO THE INDUSTRIAL WIND GENERATION FACILITIES AND INTER-ISLAND HIGH-VOLTAGE UNDERSEA ELECTRIC TRANSMISSION CABLE SYSTEM PROPOSED FOR THE ISLANDS OF MOLOKAI AND LANAI.

Wednesday, April 10, 2013 -2:00 P.M. Conference room 325.

Submitted By
Ed Wagner - Mililani, HI

Chairman Lee / Vice Chair Thielen and Members of the EEP Committee/ Chairman McKelvey & Vice Chair Kawakami & Members of CPC:

An electrical system (or any system) is only as strong as its weakest link. Building an inter-island cable would be a waste of money because the electrical grid is literally crumbling beneath our roads, and it has been suggested that it will cost HECO \$100 million dollars to upgrade the grid just on Oahu, and guess who will get the bill - ratepayers already being fleeced and raped by our century's old utility monopoly. It is also rumored that HELCO may want to sell the Big Island grid because it is too far gone! Ending that monopoly by rescinding HRS 269-6 is long overdue to provide open and competitive markets to solve our energy problems created by this monopoly.

The days of centralized energy generation are numbered. All future electrical energy generation will be distributed because it is more efficient and less costly. There are several ways to implement this approach. Ideally, each island would be self-sufficient and be capable of providing its own power, including Oahu.

One way is to bring in portable Small Modular Reactors (SMRs) like those used in the Navy's fleet at Pearl Harbor and as proposed by retired Senator Fred Hemmings (see below) and even supported by Naval Officers I have spoken to at Pearl Harbor. Adding these to the mix will allow Hawaii to move up its timetable to be 100% free of fossil fuel in 10 short years. All we need to do is set our minds to it by pushing

or ramming the HEI utility monopoly out of our way like a snow plow pushing snow from a street during a mainland snow storm.

Another alternative distributed energy source is fuel cell technology. One example is from www.bloomenergy.com:

What is Distributed Generation?

Distributed generation (DG) refers to power generation at the point of consumption. Generating power on-site, rather than centrally, eliminates the cost, complexity, interdependencies, and inefficiencies associated with transmission and distribution. Like distributed computing (i.e. the PC) and distributed telephony (i.e. the mobile phone), distributed generation shifts control to the consumer.

Built with our patented solid oxide **fuel cell** technology, **Bloom's Energy Server™** is a new class of distributed power generator, producing clean, reliable, affordable electricity at the customer site.

Fuel cells are devices that convert fuel into electricity through a clean electro-chemical process rather than dirty combustion. They are like batteries except that they always run. Our particular type of fuel cell technology is different than legacy "hydrogen" fuel cells in three main ways:

1. Low cost materials – our cells use a common sand-like powder instead of precious metals like platinum or corrosive materials like acids.
2. High electrical efficiency – we can convert fuel into electricity at nearly twice the rate of some legacy technologies
3. Fuel flexibility – our systems are capable of using either renewable or fossil fuels

Each Bloom Energy Server provides 200kW of power, enough to meet the baseload needs of 160 average homes or an office building... day and night, in roughly the footprint of a standard parking space. For more power simply add more energy servers.

These particular fuel cells use natural gas or Directed Biogas as a fuel to generate the electricity. There are other examples.

A Third form of distributed energy is solar with battery backup, and I support the proposal being submitted to you by Ulrich Bonne, Ph.D., Chemical Physicist, Energy Consultant and Analyst from Kailua-Kona.

<http://alohafuels.pbworks.com/w/page/44240912/FrontPage>

Here is Senator Hemmings SMR proposal.

Small Modular Reactors: Creating Energy Independence for Hawaii

By Senator Fred Hemmings

Asia Pacific Clean Energy Summit & Expo

September 2, 2010

It has been said that "throughout human history, those that have had the wisdom and fortitude to innovate have been the agents of change and have spawned a better world for all humanity".^{[1][1]} In America, our freedom is the fuel of innovation.

Opportunity abounds in Hawaii. We need to be honest with ourselves in considering the reality of energy in our state. The following is well documented. The cost of electricity in the state of Hawaii is our nation's highest.^{[2][2]} At the height of the fuel crisis in 2008, when it was politically correct to bash the oil companies, gasoline in Hawaii cost 35 percent above the national average. ^{[3][3]} At the same time, electric prices were 180 percent more than the national average. ^{[4][4]} Another sad fact is that Hawaii is one of the states with the highest potential for wind, solar, and other renewable energies, yet it is one of the most dependent on fossil fuels, coal and oil. Instead of moving forward in energy independence, in the last 20 years Hawaii has regressed. We can change this, and we must change it!

Hawaii now has the goal of being 70 percent energy independent by 2030. I say that by 2030 we could be close to 100 percent energy independent from oil and coal for electricity and ground transportation. Does this sound bold? There is an innovative solution to our energy woes which needs to be seriously considered for Hawaii. This option is nuclear energy, and most specifically small modular reactors. For too long, fear and falsehoods have kept the genie of nuclear energy in the bottle.

Let me make it perfectly clear that the Hawaii State Constitution does not, as some would believe, ban nuclear energy from Hawaii. Our Constitution says that 2/3 majority of the House and Senate must approve the use of nuclear energy in our state. What makes this codicil ludicrous is that Hawaii already has the largest concentration of nuclear reactors of any location in the world.^{[5][5]} Currently, sixteen nuclear submarines are based in Pearl Harbor and, at any given time, there could be up to a half dozen or more nuclear reactors sitting in the harbor. ^{[6][6]}

What does the United States military know that we in Hawaii ignore? The answer is that nuclear energy is clean, reliable, and abundant and has the best safety record of any energy source. More people have died in one coal mine or oil related accident than have died in the history of nuclear energy. The financial costs are staggering. The pollution and degradation of our environment caused by coal and oil is incalculable. If

carbon emissions are the world's most pressing environmental problem, then nuclear energy is the solution. Breaking technology is now offering a safe and affordable alternative to large nuclear reactors, called Small Modular Reactors, or SMRs. Even enlightened environmentalists have changed their minds about energy and now support nuclear. Greenpeace activist Patrick Moore, Gaia theorist James Lovelock, Greenpeace UK Executive Director Stephen Tindale, Friends of the Earth board member Bishop Hugh Montefiore and environmental icon Stewart Brand have all switched sides in the nuclear energy debate, notes reporter Steve Christ in a recent issue of *Wealth Daily*.^[7]
^[7]

Let me give you reasons why small modular reactors would work for Hawaii. Small modular reactors produce from 25 to 250 mw of energy. SMRs are safe for a number of reasons. Some SMRs use a helium-cooled high-temperature system with direct-cycle gas turbines which prevents meltdown^{[8][8]}, others are traditional designs. They can be sequestered underground, thus increasing safety and security. Small modular reactors also provide redundancy—if one goes offline for repair or maintenance, the others can keep energy flowing. Another reason that SMRs make sense is cost. I am a huge proponent of wind, solar and geothermal, but, since wind and solar do not provide firm capacity, other firm energy resources must be used. Wind and solar can also be land intensive. For instance, one small SMR producing 250mw of electricity will incorporate about five acres of land. To produce the same amount of energy will take about 578 acres of land for 12 wind turbines as illustrated by the new Kahuku wind farm. ^{[9][9]}

It may not be news to you that I oppose the proposed undersea cable which is a boondoggle we cannot afford. It would contribute to the monopoly grid and could create system wide blackouts. Projected cost is over a billion dollars and does not include the wind farms. Unfortunately there are some politicians that don't understand that all business costs are ultimately paid by the consumers. The genius of small modular reactors, solar panels on roofs and wind generation is that they do not have to be centralized. In the case of energy, big is not necessarily better. Energy independence for individual houses with solar panels, communities with wind mills and select small modular reactor energy plants will be much more cost effective and efficient in the distribution of electricity and provide for security.

Speaking of security, it is unfathomable that America is buying fossil fuel from nation states that wish our country ill. You can be sure that some of the money we are spending in the Middle East for oil ends up in the hands of Islamic extremists who have declared and are waging the war of terror. Energy independence also means geopolitical security for our state, and our nation.

Curiously, there is a rapidly developing interest in SMRs on a national level. I have been to Washington twice to give speeches on expediting Small Modular Reactor Legislation, one sponsored by the Nuclear Energy Institute in February, and most recently the Nuclear Energy Symposium in Alexandria Virginia. I also gave a similar talk to a

Conference on Military Energy Independence in San Diego, California last March.

America needs to revamp the licensing of nuclear energy plants which I have outlined in suggested legislation. I have met with several congressmen who are considering the legislation to expedite licensing of SMRs. The problem in achieving this goal is a government bureaucracy called the Nuclear Regulatory Agency. Incredibly, a new nuclear energy plant is just now going online in the United States after 30 years. It takes over ten years to get a permit from the NRC, and may cost many millions of dollars. Recently a "Nuclear Caucus" has been formed in Congress.

Additionally, operating under archaic laws passed during the Jimmy Carter Administration, America is not recycling spent nuclear fuel. I'm not just speculating that recycling works. It does work. Look at France, where 80 percent of their energy comes from 59 nuclear plants and 90 percent of the waste is recycled. I'm here to tell you that with new technology and economies of scale, nuclear waste will not be a problem if we follow the example established by other countries such as France. I am holding in my hand legislation which was recently passed by the Commonwealth of the Northern Mariana Islands (CNMI). Let me read a portion of the findings cause. This was signed into law by their governor Benigno R. Fitial. CNMI has gone from an island nation that formerly banned nuclear energy to a nation and is now fast tracking its development through small modular reactors. America should lead the world in energy innovation and technology, and we can! The list of well respected companies developing SMRs includes Babcock and Wilcox, Bechtel, GE-Hitachi, Westinghouse, Toshiba, and a host of new companies such as Bill Gates' TerraPower and Hyperion.

Small modular reactors are extremely cost effective. The average cost of wind is four to eighteen cents per kilowatt hour and solar is fourteen to thirty cents per kW hour.^[10]^[10] These are both considered intermittent sources of power. Nuclear energy, which is a baseload source, can range from six to thirteen cents per kW hour.^[11]^[11] Incredibly in Hawaii we are now paying about 27 cents per kW hour for electricity.^[12]^[12]

Everyone is talking about the electric car company TESLA whose stock soared when they went public. America can once again gain world leadership in ground transportation rather than yielding to companies such as Toyota and Honda. How? Through the use of wind, sun and small modular reactors we can have enough electricity and firm capacity to energize our cars and have an entire electric fleet by 2030. Recently HECO has also agreed to generate more electricity at a reduced rate to energize electric cars. The punch line is that we don't currently have enough clean electricity in Hawaii and increased production will come from expensive fossil fuels. This doesn't make sense does it?

How about water? One small modular reactor electrical plant could provide enough energy to make an entire island, such as Kahoolawe, a virtual paradise. There would be enough excess energy produced to run a desalination plant. Water could be pumped up

to a reservoir which could then irrigate the entire island or store energy. The production of abundant, clean water could be a reality statewide and contribute significantly to agriculture and food sustainability.

I freely admit that what I am proposing today may scare people and create a backlash, but we must make decisions based on fact, and not emotions based on falsehoods and outdated information. Look at the number of great initiatives that have been thwarted because of ill informed vocal opposition. The Big Island could have been energized with geothermal 25 years ago. In the eighties, I advocated to Governor Waihee what could have been a multibillion dollar industry for Hawaii. A space launch site on the southeast flank of the Big Island, which is the best place in the world for polar and equatorial launches, could have been a reality. The proposal never got off the ground, excuse the pun, because of a handful of opponents. Just recently, look what happened to the Super Ferry.

I am one state senator that sees great opportunity for our state to achieve sustainability in all its forms...food, energy, and security. We cannot stagnate. We must revolutionize energy generation in Hawaii.

Please remember the greatest strides in human history have been made by those who have not sustained the status quo, rather by those who have changed it. We can't wait for an energy evolution, we need an energy revolution. SMRs ARE revolutionary technology which could create energy independence for our [state]

Responses from Senator Hemmings to email about SMRs offshore.

I advocate SMR energy ships that could generate 250 MR

1. Military coastal bases (Pearl Harbor/Hickam) energy
- 2 . At low demand times Excess capacity at no additional costs could be used to desalinate water and energize electric vehicles.
- 3 This would make for independence, sustainability at less costs in Hawaii than buying from HECO.

Energy ships would be as safe or safer than nuclear submarines which have a perfect safety record. In addition that energy ships could be quickly out of port and at sea pending a natural or other disaster

Energy ships with SMRs similar to submarines could be built and supply energy cleanly and safely. There are over 16 Nuclear submarines based at Pearl Harbor and at any time along with nuclear surface vessels numerous nuclear energy plants are in Pearl

Harbor. Remember Hawaii has the highest concentration of nuclear plants anywhere in the world. A SMR Energy ship as I propose tied up in Hilo harbor and one tied up on the Kona coast would provide enough electricity for the big isle and non peak use could energize electric cars and desalinization plants. Not only would the reactors be safely secured on the energy ships they would also be portable. Energy ships could service all isles. Even Kahoolawe could be turned into a vibrant green isle. What happen in Japan is a logical reason why our nation must wean ourselves from archaic dinosaur big reactors that are 50 plus year old technology. For the record bio energy is inefficient and we should be using our farming resources for food. Our state desperately needs to be more self sufficient, we are precariously dependent. I am ready to assist this effort where appropriate.

Fred Hemmings

Retired Naval officer from Pearl Harbor - Name withheld for privacy

On the offshore reactor idea – I am a FIRM believer in a STATE-WIDE GRID. That means each island connected to another through an undersea/terrestrial backbone of high voltage power lines. I’m not sure if we want to use cryogenically-cooled cables and run HVAC or something less – but one way or another, there has to be the ability for power sharing amongst the islands if we ever want to see this state come into the modern age of energy and have an efficient energy system. Even without the oil-rig-mounted nuclear power plant, we still need cables connecting the islands. Preferably owned/operated by someone NOT HECO.

The oil-rig-mounted reactor power plant would probably be something we’d need two of, perhaps three, with one to start, on Oahu - – and the reactor doesn’t need to be under a dome like the SBX – it just needs to be contained ON THE FLOATING PLATFORM with a way to ensure the ability to scuttle the system if an unforeseen event (like Fukushima) occurs that the tertiary and more redundant, higher level systems can’t handle. Anyone who does not have a problem with the small footprint of SBX on the horizon on her way out to sea (probably most have never even seen it) wouldn’t even [see] another oil rig/power plant located a little closer to land.

Sincerely,

Ed Wagner
Mililani

thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 8:04 AM
To: EEPtestimony
Cc: callinan.elaine@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Elaine Callinan | Individual | Support | No |

Comments: This bill supports the energy future of Molokai to formulate programs and a plan for distributive small-scale energy resources. Please support this effort to urge the PUC and the Governor to act in the people's best interest.

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Elaine Dunbar
POB 861
Lihue, HI 96766
inunyabus@gmail.com

HCR189 -SUPPORT

Aloha Chair and Committee Members,

Please don't expect the outer islands to satisfy Oahu's high demands for extravagant and wasteful energy uses due to the exceeded carrying capacities brought on by poor planning.

Most GREEN ENERGY proposals are designs to be able to use MORE, waste more and GREEN ENERGY is a complete misnomer. It's a disgusting corporate scheme to cash in by exploiting a well intentioned concept that is already beginning to lose credibility.

Turn off the air conditioners once in awhile. Devise and employ some critical thinking on limiting such waste, especially in highrises.

Most importantly, start enforcing ARTICLE IX Sect. 6 of the Hawaii State Constitution.

There is NOTHING GREEN about Windmills if it is stealing from one for the excessive abuses of another - ELIMINATE EXCESS, that's GREEN.

thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 6:19 PM
To: EEPtestimony
Cc: worldcat30@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| George Purdy | Individual | Support | No |

Comments: Look for alternatives.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 9:38 AM
To: EEPtestimony
Cc: jim.mckown@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| James McKown | Individual | Support | No |

Comments: I would like to express my support for HCR189. While we are one ohana, I do not think it is pono to expect our neighbor-island ohana to bail us out of years of mis-use of our 'aina and unsustainable growth and development - particularly when we show no signs of learning to care for our islands in a way that respects the 'aina and our ohana. Let's find (and fund) solutions that meet our on-island needs both in terms of energy production and thoughtful, long-term-focused growth. Pillaging the resources of our neighbors to address our out-of-control growth and development appetite is not pono. We have an obligation and responsibility to be better stewards of our land, our home.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 1:34 AM
To: EEPtestimony
Cc: mcpherson.kimo@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| James Mcpherson | Individual | Comments Only | No |

Comments: support support no cables no cables support HCR189 NOW!!!!!!!!!!!!!!!!!!!!!!

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, April 04, 2013 2:40 PM
To: EEPtestimony
Cc: jtrujill@hawaii.edu
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/4/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| james trujillo | Individual | Support | No |

Comments: aloha and mahalo for accepting this testimony in support of HCR 189. the people of lana'i and moloka'i have asked for support from neighbor island residents who are concerned for the well being of our residents in this beautiful island state. please look at alternatives for local energy solutions for each island's need. let's commit to being efficient with our resources and develop plans for sustainable local sources for hawaii's fuel needs. mahalo for considering this testimony and please pass HCR 189 for further consideration. aloha and best of luck with your deliberations. with respect and aloha, james g trujillo kapaa, HI

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 8:31 AM
To: EEPtestimony
Cc: jannevision@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Jan Watson | Individual | Oppose | No |

Comments: This resolution tells the Governor, the PUC -- and HECO -- that island-specific solutions are best for our energy independence and security, NOT perpetuating centralized delivery of energy by an expensive undersea cable and dependence on industrial wind taken from Lana'i and Moloka'i. This resolution helps the Governor, PUC, HECO and the residents of O'ahu understand that Big Wind on Lana'i and Moloka'i would NOT lower electric rates; that in fact HECO's O'ahu ratepayers will be charged an additional "rate increase, rate adjustment and/or cable rate surcharge" (according to last year's Undersea Cable Bill) just to pay for the cost of the cable. Passing this resolution tells the Governor, the PUC and HECO that a hundred wind turbines on Lana'i's treasured north end will not advance Lana'i's efforts to become an international example of how a Hawaiian island can be energy self-sufficient. Passage of this resolution tells the Governor, PUC, & HECO that THE PEOPLE OF LANA'I AND MOLOKA'I DO NOT WANT BIG WIND ON THEIR ISLANDS.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 11:17 AM
To: EEPtestimony
Cc: jtt.hew@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Janeel Hew | Individual | Support | Yes |

Comments: Thank you for hearing HCR189. I am in STRONG SUPPORT and will be present at the hearing to urge you to support this also. Thank again, Janeel Hew

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 3:19 PM
To: EEPtestimony
Cc: jankaopuiki@yahoo.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Janice Hill | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 3:05 AM
To: EEPtestimony
Cc: dmelloj@hawaii.edu
Subject: *Submitted testimony for HR150 on Apr 10, 2013 14:00PM*

HR150

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Jared Dmello | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, April 04, 2013 6:22 PM
To: EEPtestimony
Cc: mendezj@hawaii.edu
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/4/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|-----------------------|---------------------|---------------------------|---------------------------|
| Javier Mendez-Alvarez | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 5:52 PM
To: EEPtestimony
Cc: Suneegirl@gmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Jeni Tsukiyama | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 7:30 AM
To: EEPtestimony
Cc: kbrindo@hotmail.com
Subject: Submitted testimony for HR150 on Apr 10, 2013 14:00PM

HR150

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Kathleen Brindo | Individual | Oppose | No |

Comments: Destroying 1/4 of any island, for any reason, is almost beyond imagining. The ecological footprint is just too large, and the cultural impact to people who live on a small island will be devastating. No national, state, or city parks here on Lanai. Only the small island. This is not about energy conservation. It's about money. A 20 year project to ruin 1/4 of an island. It's beyond shameful. It's sinful.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 10:49 PM
To: EEPtestimony
Cc: kealagurl@yahoo.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|-----------------------|---------------------|---------------------------|---------------------------|
| Keala Kaopuiki-Santos | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 10:30 PM
To: EEPtestimony
Cc: zacherk@hotmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Keri Zacher | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 9:16 AM
To: EEPtestimony
Cc: kblimey@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Kevin Brown | Individual | Support | No |

Comments: Island-specific solutions are best for the energy independence and security of each of the separate Hawaiian islands. It must be understood that Big Wind on Lana'i and Moloka'i would not lower electric rates. In fact, O'ahu ratepayers will be charged an additional rate increase, rate adjustment and/or cable rate surcharge. Customers would not benefit from a wind project, instead foreign investors and owners will benefit. The people of Lanai and Molokai do not want industrial wind power facilities on our islands.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 6:27 AM
To: EEPtestimony
Cc: mz.l.gee@gmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| LM Galloway, PhD | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 3:36 PM
To: EEPtestimony
Cc: lorrycornish@hotmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Lorry Cornish | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 8:22 PM
To: EEPtestimony
Cc: Magonmaui@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Maggie Costigan | Individual | Support | No |

Comments: Please keep Molokai and Lanai pristine. No Big Wind. O'ahu energy should come from O'ahu.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 10:27 AM
To: EEPtestimony
Cc: peggy@bondcarr.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Margaret Bond | Individual | Support | No |

Comments: Please pass this legislation. Wind energy does not work, and should not be the reason to destroy Molokai and Lanai.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 12:00 AM
To: EEPtestimony
Cc: mauimartha@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Martha E Martin | Individual | Support | No |

Comments: I support HCR 189. I oppose building any cables that transmit power between islands. Each island should develop new renewable power sources on their own island, and use the new power to replace the current power plants, which don't make power from renewable sources.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 6:37 PM
To: EEPtestimony
Cc: richun8@hotmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Melvin | Individual | Support | No |

Comments: No windmills for Murdoch and his associates who are trying to push for this project on the island of Lanai because of his greediness which will cause destruction of archaeological and historical sites.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 3:54 PM
To: EEPtestimony
Cc: shawdm@alum.urmc.rochester.edu
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Michael Shaw | Individual | Support | No |

Comments: I am requesting that the Governor and the Public Utilities Commission seek island specific alternatives to the industrial wind generation facilities and interisland high-voltage undersea electric transmission cable system now being considered. This resolution tells the Governor, the PUC -- and HECO -- that island-specific solutions are best for our energy independence and security, NOT perpetuating centralized delivery of energy by an expensive undersea cable and dependence on industrial wind taken from Lana'i and Moloka'i. Aside from the natural disaster this plan represents these are the last places of unmolested Hawaiian cultural landscapes to be found. Destroy these treasures and you destroy what is left of real Hawai'i. THE PEOPLE OF LANA'I AND MOLOKA'I DO NOT WANT BIG WIND ON THEIR ISLANDS.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 8:49 PM
To: EEPtestimony
Cc: momisg@wave.hicv.net
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| momi suzuki | Individual | Oppose | No |

Comments: Lanai island is too beautiful to be destroyed by inefficient wind producing monsters, Oahu has the some kind of wind,so place them there, thank you!

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Friday, April 05, 2013 9:39 PM
To: EEPtestimony
Cc: pamelapcm@gmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/5/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Pamela Williams | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 3:17 PM
To: EEPtestimony
Cc: Patriciablair@msn.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Patricia Blair | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Friday, April 05, 2013 7:09 PM
To: EEPtestimony
Cc: nurseypaula@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/5/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Paula Bicoy | Individual | Support | No |

Comments: Yes, I support HCR189 and HR150 and politely encourage all members of the Energy and Environmental Protection and Consumer Protection and Commerce committees to pass these bills and, thereby, allow time for Lanai and Molokai to seek alternatives to Big Wind and the inter-island electric cable proposed for both Lanai and Molokai. Lanai and Molokai residents support appropriate, small scale, localized alternative energy and preserves the small island communities, cultural resources, and the environmental resources of Lanai and Molokai

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thielen3 - Charles

From: Rep. Cynthia Thielen
Sent: Monday, April 08, 2013 3:35 PM
To: thielen3 - Charles
Subject: FW: HCR189 & HCR 150

Cynthia

Representative Cynthia Thielen
Assistant Minority Leader
50th Representative District (Kailua – Kaneohe Bay)
Phone: (808) 586-6480
Fax: (808) 586-6481
repthielen@capitol.hawaii.gov
www.cynthiathielen.com

From: watrbaby [mailto:watrbaby@aloha.net]
Sent: Saturday, April 06, 2013 10:41 AM
To: Rep. Chris Lee; Rep. Cynthia Thielen
Subject: Fw: HCR189 & HCR 150

Aloha,

Needed to get this to you.

Yes, I support HCR189 and HR150 and politely encourage all members of the Energy and Environmental Protection and Consumer Protection and Commerce committees to pass these bills and, thereby, allow time for Lanai and Molokai to seek alternatives to Big Wind and the inter-island electric cable proposed for both Lanai and Molokai. Lanai and Molokai residents support appropriate, small scale, localized alternative energy and preserves the small island communities, cultural resources, and the environmental resources of Lanai and Molokai.

Aloha, Pohakamalamalama P. Palmer, Molokai Vet, Voter

----- Original Message -----

From: watrbaby
To: repclee@capitol.hawaii.gov ; repthielen@capitol.hawaii.gov
Sent: Tuesday, April 02, 2013 8:37 AM
Subject: HCR189

Aloha,

Mahalo for your service to me. Just want you to know how much I appreciate your willingness to work for the betterment of our islands.

I am writing this note to ask you to please hear and approve HCR189. This resolution is important to the people of both Molokai and Lana'i. This resolution will allow both islands to continue to seek out alternative energy solutions that are appropriate for the unique environments that exist on each island.

Your consideration and positive vote on HCR189 is greatly appreciated.

Yes, I live on Molokai - in a dead zone and thin this is a great idea.

Aloha Pumehana, Pohakamalamalama P. Palmer, Vet/voter

thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 10:31 AM
To: EEPtestimony
Cc: rfoster@gie.net
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Richard J W Foster | Individual | Support | No |

Comments: I urge the approval of HCR189 and HR150 that will enable Molokai and Lanai time to pursue and develop alternative energy initiatives to achieve energy self-sufficiency ...sustainability.o I am opposed to any and all initiatives that deploy an under sea cable to link islands to feed energy to Oahu...that will damage our coral reef and whale breeding ground sanctuary. Thanks you. Richard Foster Molokai resident

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 5:12 AM
To: EEPtestimony
Cc: richun8@hotmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Roxanne | Individual | Support | No |

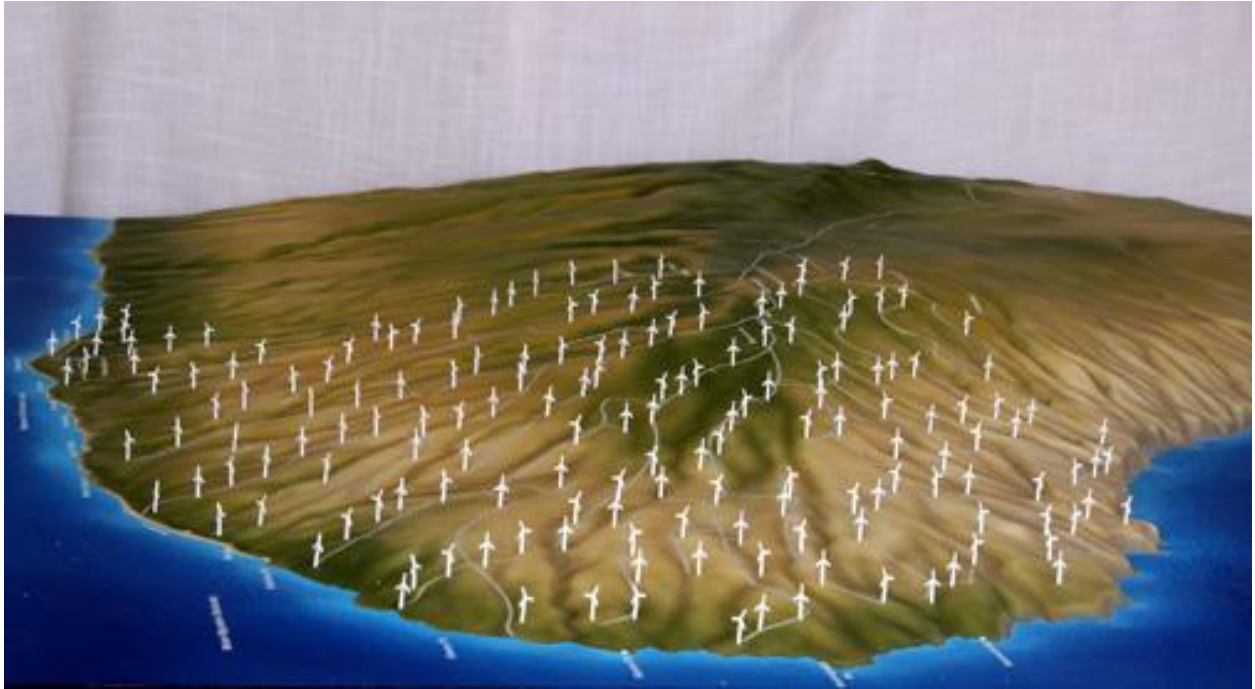
Comments:

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Support HCR189

There must be an alternative to this:



To scale model of Siemens turbines on Lana'i

Support each island's energy self-sufficiency!!!

thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 1:59 PM
To: EEPtestimony
Cc: usana96763@gmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| sherri mora | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 2:25 PM
To: EEPtestimony
Cc: sherrianwitt@aol.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| sherrian witt | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 9:15 PM
To: EEPtestimony
Cc: Fishlly@hotmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Sherry menze | Individual | Support | No |

Comments: I am in support to find other alternative to wind power Please no windmills on lanai

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 6:26 PM
To: EEPtestimony
Cc: kanani@wave.hicv.net
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Signe Vivas | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 9:14 AM
To: EEPtestimony
Cc: sophiabicoy@earthlink.net
Subject: Submitted testimony for HR150 on Apr 10, 2013 14:00PM

HR150

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Sophia Bicoy | Individual | Comments Only | No |

Comments: Yes, I support HCR189 and HR150 and politely encourage all members of the Energy and Environmental Protection and Consumer Protection and Commerce committees to pass these bills and, thereby, allow time for Lanai and Molokai to seek alternatives to Big Wind and the inter-island electric cable proposed for both Lanai and Molokai. Lanai and Molokai residents support appropriate, small scale, localized alternative energy and preserves the small island communities, cultural resources, and the environmental resources of Lanai and Molokai.

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.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 6:48 PM
To: EEPtestimony
Cc: fergie@wave.hicv.net
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| stephen ferguson | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 1:43 PM
To: EEPtestimony
Cc: pacificstarlight@yahoo.com.au
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| SUE HORNER | Individual | Comments Only | No |

Comments: Request your passage of HCR189. This resolution is important to the people of both Molokai and Lana'i. It will allow both islands to continue to seek out alternative energy solutions that are appropriate for the unique environments that exist on each island. Your positive vote on HCR189 is greatly appreciated.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, April 04, 2013 6:58 PM
To: EEPtestimony
Cc: susan.osako@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/4/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Susan Osako | Individual | Support | No |

Comments: Mega projects should be put on hold regarding Lana'i. Not only do this projects go against the wishes of the people of the island, but go against the overall plan and vision of Lanai Resorts LLC. Please pass this bill. It is critical for the future of the islands. Newer, more eco friendly technology is being developed that we all can agree on that will provide 'green' power and enrich our state, not just a few private developers.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 9:19 AM
To: EEPtestimony
Cc: teri.kalele.molokai@mac.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Taryn Waros | Individual | Support | No |

Comments: Yes, I support HCR189 and HR150 and encourage all members of the Energy and Environmental Protection and Consumer Protection and Commerce committees to pass these bills and allow time for Lanai and Molokai to seek alternatives to 'Big Wind' and the inter-island electric cable proposed for both Lanai and Molokai. Lanai and Molokai residents support appropriate, small scale, localized alternative energy that preserves the small island communities, cultural resources, and the environmental resources of Lanai and Molokai.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 12:07 PM
To: EEPtestimony
Cc: Thorneabbott@yahoo.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Thorne Abbott | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 1:18 PM
To: EEPtestimony
Cc: tnosako@hotmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Tilden Osako | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 11:30 AM
To: EEPtestimony
Cc: Uistokes@gmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Uilani Stokes | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, April 06, 2013 7:13 PM
To: EEPtestimony
Cc: wosako@hawaiiintel.net
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/6/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Warren Osako | Individual | Support | No |

Comments: Members of the Energy and Environmental Committee, I urge you to vote in favor of HCR 189. I believe that each island should be energy self sufficient and the neighbor islands should not be exploited for the benefit of Oahu. In light of the recent power outage in Honolulu, would it be wise for Oahu to be dependent on 200 to 400 megawatts of power transmitted via undersea cable to Oahu. The implications would be great if there should be any kind of problems with the cable infrastructure. Mahalo for your consideration. Malama pono, Warren Osako, Lana'i City

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, April 07, 2013 10:29 AM
To: EEPtestimony
Cc: jb116munro@cableone.net
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/7/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| William G. Munro | Individual | Support | No |

Comments: I am not now a resident of Lana`i, but I was raised there and have visited the island many times since. Knowing the environmental degradation unavoidable in building 100+ windmills on Northern Lana`i, the erratic winds (common to the area), the average output of such a wind farm would be low and unreliable. In addition, the 70-mile undersea cable involves environmental and technical difficulties, which makes such a cable a dubious investment. Now that the U.S. Nuclear Regulatory Commission is accepting applications and considering the licensing of nuclear power plants, the State of Hawaii should consider the feasibility of building such plants on the major islands. Hawaii is so isolated from other populated areas that the potential of catastrophic failure of such plants would be minimized. This technology, unlike high-voltage undersea cables is well-proven.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 10:29 AM
To: EEPtestimony
Cc: joannawalter@comcast.net
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Joanna Walter | Individual | Support | No |

Comments: I am against a Wind Farm on Lanai. Joanna Walter

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To the Honorable Legislators of the State of Hawaii,

I have lived on the island of Lānaʻi for the last 16 years and I also lived on Lānaʻi for 4 years in the mid 70's. I enjoy the peacefulness and openness of the island. There are very few places on this island that I cannot explore and enjoy.

Lānaʻi is the eighth largest island in the state. It is a mere 144 square miles. The population is concentrated in Lānaʻi City. The people here are very self reliant and enjoy the outdoor life this island has to offer. It serves as many people's refrigerator. Hunting and fishing are secondary industries to tourism.

We enjoy being self reliant and as self-sustaining as possible.

It seems a shame that as a legislative body that you would even consider taking up to ¼ th of our land to provide an intermittent and unreliable electrical source for Oahu, an island that hasn't begun to consider and exhaust all of the alternatives available to it.

Electricity is a commodity that powers the tools in our current world. Its amazing to think that this wonderful tool has been powering homes in the US for only 131 years. Hawaii is one of three states in the country that continues to use petroleum as the primary source of fuel to generate electricity.

Oahu has failed attempts at wind power and yet you want to expand a failed technology on Oahu that could take up to 36 square miles of our precious land and prevent us from utilizing it and if we did utilize it that visit would be subjected to noise and a visually unappealing vistas. Yes, we could see Oahu on a clear day through a forest of windmills that don't supply our island with any electricity.

This resolution has been submitted by representatives that understand our lifestyle and precarious situation. We can't afford to lose any amount of our land especially when Oahu has not exhausted the alternatives available to them.

Have you considered:

- Off-shore Windmills in the channels. The Kohala shore has as much wind as Lanai and it doesn't need a 50 mile, \$1,000,000 or more cable to get the power to Oahu. It certainly is an eyesore for Oahu residents but at least the eyesore is visible to those who will enjoy the electricity. Granted, off-shore wind is 30% higher than on-shore wind so the total cost to the rate-payer would be 30% lower. These are costs that the rate-paying public will incur so a more economic system would be greatly appreciated.
- Using the ocean current through the Kaiwi Channel is another alternative for Oahu. Go to Google and search for "ocean current electricity generation". You will find many companies like Siemens, Hydro Alternative Energy, Inc, OffshoreIslands Ltd and more. Some of these systems are experimental, however, they use a continuous source of power rather than the intermittent and unreliable sources of wind and solar.

- Don't forget geo-thermal. It has been very successful on Hawaii supplying 17% of that islands electricity. A cable for geo-thermal seems a better alternative than a 7,000 to 22,000 acre footprint for wind on Lanai.

If you really want to spend money on a cable, consider going to Maui or Hawaii. Both of these islands enjoy locatons for geo-thermal. Geo-thermal is another 24/7 source of power. Don't spend over a \$1,000,000 to put in a cable to Lanai and Molokai that will only provide a capacity rating less than 30%. That doesn't make any sense at all.

Wind and Solar are not a replacement for fossil fuels. They should not even be considered a valid source of energy for Hawaii. They waste our money, time and precious land so that

- HEI stockholders can be ensured a dividend and profit,
- HEI can meet goals for renewable energy using renewable energy tools that use a lot of land and don't provide a good capacity rating, and
- A wind developer can make a profit at the rate-payers expense.

For all these reasons please pass this resolution.

Mahalo Nui Loa, John Schaumburg,

thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 8:13 AM
To: EEPtestimony
Cc: Karen@RedwoodGames.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Karen Chun | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 4:47 PM
To: EEPtestimony
Cc: Kahohalahala@gmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|------------------------|---------------------|---------------------------|---------------------------|
| Kaulana Kaho'ohalahala | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 9:32 PM
To: EEPtestimony
Cc: maguinger@hawaii.rr.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Mary A. Guinger | Individual | Oppose | Yes |

Comments: The efficiency of energy is based on the source that is close to the need. The Source is not close to the consumers. The Cable is an expensive transportation that will raise the cost in the millions. I suggest solar and/or biofuel would be more effective and cheaper.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 11:48 AM
To: EEPtestimony
Cc: bondma@cs.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Michael Bond | Individual | Support | No |

Comments: This is an essential bill. The people of Molokai and Lanai should not be victimized because the governor is paying off his friends, and to keep HECO from going bankrupt.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 8:12 PM
To: EEPtestimony
Cc: ponosize@hotmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Pono Kealoha | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 4:46 PM
To: EEPtestimony
Cc: K.mehana@gmail.com
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|-------------------------|---------------------|---------------------------|---------------------------|
| Roselani Kaho'ohalahala | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 11:13 AM
To: EEPtestimony
Cc: sashalahela@hotmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Sashal Catiel | Individual | Support | No |

Comments: Giant windmills that take over 1/3 of the island to support Oahu's power consumption is not the answer. These giant structures will destroy such a delicate ecosystem, and ruin the way of life for the people. Don't take away what little we have left. There are other options.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 10:39 AM
To: EEPtestimony
Cc: stacy.crivello@mauicounty.us
Subject: *Submitted testimony for HCR189 on Apr 10, 2013 14:00PM*

HCR189

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Stacy Crivello | Individual | Support | No |

Comments:

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Monday, April 08, 2013 10:58 PM
To: EEPtestimony
Cc: susaaan@hotmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/8/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Susan Chew | Individual | Support | No |

Comments: Passage of this resolution tells the Governor, PUC, & HECO that THE PEOPLE OF LANA'I AND MOLOKA'I DO NOT WANT BIG WIND ON THEIR ISLANDS.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 9:01 AM
To: EEPtestimony
Cc: wctanaka@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Wayne Tanaka | Individual | Support | No |

Comments: Mahalo for your support of these measures urging due diligence and the exploration of long-term sustainable pathways to energy self-sufficiency.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 10:05 PM
To: EEPtestimony
Cc: Brianakiona@yahoo.com
Subject: Submitted testimony for HR150 on Apr 10, 2013 14:00PM

HR150

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Brian K. Akiona | Individual | Oppose | No |

Comments: I just want to be counted as a voice of opposition to this bill.

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I am writing to urge you to support HCR189 to allow Lānaʻi and Molokaʻi to have some say in their role in Hawaii's energy future. With Ellison's purchase of Lānaʻi, we have the rare opportunity to become a model for the world in energy self-sufficiency. But this will not happen if Mr. Murdock's old plans to destroy over 1/4 Lānaʻi are forced upon us. If that happens, you can rest assured that Lānaʻi will remain in constant political conflict with the state and constant physical conflict with "Big Wind" developers. We do not want this for our people or our ʻāina. Now that Mr. Murdock is no longer threatening our jobs, we are more united in our opposition to this ridiculous project than ever. Please take this important step in showing your respect for the will of the people of Lānaʻi and Molokaʻi and support this measure. Please show your wisdom in not destroying the natural environment in the name of protecting it.

With Sincerest Aloha,

Lance Anderson (Landowner on Lānaʻi)
PO Box 631925
Lānaʻi City, HI 96763

HCR 189 URGING THE GOVERNOR AND THE PUBLIC UTILITIES
COMMISSION TO SEEK ALTERNATIVES TO THE INDUSTRIAL WIND
GENERATION FACILITIES AND INTERISLAND HIGH-VOLTAGE UNDERSEA
ELECTRIC TRANSMISSION CABLE SYSTEM PROPOSED FOR THE ISLANDS OF
MOLOKAI AND LANAI.

Good afternoon,

I urge you to pass this resolution that tells the Governor, the PUC -- and HECO -- that island-specific solutions are best for our energy independence and security. Perpetuating centralized delivery of energy by an expensive undersea cable and dependence on industrial wind taken from Lana'i and Moloka'i is not feasible and is contradictory to the goal of making Hawai'i energy self-sufficient .

HCR 189 helps the Governor, PUC, HECO and the residents of O'ahu understand that Big Wind on Lana'i and Moloka'i would NOT lower electric rates; that in fact HECO's O'ahu ratepayers will be charged an additional "rate increase, rate adjustment and/or cable rate surcharge" (according to last year's Undersea Cable Bill) just to pay for the cost of the cable.

Please pass this resolution as it conveys a strong message to the Governor, the PUC and HECO that a hundred wind turbines on Lana'i's treasured north end will not advance Lana'i's efforts to become an international example of how a Hawaiian island can be energy self-sufficient.

Passage of this resolution tells the Governor, PUC, & HECO that **THE PEOPLE OF LANA'I AND MOLOKA'I DO NOT WANT BIG WIND ON THEIR ISLANDS.**

Thank you,
Martha Evans
808 649-0629
3837 Monterey Drive
Honolulu, HI 96816

thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 4:32 PM
To: EEPtestimony
Cc: wh7qq.hi@gmail.com
Subject: Submitted testimony for HCR189 on Apr 10, 2013 14:00PM

HCR189

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Paul Mullin | Individual | Support | No |

Comments: My spouse and I support HCR189 and strongly oppose creating an industrial wind farm on Molokai. We also oppose the undersea cable.

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.

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thielen3 - Charles

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 09, 2013 3:29 PM
To: EEPtestimony
Cc: pili_sol@yahoo.com
Subject: Submitted testimony for HR150 on Apr 10, 2013 14:00PM

HR150

Submitted on: 4/9/2013

Testimony for EEP/CPC on Apr 10, 2013 14:00PM in Conference Room 325

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------------------|---------------------|---------------------------|---------------------------|
| Solomon P. Kaho'ohalahaa | Individual | Support | No |

Comments: I strongly support this HR 150 and HCR 189. I truly believe that we need a renewable energy system that is integrated, reliable, innovative, one that reduces our cost for electricity and is conducive to our island's needs. Localizing our power system for our community is the only way to go. Mahalo for your time, consideration and support.

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.

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Rrisca Bicoy Medeiros
P.O. Box 196
Maunaloa, Molokai
96770

April 7, 2013

Re/ Energy + Environment
Protection

Rep. Chris Lee
51st Capitol Rm. 4316
415 S. Beretama St.
Honolulu HI 96813

Aloha Rep. Lee

I must apologize for penning this
letter. My computer decided to take
a vacation!

I aloha Molokai org. has been explicit
in informing our government the reason
why the Utah farm and the Cable Issues
has no place on Molokai because of
the negative impact... undoubtedly will
affect the livelihood of our people.
Comparatively speaking, Molokai unlike
the other densely populated islands
obviously is lacking in many areas.
Our people are simple happy people
desiring only needs not wants. The
saving and protection of our fishing and

hunting grounds are vital needs that have been supplementing livelihood for Molokaians. I'm grateful that the wind industry wasn't realized ... that could have devastated our small island because we don't have the required space necessary for this type of business. It will be most gratifying for Molokaians if our voice and pleas regarding the cable issue be heard & heeded. I personally feel the best alternative energy for Hawaii is Solar because we don't have winter snow to obstruct the sun rays & readily accessible. I realize Government may think the sea cable is a good solution for the energy crisis for Oahu ... Again I personally feel the best solution concerning this problem is to stop building massively. As I see it people cars have risen & homes are 'arriving' up the mountains. There's a limit to everything - There's something not right here - In looking around, too much of the good things are dominating the beauty of the island. In making an assessment of this reality what do you think? I sincerely hope that Hawaii would focus on Major concerns that seems troubling & rectify them

and praying for a more U.S. Navy
Hawaii. Enclosing a write up
by James New - Western President of
"I Aloha Molokai".

Sincerely + God bless you.

D.
Pascal Bricoy Medeiros

Past Pres. of World Peace Movement
M.I.D.I. (U.S. Western Sector)

Retired Kupuna now
living on Molokai.