

EEPttestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 02, 2015 8:20 AM  
To: EEPttestimony  
Cc: david.m.veltri@hawaii.gov  
Subject: Submitted testimony for HB484 on Feb 3, 2015 08:30AM

**HB484**

Submitted on: 2/2/2015

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

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

Comments: The Commission supports the intent of a tariff structure to enable new energy initiatives.

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**DEPARTMENT OF BUSINESS,  
ECONOMIC DEVELOPMENT & TOURISM**

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

Tuesday, February 3, 2015  
8:30 a.m.  
State Capitol, Conference Room 325

in consideration of  
**HB 484**  
**RELATING TO ENERGY.**

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

The Department of Business, Economic Development & Tourism (DBEDT) respectfully offers comments on HB 484 which orders the implementation of a community renewables program.

DBEDT supports the purpose of the legislation and offer comments geared to keep this measure moving forward. DBEDT believes that a community renewable program could be a valuable tool in achieving Hawaii's renewable goals and expanding access to many who have been unable to install or benefit from renewable energy installations.

Notably, California has passed community renewable legislation, SB 43, and the California Public Utilities Commission has recently issued a long awaited final decision on California's investor owned utilities, SDG&E, PG&E and SCE applications to implement a community renewable program.

A key component of the California legislative approach is the requirement for "customer indifference" that provides fair value to participating community solar customers and mitigates

cost shifts to non-participating customers.<sup>1</sup> DBEDT recommends that the legislature consider “customer indifference” language in this measure because its will support the long term sustainability of community renewable installations.

To ensure the portfolio of resources that serve Hawaii is optimized to achieve renewable goals at lowest cost, we recommend specifying an initial program size in order to provide the opportunity for the program to be demonstrated and reviewed prior to expansion. This would help ensure the program design results in the procurement of the lowest cost resources to achieve the states renewable goals.

Community solar would benefit from a consistent program framework to be established by the Commission. As the investor owned utilities will implement the tariff, they would appropriately bring project proposals before the Commission for their consideration and/or modification. However, this would not dictate the structure of the contract between a third party provider and customers. In addition the program should allow for customers to have the choice to participate directly through the utility or third party developers.

Another notable consideration is that the Commission should be directed to put consumer protections in place. As the number of options available to customers from third parties grow, consumer protections will become increasingly important as third parties generally do not face the same scrutiny from regulators as the utilities.

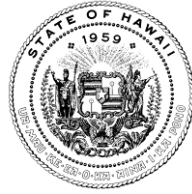
Finally, consideration should be given to the characterization of a customer’s participation with third parties as an investment.<sup>2</sup> There are any number of contractual arrangements that third parties may enter into with customers. However, characterizing those arrangements in statute as “investments” could create a risk that such a program would have to be registered as a security and comply with securities law.

Thank you for the opportunity to offer these comments regarding HB 484.

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<sup>1</sup> California SB 43 section (p) *The commission shall ensure that charges and credits associated with a participating utility’s green tariff shared renewables program are set in a manner that ensures nonparticipant ratepayer indifference for the remaining bundled service, direct access, and community choice aggregation customers and ensures that no costs are shifted from participating customers to nonparticipating ratepayers.*

<sup>2</sup> HB 484 Page 4 line 14



DAVID Y. IGE  
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CATHERINE P. AWAKUNI COLÓN  
DIRECTOR  
JO ANN M. UCHIDA TAKEUCHI  
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TO THE HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

THE TWENTY-EIGHTH LEGISLATURE  
REGULAR SESSION OF 2015

TUESDAY, FEBRUARY 3, 2015  
8:30 a.m.

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

HOUSE BILL NO. 484 – RELATING TO ENERGY

DESCRIPTION:

This measure proposes to require the Public Utilities Commission (“PUC”) to establish community-based renewable energy tariff or tariffs to take effect by January 1, 2016 and defines community-based renewable energy tariffs. This bill also proposes to provide that projects up to one megawatt are subject to PUC-approved interconnection processes and projects greater than one megawatt are subject to PUC review and approval.

POSITION:

The Division of Consumer Advocacy supports this bill.

COMMENTS:

Thus far, distributed renewable energy systems, such as solar photovoltaic (“PV”) systems, have been largely limited to single-family homeowners. Renters have no incentive to make the capital investment for a PV system that will be owned by a landlord. Furthermore, high-rise apartment owners do not have sufficient roof space to benefit from solar PV. Therefore, a large segment of Hawaii’s population has been locked out of the distributed generation market for a number of reasons, including economic reasons even with the new financing and leasing options available for rooftop

solar PV systems. A properly designed community-based renewable energy program has the potential to provide significant energy cost-savings to this under-served market. It also opens up access to affordable renewable energy to schools and community organizations that might otherwise be unable to participate in renewable energy self-generation programs.

In establishing the appropriate tariff, the PUC should take the following into consideration:

- There should be no cross-subsidy by non-participants to fund any part of a community-based renewable energy program;
- Participants should receive a per kilowatt-hour credit on their electricity bills based upon the cost of generation;
- Participants should be allowed access to capital through the Department of Business, Economic Development, and Tourism's Green Energy Market Securitization or "GEMS" program; and
- The PUC should have the discretion to revise, modify, or cancel the program, if, at any time, the PUC determines that the program is not in the public's interest.

Therefore, the Consumer Advocate supports this bill that would require the PUC to establish a community-based renewable energy tariff that would take effect no later than January 1, 2016.

Thank you for this opportunity to testify.

TESTIMONY OF RANDY Y. IWASE  
CHAIR, PUBLIC UTILITIES COMMISSION  
STATE OF HAWAII  
TO THE  
HOUSE COMMITTEE ON  
ENERGY & ENVIRONMENTAL PROTECTION

FEBRUARY 3, 2015  
8:30 a.m.

**MEASURE:** H.B. No. 484  
**TITLE:** Relating to Energy

Chair Lee and Members of the Committee:

**DESCRIPTION:**

This measure would add a new section to Chapter 269, Hawaii Revised Statutes (“HRS”), to authorize the Public Utilities Commission (“Commission”) to establish community based renewable energy tariffs by which customers who have invested in renewable energy generation facilities are allowed to receive compensation from the utility for electricity produced by those facilities.

**POSITION:**

The Commission supports the intent of a tariff structure to enable new energy initiatives.

Thank you for the opportunity to testify on this measure.



**Hawaii Solar Energy Association**  
*Serving Hawaii Since 1977*

Before House Committee on Energy and Environmental Protection  
Tuesday, February 3, 2015, 8:30 a.m., room 325  
HB 484: Relating to Energy

Aloha Chair Lee, Vice Chair Green and members of the Committee,

On behalf of the Hawaii Solar Energy Association (HSEA), I would like to testify in support for HB 484 which establishes a community-based renewable energy program. HSEA is a non-profit trade organization that has been advocating for solar energy since 1977, with an emphasis on residential and small commercial distributed generation for both solar hot water (SHW) and photovoltaics (PV). We currently represent 90 member companies, which employ thousands of local employees working in the solar industry. With 37 years of advocacy behind us, HSEA's goal is to work for a sustainable energy future for all of Hawaii.

Interest in renewable energy has grown exponentially but not all can directly benefit

The installation of rooftop PV has grown significantly since 2008, and Hawaii now boasts over 40,000 residential PV systems. However, not all residential customers can take advantage of having some or all of their power being generated from renewable energy for a variety of reasons. HB 484 would address this issue by making it possible for apartment dwellers and others to invest in renewable energy and pay for it directly through a community solar tariff on the electric bill, thus enabling more customers to invest in sustainable renewable energy and to benefit from a hedge against rising electric bills.

HB 484 would allow the utility or any third party to propose, own, or operate a community based project

HB 484 also has the advantage of allowing either the utility or any third party to propose, own, or operate a community based project and still make use of the community solar tariff created by this legislation. This means that the power to create a community solar project would not rest solely with the utility, and this provision might even the playing field when it comes to project development and approval. This provision is in alignment with the PUC's inclinations in which the PUC states that the utility should move more in the direction of a wires company and leave development and generation to third parties.

Interconnection procedures stay in place and systems above 1 MW subject to PUC approval

HB 484 also expressly states that interconnection procedures would stay in place and that any projects above 1 MW would only be built subject to PUC approval. This ensures that community solar projects would not be afforded interconnection protocol different from other renewable energy projects currently waiting in queue. Getting a project interconnected is no easy task, and it is important to ensure that a fair interconnection process stays in place. HSEA would also like to see that community solar projects are developed such that site selection does not subsequently preclude roof top customers from installing systems whenever possible.

HSEA has always advocated for maximizing all of our renewable energy resources, and the development of a community solar program would be a welcome step to diversifying our renewable portfolio.

Thank you for the opportunity to testify  
Leslie Cole-Brooks, Executive Director HSEA



## **HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION**

February 3, 2015, 8:30 A.M.

Room 325

**(Testimony is 5 pages long)**

### **TESTIMONY IN STRONG SUPPORT OF HB 484**

Chair Lee, Vice-Chair Lowen, and members of the committee:

The Blue Planet Foundation strongly supports HB 484, establishing a community renewables program to expand the number of Hawai'i residents who can participate in the benefits of clean energy. This measure would allow residents to invest in and benefit from solar and wind energy systems—even if those systems are not sited on their property.

HB 484 makes renewable energy accessible for many Hawai'i residents, businesses, and agencies who cannot currently take advantage of energy cost savings available from solutions like rooftop solar photovoltaic energy. Community-based renewable energy boosts private investment in our green energy infrastructure while it maximizes the flexibility of our clean energy solutions. In doing so, it benefits all Hawai'i residents by reducing the amount of money we send out of the state to pay for imported fossil fuels.

To ensure that HB 484 successfully delivers clean energy access, it must retain three key features. First, HB 484 enables anyone (community, renewable developer, land or building owner, etc.) to propose a community renewables project (subject to interconnection)—not just the electric utility. This truly enables the democratization of our renewable energy resources. Second, the measure directly establishes a program and a timeline, avoiding a lengthy, resource-intensive, and sometimes contentious regulatory process. Finally, the bill makes it clear that the legislation will not preclude an electric utility from developing and implementing their own community renewables program—it simply establishes a framework for others to develop projects and broaden the competitive renewable landscape.

For these reasons, and the reasons outlined below, Blue Planet Foundation strongly supports HB 484. We also propose a potential clarifying amendment.

[info@blueplanetfoundation.org](mailto:info@blueplanetfoundation.org)

55 Merchant Street 17<sup>th</sup> Floor • Honolulu, Hawai'i 96813 • 808-954-6142 • [blueplanetfoundation.org](http://blueplanetfoundation.org)



## **Our current system leaves many Hawai'i households, businesses, and public agencies unable to directly participate in renewable energy**

Many homeowners have been able to use solar power and other technologies to break free from energy costs being driven upward by fossil fuels. Unfortunately, many individuals and households are currently unable to directly participate in renewable energy because of their location, building type, access to the electric utility grid, or other impediments. For example, (a) it may be difficult for a single condominium owner to install solar panels, without a wider installation on behalf of the entire condominium; (b) it may be difficult for homeowners with shaded roofs to harness as much of the sun's energy as their neighbors; or (c) a homeowner may find that the utility is limiting the amount of energy from the homeowner's particular circuit. All of these situations can be addressed with community-based renewable energy.

## **Community Renewables unlocks clean energy solutions, improves our economy, and benefits our electrical grid**

Community Renewables allows residents to join together to find energy solutions. For example, several condominium owners in different buildings may collectively install solar panels in another location with spare rooftop capacity. Even larger communities can join together to install renewable energy in ways that are most effective and efficient for their particular community. Or public agencies, such as schools, colleges, universities, and local governments will have more flexibility to access renewable energy across their systems. The cost savings can benefit important educational programs, social services, and new hiring.

Community Renewables can also help make our energy system more robust, by evening out the distribution of renewable energy on the grid. For example, homeowners on a crowded circuit can install solar panels on another circuit, and receive the credit against their energy bill. By promoting renewable energy on under-utilized circuits, it can help the utility to operate our electrical system more effectively and efficiently. In addition to these benefits, group net metering creates new construction jobs, stimulates the economy, reduces emissions of greenhouse gases, promotes energy independence, and will assist in meeting and exceeding the state's clean energy goals.

Community Renewables can also empower new energy innovations. For example, a community electric vehicle charger could participate in the program, tying charging to the availability of 100% renewable energy generated elsewhere on the grid. The program can also become a catalyst for smart energy pricing, where the value of renewable energy changes as supply and demand change on the grid throughout the course of a day.

## Community Renewables is spreading across the country—don't let Hawai'i fall behind

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Community Renewables is an innovative solution that is already happening in at least ten other states, such as California, Colorado, Massachusetts, Washington, Maryland, and Maine.<sup>1</sup> There is no reason Hawai'i shouldn't enable its residents to do the same thing.

For all of these reasons, it is in the public interest to promote this type of broader participation in self-generation by Hawai'i residents, public agencies, and businesses. For homeowners with large roofs, solar electricity is a no-brainer, especially in light of the numerous financing resources being made available to all income levels. But for many residents, solar power is simply out of reach because of roof space. The policy proposed in HB 484 brings some social equality to our clean energy policy. Everyone should be able to participate in Hawai'i's clean energy future.

Further, failure to act on this policy in 2015 means that the majority of Hawai'i residents will have to wait another year (or perhaps longer, if a lengthy regulatory process ensues) to directly participate in the benefits of renewable energy. Such a delay means that these residents and businesses will unlikely be able to take advantage of the 30% federal tax credit which is scheduled to sunset at the end of 2016. This means that those who have been left out of the distributed renewable energy boom will be further disadvantaged by not having access to credit incentives to purchase systems (on their roof or through a community renewables program).

### Suggested Amendment

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HB 484 clarifies that community renewable energy is not "wheeling" (because the program would be governed by interconnection rules, tariffs, and PUC oversight, ensuring that energy placed onto the grid is done so in connection with the utility, and that the utility is compensated for use of the grid and other infrastructure). However, we do not believe that the "wheeling" concept is defined in statute. To the extent that the committee believes that a wheeling definition should be incorporated, we suggest adding the following definition. This is the same approach suggested by companion bill SB 1050.

Section 269-1, Hawaii Revised Statutes, is amended by adding a new definition to be appropriately inserted and to read as follows:

"Wheeling" means the transmission of electricity over transmission or distribution lines by an entity that does not directly own or use the electricity being transmitted, without any compensation to the electric utility for the cost of transmission and distribution."

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<sup>1</sup> The U.S. Dep't of Energy's National Renewable Energy Laboratory has reported on elements of these programs, <http://www.nrel.gov/docs/fy11osti/49930.pdf>.

We respectfully request that HB 484 be forwarded for further consideration. Thank you for the opportunity to testify.

*The following pages contain an “FAQ” on community renewables and an article from Pacific Business News.*

## Community-based renewable energy FAQ

### ***Q: Why is community renewables necessary?***

A: While solar has been an incredible success story in Hawai‘i, the majority of residents simply cannot directly participate in renewable energy because of their lack of access to a suitable rooftop for solar, such as many of the 40% of residents who live in multi-unit housing such as condos, or those whose roofs are shaded or otherwise incapable of supporting solar. Community-based renewable energy allows residents to invest in and benefit from solar and wind energy systems—even if those systems weren't directly on their property. It's a matter of fairness and equality. Everyone should be able to participate in Hawai‘i's clean energy future, not just those fortunate enough to have a big roof over their heads.

### ***Q: What are the benefits of community renewables?***

Aside from making Hawai‘i's clean energy policies more equitable, community renewables can bring real economic value to those who need it the most. Under California's Multifamily Affordable Solar Housing program (established in 2008, now with 7 MW installed, and 13 MW signed up), community renewables is estimated to save low income households 30% on their electric bills.

### ***Q: Is anyone else doing community renewables?***

A: Yes, as of November 2010, utilities, public utility commissions, and communities in California, Florida, Arizona, Utah, Colorado, Washington, Vermont, Massachusetts, Maryland, and Maine had all taken steps to adopt innovative community renewables programs. According a report by the U.S. Dep't of Energy National Renewable Energy Laboratory (NREL), the Interstate Renewable Energy Council (IREC) examined “the various community solar approaches that have been implemented thus far,” to develop “model” rules for community based renewable energy programs. These model rules could be used to develop a program for Hawai‘i.

### ***Q: Aren't there other approaches to solve the same problem of lack of access to renewable energy?***

A: Yes, there are, such as a utility-sponsored “green pricing” program. But this is not available in Hawai‘i and there are no current plans to make such a program available. Moreover, a community-based renewable energy program would empower residents to take control of their energy situation with their own resources, leveraging the efficiency of efficiency of the market.

## Pacific Business News

January 17, 2014

### OUR VIEW

## *Solar gardens can make everyone a winner*

**PBN**

A proven technology that is gaining popularity on the Mainland deserves some serious consideration here in Hawaii,

where the sun is part of our brand identity.

The concept is especially important on Oahu as we grow upward with high-rise condominium towers that offer their residents few options for renewable energy.

We’re talking about community solar gardens, which enable businesses and residents to invest in renewable energy by subscribing to a solar electric array that is connected to the utility grid. Subscribers will then receive a credit on their electric bills.

Solar energy has been one of Hawaii’s fastest-growing industries during the past decade, helped in large part by federal and state tax credits. Even so, its market penetration is under 10 percent.

One of the problems is that approximately 40 percent of Hawaii residents live in multifamily households, many of them without enough roof space to accommodate renewable-energy equipment. There also are economic barriers in rental units where tenants would reap the benefits while landlords pay for the equipment.

Community solar gardens would remove some of those barriers.

The Blue Planet Foundation, which introduced legislation last year, calls it a win-win-win proposition.

“Households everywhere can win by accessing affordable clean energy,” the foundation says. “The utility wins by adding another tool to solve energy-interconnection questions. And businesses win because they can access a market that has long been cut off.”

Hawaiian Electric Co. also likes the concept, according to spokesman Peter Rosegg.

“We are looking for a model for customers who want to invest in and benefit from solar PV but do not have the opportunity because they are high-rise residents, home renters or other reasons,” he said. “The model should also offer potential lower-cost renewable energy and economic benefits for all our customers, not just those investing in community solar or single-family homeowners who can benefit from solar on their own roofs.”

As one would expect, solar contractors also think it’s a great idea. It would mean more business for them and expand solar’s reach.

So, what’s stopping us?

The Blue Planet Foundation’s House Bill 1363 attracted some attention in the 2013 Legislature, but it was one of those complicated issues whose “time had not yet come.” The foundation will submit a new draft this session.

We think the time has come to give community solar gardens serious attention. In our bid to rely more on renewable energy and less on fossil fuels, here’s a concept that holds promise to move us in the right direction.



**Directors**

Jody Allione  
Project Development  
Consultant

Joe Boivin  
Hawaii Gas

Kelly King  
Pacific Biodiesel

Warren S. Bollmeier II  
WSB-Hawaii

TESTIMONY OF WARREN BOLLMEIER ON BEHALF OF THE  
HAWAII RENEWABLE ENERGY ALLIANCE BEFORE THE  
HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

HB 484, RELATING TO ENERGY

February 3, 2015

Chair Lee, Vice-Chair Lowen and members of the Committee, I am Warren Bollmeier, testifying on behalf of the Hawaii Renewable Energy Alliance (HREA). HREA is an industry-based, nonprofit corporation in Hawaii established in 1995. Our mission is to support, through education and advocacy, the use of renewables for a sustainable, energy-efficient, environmentally-friendly, economically-sound future for Hawaii. One of our goals is to support appropriate policy changes in state and local government, the Public Utilities Commission and the electric utilities to encourage increased use of renewables in Hawaii.

The purposes of HB 484 are to (i) require PUC to establish community-based renewable energy tariff or tariffs to take effect by 1/1/16; (ii) define community-based renewable energy tariffs; and (iii) provide that projects up to one megawatt are subject to PUC-approved interconnection processes and projects greater than one megawatt are subject to PUC review and approval.

HREA **supports** this measure with the following comments and recommendations, including deletion of a section as discussed below.

- 1) Clean Energy Goals. This measure supports our clean energy goals. In our opinion, we need to facilitate the installation and operation of community-based renewable systems to the greatest extent possible if we are to meet our current RPS of 40%. Such systems will provide an option to customers who are not able to install renewable systems on their property via a net metering or other agreement, and lack adequate renewable resources or space on their property.
- 2) Role of the Utility. Given the PUC's IRP Inclinations and its denial of HECO's application for 15 MW PV facility at its Kahe power plant site, we do not believe it is appropriate for the electric utility to develop and implement its own community-based renewable energy projects. References:
  - a) "Commission's Inclinations on the Future of Hawaii's Electric Utilities - Aligning the Utility Business Model with Customer Interests and Public Policy Goals, Exhibit A to PUC Order No. 32052 in its Integrated Resource Planning Docket No. 2012-0036, filed on April 28, 2014; and
  - b) Commission's Decision and Order 32437, dated November 4, 2014, in its Docket No. 2013-0360, pages 1-2, and 66-67.
- 3) Recommendations: Please pass out this measure deleting section (c) (p.4, l: 3-6).

Mahalo for this opportunity to testify.

## EEPttestimony

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From: doug@makaisearch.com  
Sent: Monday, February 02, 2015 8:27 AM  
To: EEPttestimony  
Subject: Support of House Bill 484

Aloha.

As a town home owner in Hawaii, our association has been looking at options for the last several years, with little success, on how to divide up useable roof space for solar power. Community solar would be a tremendous option for the many owners who are looking to the do the right thing for the environment, and to have access to more affordable energy.

Please pass this bill!!

Mahalo,  
Doug Harb



Doug Harb  
President  
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**Testimony before the House Committee on Energy & Environmental Protection  
February 3, 2015, 8:30 am  
Conference Room 325  
H.B. 484 – Relating to Energy**

**By Keiki-Pua Dancil  
Director, Business Strategy Development  
Hawaiian Electric Company, Inc.**

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

My name is Keiki-Pua Dancil. I am Director of Business Strategy Development at Hawaiian Electric Company. I am testifying on behalf of Hawaiian Electric and its subsidiary utilities, Maui Electric and Hawaii Electric Light (collectively “Companies”). The Companies are in **strong support of community renewables**<sup>i</sup>. However we have **concerns about the language proposed in HB 484**. We have **included edits for consideration** into HB 484 HD 1.

Our vision is to deliver cost-effective, clean, reliable, and innovative energy services to our customers, creating meaningful benefits for Hawaii's economy and environment, and making Hawaii a leader in the nation's energy transformation. To drive our vision for Hawaii, we anchor our strategies in a set of common objectives; lowering customer bills 20 percent by 2030, increasing renewables in our generation portfolio, modernizing our grid, and expanding customer options.

We have the following guiding principles for a fair and sustainable community renewables program:

- **Access**: Expand options to more of our customers, meeting their ever-changing energy needs in a fair and sustainable manner. Community renewables will be one of a suite of products and services that allow us to tailor a package of solutions to address customers’ energy needs.
- **Fairness to ALL customers**: Develop community renewables in the most cost effective manner that benefits ALL customers, not just participants in the community renewables program and does not increase the net energy metering (NEM) cost shift.<sup>ii</sup>

Access

The Companies support increasing options for ALL customers. A community renewables program is an option that will provide the benefits of renewable energy to those customers (participants) who either choose not to or do not have access to install renewables on their property. As of December 2014, twelve percent of our customers have received the benefits of solar energy through our NEM program, which is only accessible to those with access to on-site generation. A community renewable program would be available to everyone with a utility bill that is not currently in our NEM program.

Fairness to ALL customers

The Hawaiian Electric Companies supports a community renewables program that is fair and sustainable to ALL customers, not just participants in the program. The most cost effective renewable energy would be developed in optimal locations to the electric system (interconnection), at scale, and areas with high solar irradiance or wind capacity. Collectively, optimizing size (economies of scale), capacity factor, and interconnection to the electric system ensures ALL customers will get the most benefit from renewables.<sup>iii</sup>



Thank you for the opportunity to testify.

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<sup>i</sup> <http://www.energy.gov/eere/sunshot/solar-market-pathways>. Hawaiian Electric is a participating utility stakeholder in Solar Electric Power Association's (SEPA) Department Of Energy's Sun Shot Initiative grant to explore community solar business models and consumer demographics to develop more standardized program design options.

<sup>ii</sup> As of December 2014, the annualized total fixed cost shift was \$53MM, a \$15MM increase from December 2013.

<sup>iii</sup> [http://www.hawaiianelectric.com/heco/\\_hidden\\_hidden/CorpComm/Hawaiian-Electric-sends-six-more-Oahu-solar-contracts-to-Public-Utilities-Commission-for-approval?cpsectcurrchannel=1](http://www.hawaiianelectric.com/heco/_hidden_hidden/CorpComm/Hawaiian-Electric-sends-six-more-Oahu-solar-contracts-to-Public-Utilities-Commission-for-approval?cpsectcurrchannel=1) (average price of solar \$0.14/kWh).



HOUSE OF REPRESENTATIVES  
TWENTY-EIGHTH LEGISLATURE, 2015  
STATE OF HAWAII

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# A BILL FOR AN ACT

RELATING TO ENERGY.

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

1           SECTION 1. The legislature finds that all Hawaii residents  
2 should be able to participate in and enjoy the economic,  
3 environmental, and societal benefits of renewable energy.

4 Spurred by the Hawaii clean energy initiative and increasingly  
5 affordable clean energy options, such as solar photovoltaic  
6 systems, localized renewable energy generation technology has  
7 become increasing attainable.

8           While residential solar energy use has grown dramatically  
9 across the State in recent years, many residents and businesses  
10 are currently unable to directly participate in renewable energy  
11 because of their location, building type, access to the electric  
12 utility grid, or other impediments. The community-based  
13 renewable energy program seeks to rectify this inequity by  
14 ~~dramatically~~ expanding the market for eligible renewable energy  
15 resources to ~~include residential and business renters, occupants~~  
16 ~~of residential and commercial buildings with shaded or~~

# H.B. 484

## [PROPOSED HD1]

1 | ~~improperly oriented roofs, and other groups who are unable to~~  
2 | ~~access the benefits of onsite clean energy generation~~ ALL  
3 | customers with a utility bill that do not participate in another  
4 | program, e.g. net energy metering.

5 |       The legislature finds that it is in the public interest to  
6 | promote a fair and sustainable program that benefits ALL  
7 | customers ~~broader participation in self-generation by Hawaii~~  
8 | ~~residents and businesses~~ through the development of cost  
9 | effective community renewable energy facilities in which  
10 | participants are able to purchase a pro rata interest in the  
11 | ~~entitled to generate~~ electricity generated by the facility and  
12 | ~~receive~~ sold to the electric utility for the benefit of all  
13 | customers, and at a price approved by the public utilities  
14 | commission; and be credited for that electricity on their  
15 | utility bills.

16 |       Like all new construction projects, Community based  
17 | renewable energy facilities creates ~~new~~ construction jobs,  
18 | stimulates the economy, reduces emissions of greenhouse gases,  
19 | promotes energy independence, and assists in meeting the State's  
20 | clean energy goals. Further, community-based renewable energy  
21 | enables ~~residents and businesses~~ participants to ~~save off set~~

# H.B. 484

## [PROPOSED HD1]

1 ~~their monthly electric utility money on their electricity bills,~~  
2 ~~thereby bill, thereby providing additional reallocating~~ funds for  
3 other ~~purchasing, investment, or other economic~~  
4 ~~activity purposes.~~

5 While the concept of "wheeling" electricity over utility  
6 infrastructure has been the subject of discussion for years, the  
7 community-based renewable energy program contemplated in this  
8 Act should not be construed as "wheeling". ~~because the tariff or~~  
9 ~~tariffs established by the commission will address the utility~~  
10 ~~costs related to transmission and distribution infrastructure~~  
11 ~~and grid operations.~~

12 The purpose of this Act is to establish the Hawaii  
13 community-based renewable energy program to make the benefits of  
14 renewable energy more accessible to a greater number of Hawaii  
15 residents.

16 SECTION 2. Chapter 269, Hawaii Revised Statutes, is  
17 amended by adding a new section to be appropriately designated  
18 and to read as follows:

19 **"§269- Community-based renewable energy tariffs. (a)**

20 Upon application by an electric utility ~~or another party,~~ or  
21 upon its own motion, the commission shall establish a community-

H.B. 484  
[PROPOSED HD1]

1 based renewable energy tariff or tariffs. ~~A community-based~~  
2 ~~renewable energy tariff or tariffs shall take effect no later~~  
3 ~~than January 1, 2016.~~

4 (b) Any person or entity, including a utility, may  
5 propose, own, or operate a community-based renewable energy  
6 project or projects; ~~provided that a project or projects equal~~  
7 ~~to or less than one megawatt in size shall be subject to the~~  
8 ~~interconnection processes approved by the commission and a~~  
9 ~~project or projects greater than one megawatt in size shall be~~  
10 subject to the commission's review and approval.

11 (c) An electric utility may develop and implement its own  
12 community-based renewable energy project or projects; provided  
13 that the project or projects shall be subject to the  
14 commission's review and approval.

15 (d) ~~The community based renewable energy tariff and~~  
16 ~~related interconnection processes shall, to the extent possible,~~  
17 ~~be standardized.~~

18 (e) For purposes of this section, "community-based  
19 renewable energy tariff" means a tariff approved by the  
20 commission that:

# H.B. 484

## [PROPOSED HD1]

1 (1) Allows the electric utility to transmit the most cost  
2 effective renewable energy to ALL customers  
3 irrespective of their participation in the tariff  
4 program, ensuring fairness to ALL customers. All  
5 electric utility customers, irrespective of rate class  
6 and not participating in another tariff (e.g. net  
7 energy metering), ~~to~~ may obtain an pro rata interest  
8 in the energy produced from the renewable energy  
9 facility to off set their monthly utility bill; a  
10 portion or portions of an eligible renewable energy  
11 project that is providing electricity to the electric  
12 utility; and

13 (2) Allows the electric utility to implement a billing  
14 arrangement to ~~compensate credit~~ those customers  
15 participating in the tariff for the energy provided to  
16 ALL customers via the electric system grid equal to  
17 their pro rata interest in the renewable energy  
18 facility.

19 ~~electricity provided to the electric utility.~~

20 (f) Nothing in this section shall be construed to permit  
21 wheeling."

**H.B. 484**  
**[PROPOSED HD1]**

**1** SECTION 3. New statutory material is underscored.

**2** | SECTION 4. This Act shall take effect upon its approval.

|

DRAFT

## EEPttestimony

---

From: Olin Lagon <olin@kanuhawaii.org>  
Sent: Monday, February 02, 2015 8:46 AM  
To: EEPttestimony  
Subject: Strong support for HB 484

Aloha e lawmakers Lowen, Belatti, Brower, Creagan, Evans, Hashem, Ichiyama, Ing, Johanson, Keohokalole, Kobayashi, C. Lee, Lopresti, Luke, Matsumoto, Morikawa, Nakashima, Nishimoto, Saiki, Say, Souki, Takayama, Takumi, Thielen, Tsuji, Woodson, Aquino, Mckelvey, Onishi, and San Buenaventura,

Please consider voting to pass HB 484. This is one of the few options on the table for energy justice. More than half the state rents or live in units unable to install solar panels. Without a community solar option, we will continue to concentrate energy benefits on fewer and fewer communities and leave the majority of our citizens out from this important personal and environmental investment opportunity. It has become painful for me to hear stories direct from ohana who are stuck with high energy bills and have few options for investing into their energy independence. I've even spoke with ohana that pay more for energy than they do for rent.

Mahalo for your service to our community.

E malama, Olin

Olin Lagon  
Executive Director  
[Kanu Hawaii](#)  
Direct 808.351.9784  
[@olagon](#)



## EEPttestimony

---

From: Barbara Littenberg <bgl@hawaii.rr.com>  
Sent: Sunday, February 01, 2015 4:23 PM  
To: EEPttestimony  
Subject: a better hawaii

"I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill."

EEPttestimony

---

From: mailinglist@capitol.hawaii.gov  
Sent: Sunday, February 01, 2015 12:08 PM  
To: EEPttestimony  
Cc: mendezj@hawaii.edu  
Subject: \*Submitted testimony for HB484 on Feb 3, 2015 08:30AM\*

**HB484**

Submitted on: 2/1/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Javier Mendez-Alvarez	Individual	Support	No

Comments:

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

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## EEPttestimony

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From: laurag <laurag@divefish.com>  
Sent: Sunday, February 01, 2015 9:38 AM  
To: EEPttestimony  
Subject: HB 484 support

To whom it may concern,

I am in support of HB 484. If we want to survive as a species on this planet then we better start listening to the scientists who are the experts and stop burning fossil fuels. We have no more time to delay.  
Pass HB 484.

Sincerely, Laura Gray R.N.

## EEPttestimony

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From: Black, Alexander <ablack016@lejardinacademy.org>  
Sent: Monday, February 02, 2015 10:23 AM  
To: EEPttestimony  
Subject: Please Support House Bill 484

I am a high school student involved with a program that teaches sustainability to younger students. This bill is very important, not only to me, but to everyone. Solar energy is a resource that we should embrace and use, not restrict. Passing this bill will help Hawaii do it's part to create an environment that future generations can enjoy.

ALEX BLACK

## EEPttestimony

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From: Angel Kay <uherekangel@gmail.com>  
Sent: Monday, February 02, 2015 8:12 AM  
To: EEPttestimony  
Subject: Please pass House Bill 484.

Bill 484 would be fantastic for Hawaii.

It sounds like Bill 484 is pushing for virtual net-metering, which would be fantastic for Hawaii. It would basically allow people in neighborhoods where the existing grid-lines are over saturated with solar or people in apartment style living with little to no roof space the chance to fund a small portion of a larger project say on a warehouse or in a field. That way they can still benefit directly from the energy offset without having to worry about space, aesthetics, shading, or a site study from the utility.

Please pass this bill.

Angel Uherek

3454 Campbell Ave  
Honolulu HI 96815

## EEPttestimony

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From: Angelina Mercado <mercadoangelina@gmail.com>  
Sent: Sunday, February 01, 2015 9:48 PM  
To: EEPttestimony  
Subject: I strongly support HB 484

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Sincerely,  
**Angelina Mercado**  
[mercadoangelina@gmail.com](mailto:mercadoangelina@gmail.com)  
(917) 553-9909

## EEPttestimony

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From: Anthony Weersing <anthonyweersing@gmail.com>  
Sent: Monday, February 02, 2015 11:31 AM  
To: EEPttestimony  
Subject: Support for House Bill 484

Aloha,

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy, however, people such as renters or those in areas already saturated with solar power cannot put panels on their roof. Please pass this bill so that more people, not just early adopters and wealthy homeowners, have access to more solar power.

Mahalo,

Anthony Weersing  
733 19th Ave. Apt. A  
Honolulu, HI 96816

## EEPttestimony

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From: Asia Yeary <yeary.asia@gmail.com>  
Sent: Sunday, February 01, 2015 8:00 PM  
To: EEPttestimony  
Subject: Please support HB 484

Dear legislature,

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Sincerely,

Asia Yeary  
Hawaii Resident



## EEPttestimony

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From: Benen Weir <benen.weir@lejardinacademy.org>  
Sent: Monday, February 02, 2015 10:51 AM  
To: EEPttestimony  
Subject: Please support House Bill 484

My Name is Benen,

I am a 10th grade student at Le Jardin Academy. I support House Bill 484 because I believe that saving our planet for future generations is important. I believe that Hawaii should be the national leader in sustainable energy. I believe that the Earth should be here for humans to enjoy as we always have and should never be destroyed for the sake of money and profits.

Sincerely,  
Benen and the future generations of Earth

## EEPttestimony

---

From: Bernhard, Bennet <bbernhard016@lejardinacademy.org>  
Sent: Monday, February 02, 2015 10:32 AM  
To: EEPttestimony  
Subject: Please support House Bill 484

I believe that everyone should have the accessibility to renewable energy. Not only will renewable energy be beneficial towards the cost of electricity for businesses and homes, but this will also have a large positive impact on the environment.

Thank you very much  
-Bennet Bernhard

## EEPttestimony

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From: Brijit Reis <bbreis@icloud.com>  
Sent: Monday, February 02, 2015 7:14 AM  
To: EEPttestimony  
Subject: I support HB 484

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Brit

Brit Reis, MD  
Reis Pediatrics  
30 Aulike St, Suite 500  
Kailua, HI 96734  
ph. 808-263-8822  
f. 808-261-6749  
[www.reispediatrics.com](http://www.reispediatrics.com)  
bbreis@me.com

"When we quit thinking primarily about ourselves and our own self preservation, we undergo a truly heroic transformation of consciousness."

-Joseph Campbell

## EEPttestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Sunday, February 01, 2015 4:22 PM  
To: EEPtestimony  
Cc: Calley@TheRamaExhibition.org  
Subject: Submitted testimony for HB484 on Feb 3, 2015 08:30AM  
Attachments: testimony.docx

### **HB484**

Submitted on: 2/1/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Calley ONeill	Individual	Support	No

Comments: My family, ohana and I strongly support HB 484. This is right for all of us. Right for Hawai'i and right for the living biosphere. It's time we were leaders in this arena. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill swiftly. Let us lead the way to a healthy future for all.

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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We have been renting the same home for 25 years. We desperately want to use solar energy, and we own a fully electric Nissan Leaf vehicle.

My family, ohana and I strongly support HB 484. This is right for all of us. Right for Hawai'i and right for the living biosphere. It's time we were leaders in this arena. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill swiftly. Let us lead the way to a healthy future for all.

Calley O'Neill

## EEPttestimony

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From: DeFontes, Carlann CIV VA (US) <carlann.defontes.civ@mail.mil>  
Sent: Sunday, February 01, 2015 9:03 PM  
To: EEPttestimony  
Subject: House Bill 484 (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: NONE

"I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill."

Carlann DeFontes

Classification: UNCLASSIFIED  
Caveats: NONE

## EEPttestimony

---

From: Hoe, Christina <christina.hoe@lejardinacademy.org>  
Sent: Monday, February 02, 2015 9:46 AM  
To: EEPttestimony  
Subject: Please Support House Bill 484

It is essential that diverse residential areas are able to access renewable energy. Our islands' future depends on shifting away from a fossil fuel based electrical grid.

Mahalo,  
Christina Hoe, M.S.E.  
Kailua Resident

--

*"You are not here merely to make a living. You are here in order to enable the world to live more amply, with greater vision, with a finer spirit of hope and achievement. You are here to enrich the world, and you impoverish yourself if you forget the errand."*

**-Woodrow Wilson**

## EEPttestimony

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From: Colleen Wallis <cee@hawaii.rr.com>  
Sent: Monday, February 02, 2015 9:44 AM  
To: EEPttestimony  
Subject: Clean energy

Dear Representatives,

I strongly support any and all clean energy bills. Living in Hawaii where we have constant sunshine and fairly good weather, it seems foolish that we should have to pay for high energy bills.

Please pass the bill that will give us more clean energy.

Sincerely,

Colleen Miyose- Wallis

Kailua, Kona resident



## EEPttestimony

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From: Douglas McCracken <dbasMcCracken@hawaii.rr.com>  
Sent: Monday, February 02, 2015 9:35 AM  
To: EEPttestimony  
Subject: HB 484

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

## EEPttestimony

---

From: layne <laynecho@gmail.com>  
Sent: Monday, February 02, 2015 9:23 AM  
To: EEPttestimony  
Subject: Community Solar. House Bill 484

Honorable Legislature,

I, Elayne Cho, resident of Kailua support HB 484, I feel it promotes action toward renewable solar energy while curbing carbon emissions that adversely affect climate.

Sincerely,

Elayne Cho  
1222 Manu Mele Street  
Kailua, Hawaii 96734

## EEPttestimony

---

From: Smith, Gabrielle <gsmith015@lejardinacademy.org>  
Sent: Monday, February 02, 2015 11:52 AM  
To: EEPttestimony  
Subject: Please support House Bill 484

Hello, my name is Gabrielle Smith and I am a senior at Le Jardin Academy in Kailua. I was recently informed that HECO is attempting to stop the installation of solar panels to homes and businesses. I strongly believe that this is unjust. Since our Earth's climate is rapidly declining, we should be making as many attempts as we can to save our planet. As strong contributors to the high CO2 levels in our atmosphere, we should be more concerned with lowering our carbon footprint rather than making money. Installation of solar panels can help a household lower their carbon footprint and the government and HECO should not stop us from doing so. Please allow us to have the right to be more eco-friendly by supporting House Bill 484.

Thank you,  
Gabrielle Smith

## EEPttestimony

---

From: Georgette Stevens <georgette.stevens@gmail.com>  
Sent: Monday, February 02, 2015 9:11 AM  
To: EEPttestimony  
Subject: Support House Bill 484

Aloha kakahiaka,

I wholeheartedly support House Bill 484, that will make community solar an option for everyone. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Mahalo,

--

Georgette Stevens  
P. O. Box 75414  
Kapolei, HI 96707  
306-7992

## EEPttestimony

---

From: sclarandg001@hawaii.rr.com  
Sent: Sunday, February 01, 2015 11:47 PM  
To: EEPttestimony  
Subject: HB 484

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill. Sincerely, Giovanni Sclarandis

## EEPttestimony

---

From: Hawaii Mail <dashcapt@hawaii.rr.com>  
Sent: Monday, February 02, 2015 12:01 PM  
To: EEPttestimony  
Subject: House Bill 484

To whom it may concern,

Residents and businesses who are not able to generate and use renewable energy because of their building type, location or access to the utility grid should be able to participate in and enjoy the economic, environmental and societal benefits of renewable energy. House bill 484 would allow them to invest in panels at another location, and receive credit from the utility for the energy generated.

Please include me as a supporter of this bill.

Sincerely,

Heather M. Huitt  
44-002 Paku Pl.  
Kaneohe, Hi 96744

Sent from my iPad

## EEPttestimony

---

From: marsha johnson <m2john3@me.com>  
Sent: Monday, February 02, 2015 1:12 PM  
To: EEPttestimony  
Subject: Solar energy testimony

I strongly support HB 484. Hawaii has cleaner and cheaper energy with each and every solar panel. We need the legislature to make community solar a priority, so everyone has access to solar power. Not everyone can put panels on their roofs. I want you, as my legislators to pass this bill.

Marsha Johnson  
Waikiki resident

## EEPttestimony

---

From: Peter Young <youngpl36@gmail.com>  
Sent: Monday, February 02, 2015 12:47 PM  
To: EEPttestimony  
Subject: Please pass bill HB 484

Hi,

I'm writing to strongly encourage and ask that you pas house bill 484. Not only will this bill make the cost of living here in Hawaii lower and more affordable for everyone, it will also help to alleviate our need for fossil fuels and will help to make Hawaii a model for the effectiveness of renewable energy. We live in a special place, and bills like this one will help to protect it for generations to come.

- Peter Young



## EEPttestimony

---

From: Gmail <aaron.spira@lejardinacademy.org>  
Sent: Monday, February 02, 2015 1:26 PM  
To: EEPttestimony  
Subject: please support house bill 484

I believe that we should all have the right to solar power in Hawaii. It's important for this bill to pass for Hawaii's future.  
Please pass bill 484!!  
Aaron

## EEPttestimony

---

From: Coffman, Haley <hcoffman016@lejardinacademy.org>  
Sent: Monday, February 02, 2015 1:44 PM  
To: EEPttestimony  
Subject: Please support House Bill 484

To whom it may concern,

I am a high school student at Le Jardin Academy, and I fully support this bill. I believe that it is extremely important that we change our ways now. We need to stop relying on fossil fuels and make the switch to renewable energy. Anybody that wants to harness the power of the sun as an energy source should be able to. There should be no cap, no limit, on the amount of households that can connect to the solar grid. We need to make these changes now, in order to promise a sustainable future, without resource depletion.

- Haley  
Coffman

If further contact is needed ...  
[haley.coffman@lejardinacademy.org](mailto:haley.coffman@lejardinacademy.org)

## EEPttestimony

---

From: Jennie Lee <jennie@jennieleeyogatherapy.com>  
Sent: Monday, February 02, 2015 1:30 PM  
To: EEPttestimony  
Subject: please support house bill 484

My name is Jennie Sine and I am a yoga therapist and writer in Hawaii. I feel strongly that Hawaii should become an ALL solar generated state! There is no reason we cannot become completely renewable energy based. Please support this bill!

Thank you Jennie Sine

46-280 Ahui Nani Pl

Kaneohe HI 96744

9787714000

## EEPttestimony

---

From: Chang, Henry <Henry.Chang@lendlease.com>  
Sent: Monday, February 02, 2015 9:16 AM  
To: EEPttestimony  
Subject: HB 484

Lawmakers,

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Mahalo,

[Henry Chang AIA](#) | Technical Design Manager | **Project Management & Construction** | [Lend Lease](#)  
2104 Ulrich Way, Schofield Barracks, HI 96857  
T 808 748 8235 | F 808 748 8299 | M 808 284 3901  
[henry.chang@lendlease.com](mailto:henry.chang@lendlease.com) | [www.lendlease.com](http://www.lendlease.com)

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## EEPtestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Sunday, February 01, 2015 9:48 PM  
To: EEPtestimony  
Cc: jmccay@hotmail.com  
Subject: Submitted testimony for HB484 on Feb 3, 2015 08:30AM

### **HB484**

Submitted on: 2/1/2015

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

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

Comments: I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

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

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## EEPttestimony

---

From: Janet Mac Neal <jjhawaii07@gmail.com>  
Sent: Monday, February 02, 2015 9:40 AM  
To: EEPttestimony  
Subject: 2015 Legislation

I support SB715, HB623 and HB484. Please consider voting for these bills ... your vote will be sincerely appreciated. We the people reach out to all of you to make Hawaii a better place to live for all of us. Mahalo,  
Janet Mac Neal

## EEPttestimony

---

From: Jerome Feldman <feldmanj002@hawaii.rr.com>  
Sent: Sunday, February 01, 2015 8:24 PM  
To: EEPttestimony  
Subject: solar panels

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Prof. Jerome Feldman

## EEPttestimony

---

From: Joel Levey <levey@wisdomatwork.com>  
Sent: Monday, February 02, 2015 5:28 AM  
To: EEPttestimony  
Subject: We strongly support HB 484

Importance: High

My family, ohana and I strongly support HB 484. This is right for all of us. Right for Hawai'i and right for the living biosphere. It's time we were leaders in this arena. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill swiftly. Let us lead the way to a healthy future for all.

Dr. Joel & Michelle Levey  
Hawi, Hawaii 96755  
[AlohaLevey@gmail.com](mailto:AlohaLevey@gmail.com)



## EEPttestimony

---

From: Jonas Vibell <drjonasvibell@gmail.com>  
Sent: Sunday, February 01, 2015 9:55 PM  
To: EEPttestimony  
Subject: Bill 484

Aloha,

Be it known that I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Mahalo nui,

Jonas Vibell

## EEPttestimony

---

From: Joseph Cassidy <joseph.cassidy@lejardinacademy.org>  
Sent: Monday, February 02, 2015 10:13 AM  
To: EEPttestimony  
Subject: Please support House Bill 484

My name is Joseph Cassidy and I'm currently in 11th grade attending Le Jardin Academy. Solar Power is a sustainable and renewable source of energy which has the ability to lower our carbon emissions and keep our planet healthy. Passing House Bill 484 would help Hawaii move one step closer to making a significant contribution to the cause of Global Climate Change. Therefore, I fully support the passing of this bill and urge you to agree too.

EEPttestimony

---

From: Judie Lundborg Hoepner <judie@aloha.net>  
Sent: Sunday, February 01, 2015 4:55 PM  
To: EEPttestimony  
Subject: HB 484

I strongly support passage of this bill. It is in the best interest of the people of our state to become energy independent.

Aloha,  
Judie Hoepner  
639-0212

## EEPttestimony

---

From: Miscovich, Julia <jmiscovich015@lejardinacademy.org>  
Sent: Monday, February 02, 2015 10:11 AM  
To: EEPttestimony  
Subject: Please support House Bill 484

My name is Julia Miscovich and I think that this is a very important bill to pass. The reason for this is because I care about the environment and the plant and want to see a change for the better. I want my kids and grandkids to have the same opportunities that I am having now in my life and the renewable energy will let this plant live a little bit longer. Thank you.

## EEPttestimony

---

From: June Chee <june.chee@kupuhawaii.org>  
Sent: Monday, February 02, 2015 8:40 AM  
To: EEPttestimony  
Subject: COMMUNITY SOLAR (House Bill 484)

Aloha,

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill

Mahalo,

--

### **Kupu**

*June Chee | RISE Program Manager*

677 Ala Moana Blvd. | Suite 1200 - Honolulu, HI 96813

p: 626.318.6313 | e: [june.chee@kupuhawaii.org](mailto:june.chee@kupuhawaii.org)

[www.kupuhawaii.org](http://www.kupuhawaii.org)

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## EEPttestimony

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From: Justinefreebird Espiritu <espirtu.justine@gmail.com>  
Sent: Sunday, February 01, 2015 8:30 PM  
To: EEPttestimony  
Subject: Support for House Bill 484

I strongly support HB 484. Solar panels allow Hawaii residents to tap into our greatest resource for power; the sun. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Mahalo!

Justine Espiritu  
3035 Hibiscus Drive  
Honolulu Hi  
96815

--

Justine Espiritu  
[librebird.weebly.com](http://librebird.weebly.com)  
[Libre Farm, LLC](#)

"You can't live a positive life with a negative mind"

## EEPttestimony

---

From: Karen Kiefer <karen@karenkiefer.com>  
Sent: Sunday, February 01, 2015 8:45 PM  
To: EEPttestimony  
Subject: \*\*\*\*\*SPAM\*\*\*\*\* great idea!

wow- what a great idea to be able to invest in solar off my property! I know my beighbors couldnt put it in becuae thier roof beams werent strong enough- too bad- but this is so doable. Lets go hawaii

Karen Kiefer  
[karen@karenkiefer.com](mailto:karen@karenkiefer.com)

For information about art, art classes, and creative services go to  
<http://www.karenkiefer.com>

## EEPttestimony

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From: Karl Yeary <karlyeary@gmail.com>  
Sent: Monday, February 02, 2015 9:52 AM  
To: EEPttestimony; ENETestimony  
Subject: 100% CLEAN ENERGY BY 2040 (Senate Bill 715, House Bill 623) and Comm. Solar (House Bill 484)

Aloha,

I strongly support SB 715 and HB 623, calling for 100% clean energy by 2040. We need legislators with a strong vision for Hawaii energy independence. Right now, state law targets 40% by 2030. That's not good enough. I don't want the risk of having most of my energy coming from fossil fuels, well into the future. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

Additionally, I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Thanks, Karl



## EEPttestimony

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From: Kate Beutner <katharine.b@gmail.com>  
Sent: Monday, February 02, 2015 8:58 AM  
To: EEPttestimony  
Subject: House Bill 484

Dear Legislators,

I strongly support HB 484. I am lucky enough to live in an `ohana unit in a house with smart, forward-thinking landlords who use entirely solar power thanks to their own roof solar panels.

With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Mahalo,

Kate Beutner

## EEPttestimony

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From: Kevin Holder <kevin.holder@revolusun.com>  
Sent: Sunday, February 01, 2015 10:31 PM  
To: EEPttestimony  
Subject: YES to HB 484

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Kevin Holder

Solar Energy Design Specialist

Certified SunPower Solar Energy Consultant

Certified SunRun Design Consultant

(808) 366-2216 Main | 808.462.4632 Fax

210 Ward Avenue, Suite 140 | Honolulu, HI 96814



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## EEPtestimony

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From: Kohl Christensen <kohlchristensen@gmail.com>  
Sent: Monday, February 02, 2015 11:06 AM  
To: EEPtestimony  
Subject: H.B. 484

I strongly support bill 484 as everyone should have the opportunity to use renewable energies like solar.

Aloha  
Kohl

## EEPttestimony

---

From: Mattson Davis <mattson@konabrewingco.com>  
Sent: Monday, February 02, 2015 8:07 AM  
To: EEPttestimony  
Subject: In Support of HB 484

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Thank you

Mahalo,

Mattson Davis  
Kona Brewing Co  
O- 808-327-3480  
C- 808-937-0466

## EEPttestimony

---

From: Laura Christensen <lellenchristensen@gmail.com>  
Sent: Monday, February 02, 2015 10:11 AM  
To: EEPttestimony  
Subject: I support HB 484

As a community looking forward to a fossil free,healthier ,cleaner island,I support the ability to allow all members the community, regardless of location and lack of finances and building type, be given access to solar power.

Mahalo, Laura Christensen

## EEPttestimony

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From: Levani <levani.rachel@gmail.com>  
Sent: Monday, February 02, 2015 11:51 AM  
To: EEPttestimony  
Subject: Please support House Bill 484

I strongly **support** HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Together we can work to protect the natural resources of our islands and this is an important step. Please pass this bill.

Thank you.

Levani Lipton

## EEPttestimony

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From: Lisa Marten <lisamarten@hawaii.rr.com>  
Sent: Sunday, February 01, 2015 8:49 AM  
To: EEPttestimony  
Subject: Support HB 484

Aloha. I installed PV panels 10 years ago (when it cost more) because I am truly afraid of climate change. Unfortunately, I don't produce enough to cover our use, and could never power an electric car. My neighbors old, tall coconut trees limit the amount of sun I have access to. The house is an illegal vacation rental and they are not open to cutting the trees. So, I want personal access to Community Solar to add to what I can produce at home. Please give me that opportunity.

Thank you, Lisa Marten

## EEPttestimony

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From: LOIS <lbc628@gmail.com>  
Sent: Sunday, February 01, 2015 7:23 PM  
To: EEPttestimony  
Subject: I support HB 484

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy, but not everyone can put panels on their own roof. Please make community solar a priority so that everyone has access to solar power. Please pass this bill.

Lois Crozer  
Kailua



## EEPttestimony

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From: Wilcox, Mala'e <mwilcox015@lejardinacademy.org>  
Sent: Monday, February 02, 2015 11:28 AM  
To: EEPttestimony  
Subject: Please support house bill 484

Good Morning,

I am a 17 year old high school senior from the windward side of Oahu. My family and I have installed PV on our home because of the economic and environmental benefits. Solar and other alternative energys are the only way we are going to ween ourselves off of fossil fuel dependency. On behalf of my entire generation and ones to follow, we ask you to please support this bill.

Sincerely,  
Mala'e Wilcox

## EEPttestimony

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From: Marx, Marika <mmarx016@lejardinacademy.org>  
Sent: Monday, February 02, 2015 10:21 AM  
To: EEPttestimony  
Subject: Please Support House Bill 484!!

I'm a High School student that supports this bill, I am a part of a program that teaches kids the importance of sustainability and our Earth. This would show the kids that the government does care about the Earth!! We need to pass this bill because it is important that everyone has access to this sustainable resource. We need to protect the Earth!!

Please pass House Bill 484!!

Marika Marx

## EEPttestimony

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From: Tanaka Masahiro <peac91@hotmail.com>  
Sent: Monday, February 02, 2015 10:42 AM  
To: EEPttestimony  
Subject: HB484

Aloha,

I strongly support HB 484. With each new solar panel,

Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof such as myself, living in the condominium.

We need the legislature to make community solar a priority, so that everyone has access to more solar power.

Please pass this bill.

M. Tanaka.

## EEPttestimony

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From: Matt Lau <mattcalling@gmail.com>  
Sent: Sunday, February 01, 2015 4:35 PM  
To: EEPttestimony  
Subject: HB 484

To All Concerned,

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Thank you,

Matt Lau

## EEPttestimony

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From: mihaela banu <mihaflore81@yahoo.com>  
Sent: Sunday, February 01, 2015 6:23 PM  
To: EEPttestimony  
Subject: House Bill 484

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Thank you,  
Miha Banu

## EEPttestimony

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From: Naoka Chindo <divineloveheart@gmail.com>  
Sent: Monday, February 02, 2015 8:30 AM  
To: EEPttestimony  
Subject: HB484

To Whom you may concern;

We strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Sincerely,  
Michael & Naoka Tuttle  
808-635-8662  
woodcrystals.com. 愛心道  
~Nau ko'u Aloha~

sent from my iPhone

## EEPttestimony

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From: Monte44 <monte44@aol.com>  
Sent: Sunday, February 01, 2015 10:06 PM  
To: EEPttestimony  
Subject: House Bill 484

"I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill."

Thank You

Monte Elias  
420 N. kalaheo Ave. Apt. C  
Kailua, Hi. 96734

## EEPttestimony

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From: Nick DeBoer <nicholas.deboer@gmail.com>  
Sent: Monday, February 02, 2015 8:16 AM  
To: EEPttestimony  
Subject: House Bill 484

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Sincerely,

Nick DeBoer



## EEPttestimony

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From: Richard <rchrdsnth2011@gmail.com>  
Sent: Monday, February 02, 2015 9:27 AM  
To: EEPttestimony  
Subject: Community Solar HB 484

Honorable Legislature,

I, Richard M. Smith, retired UH science professor and resident of Kailua support HB 484, I feel it promotes action toward renewable solar energy while curbing carbon emissions that adversely affect climate.

Sincerely,

Richard Smith  
1222 Manu Mele Street  
Kailua, Hawaii 96734

## EEPttestimony

---

From: Roy Skaggs <roy8820@yahoo.com>  
Sent: Sunday, February 01, 2015 10:38 PM  
To: EEPttestimony  
Subject: COMMUNITY SOLAR (House Bill 484)

Aloha,

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Mahalo,  
Roy Skaggs

## EEPttestimony

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From: Braun, Samuel <sbraun016@lejardinacademy.org>  
Sent: Monday, February 02, 2015 10:26 AM  
To: EEPttestimony; ENETestimony  
Subject: Please Support House Bill 484

I am 16 years old and attend Le Jardin Academy and think that in order to save our planet we need to end the unsustainable reliance on oil. As an island cut off from resources we need to be as sustainable as possible in case of an emergency. Sustainable energy is the first step.

## EEPttestimony

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From: Samuel K Kapoi <samkapoi@gmail.com>  
Sent: Sunday, February 01, 2015 8:56 PM  
To: EEPttestimony  
Subject: Support HB 484

**Aloha!**

My name is Sam Kapoi of Wai'anae and I strongly support HB 484. With each new solar panel, Hawai'i gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill. Mahalo Nui!

Me Ke Aloha 'Āina,  
Sam "Kamu" Kapoi

Stay connected:  
[www.SamKapoi.com](http://www.SamKapoi.com)

## EEPtestimony

---

From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 02, 2015 9:16 AM  
To: EEPtestimony  
Cc: sawonglaw@hawaii.rr.com  
Subject: Submitted testimony for HB484 on Feb 3, 2015 08:30AM

### **HB484**

Submitted on: 2/2/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Sandie Wong	Individual	Support	No

Comments: I live in a highrise condo and am not able to put PV on my roof. Therefore, the only way that I can get the benefits of solar energy is via community solar. Therefore, I am in support of HB484. Thank you.

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## EEPtestimony

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From: Scott Cooney <scott@importantmedia.org>  
Sent: Monday, February 02, 2015 11:21 AM  
To: EEPtestimony  
Subject: Support testimony for HB 484

Aloha elected officials,

I'm writing to support community solar. I strongly urge you to pass this bill into law, since it will provide the opportunity for all residents to use clean, renewable, HAWAIIAN-GROWN energy. Right now, it's just the financially better off people that can benefit from solar, and I believe everyone should be able to.

Let's do everything we can to stop sending all our money outside of Hawaii to buy non-renewable fuel.

Mahalo,  
-Scott

--

\*\*\*\*

*I love concise emails.*

### Scott Cooney, MBA, MS

Publisher and CEO | [Important Media](#)

Author | [Build a Green Small Business](#) (McGraw-Hill)

[LinkedIn](#) [Twitter](#)

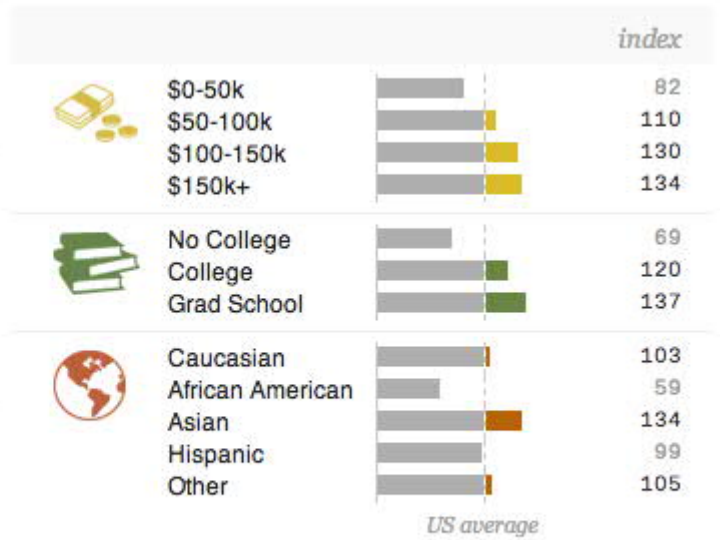
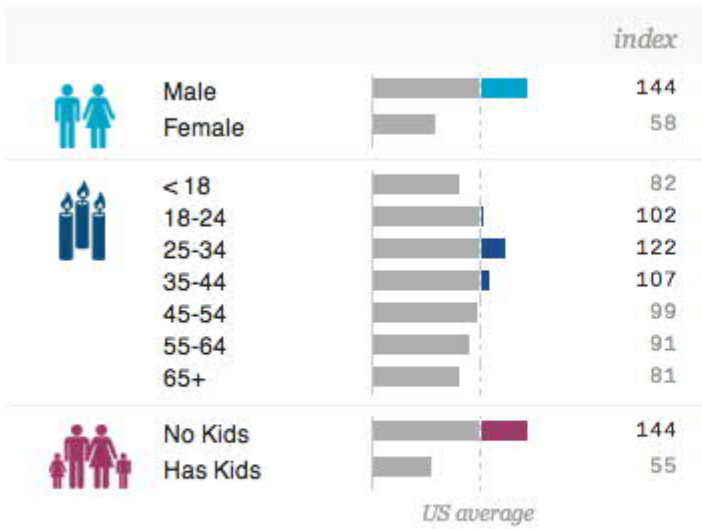


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## US DEMOGRAPHIC SUMMARY

Nearly 3 million monthly readers and 1 million social media followers across 20 sites.



Updated Jun 16, 2014 • Next: Jun 25, 2014 by 9AM PDT

EEPtestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Sunday, February 01, 2015 11:30 PM  
To: EEPtestimony  
Cc: shannonkona@gmail.com  
Subject: Submitted testimony for HB484 on Feb 3, 2015 08:30AM

**HB484**

Submitted on: 2/1/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Shannon Rudolph	Individual	Support	No

Comments: Strongly Support! Gloomy Germany is beating the pants off us. Hawai`i SHOULD BE a solar leader to the world, the ONLY thing stopping us is bad policy. I hope all legislators will make solar a very high priority from here on out. Mahalo!

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EEPtestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Sunday, February 01, 2015 3:59 PM  
To: EEPtestimony  
Cc: davidsher@juno.com  
Subject: \*Submitted testimony for HB484 on Feb 3, 2015 08:30AM\*

**HB484**

Submitted on: 2/1/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Sherry Pollack	Individual	Support	No

Comments:

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## EEPttestimony

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From: Victoria Suarez [Contractor] <vsuarez@opterraenergy.com>  
Sent: Monday, February 02, 2015 11:54 AM  
To: EEPttestimony; ENETestimony  
Cc: info@blueplanetfoundation.org  
Subject: Support of SB 715, HB 623 & HB 484

To Whom it May Concern:

I stand with those in support of SB 715 and HB 623, encouraging the urgency for 100% clean energy by 2040. Those who are in a place to make decisions must be looking toward a future where Hawaii can have energy independence, we need legislators with a strong vision. As it stands, state law targets 40% by 2030; that's not helping enough. Together, we can create a vision where our energy comes from sustainable and renewable sources. Please pass these bills that will set Hawaii on a path toward 100% clean energy that is local, sustainable, and cost-effective.

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Tori Suarez

## EEPttestimony

---

From: Wendy <wendywailua@gmail.com>  
Sent: Sunday, February 01, 2015 10:27 PM  
To: EEPttestimony  
Subject: In support of HB 484

I support HB 484. It's important that government do everything possible to facilitate more people being able to install solar power on their homes.

Mahalo,  
Wendy Raebeck

EEPtestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 02, 2015 12:48 PM  
To: EEPtestimony  
Cc: zojing@aol.com  
Subject: \*Submitted testimony for HB484 on Feb 3, 2015 08:30AM\*

**HB484**

Submitted on: 2/2/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Zojing Wong	Individual	Support	No

Comments:

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## EEPttestimony

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From: Roberts, Brianna <broberts@lejardinacademy.org>  
Sent: Monday, February 02, 2015 1:51 PM  
To: EEPttestimony  
Subject: Please support House Bill 484

**To Whom It May Concern;**

My name is Brianna Roberts and I support House Bill 484. It is important to utilize renewable energy sources to reduce our impact on the environment. Supporting this bill will decrease our reliance on non-renewable fuels and therefore help in protecting the environment.

Thank you,

Brianna Roberts

## EEPttestimony

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From: Sean Harding <sean.harding@lejardinacademy.org>  
Sent: Monday, February 02, 2015 2:10 PM  
To: EEPttestimony  
Subject: House Bill 484

Passing the bill is giving our freedoms back. Allowing HECO to continue to restrict the right of free commerce and impose their will upon us with unjust fees and prices and prevent the capitolism taking them out and forcing them to lower prices or lose competency in the business market is wrong. The monster known as HECO should be denied the right to enslave us by contract and fees and we should pass this bill to help the lesser man who can't afford HECO's unsatiable rates.

--

[Sean Harding](#)

## EEPttestimony

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From: Joan Larcom <joan.larcom@gmail.com>  
Sent: Monday, February 02, 2015 3:23 PM  
To: EEPttestimony  
Subject: SUPPORT OF BILL 484

"I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

JOAN LARCOM #006 PUALEI CIRCLE , PAT. 306 HON, HI 96815

## EEPttestimony

---

From: Miles Topping <miles.topping@gmail.com>  
Sent: Monday, February 02, 2015 3:01 PM  
To: EEPttestimony  
Subject: COMMUNITY SOLAR (House Bill 484)

Dear Legislators,

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

Sincerely,  
Miles Topping



EEPtestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 02, 2015 3:09 PM  
To: EEPtestimony  
Cc: paulakomarajr@yahoo.com  
Subject: Submitted testimony for HB484 on Feb 3, 2015 08:30AM

**HB484**

Submitted on: 2/2/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Paul A. komara, Jr.	Individual	Comments Only	No

Comments: Lets keep this process transparent...

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## EEPttestimony

---

From: Kennedy-Anne Marx <mkennedyanne@gmail.com>  
Sent: Monday, February 02, 2015 3:27 PM  
To: EEPttestimony  
Subject: I support bill 484

I strongly support HB 484. Solar is cleaning the atmosphere and using a resource that is always there in the sky, and it doesn't cost money or damage for the sun to shine. I think that it will be very helpful in protecting our planet and limiting the use on fossil fuels. If we protect our planet from climate change and fossil fuels, we will be protecting this beautiful island, and the keiki who will be the future leaders. It is an effective way for people to be self sufficient, there is only so much oil on this planet, but there is always a sun in the sky, Please pass this bill. Mahalo!

EEPtestimony

---

From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 02, 2015 3:19 PM  
To: EEPtestimony  
Cc: mauipeaceaction@earthlink.net  
Subject: \*Submitted testimony for HB484 on Feb 3, 2015 08:30AM\*

**HB484**

Submitted on: 2/2/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Mele Stokesberry	Individual	Support	No

Comments:

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EEPttestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 02, 2015 3:29 PM  
To: EEPttestimony  
Cc: res1z0vb@hawaiiantel.net  
Subject: Submitted testimony for HB484 on Feb 3, 2015 08:30AM

**HB484**

Submitted on: 2/2/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Dana G. Moss	Individual	Support	No

Comments: This is good for all who can help to feed the grid, fair compensation.

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## EEPttestimony

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From: Serena Nozawa <serena.nozawa@lejardinacademy.org>  
Sent: Monday, February 02, 2015 2:27 PM  
To: EEPttestimony  
Subject: Please support the House Bill 484!

My name is Serena Nozawa and I am a Senior at Le Jardin Academy. I support these bills to update our Renewable Portfolio Standards because I believe that moving completely off of fossil fuels is necessary to live in a healthier world! As a young adult, I care about the state of world because it will be the world that my children grow up in. I want them to be able to hike to waterfalls the way I do and not have to look at a screened sunset like the people of Beijing.

Thank you for your consideration.

## EEPttestimony

---

From: jeff barone <jeff.barone@gmail.com>  
Sent: Monday, February 02, 2015 3:44 PM  
To: EEPttestimony  
Subject: Please support House Bill 484

To Whom it may concern...

Aloha Mesdames and Gentlemen,

I am a deeply concerned citizen expressing my opinion regarding the support of Community Solar for residents and businesses regardless of the building type or location of the building.

Renewable energy in the form of Solar Power should be made available to every citizen and or business owner. There should be No discrimination's made based on the arbitrary concepts of building type and location. It is the right of every Hawaiian citizen to enjoy the economic and environmental benefits the sun brings in bounty and abundance as it falls upon this beautiful state.

Thank you for your consideration in this deeply significant matter.

Please support Community Solar for us and our planet!

Mahalo~

Jeff Barone

## EEPttestimony

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From: Janis Walholm <honokaajewelers@msn.com>  
Sent: Monday, February 02, 2015 1:26 PM  
To: EEPttestimony  
Subject: We support solar energy

Count us in. What is the point of shipping oil to burn and pollute?

EEPtestimony

---

From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 02, 2015 5:15 PM  
To: EEPtestimony  
Cc: audnewman@gmail.com  
Subject: Submitted testimony for HB484 on Feb 3, 2015 08:30AM

**HB484**

Submitted on: 2/2/2015

Late

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Audrey Newman	Hawaii Green Growth	Support	No

Comments: Hawai'i Green Growth is a voluntary partnership of more than 70 state, county, federal, business, and non-governmental leaders from energy, food production, natural resources, waste reduction, planning, green jobs, and other sectors who have come together to support a shared statewide commitment and tangible actions toward sustainability and a model green economy. Hawai'i Green Growth (HGG) supports HB 484 as a clean energy priority to help advance action on the Aloha+ Challenge, a joint leadership commitment to sustainability for the State of Hawai'i. HGG supports a Community-Based Renewable Energy Program that allows: - Hawai'i ratepayers to obtain an interest in renewable energy equipment, or otherwise benefit from renewables located anywhere on their island grid. - participants to receive credit on their electricity bill as determined by a tariff approved the Public Utilities Commission. Mahalo nui for your consideration

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Late

2/4/2015

House Committee on Energy & Environmental  
Protection

ENE

8:30 a.m.

HB 484

**TESTIMONY IN SUPPORT**

Dear Chair Lee, Vice Chair Lowen, and Members of the Committees:

Hawaii PV Coalition (“HPVC”) supports community solar programs such as this one that expand opportunities to benefit from investments in renewable energy to renters and occupants of housing structure types that are not conducive to solar investments under the current rules.

For this reasons, we support HB 484. Thank you for the opportunity to provide this testimony.

Mark Duda  
President, Hawaii PV Coalition

*The Hawaii PV Coalition was formed in 2005 to support the greater use and more rapid diffusion of solar electric applications across the state. Working with business owners, homeowners and local and national stakeholders in the PV industry, the Coalition has been active during the state legislative sessions supporting pro-PV and renewable energy bills and helping inform elected representatives about the benefits of Hawaii-based solar electric applications.*

Late



**Testimony of ERIK KVAM**  
**President of Renewable Energy Action Coalition of Hawaii**  
**e-mail: [Erik.Kvam@REACHhawaii.org](mailto:Erik.Kvam@REACHhawaii.org)**

**In SUPPORT of HB 484 RELATING TO ENERGY**

**Before the**  
**HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION**

**Tuesday, February 3, 2015 8:30 a.m.**

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

My name is Erik Kvam. I am the President of Renewable Energy Action Coalition of Hawaii (REACH). REACH is a trade association whose vision is a Hawaiian energy economy based 100% on renewable sources indigenous to Hawaii.

**REACH SUPPORTS THE INTENT** of HB 484.

REACH believes that **the success of HB 484** in making the benefits of renewable energy more accessible to a greater number of Hawaii residents **depends absolutely and critically on expanding the present net energy metering (NEM) statute.**

Community-based renewable energy projects have succeeded in states like Colorado that have (1) no system size limits on NEM projects, and (2) no aggregate capacity limits on the total amount of NEM generation that can be interconnected with the grid.

In states like Colorado, a community-based renewable energy project is like a single NEM customer. The project is sized to “zero out” the net amount of energy purchased from the utility by the customer-owners of the project. The project is sized so that the amount of excess energy supplied by the project to the utility offsets the amount of

energy supplied by the utility to the customer-owners of the project. The excess energy supplied by the project to the grid is valued at the retail rate paid by customer-owners for energy purchased from the grid.

REACH recommends amending HB 484 to provide that the system size limits under Hawaii's NEM statute be increased to 1 MW.

In Colorado, a community-based renewable energy project can be of any size – anything up to 1 MW and beyond – based on the aggregate loads of the customer-owners served by the project, because Colorado's NEM statute and rules have no system size limits on NEM projects.

Hawaii's NEM is different. Hawaii has NEM system size limits of 100 kW for the islands of Oahu, Hawaii and Maui. Any Hawaii community-based renewable energy project larger than 100 kW would not be eligible for NEM and would not be a good investment for the customer-owners because the excess energy would not be valued at the retail rate of about 30¢/kWh on Oahu under NEM. Instead, it would be valued at something like the 15¢/kWh rate that HECO is presently willing to pay for energy from large PV projects on Oahu.

A Hawaii community-based renewable energy project larger than 100 kW would be a bad investment for the customer-owners because not qualifying for NEM would cut the economic benefit from the project in half. Unless the NEM system size limits are increased to a higher figure such as 1 MW, the substantial transaction costs of setting up the community-based renewable energy project investment transaction, and adapting the utility's billing and bookkeeping for the customer-owners of the project, would have to be spread among a relatively small number of customer-owners in projects no larger than 100 kW.

**To have successful community-based renewable energy projects larger than 100 kW, Hawaii's NEM statute would need to be amended to increase the NEM system size limits to a higher figure, such as 1 MW.** REACH recommends that HB 484 be amended to provide that the system size limits under Hawaii's NEM statute be increased to 1 MW.

REACH recommends amending HB 484 to eliminate the aggregate capacity limit of .5% of peak demand under Hawaii's NEM statute.

In Colorado, a community-based renewable energy project has a right to have all its excess energy valued at the retail rate because Colorado's NEM statute and rules have no aggregate capacity limit on the total amount of renewable generation that is eligible for NEM.

Hawaii's NEM is different. Hawaii's NEM statute has an aggregate capacity limit -- .5% of peak demand – on the total amount of renewable generation that is eligible for NEM and that can have its excess energy valued at the retail rate. That aggregate capacity limit was surpassed several years ago. Since that time, the total amount of renewable generation allowed to have its excess energy valued at the retail rate under NEM has been

at the discretion of the utilities. Under Hawaii's NEM statute, a community-based renewable energy project has no statutory right to have its excess energy valued at the retail rate.

**The HECO utilities have decided that they no longer want to value any excess energy from any renewable generation at the retail rate under NEM.** The HECO utilities have filed a motion informing the Hawaii's Public Utilities Commission that, going forward: (1) they want to value such excess energy at a rate of about 15¢/kWh on Oahu, and (2) they want to be able to "curtail" such excess energy so that they are not obliged to receive it, and are not obliged to pay for it at all.

Here's what that means for a community-based renewable energy project:

For a project that is sized to "zero out" the electric bills of the customer-owners under NEM, about one-third of the energy produced by the project is consumed as it is generated, and the other two-thirds is "excess energy" delivered to the utility.

If the utility values that excess energy at 15¢/kWh, or if the utility values that excess energy at 0¢/kWh because the utility can curtail it at will, then the customer-owners have no idea what compensation, if any, they will receive for the excess energy. Because they have no assurance that they will receive any compensation for the excess energy, the customer-owners will want to size the project only for the one-third of the energy that is consumed as it is generated.

Unless the NEM statute is amended to eliminate the .5% aggregate capacity limit, the project will not be eligible for NEM, and will be sized to offset only about one-third of the customer-owners' loads. Unless the NEM statute is amended to eliminate the .5% aggregate capacity limit and make the project eligible for NEM, the customer-owner is being asked to make an investment in a community-based renewable energy project that will reduce the customer's monthly electric bill only by about one-third, and that will not "zero out" the bill.

**To have successful community-based renewable energy projects that "zero out" the customer-owners' monthly electric bills, Hawaii's NEM statute would need to be amended to eliminate the .5% aggregate capacity limit.** REACH recommends that HB 484 be amended to eliminate the .5% aggregate capacity limit under Hawaii's NEM statute.

### Summary

**REACH SUPPORTS THE INTENT** of HB 484. Community-based renewable energy projects need to be eligible for NEM to be good investments for their customer-owners. The NEM system size limits need to be increased to at least 1 MW, and the NEM .5% aggregate capacity limit needs to be eliminated, to make these projects eligible for NEM.

**REACH SUPPORTS AMENDMENTS** to HB 484 that would increase the NEM system size limits to 1 MW, and that would eliminate the NEM .5% aggregate capacity limit, to

fulfill the bill's intent of making the benefits of renewable energy more accessible to a greater number of Hawaii residents.

Thank you for allowing me to testify.

## EEPttestimony

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From: Alexandra Fairfax <alexandra.fairfax@lejardinacademy.org>  
Sent: Monday, February 02, 2015 4:53 PM  
To: EEPttestimony; Christina Hoe  
Subject: Please support House Bill 484

Late

My name is Alexandra Fairfax and I'm a sophomore in high school. I am in support of House Bill 484 because it allows many residents and businesses to still have the option of this renewable energy source. This is extremely beneficial to the environment to help stop climate change, which if we don't try and put a stop to now, will continue to hurt our planet.

Thank you,  
Alexandra

EEPtestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 02, 2015 9:25 PM  
To: EEPtestimony  
Cc: alemorrier@gmail.com  
Subject: \*Submitted testimony for HB484 on Feb 3, 2015 08:30AM\*

Late

**HB484**

Submitted on: 2/2/2015

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

Submitted By	Organization	Testifier Position	Present at Hearing
alicia morrier	Individual	Support	No

Comments:

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## EEPttestimony

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From: Andrew Levora <andrew.levora@lejardinacademy.org>  
Sent: Monday, February 02, 2015 8:05 PM  
To: EEPttestimony; Christina Hoe  
Subject: Please support House Bill 484

Late

Hello,

My name is Andrew, I am a student in the 10th grade attending Le Jardin Academy in Kailua. I support Bill 484 because it allows members of our community a chance to take part in a great green energy opportunity that they would otherwise miss because of their location. I think it is crucial to pass this bill as it will be a major stepping stone to hawaii's Clean Energy Initiative of 70% clean energy by 2030. I feel strongly towards this decision as it will lead to affect myself and my peers in the near future.

Mahalo nui loa,

Andrew Levora  
16 year old, from Kaneohe

--

Andrew Levora  
[andrew.levora@lejardinacademy.org](mailto:andrew.levora@lejardinacademy.org)



EEPttestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 02, 2015 5:40 PM  
To: EEPttestimony  
Cc: ahuntemer@aol.com  
Subject: Submitted testimony for HB484 on Feb 3, 2015 08:30AM

Late

**HB484**

Submitted on: 2/2/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Angela Huntemer	Individual	Support	No

Comments: Aloha Chair, Vice Chair and members of the Committee. I strongly support HB 484. I live in a condo and we have not figured out a way to install solar panels yet. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass HB484 Mahalo

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## EEPttestimony

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From: Ben Cook <ben.cook@lejardinacademy.org>  
Sent: Monday, February 02, 2015 4:36 PM  
To: EEPttestimony  
Subject: I support bill 484

Late

I support bill 484 ❤️❤️ think it is important to have solar panels because climate change is a problem  
Thank you much love,  
Ben Cook

EEPtestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 02, 2015 9:03 PM  
To: EEPtestimony  
Cc: chris@mentzel.com  
Subject: Submitted testimony for HB484 on Feb 3, 2015 08:30AM

**HB484**

Late

Submitted on: 2/2/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Chris Mentzel	Individual	Support	No

Comments: I strongly support this bill. It should probably be refined in defining that every kWh produced by the part of a system owned by a person reduces that person's electricity bill by one kWh. If it is done that way, it is independent of what happens to Net Metering.

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EEPtestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 02, 2015 6:09 PM  
To: EEPtestimony  
Cc: clareloprinzi@gmail.com  
Subject: \*Submitted testimony for HB484 on Feb 3, 2015 08:30AM\*

**HB484**

Late

Submitted on: 2/2/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
clare loprinzi	Individual	Support	No

Comments:

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## EEPttestimony

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From: GRANT SCHAEFER <grant.schaefer@lejardinacademy.org>  
Sent: Monday, February 02, 2015 4:39 PM  
To: EEPtestimony  
Subject: I support bill 484

Late

I support bill 484 because we should start using more reusable energy in Hawaii and stop using the fossil fuels that are incredibly detrimental to our ecosystem. This would be a great step in starting the process of cleaning up our Earth!

Thank You,  
Grant Schaefer

--  
Thank You,

Grant Schaefer

## EEPtestimony

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From: Janet Pappas <jpappas60@gmail.com>  
Sent: Monday, February 02, 2015 8:28 PM  
To: EEPtestimony  
Subject: Support for HB484 (Community Solar)

Late

Dear House EEP Committee members,

I am strongly in favor of HB484 (Community Solar) which would allow electric utility customers to purchase shares in a renewable energy facility and receive bill credits for energy production. Many Hawaii residents now realize that action must be taken on climate change. A program of this type gives many more people the opportunity to take positive action, reduce their own electricity costs and share in Hawaii's move forward on its renewable energy goals.

We are not alone and we are not the first. There are at least 52 projects in at least 17 states; and at least 10 states are encouraging their development through policy and programs, according to the Solar Energy Industries Association (see June 14, 2014 [NY Times article](#)). There should be many examples for us to compare and choose from.

I urge you to strongly consider passing this bill this year to put us on the road to a fossil-fuel-free Hawaii.

Sincerely,  
Janet L. Pappas  
98-1287 Akaaka St.  
Aiea, Hawaii 96701  
[jpappas60@gmail.com](mailto:jpappas60@gmail.com)  
[\(808\) 383-1988](tel:(808)383-1988)

## EEPttestimony

---

From: Jeff Yin <jyin42@gmail.com>  
Sent: Monday, February 02, 2015 9:26 PM  
To: EEPttestimony  
Subject: I support HB 484

Late

I strongly support HB 484. With each new solar panel, Hawai'i gets cleaner and cheaper energy, but people like me, who live in apartments, can't contribute to our clean energy future by buying solar power. Please make community solar a priority so that everyone has access to solar power. Please pass this bill to allow us to grow local, clean energy.

Jeffrey Yin  
Makiki, Honolulu, Hawai'i

EEPtestimony

---

From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 02, 2015 4:08 PM  
To: EEPtestimony  
Cc: wao-hsl@WeAreOne.cc  
Subject: \*Submitted testimony for HB484 on Feb 3, 2015 08:30AM\*

**HB484**

Late

Submitted on: 2/2/2015

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

Submitted By	Organization	Testifier Position	Present at Hearing
Joseph Kohn MD	Individual	Support	No

Comments:

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## EEPtestimony

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From: Kaya Wooley <kaya.wooley@lejardinacademy.org>  
Sent: Monday, February 02, 2015 4:34 PM  
To: EEPtestimony  
Subject: Bill 484

Late

I think that this bill is important for the environmentally friendly growth of Hawaii because it is the responsibility of all businesses and residents to help promote reusable energy in any way they can. This bill will encourage people to do so even in places where using solar panels is usually not practical, thus saving the state on non-renewable energy as a whole and showing their support for the issue.

--

Meow

## EEPttestimony

---

From: Kyle DeLeon <kyle.deleon@lejardinacademy.org>  
Sent: Monday, February 02, 2015 6:17 PM  
To: Christina Hoe; EEPttestimony  
Subject: Please Support House Bill 484

Late

I am Kyle de Leon, a 10th student at Le Jardin Academy in Kailua, Hawaii. I believe it is important for this bill to be passed because it has the potential to perpetuate the idea of clean energy. Exposure to alternative sources of energy can encourage "green" habits in the future among the people in our community and the world.

## EEPttestimony

---

From: Lawson, Lauren <lauren.lawson@lejardinacademy.org>  
Sent: Monday, February 02, 2015 4:57 PM  
To: EEPttestimony  
Subject: Please Support Bill 484

Late

Using solar panels is very important and something everyone should do. We should stop using fossil fuels so it doesn't affect our climate change. Mahalo!

## EEPttestimony

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From: Memering, Madalyn <madalyn.memering@lejardinacademy.org>  
Sent: Monday, February 02, 2015 4:04 PM  
To: EEPttestimony  
Subject: I support bill 484

Late

Hi my name is Maddy. I believe that solar Panels are very important. I believe this because solar panels can cut down costs of electric bills for lots of families which is very important for the government, and it is important to the citizens of Hawaii. Putting solar panels on more buildings is also more eco friendly, and if there are cloudy or sunny days, the solar panels save up energy for other days. Thank you and please support bill 484!

Sincerely-

Maddy Memering

## EEPttestimony

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From: Barrett, Marisa <marisa.barrett@lejardinacademy.org>  
Sent: Monday, February 02, 2015 4:19 PM  
To: EEPttestimony  
Subject: Please Support House Bill 484

Late

**Please support 484**

I think that solar panels are important and we should use it instead of fossil fuels because of global warming

## EEPttestimony

---

From: Michael Noon <michael.noon@lejardinacademy.org>  
Sent: Monday, February 02, 2015 4:50 PM  
To: EEPttestimony  
Subject: I Support bill 484

Late

I support bill 484 allowing homeowners to purchase and install of systems on their house. If we want to play our part as a community in the movement of halting global warming we need to allow homeowners to make smart and green decisions about their energy use.

## EEPtestimony

---

From: Nina Krupa <nina.krupa@lejardinacademy.org>  
Sent: Monday, February 02, 2015 7:15 PM  
To: Christina Hoe; EEPtestimony  
Subject: Please support House Bill 484

Late

Hello!

My name is Nina and I am a sophomore student at Le Jardin Academy. I love the environment and I know how lucky I am to live in Hawaii, such a beautiful sunny place! I truly believe this bill is important to pass as I know there are many people in Hawaii (including myself) who are renting and don't have the ability to purchase and install solar panels. With all the sunshine we receive here in Hawaii it only make s sense to reap the benefits of it in every way possible. We all say we want to "Go Green" and "Save the Planet" but very few of us walk our talk. Some of us are not able to use renewable energy because of our location or building type but this bill could change things the way they are for the better. This time, more of us can make a change, together.

Thank you so much!

Go Solar Energy!

Nina :)

## EEPttestimony

---

From: Pyle, Owen <owen.pyle@lejardinacademy.org>  
Sent: Monday, February 02, 2015 5:32 PM  
To: EEPtestimony  
Subject: Government Bill 484

Late

Hello, my name is Owen Pyle and I am an eighth grade student at Le Jardin Academy. Passing this bill will be extremely beneficial to our environment. Burning oil is harmful to the earth. When combusted, fossil fuels release numerous toxins that are impactful to the atmosphere. Carbon Dioxide is essential for the earth, however too much is very dangerous. Studies have shown that our climate has changed rapidly of the past 100 years do to burning fossil fuels. Before the industrial age, carbon dioxide levels were at approx. 280 parts per million. Now, over 400 parts per million are in our atmosphere. CO2 takes up about 63% of the greenhouse effect on planet earth. Rising temperatures are dramatically changing the environment. Our beaches will be affected by rising sea levels, and our weather will change. Just a few years ago we had HAIL! In Hawaii! Many of the species that live in our famous coral reefs are endemic to Hawaii. Rising temperature and sea levels will exterminate the vast ecosystem of our coral reefs. Imagine impacts on tourism, if many of our beaches have been consumed by the Pacific, and if snorkeling died out due to barren reefs. This bill needs to be passed in order for a more sustainable future. Let Hawaii be a shining beacon of renewable energy a civilization that is beginning to realize how their planet has been impacted by their actions.

Thank you for your consideration and please take it upon yourselves to do make the right choice.



Picture Credit:

[www.dailymail.co.uk](http://www.dailymail.co.uk)

Mail Online. Associated Newspapers, n.d. Web. 02 Feb. 2015.



## EEPttestimony

---

From: pikakiflower@gmail.com  
Sent: Monday, February 02, 2015 4:25 PM  
To: EEPttestimony  
Subject: COMMUNITY SOLAR (House Bill 484)

Late

Dear Sir or Madam,

This letter is to inform your office of my support of HB 484. This is great way to get cleaner and cheaper energy. Since, my husband and I own a Condo, we can't put panels on the roof as individual home owners do.

We need the assistance of the legislature to make community solar a priority, so that everyone has access to more solar power.

Please pass this bill!

Thank you.

Signed,

Mr. & Mrs. Raj Bose

House Bill 484  
Committee On Energy & Environmental Protection  
February 3<sup>rd</sup> 2015

In Strong Support

Late

Aloha Chair Lee and EEP members,

I would like to voice my strong support of HB 484 as an important step towards a cleaner energy future in Hawai'i. Solar energy is providing an at home solution to reducing our reliance on foreign fossil fuels. However, there are still barriers to homeowners and tenants both financially and practically that can be eased through an expanded and protected community solar program.

I appreciate your consideration of HB 484 and towards making these islands leaders in a more self-reliant, sustainable way of life.

Cheers for your time and energy.

Rafael Bergstrom

From: Hershey, Sean <sean.hershey@lejardinacademy.org>  
Sent: Monday, February 02, 2015 6:41 PM  
To: EEPttestimony  
Subject: Please support House Bill 484

Late

I think this bill should passed because it supports renewable energy. Even people who cant have rooftop solar can participate and benefit from solar energy. This will encourage the use of solar.

- Sean Hershey, Le Jardin Academy Grade 7

## EEPttestimony

---

From: Desilets, Sophie <sophie.desilets@lejardinacademy.org>  
Sent: Monday, February 02, 2015 4:51 PM  
To: EEPttestimony  
Subject: I support Bill 484

Late

I support Bill 484 because we need to use renewable energy sources. Solar panels will be helpful and will slow down climate change. Thank you!

EEPttestimony

---

From: Ariel Sax <ariel.sax@lejardinacademy.org>  
Sent: Tuesday, February 03, 2015 8:34 AM  
To: EEPttestimony  
Subject: Please support House Bill 484

Late

Aloha State Council,

I believe that sustainability is essential to have in Hawaii. We need to invest in panels so that we use natural sources instead of oil. This will allow us to be more environmentally friendly and taking a step to save this planet. Please support the Bill.

## EEPttestimony

---

From: kuaaikonne2@hawaii.rr.com  
Sent: Monday, February 02, 2015 10:22 PM  
To: EEPttestimony  
Subject: Community Solar

Late

"I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill."

Thank you for voicing your support. We will keep you up to date on the progress of these and other energy measures during the 2015 legislative session.

Connie Fairbanks  
Holualoa, HI 96725

## EEPttestimony

---

From: Mars Mesina <maria.mesina@lejardinacademy.org>  
Sent: Tuesday, February 03, 2015 8:28 AM  
To: EEPtestimony; ENETestimony  
Subject: Please Support House Bill 484

Late

Dear State Council,

I believe that sustainability is very important in Hawaii. We need to invest in panels so that we can use a natural source for energy instead of oil, being more environmentally-friendly. Please support this bill for the well being of Hawaii.

Mahalo,  
Marianne

## EEPttestimony

---

From: Samuel St. John <samuel.stjohn@lejardinacademy.org>  
Sent: Tuesday, February 03, 2015 8:44 AM  
To: EEPttestimony  
Subject: Please Support House Bill 484

Late

Dear State Council,

As a senior at Le Jardin Academy, environmental concerns are high on my list of priorities. House Bill 484 would further incentivize the installation of solar power facilities in Hawaii. The promotion of renewable energy sources should be one of the state's foremost concerns as it would decrease our dependency on fossil fuels. I imagine that this in turn would make our economy more sustainable.

Thank you for your time,  
Samuel St John



## EEPttestimony

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From: Kira Middleton <kira.middleton@lejardinacademy.org>  
Sent: Tuesday, February 03, 2015 8:44 AM  
To: EEPttestimony  
Subject: Please Support House Bill 484

Late

Dear State Council,

As a student, I have recently realized that renewable energy is a topic that is raised in all of my classes, and so the prospect of stopping people from investing in solar panels is also regularly spoken about within the school community. Renewable energy is a long term solution to our global energy issues. Investing in sustainable energy for our future generations is an initiative that should be encouraged, not restricted. Please support this bill for the future of Hawaii.

Kira Middleton

## EEPttestimony

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From: Grayson Hastings <grayson.hastings@lejardinacademy.org>  
Sent: Tuesday, February 03, 2015 8:29 AM  
To: EEPttestimony  
Subject: Please support house bill 484

Late

Dear state council,

I am a senior at lejardin academy here in kailua. I believe that solar is very crucial to the environment in order to be able to get off oil. This is very important for the wellbeing of hawaii.

## EEPttestimony

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From: Leina'ala Medeiros <leinaala.medeiros@lejardinacademy.org>  
Sent: Tuesday, February 03, 2015 8:45 AM  
To: EEPttestimony  
Subject: Please support House Bill 484

Late

Aloha State Council,

My name is Leinaala Medeiros and I am a senior at Le Jardin Academy. We have been studying a lot about renewable energy and we have just become aware of this issue. Renewable energy sources such as solar power could have an enormous benefit on our community. I believe that you, as the elected government, should support House Bill 484. People of every community should be able to invest in solar panels because solar energy is a safe way of receiving energy without using un-renewable resources such as fossil fuels. Thank you for taking the time to read this email and I hope you support House Bill 484.

Mahalo,  
Leinaala Medeiros

EEPtestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Tuesday, February 03, 2015 6:43 AM  
To: EEPtestimony  
Cc: rfreitasjr@hotmail.com  
Subject: Submitted testimony for HB484 on Feb 3, 2015 08:30AM

**HB484**

Late

Submitted on: 2/3/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Robert Freitas Jr.	Individual	Support	No

Comments: I support this bill!!!

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## EEPttestimony

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From: Karen Murray <kmurray.testimony@gmail.com>  
Sent: Tuesday, February 03, 2015 12:10 AM  
To: EEPttestimony  
Subject: In support of HB 484

Late

In strong support of HB 484. We need the legislature to make community solar a priority, so that everyone has access to more solar power. The current electric utilities in Hawaii may stall the growth of solar in Hawaii for their own business considerations. Our legislators must step up to the plate and facilitate the growth of solar which is extremely compatible with Hawaii's climate. Please pass this bill."

## EEPttestimony

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From: Tatyana Cerullo <tc.law.llc@gmail.com>  
Sent: Monday, February 02, 2015 11:04 PM  
To: EEPtestimony  
Subject: I strongly support HB 484

Late

I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill.

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Best regards,

Tatyana E. Cerullo  
Attorney At Law  
TC LAW LLLC  
<http://www.marshallislandslawyers.com>  
<http://www.linkedin.com/in/tclawlllc>

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## EEPttestimony

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From: Souza, Taylor <tsouza016@lejardinacademy.org>  
Sent: Monday, February 02, 2015 10:17 PM  
To: EEPttestimony  
Cc: Christina Hoe  
Subject: Please support House Bill 484

Late

My name is Taylor Souza and I am a junior at Le Jardin Academy. Right now my family has voltaic and it's one of the best decisions we have ever made. Not only are we saving money which helps us to pay for education bills etc. we are also saving the planet by using renewable resources. Using renewable businesses will help cut down CO2 emissions and save the planet. By converting more people to photovoltaic, Hawaii will start to make a positive energy change and make our world so sustainable!

EEPttestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Tuesday, February 03, 2015 10:55 AM  
To: EEPttestimony  
Cc: juggler@aloha.net  
Subject: \*Submitted testimony for HB484 on Feb 3, 2015 08:30AM\*

Late

**HB484**

Submitted on: 2/3/2015

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

Submitted By	Organization	Testifier Position	Present at Hearing
Graham Ellis	Individual	Support	No

Comments:

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## EEPttestimony

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From: Chris Hurwitz <retail@whitesands.org>  
Sent: Tuesday, February 03, 2015 2:26 PM  
To: EEPttestimony  
Subject: I strongly support HB 484

Dear Representatives,

Late

I strongly support HB 484.

Not everyone has the ability or funds to install solar paneling where they live. Community solar is a solution that reduces our dependence on fossil fuels (currently burned for electricity) and promotes a cleaner, sustainable environment.

Please pass this bill.

Chris Hurwitz  
Oahu resident

## EEPttestimony

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From: Judy Mick <ppchawaii@yahoo.com>  
Sent: Tuesday, February 03, 2015 3:15 PM  
To: EEPttestimony  
Subject: HB 484

Late

Aloha- I support HB 484. Hawaii should be the leader in solar power. And our inclusive society in the islands means that we should support EVERYONE having access to this clean energy source whether or not they have the roof needed right over their head. Let's find a way to make it happen. Thank you for taking action. Aloha, Judy Mick, Kailua

EEPttestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Tuesday, February 03, 2015 1:23 PM  
To: EEPtestimony  
Cc: dan.marks99@gmail.com  
Subject: Submitted testimony for HB484 on Feb 3, 2015 08:30AM

**HB484**

Late

Submitted on: 2/3/2015

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Dan Marks	Individual	Oppose	No

Comments: The future of the grid is no grid, the future of the utility company is no company but a consumer & producer of electricity on site, or possibly shared among a neighborhood in a micro grid, as the bill acknowledges. Taxing everyone to build a larger grid is illogical and only supports an outdated power distribution model. Green power is good, let's be smarter about it.

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EEPttestimony

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From: marlin.schell@earthlink.net  
Sent: Tuesday, February 03, 2015 11:21 AM  
To: EEPttestimony  
Subject: HB 484

Late

As a low rise renter in Makiki I an unable to install solar to ofset my electric bill. I strongly support HB484 to create an infrastructure for community solar so as to reduce Hawaii's dependence on fossil fuel.

Sincerely

Marlin Schell

Sent from my BlackBerry® PlayBook™  
www.blackberry.com

## EEPttestimony

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From: KEANU96750@aol.com  
Sent: Wednesday, February 04, 2015 9:12 PM  
To: EEPttestimony  
Subject: HB484

Late

Dear Legislators,

"I strongly support HB 484. With each new solar panel, Hawaii gets cleaner and cheaper energy. But not everyone can put panels on their own roof. We need the legislature to make community solar a priority, so that everyone has access to more solar power. Please pass this bill."

Michael Cabilin Jr

## EEPtestimony

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From: Noel Kent <noelk@hawaii.edu>  
Sent: Tuesday, February 03, 2015 10:31 AM  
To: EEPtestimony  
Subject: HB484

Late

If our economy is to have a chance to thrive, we need to desperately reduce energy costs and become self sufficient. Bill 484 will help to do this by supporting installation of more solar panels. Please support this bill. Noel Kent Professor UH Manoa