

DAVID Y. IGE  
GOVERNOR

JOSH GREEN M.D.  
LIEUTENANT GOVERNOR



LINDA CHU TAKAYAMA  
DIRECTOR

DAMIEN A. ELEFANTE  
DEPUTY DIRECTOR

**STATE OF HAWAII  
DEPARTMENT OF TAXATION**

830 PUNCHBOWL STREET, ROOM 221

HONOLULU, HAWAII 96813

<http://tax.hawaii.gov/>

Phone: (808) 587-1540 / Fax: (808) 587-1560

Email: Tax.Directors.Office@hawaii.gov

To: The Honorable Nicole E. Lowen, Chair  
and Members of the House Committee on Energy & Environmental Protection

Date: Tuesday, March 12, 2019  
Time: 8:30 A.M.  
Place: Conference Room 325, State Capitol

From: Linda Chu Takayama, Director  
Department of Taxation

Re: S.B. 1163, S.D. 2, Relating to Renewable Energy

The Department of Taxation (Department) appreciates the intent of S.B. 1163, S.D. 2, but has concerns about its ability to administer the provisions of this bill and offers the following comments for the Committee's consideration.

S.B. 1163, S.D. 2, makes significant amendments to section 235-12.5, Hawaii Revised Statutes (HRS), which governs the Renewable Energy Technologies Income Tax Credit (RETITC). A summary of key provisions are as follows:

- Eliminates the term “renewable energy technologies” and recognizes three general categories of “systems” that are eligible for tax credits: solar energy systems, wind energy systems, and commercial sea water air conditioning systems;
- Further divides solar energy systems into systems used exclusively to heat water and systems that are used primarily to generate electricity;
- Changes the RETITC percentages (up to respective applicable cap amounts) as follows:
  - For each solar energy system used exclusively to heat water and first placed into service in the State by a taxpayer during the taxable year, 35% of the basis up to the following applicable cap amounts:
    - \$2,000 per system for single-family residential property;
    - \$700 per unit per system for multi-family residential property; and
    - \$225,000 per system for commercial property.
  - For each grid-connected solar energy system used primarily to generate electricity:
    - 35% of the basis for systems first placed in service after December 31, 2019, and before January 1, 2021;
    - 30% of the basis for systems first placed in service after December 31, 2020, and before January 1, 2022;
    - 25% of the basis for systems first placed in service after December 31,

- 2021, and before January 1, 2023;
- 20% of the basis for systems first placed in service after December 31, 2022, and before January 1, 2024;
- 15% of the basis for systems first placed in service after December 31, 2023, and before January 1, 2025;
- 10% of the basis for systems first placed in service after December 31, 2024, and before January 1, 2026; and
- 5% of the basis for systems first placed in service after December 31, 2025, and before January 1, 2027;
- Up to the following cap amounts:
  - (1) \$2,500 per system for single-family residential property; provided that if all or a portion of the system is used to fulfill the substitute renewable energy technology requirement pursuant to section 196-6.5(a)(3), the credit shall be reduced by twenty-five per cent of the basis or \$2,250, whichever is less;
  - (2) \$700 per unit per system for multi-family residential property;
  - (3) \$250,000 per system for commercial property; and
  - (4) \$750,000 per utility solar energy system procured by an electric utility under a power purchase agreement with an unregulated and unaffiliated independent power producer; provided that the ownership or power purchase agreement has been and approved by the public utilities commission;
- Provided that a grid-connected solar energy system with either (i) an executed customer service contract dated prior to June 30, 2018, that is installed and first placed in service before December 31, 2019; or with (ii) a power purchase agreement dated prior to December 31, 2019, that is first placed in service before December 31, 2024, shall receive thirty-five per cent of the basis for the grid-connected solar energy system, up to the cap amount of \$500,000 per solar energy system.
- For each grid-connected wind energy system, 20% of the basis up to the applicable cap amounts:
  - \$1,500 per system for single-family residential property; provided that if all or a portion of the system is used to fulfill the substitute renewable energy technology requirement pursuant to section 196-6.5(a)(3), the credit shall be reduced by 20% of the basis or \$1,500, whichever is less;
  - \$700 per unit per system for multi-family residential property; and
  - \$500,000 per system for commercial property;
- Provided that for a system which has an executed customer service contract dated prior to June 30, 2018 that is installed and first placed into service before December 31, 2019, or for a system which has a power purchase agreement dated prior to December 31, 2019 that is first placed into service before December 31, 2024, the percentage received shall be 30% of the basis for the wind energy system, up to the cap of \$500,000.
- For each commercial seawater air conditioning system, 20% of the basis of connecting the commercial seawater air conditioning system to the seawater district cooling system, up to a cap amount of \$100,000.

- Provides that multiple owners of a single system shall be entitled to a single tax credit, apportioned between the owners in proportion to their contributions to the cost;
- For partnerships, S corporations, estates, and trusts, allows the credit for every eligible system that is installed and placed in service in the State by the entity, with costs determined at the entity level and the distribution and share of credit determined pursuant to section 704(b) of the Internal Revenue Code (IRC);
- Defines “basis” as costs related to the solar energy, wind energy, or commercial seawater air conditioning system, including accessories, energy storage, installation, cost of construction to connect to a seawater air conditioning district cooling system, costs incurred for the physical support of the system, such as racking and mounting equipment, and costs incurred to seal or otherwise return a roof to its pre-installation condition; but not including the cost of unrelated consumer incentive premiums, costs for which another tax credit is claimed, or ancillary repair or construction costs incurred in conjunction with installing the system, such as re-roofing a property;
- States that the use of “basis” in the statute shall be consistent with use of “basis” in section 25D or section 48 of the IRC;
- Defines "commercial seawater air conditioning system" as a building air conditioning system for commercial, office, or residential buildings connected to a seawater air conditioning district cooling system;
- Defines “grid-connected” as meaning that the individual or corporate taxpayer has obtained an approved interconnection agreement from an electric utility for the solar or wind energy system and the system is connected and normally operated in parallel with the electric grid;
- Defines “seawater air conditioning district cooling system” as an identifiable facility, equipment, apparatus, or the like that utilizes naturally occurring cold, deep seawater as its primary source of cooling for production of chilled water for distribution to multiple commercial air conditioning systems;
- States that "first placed in service" has the same meaning as in 26 C.F.R. § 1.167(a)-11(e)(1);
- Adds language to the definition of "solar or wind energy system" to provide that the construction, reconstruction, or erection of the system be completed by the taxpayer, or that the system is "acquired" by the taxpayer if the original use of the system commences with the taxpayer;
- Sets the total output capacity requirements of solar and wind energy systems as such:
  - For a single-family residential property, at least five kilowatt hours per system;
  - For a multi-family residential property, at least 0.360 kilowatts per unit per system;
  - For a commercial property, at least one thousand kilowatts per system;
  - For a utility solar energy system, at least one thousand kilowatts per system; and
  - For a wind energy system for commercial property, at least one thousand kilowatts per system.
- Allows a taxpayer to reduce by 30% the eligible credit amount for solar energy, wind energy, or commercial seawater air conditioning systems and make the credit refundable if the reduced amount exceeds the amount of income tax payment due from the taxpayer, if taxpayer elects to do so on the taxpayer's return for the taxable year during which the system was installed and placed into service;

- Allows the credit to be refundable for any solar energy, wind energy, or commercial seawater air conditioning system, without discount, if all of the taxpayer's income is from pensions and exempt from taxation under sections 235-7(a)(2) or (3), HRS, or if the taxpayer's adjusted gross income is \$20,000 or less (or \$40,000 or less if married filing jointly);
- Allows a separate election or non-election of refundability for each separate solar energy, wind energy, or commercial seawater air conditioning system that generates a credit;
- Disallows the credit for the portion of the renewable energy technology system required by section 196-6.5 that is installed and first placed into service on any newly constructed single-family residential property authorized a building permit issued on or after January 1, 2010;
- States that the credit shall be construed in accordance with federal regulations and judicial interpretations of similar provisions in sections 25D, 45, and 48 of the IRC;
- Allows for planned community associations, condominium associations, and cooperative housing corporations to claim the credit in its own name for systems placed into service and located on common areas;
- Prohibits the credit from being allowed to any government agency or instrumentality;
- Terminates authorization of the credit for taxable years ending after December 31, 2026; and
- Effective July 1, 2050, with applicability to taxable years beginning after December 31, 2019.

The Senate Committee on Ways and Means made several changes to the previous version of this measure, including:

- Changing the applicable cap amounts of the tax credits;
- Removing the separate cap amount for multi-family residential property classified as low-income housing, affordable housing, or senior housing;
- Providing that a utility solar energy system is eligible for a credit only if it is owned or procured by an electric utility under a power purchase agreement with an unregulated and unaffiliated independent power producer; provided that the ownership or power purchase agreement has been approved by the Public Utilities Commission;
- Amending the definition of "grid-connected" to apply to wind energy systems as well as to solar energy systems;
- Requiring a solar or wind energy system to meet a total output capacity requirement to qualify for a tax credit; and
- Defecting the effective date to July 1, 2050.

First, the Department notes that the term "system," which is not defined in Hawaii income tax law, has caused much confusion and uncertainty for taxpayers and industry participants and has resulted in a much larger than anticipated number of RETITC claims and revenue lost. The ambiguity in the statute was ultimately addressed by the Department's enactment of administrative rules pertaining to the RETITC in November of 2012. (See sections 18-235-12.5-01 through 18-235-12.5-06, Hawaii Administrative Rules).

The Department notes that the addition of the new category of “commercial seawater air conditioning systems,” without a more detailed definition or guidelines for required energy capacity or output, may create new uncertainty for taxpayers and industry. The Department strongly suggests that the measure be amended to include definitions and provisions that will provide sufficient guidance to administer the RETITC without the need for administrative rules. Without sufficient clarity, this tax credit could result in larger than expected revenue losses, as seen previously with the RETITC.

If the intent of the Legislature is to make Hawaii's tax credit more similar to the federal tax credit, the Department suggests simply allowing taxpayers to claim a credit equal to a percentage of the federal tax credit available for renewable energy property, without applying a cap. As explained above, the caps have caused confusion for taxpayers and administrative difficulty for the Department, resulting in unintended revenue losses for the State.

Second, the Department notes that the tax credit in this measure is refundable in certain circumstances. As a general matter, the Department prefers nonrefundable credits because refundable credits create a higher potential for improper claims and abuse. The Department therefore recommends that this credit be made non-refundable.

Third, the Department notes that a government agency is only deemed to be a taxpayer for employment tax (wage withholding) purposes. As such, subsection (l), which prohibits a government from claiming the credit, is not necessary.

Finally, as long as the measure is made applicable to taxable years beginning after December 31, 2019, the Department will have sufficient time to make the necessary form, instruction, and computer system changes.

Thank you for the opportunity to provide comments.

**SB-1163-SD-2**

Submitted on: 3/10/2019 3:18:42 PM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Paul Spencer	Sun King Inc.	Oppose	No

Comments:

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

While most other states are increasing incentives for renewable energy, **WHY IN THE WORLD WOULD**

**HAWAII BE REDUCING THEM?**

This will punish the medium income residents who do their best to reduce energy costs.

It will also eliminate most good paying jobs from our staff. Many that have been employed by Sun King for over 25 years.

Please revisit a previous study:

[The Economic and Fiscal Effects of Hawaii's Solar Tax Credit](#)

Thomas A. Loudat, Ph.D., Blue Planet Foundation, January 2013

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

Yours Truly,

Paul Spencer

**SB-1163-SD-2**

Submitted on: 3/10/2019 4:11:28 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
PAUL OREM	Photonworks Engineering LLP	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.



This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

As a business owner we need the tax credit to continue to provide gainful employment to our workforce of over 60 people. Cutting the tax credits would without a doubt lead to a reduction in workforce and eliminate plans for future expansion. The federal tax credit already starts to ramp down next year and we will have problems meeting Hawaii's renewable energy mandate without the continued incentives. Please do the right thing and leave the current tax credits alone.

Mahalo Paul Orem



GRAND SOLAR, INC.  
4882-4 Kilauea Ave.  
Honolulu, Hawaii 96816 USA  
V: (808) 737-3536 / F: (808) 737-3536

**John Grandinetti**  
Grand Solar Inc.  
4882-4 Kilauea Ave.  
Honolulu, Hawaii 96816  
Tel: (808) 737-3536  
[www.grandsolarinc.com](http://www.grandsolarinc.com)

**Testimony of John Grandinetti**  
**President of**  
**Grand Solar Inc.**  
**e-mail: [grandsolar808@gmail.com](mailto:grandsolar808@gmail.com)**

**In STRONG OPPOSITION of SB 1163 SD2 RELATING TO ROOFTOP SOLAR INSTALLATION**

**Before the**

**COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION**

**Rep. Nicole E. Lowen, Chair Rep. Tina Wildberger, Vice Chair**

**Tuesday, March 12, 2019; 8:30 AM**

**Conference Room 325 State Capitol 415 South Beretania Street**

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

My name is Alan Lennard. I am the Managing director of Green Power Projects LLC. Green Power Projects LLC is a Solar project facilitation company working towards 100% Renewable Energy capacity in Hawaii. Our vision is a Hawaiian energy economy based 100% on renewable sources indigenous to Hawaii.

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its *actually cheaper* for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

*John Grandinetti* – dig signature

John Grandinetti  
President, Grand Solar Inc.  
4882-4 Kilauea Ave.  
Honolulu, Hawaii 96816  
Tel: (808) 737-3536  
[grandsolar808@gmail.com](mailto:grandsolar808@gmail.com)



**Laurence Ponce**  
Solar Services Hawaii LLP  
98-121 Kihale Pl  
Aiea, HI 96701  
License(s) #C-26234 & #C-26354  
(808) 721-3585

**Testimony of Laurence Ponce**  
**RME of Solar Services Hawaii**  
e-mail: solar.services.hi.testimony@gmail.com

**In STRONG OPPOSITION of SB 1163 SD2 RELATING TO ROOFTOP SOLAR INSTALLATION**

Before the

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Rep. Nicole E. Lowen, Chair Rep. Tina Wildberger, Vice Chair

Tuesday, March 12, 2019; 8:30 AM  
Conference Room 325 State Capitol 415 South Beretania Street

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

My name is Alan Lennard. I am the Managing director of Green Power Projects LLC. Green Power Projects LLC is a Solar project facilitation company working towards 100% Renewable Energy capacity in Hawaii. Our vision is a Hawaiian energy economy based 100% on renewable sources indigenous to Hawaii.

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its *actually cheaper* for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

*Laurence Ponce* – dig signature

Laurence Ponce  
Solar Services Hawaii LLP  
98-121 Kihale Pl., Aiea, HI 96701  
(808) 721-3585  
solar.services.hi.testimony@gmail.com

**SB-1163-SD-2**

Submitted on: 3/10/2019 9:37:49 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Ben McCormick	CED Greentech - Hawaii	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**.. At CED Greentech, we have added 5 local jobs in the last 18 months. We plan to hire at least 4-8 more positions in the next 12 months as we expand on Oahu and Maui. This bill will curtail that growth. The only way we see this as feasible is if there is a substantial increase in the tax credits for energy storage which this bill does not do. As it stands, this measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

Sincerely,

Ben McCormick

Manager - CED Greentech Hawaii

**SB-1163-SD-2**

Submitted on: 3/11/2019 6:29:32 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Itai Rasmussen	Photonworks Engineering	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price

of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

**SB-1163-SD-2**

Submitted on: 3/11/2019 10:40:19 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Erica Dahl	Vivint Solar	Oppose	No

Comments:

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

**We STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While



smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy.

Erica Dahl

VP, Government Affairs

Vivint Solar

**SB-1163-SD-2**

Submitted on: 3/11/2019 9:18:52 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Miles	Alternate Energy Inc	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single

day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

**SB-1163-SD-2**

Submitted on: 3/11/2019 8:58:05 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Chris DeBone	Hawaii Energy Connection, LLC	Oppose	No

Comments:

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

On behalf of the 50+ employees of Hawaii Energy Connection, LLC (aka; KumuKit Solar Electricity) **I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

**SB-1163-SD-2**

Submitted on: 3/11/2019 9:58:31 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Tyler Roberts	Photo works Engineering	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price

of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

**SB-1163-SD-2**

Submitted on: 3/10/2019 4:28:40 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Stephen Gates	Neighborhood GP, LLC	Oppose	Yes

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While



smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

Stephen Gates



Green Power Projects LLC  
Alan Lennard, Managing Director  
P.O. Box 818  
Haleiwa, HI 96712  
T 808.381-3447 F 808.381-0547  
E. alan.lennard@greenpowerprojects.com

**Alan Lennard**  
P.O. Box 818  
Haleiwa, Hawaii 96712-0818  
Tel: (808) 381-3447  
www.greenpowerprojects.com

**Testimony of Alan Lennard**  
Managing Director of Green Power Projects LLC  
e-mail: [alan.lennard@greenpowerprojects.com](mailto:alan.lennard@greenpowerprojects.com)

**In STRONG OPPOSITION of SB 1163 SD2 RELATING TO ROOFTOP SOLAR INSTALLATION**

**Before the**

**COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION**

**Rep. Nicole E. Lowen, Chair Rep. Tina Wildberger, Vice Chair**

**Tuesday, March 12, 2019; 8:30 AM**  
**Conference Room 325 State Capitol 415 South Beretania Street**

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

My name is Alan Lennard. I am the Managing director of Green Power Projects LLC. Green Power Projects LLC is a Solar project facilitation company working towards 100% Renewable Energy capacity in Hawaii. Our vision is a Hawaiian energy economy based 100% on renewable sources indigenous to Hawaii.

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 [Thomas A. Loudat & Prahlad Kasturi, 2017. "The Economic and Fiscal Impacts of Hawaii's Solar Tax Credit," International Journal of Energy Economics and Policy, Econjournals, vol. 7(1), pages 224-252] about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its *actually cheaper* for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

*Alan Lennard - dig signature*

Alan Lennard  
Managing Director  
Green Power Projects LLC  
P.O. Box 818  
Haleiwa, HI 96712-0818



## **TESTIMONY OPPOSING SB 1163 SD2**

**being heard by the House Committee on Energy and Environmental Protection  
on March 12, 2019 at 8:30 AM**

**Conference Room 325**

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

Tesla appreciates the opportunity to submit this testimony in opposition to SB 1163 SD2. Although Tesla supported the original version of the bill, the bill has been amended in a manner that compels us to strongly oppose the current draft. By eliminating the tax credit for storage and dramatically reducing the value of the tax credit for solar, the bill threatens to disrupt an industry that employs thousands of people in meaningful work advancing key State policy goals including the State's efforts to transition to 100% renewable energy by 2045, and to improve the resiliency of Hawaii's energy system.

Tesla's mission is to accelerate the world's transition to sustainable energy through the widespread adoption of electric vehicles and the deployment of sustainable energy solutions like storage and solar. As the penetration of variable renewable resources, most notably solar, has increased in the state, it is appropriate to take steps to actively support the deployment of energy storage technologies recognizing the essential role this technology plays in integrating renewable energy onto the electricity grid. Energy storage effectively transforms an "as-available" resource, i.e. one that produces energy based on when the wind blows or sun shines, into a resource that can be dispatched based on the needs of the energy system.

Energy storage can also benefit the grid in a number of other ways. Leveraged through well-designed programs, energy storage offers the potential to significantly improve grid resiliency and efficiency and can serve as an alternative to costly investments in distribution and transmission infrastructure by storing and delivering power in transmission or distribution-constrained areas during times of grid congestion.

When initially introduced, SB 1163 sought to expand the clean energy technologies supported by the tax credit to include energy storage. To mitigate any incremental budgetary impacts this expanded eligibility might engender, the bill also proposed to reduce the tax credit rate over time, such that the rate would decline from the current 35% rate to 15% over a six-year period. While one could quibble with the specific percentages and annual declines in the tax credit rate, from a policy standpoint, Tesla strongly supported this basic structure, recognizing the increasing importance of energy storage in achieving Hawaii's long-term vision of a carbon-free, sustainable and resilient energy system, while at the same time embracing the basic notion of gradualism so as not to pull the rug out from under the solar industry.



As it now stands, this measure does not include a standalone storage tax credit, something that Tesla understood had been the primary focus of the bill as introduced. It also accelerates the ramp down in the tax credit rate for the set of currently eligible technologies, including solar. Even more problematic is the proposed halving of the per-system cap that solar systems are eligible to receive. For residential solar systems, the cap would be reduced from \$5000 per system to \$2000. For a typical residential system, and assuming a generic installed cost of solar at approximately \$4 per watt, the current caps are already largely binding and yield an effective tax credit rate of approximately 28%. The proposed reduction in the per system caps would immediately reduce this to 17%. From the perspective of the customer, this is the equivalent of increasing the costs of a solar system by approximately \$3500.<sup>1</sup> These adverse changes will unquestionably reduce demand for solar and, with no offsetting benefit in terms of providing support for storage, threaten to do irreparable harm to the solar industry and the people it employs. A similar conclusion would apply to commercial solar systems under the SD2 amendments. It would also represent a setback to Hawaii's efforts to eliminate the state's reliance on fossil fuels.

SB 1163 SD2 also includes a number of additional amendments that will further limit access to the solar tax credit. By conditioning eligibility on systems being grid-connected, the bill marginalizes those living in remote locations or other circumstances where connection to the grid may be cost-prohibitive or impractical. By effectively increasing the cost of a solar system deployed in this context, this policy change would appear to drive more customers toward other forms of generation to meet their needs, including diesel or other types of fossil-fuel based generation resources. This presumably unintended consequence is directly contrary to the State's efforts to dramatically reduce its reliance on imported fossil fuels and improve energy security.

Furthermore, by requiring that projects meet a certain capacity threshold in order to qualify for the credit, the bill arbitrarily discriminates against customers whose energy needs do not fit squarely within the prescriptive requirements of the bill. For example, the bill would require a commercial system to be at least 1000 kW in size to qualify for the credit. Many commercial entities may not have a need for a system of that scale and yet, on this basis alone, they would be ineligible to receive the tax credit. Alternatively, some customers might develop larger systems than they actually need, simply to meet the statutory threshold to get the tax credit. This discriminatory treatment has no discernible policy

---

<sup>1</sup> As implemented by the Department of Taxation, a 7.5 kW system would receive two tax credits. The first tax credit, associated with the first 5 kW of the project, considered one full system by the DoTax, would be the lesser of \$5000 or 35% of the cost basis. Assuming \$4/watt the cost basis would be \$20,000 (\$4/watt \* 5000 watts), the cap would be binding. The first 5 kW would therefore receive \$5000 in tax credit value. The second tax credit, associated with the remaining 2.5 kW of the project, considered a partial system, would receive \$3500 (35% \* \$4/watt \* 2500 watts). In the case of the second partial system, the cap is not binding and the project would receive the full 35% of the cost basis. Thus, the project as a whole would receive \$8500 in tax credit value, equal to 28% of the total project cost of \$30,000. If the caps are halved as proposed, the cap would be binding for both the full and partial system and yield a credit value of \$5000, or 17% of the project cost.



rationale and arbitrarily places the legislature's thumbs on the scale in favor of larger energy users and projects.

For the many foregoing reasons, Tesla is strongly opposed to SB 1163 SD2 and asks the Committee to defer this measure. At a minimum, such dramatic cuts to a key state clean energy program should not be pursued in the absence of a comprehensive evaluation of the implications on solar development, jobs and the State's clean energy goals.

Thank you for the opportunity to submit this testimony.

**SB-1163-SD-2**

Submitted on: 3/11/2019 11:27:21 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Jerald Arrington	Photonworks Engineering	Oppose	No

Comments:

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

**SB-1163-SD-2**

Submitted on: 3/11/2019 11:21:12 AM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jill White	Affordable Solar Contracting	Oppose	No

Comments:

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

We have been serving the island of Oahu since 1993 and we strongly oppose SB1163 SD2.

**We** ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course



Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

Douglas & Jill White

Affordable Solar Contracting #20674

623-1115



MAUI  
(808) 871-5027

OAHU  
(808) 599-7793

KAUAI  
(808) 245-6570

March 11, 2019

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

*Lyn Spencer*

**SUN KING INC**

POB 330879, Kahului, HI 96733-0879

Toll Free: 1-877-786-5464

Maui: 808-871-9721

Oahu: 808-599-7793

Kauai: 808-245-6570

[frontdesk@sunkinghawaii.biz](mailto:frontdesk@sunkinghawaii.biz)



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

**TESTIMONY OF THE HAWAII SOLAR ENERGY ASSOCIATION  
IN REGARD TO SB 1163 SD2, RELATING TO RENEWABLE ENERGY  
BEFORE THE  
HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION  
ON  
TUESDAY, MARCH 12, 2019**

Chair Lowen, Vice-Chair Wildberger, and members of the committee, my name is Will Giese, and I am the Executive Director of the Hawaii Solar Energy Association, Inc. (HSEA).

The HSEA was founded in 1977 to further solar energy and related arts, sciences and technologies with concern for the ecologic, social and economic fabric of the Hawaiian Islands. Our membership includes the vast majority of locally owned and operated solar installers, contractors, distributors, manufacturers, and inspectors across all islands.

**HSEA OPPOSES SB1163 SD2.** This measure replaces the current renewable energy technology systems tax credit with tax credits for solar or wind energy systems and energy storage systems. Applies to taxable years beginning after 12/31/2019.

The HSEA has generally been in favor of tax credits for energy storage and renewable energy systems as a way for the state to direct customer behavior towards it's renewable energy goals. This has been successful, and Hawaii enjoys one of the highest amounts of renewable energy installed per capita than any other state.

This particular measure, however, has been deliberated and debated for almost ten years in some form or another. There appears to be no broad consensus on what exactly an energy storage tax credit might look like by either this legislative body, the state agencies responsible for administering it, or the industry and consumers who will benefit from it directly. To date, the HSEA has not seen any significant change in these varying perspectives that suggest a different outcome this legislative session.

This ongoing debate has noticeable impacts on the industry. There was a drop in installed and permitted systems in the months during the back and forth about a similar tax credit measure in prior years. Solar developers sometimes are forced to return to the negotiating table on projects that have a longer development cycle than the legislative session as it is often unclear what changes will occur that alter the financing of projects. This has the unintended effect of slowing Hawaii's progress towards 100% renewable by 2045.

Additionally, the federal solar investment tax credit will be step down for residential and commercial projects at the end of 2019. This step down is already creating some uncertainty in the market. Further complicating this by introducing this particular step-



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

down structure which will in all likelihood not be passed in its current form, if at all, by the end of the 2019 session would likely further stress a market that craves stability.

To reiterate above, the HSEA supports a tax credit for energy storage systems but we recommend that one of the following changes be made to this particular bill in light of the circumstances above:

1. **The legislature defer this measure** until next year in order to determine the impacts of the federal tax credit step down on the market, and allow time for the industry and consumers to reexamine the implications of this particular bill.
2. Leave the existing renewable tax credit alone and create a **stand-alone energy storage tax credit** with a step down structure, geared towards serving lower and middle income consumers.

The recent amendments in the SD1 draft of this bill further detract from its purpose. Tax credits are a tool, and under the current language this bill would slow state's progress towards 100% renewable. By cutting the single housing tax credit in half, the legislature has effectively gutted any ability that this bill might have to serve low and middle income communities.

Current interconnect DER systems in almost all cases require a storage system, thus the overall cost of a system is higher in Hawaii than in other states. Furthermore, over half of the installed systems in this state are done so through leasing and PPA models, thus the DoTax data on claimed tax credits (which is two years lagging) does not reflect the market penetration into LMI areas and the legislature, which assumes that this credit serves only higher income folks, is incorrect.

If the legislature wishes to serve more LMI communities by restructuring this measure to skew greater benefit towards these communities, than we welcome those future amendments and would be happy to offer any assistance in the matter. The current language as drafted, however, does not accomplish this.

The HSEA **OPPOSES SB 1163 SD2**, and we ask the legislature to defer this measure unless one of the above actions are taken.

Thank you for the opportunity to testify.



## SENATE COMMITTEE ON WAYS AND MEANS

March 12, 2019, 8:30 A.M.  
(*Testimony is 3 pages long*)

### TESTIMONY IN OPPOSITION TO SB 1163 SD2

Aloha Chair Lowen and Members of the Committee:

The Alliance for Solar Choice (TASC) strongly opposes SB 1163 SD2. This bill would cut most of caps to the existing renewable energy tax credit in half starting next year, causing a major disruption to an industry already dealing with turmoil.<sup>1</sup> Furthermore, this measure increases impacts to the state budget by expanding the amount of tax credit available to utility-scale developers and creates an entirely new credit for developers of commercial seawater air conditioning systems. Finally, it restricts the tax credit to customers who are customers of the major electric utilities, thus treating customers without electric service in a discriminatory fashion.

A key driver in Hawaii's transformation to 100% clean energy is the availability of financing. Hawaii's renewable energy income tax credit is an important factor in the ability of residents to achieve their goals to produce clean, renewable energy through the installation of a rooftop solar and storage system, and, at the same time, to benefit financially by reducing their electric bills for dirty, fossil-fuel generated energy.

**Rooftop solar benefits all Hawaii residents.** Over the past several years, the availability of financing has allowed low to moderate income residents to install rooftop solar from Aiea to Wahiawa. This is no longer a transition just benefitting a small number of people: ***over one in three homes in Hawaii now has rooftop solar.*** It has become ubiquitous. Further, rooftop solar has helped Hawaii save billions of dollars by reducing the amount of dirty fossil-fuels imported into the state, money which can be reinvested in Hawaii's local economy.

While the renewable energy tax credit could be weaned down over time, such a reduction must be coordinated with Hawaii's clean energy goals and be fair to the

---

<sup>1</sup> This would compound the 22% reduction in Hawaii solar jobs that occurred in 2017 and a similar reduction that occurred in 2016, due to the elimination of net energy metering in Hawaii. If this bill moves forward, TASC specifically recommends restoring the existing caps that were amended on page 9 and 10, so as to avoid significant market disruption and a loss of confidence in Hawaii's clean energy commitment.

remaining residents who haven't had a chance yet to adopt rooftop solar. The goals of the renewable energy tax credit haven't really changed:

Hawaii's dependence on petroleum for about ninety per cent of its energy needs is more than any other state in the nation. This makes the State extremely vulnerable to any oil embargo, supply disruption, international market dysfunction, and many other factors beyond the control of the State. Furthermore, the continued consumption of conventional petroleum fuel negatively impacts the environment. At the same time, Hawaii has among the most abundant renewable energy resources in the world, in the form of solar, geothermal, wind, biomass, and ocean energy assets.

Act 240 (2006). Further "increased . . . use of renewable energy resources would increase Hawaii's energy self-sufficiency, achieving broad societal benefits, including increased energy security, resistance to increases in oil prices, environmental sustainability, economic development, and job creation." *Id.*

**Hawaii residents strongly support more rooftop solar.** A 2015 SMS poll demonstrated that 77% of Hawaii residents "strongly support" and 20% "somewhat support" more rooftop solar in Hawaii. Only 1 per cent "somewhat oppose" and no one polled "strongly opposed" more rooftop solar. Few issues have ever resulted in such an unanimous concurrence among Hawaii residents.

Sudden changes and general uncertainty about the the renewable energy tax credit has a direct and adverse impact on the solar industry. To the extent installations take at least 4-6 months, changes that occur within six months can have an immediate and adverse impact on the solar industry and residents ability to choose cleaner energy. Here, slashing the primary restraint — the existing cap on the renewable energy income tax credit — in half, will have an immediate impact the ability of residents to choose cleaner energy and the price of such systems.

**This bill reduces federal assistance towards Hawaii's clean energy goals.** The federal income tax credit is scheduled to step down at the end of this year,<sup>2</sup> thus meaning (1) there will already be a significant reduction in the incentive to solar adoption and (2) the instant bill would reduce the amount of federal money flowing into Hawaii by simultaneously reducing state assistance (the total net incentive is significantly lower). Any action that slows clean energy adoption — such as an unreasonable slashing of the the cap — is averse to Hawaii residents. Assuming we will achieve our 100% clean energy goals, this bill means it will be solely borne by Hawaii residents and not supported as much with federal money.

---

<sup>2</sup> See, e.g., <https://www.energy.gov/savings/residential-renewable-energy-tax-credit>

TASC welcomes a discussion about the future of Hawaii's solar tax credit. Nonetheless, in light of the federal income tax credit step down, this is not an ideal year for that discussion. We suggest deferring this matter until next year.

Mahalo for the opportunity to testify.

**SB-1163-SD-2**

Submitted on: 3/11/2019 2:21:58 PM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Brian Gold	Inter-Island Solar Supply	Oppose	No

Comments:



**Clearway Energy Group**  
100 California Street, Floor 4  
San Francisco, CA 94111

clearwayenergygroup.com



March 12, 2019

Via Electronic Submittal

**Committee on Energy and Environmental Protection**

Rep. Nicole Lowen, Chair

Rep. Tina Wildberger, Vice Chair

Tuesday, March 12, 2019

8:30 am

State Capitol, Room 325

Nicola Park

Origination Manager, Clearway Energy Group

In support of SB1163

Relating to Renewable Energy

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

Clearway Energy Group (Clearway) supports SB1163 in its current form. Clearway is one of the largest clean energy companies in the United States. On Oahu, Clearway has constructed three utility scale solar projects that are in the final stages of commissioning. Additionally, Clearway has two utility scale solar projects in development that recently executed 20-year Power Purchase Agreements (PPAs) with Hawaiian Electric. The two projects – Waiawa Solar Power and Mililani I Solar – incorporate battery storage that will provide flexibility and resiliency to the electric grid by storing solar energy during the day and discharging it during the evening peak. These projects rely upon retaining eligibility for the State Tax Credit under current law.

*Tax Credit Eligibility for Projects with Signed Power Purchase Agreements*

Clearway supports the provisions of SB 1163 that extend eligibility for the State Tax Credit under current law to projects that have a power purchase agreement dated prior to December 31, 2019, and are placed in service by December 31, 2024. As part of the

competitive bidding process with Hawaiian Electric, Clearway and other bidders were required to pursue all available State and Federal tax credits and pass the full benefit of such tax credits through to ratepayers in the PPA price. Bidders were also required to assume eligibility for the State Tax Credit as it exists today, rather than assuming any change in law. The competitive power prices that Clearway was able to offer for our newly awarded projects were based on this assumption of taking the State tax credit under current law. The benefit of the tax credit flows through to Oahu ratepayers, since they will receive solar energy at a significantly reduced price with the incorporation of the State tax credit.

Importantly, Clearway will not be able to apply for the refund to receive this credit until after the projects are commercially operational, which is projected to occur in late 2021. This means the credits would be taken on tax returns filed in early 2022. As a result, these projects would be at risk for any change in law that might reduce the value of the credit between now and 2022. In order to secure financing and construct the projects, Clearway and other independent power producers need certainty that the projects will be eligible for the tax credit under the current law.

For that reason, it is important that any change in law provides projects like ours with the option of receiving the tax credit as it exists today. We appreciate that the current bill includes language to this effect.

#### *Technical Revisions to Definitions*

Currently, businesses receiving the tax credit for renewable energy systems on commercial property must rely on guidance issued by the Department of Taxation (DOTAX) that clarifies how the credit is calculated. Clearway supports the language which has been added to the bill which lends greater clarity to the definition of a "system," including specifying that for utility scale projects, a system is defined as at least 1,000 kW dc in generating capacity. Clearway agrees with the testimony provided by DOTAX that the statute would benefit from including clear definitions of all relevant terms to create certainty regarding the calculation of the credit and eliminate reliance on administrative DOTAX rules going forward.

Clearway supports the bill, particularly these elements that provide much-needed certainty for projects under development today, and does not suggest any specific revisions at this time. We are available to answer any questions you might have on our testimony.



Honolulu Seawater Air Conditioning, LLC  
1132 Bishop Street, Suite 1410  
Honolulu, Hawaii 96813

Tel 808.531.7922  
Fax 808.531.7923  
www.honoluluswac.com

Testimony on  
**S.B. 1163, S.D. 2**  
**RELATING TO RENEWABLE ENERGY TAX CREDITS**  
Before the  
House of Representatives  
COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION  
Tuesday, March 12, 2019  
By  
Eric Masutomi, CEO and President  
Honolulu Seawater Air Conditioning, LLC

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

Honolulu Seawater Air Conditioning (HSWAC) strongly supports this measure which, among other changes, would provide for a renewable energy income tax credit for building owners connecting to a seawater air conditioning district cooling system.

The significance of seawater as a renewable energy resource cannot be overstated. HSWAC's Downtown Honolulu District Cooling System, alone, is the largest energy efficiency project to be undertaken in the State. When it begins operation, HSWAC's district cooling system will eliminate the need for 178,000 barrels of oil per year, saving enough electricity to power more than 10,000 homes annually.

The system is uniquely suited to our island environment. It draws on the natural coldness of our abundant deep ocean waters, rather than imported fossil fuels, to cool Honolulu's business and civic center. Our surrounding deep ocean waters: a sustainable, renewable, natural cooling resource.

Deepwater district cooling systems have been successfully implemented in numerous localities throughout the U.S., Canada and Europe. Despite this proven record of success, our experience has shown that when district energy systems such as that being developed by HSWAC are introduced in a community, potential customers are frequently wary about the costs of converting to the new system, the risk of higher costs in the initial years of operation and the uncertainties of adapting to a new system. As in the case of solar and wind technology, the availability of such credits has proven effective in not only ameliorating such concerns, but in accelerating the State's transition to a renewable energy future.

Such credits will assist potential customers of seawater air conditioning district cooling systems in making the critical decision to eliminate existing inefficient cooling systems (currently responsible for more than forty percent of a building's electricity consumption) in favor of utilizing a district cooling system that takes advantage Hawaii's surrounding ocean waters. With the potential to reduce electricity consumption used for air conditioning by up to 75%, this technology promises to significantly contribute to the State's sustainability objectives and reduce our dependence on imported fossil fuels.

Discounting the substantial energy and environmental benefits associated with seawater cooling, from a cost-benefit standpoint, the seawater cooling system credits that might be allowed are modest when weighed against the projected economic benefits, including: a) over \$300 million in construction spending, b) 1,348 construction-related jobs, and c) over \$55 million in net increase in State revenues over 25 years from GET and income taxes.<sup>1</sup> In addition, it would create long-term employment opportunities and

establish the State as a leading authority on the development and installation of seawater air conditioning systems throughout the Asia-Pacific region. Other local economic benefits would accrue from money that stays in Hawaii and is not exported outside the State to purchase oil.

The State Legislature should be applauded for its foresight in the establishing these renewable energy tax credits to promote Hawaii's transition to a clean energy future. Expanding the eligibility of the credits to users of seawater cooling technology, as provided in this measure, will bring us measurably closer to achieving this objective.

---

<sup>i</sup> Source: [Analysis of Honolulu Seawater Air Conditioning Economic Benefits](#), John M. Knox and Associates Inc., February 15, 2017.



Renewable Energy.  
Sustainable Development.

March 12, 2019

**RE: Support Position - SB 1163**

Honorable Chair Lowen and Vicechair Wildberger:

Innergex Renewables USA LLC (Innergex) supports SB 1163 as written. Innergex is a leading global independent renewable power producer. We develop, acquire, own and operate utility scale hydroelectric facilities, wind farms, solar farms and geothermal power generation plants.

Our mission is to increase our production of renewable energy by developing and operating high quality projects while respecting the environment and balancing the best interests of host communities, partners and investors. Our approach for building shareholder value is to generate sustainable cash flows, provide an attractive risk-adjusted return on invested capital and to distribute a stable dividend.

Hawaiian Electric's 2018 Request for Proposals for Variable Renewable Dispatchable Generation was a competitive solicitation that would require bidders to pass all Federal and State tax incentives of the projects through to HECO's ratepayers. Innergex submitted the Hale Kuawehi Solar Project into the Hawaii Electric Light Company (HELCO) process and the Paeahu Solar Project into the Maui Electric Company (MECO) process. Power Purchase Agreements were executed for both projects with HELCO and MECO respectively on December 27, 2018 and are now being reviewed by the Public Utilities Commission (PUC) for approval. Our proposed solar plus battery storage projects in Hawaii would capture the renewable energy of the sun to generate electricity and store it for when it is most needed.

Innergex structured its proposals based on current law. The projects, as structured, will provide ratepayers with these benefits. Changing the financial considerations after a competitive bidding process creates uncertainty to project sponsors, investors, and financiers. Year after year legislative initiatives modifying the State Tax Credit places significant uncertainty into the market.

To achieve the ambitious goals of the state's 100% renewable energy mandate, we strongly encourage the legislature to send a message of commitment to execution of renewable energy projects. By creating clarity in the definition of system and leaving the State Tax Credit as is, the legislature provides certainty to project stakeholders for initial and future RFPs.

Page 2 of 2

The provisions we support in SB 1163 are:

1. Extension of eligibility for existing State Tax Credit for projects with power purchase agreements dated prior to December 31, 2019 and placed in service by December 31, 2024.
2. Codification of guidance issued by the Department of Taxation (DOTAX) that clarifies how the word "system" is defined. Specifically, "system" for utility scale projects is at least 1,000kW dc of generating capacity.

Innergex supports SB 1163 without modifications. Please do not hesitate to call our Government Affairs Manager, Stephanie Williams, at (619) 455-6774 for specific questions you may have.

Sincerely,



David Little  
Head of USA

cc: Committee on Energy and Environmental Protection Members  
Jose Dizon, Consultant



**COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION**

Rep. Nicole E. Lowen, Chair  
Rep. Tina Wildberger, Vice Chair

DATE: Tuesday, March 12, 2019  
TIME: 8:30 AM  
PLACE: Conference Room 325

**SB1163 RELATING TO RENEWABLE ENERGY**

Chair Lowen, Vice Chair Wildberger, Rep. Sharon E. Har, Rep. Ryan I. Yamane, Rep. David A. Tarnas, Rep. Cynthia Thielen, and Rep. Chris Todd:

We **support** SB1163 SD2 in its current form and offer **comments in the area of multi-family residential properties.**

**Adon Renewables** is a local renewable energy development firm supported by **Tokyo Electric Power (TEPCO)**, one of the largest power utilities in the world and **Adon Construction Inc.**, a company that has been doing business in Hawaii for 40 years.

One of the areas we specialize in is providing renewable energy to multi-family dwelling units, especially for affordable housing and senior housing. We have provided renewable energy for over 2,000 multi-family dwelling units over the last 10 years.

Hawai'i has some of the highest housing costs in the country. Multi-family properties have provided a source of affordable housing for low-income and senior residents in our state. Energy costs also provide for a burden to these income-challenged families.

Thank you for the recognition of this underserved population and the importance of providing them consideration to equitably participate in renewable energy tax credits. Any savings due to state tax credits, directly benefit this socioeconomic demographic as the credits are passed on in the form of rate savings to these consumers.

We urge you to support the \$700 per unit cap amount for multi-family residential properties so the benefits of these solar energy systems can be passed on to these communities immediately.

Thank you for the opportunity to testify.



Email: [communications@ulupono.com](mailto:communications@ulupono.com)

HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION  
Tuesday, March 12, 2019 — 8:30 a.m. — Room 325

**Ulupono Initiative Provides Comments on SB 1163 SD 2 with Amendments, Relating to Renewable Energy**

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

My name is Murray Clay and I am Managing Partner of the Ulupono Initiative, a Hawai'i-based impact investment firm that strives to improve the quality of life for the people of Hawai'i by working toward solutions that create more locally produced food; increase affordable, clean, renewable energy; and better manage waste and fresh water resources. Ulupono believes that self-sufficiency is essential to our future prosperity and will help shape a future where economic progress and mission-focused impact can work hand in hand.

**Ulupono provides comments on SB 1163 SD 2 with amendments**, which reduces the renewable energy systems tax credit.

The prior version of this measure includes an energy storage component and we feel this needs to be added back in. Energy storage is the next key piece for Hawai'i to meet its 100% renewable portfolio standard goal. Energy storage systems allow for increased adoption of all types of renewable energy generation and improve the resilience of the electrical grid.

Prior versions of this bill, including from past legislative sessions, included a tax credit for energy storage that was paid for through an equitable reduction in the solar photovoltaic tax credit. We believe this is an effective way to fund the tax credit for energy storage.

In addition, SB 1163 SD 2 reduces the residential cap to \$2,500 per system from the original version of this bill, which was \$5,000 per system. We feel this immediate significant reduction in the cap is inconsistent with the intent to ramp down the credit rate over time. We request the bill to put forth back the \$5,000 per system amount on page 9, line 9.

In addition, SB 1163 SD 2 reduces the commercial cap to \$250,000 per system from the original version of this bill, which was \$500,000 per system. We also feel this immediate significant reduction in the cap is inconsistent with the intent to ramp down the credit rate over time. We request the bill to put forth back the \$500,000 per system amount on page 9, line 20.

Ulupono believes that SB 1163 SD 2 should adhere to all the following good policy principles.

**Renewable Energy Subsidy Policy Principles:**

- Subsidies should be used to accelerate the market penetration of energy technologies that are critically important to electric system operations, where large scale adoption of these technologies

*Investing in a Sustainable Hawai'i*



would lower the risk adjusted rates to all ratepayers. Community solar, which specifically targets townhouses and apartments, is only just starting to be deployed. This program would help low to moderate-income households. Therefore, reducing the solar photovoltaic subsidy now would hurt working class homeowners who were previously not able to access the benefits of solar energy.

- Subsidies should have defined sunset dates set to the expected point at which the renewable technologies are cost effective without the subsidies.
- If no clear sunset date has been set, subsidies should ramp down to allow the smaller, typically local companies time to adapt, and to prevent the precipitous loss of jobs.
- Subsidies should benefit those who have provided the source of funds used to provide the subsidies, whether these be taxpayer or ratepayer funds.
- To that end, funds approved by the public, capital markets, and the Legislature for other purposes should not be used for subsidies, if these subsidies do not serve the same intended purpose.

### **Budget Considerations**

- Renewable energy subsidies should have a total annual cap to ensure the State budget exposure is managed or attempt to be fiscally neutral (ramp down other program to pay for new program).
- With the federal tax credit for solar photovoltaic system still in effect, Hawai'i is losing out on federal funding if solar systems are not being purchased locally. However, to build more solar, Hawai'i needs energy storage.

As Hawai'i's energy issues become increasingly complex and challenging, we appreciate this committee's efforts to look at policies that support renewable energy production.

Thank you for this opportunity to testify.

Respectfully,

Murray Clay  
Managing Partner

# TAX FOUNDATION OF HAWAII

126 Queen Street, Suite 304

Honolulu, Hawaii 96813 Tel. 536-4587

SUBJECT: INCOME, Renewable Energy Technologies Credit

BILL NUMBER: SB 1163, SD-2

INTRODUCED BY: Senate Committee on Ways and Means

EXECUTIVE SUMMARY: Amends the renewable energy technologies income tax credit to change limitations for certain technology types. Provides increased caps for photovoltaic property that is grid-connected and incorporates energy storage system. Generally, the credit is being phased down, perhaps in recognition that the technology involved is no longer new. If approved, the credit would be an indeterminate expenditure of public dollars out the back door, and could carry with it large administrative costs.

SYNOPSIS: Amends HRS section 235-12.5, to be retitled the solar energy, wind energy, and commercial seawater air conditioning system income tax credit, to allow credits for each energy system, as follows:

For each solar energy system used exclusively to heat water and is installed and first placed in service in the State by a taxpayer during the taxable year: 35% of the basis up to the applicable cap amount, which is determined as follows: (A) \$2,000 per solar energy system for single-family residential property; (B) \$700 per unit per solar energy system for multi-family residential property; and (C) \$225,000 per solar energy system for commercial property.

For each grid-connected solar energy system used primarily to generate electricity and is installed and first placed in service in the State by a taxpayer during the taxable year or is approved in the taxable year and is placed in the following taxable year, the credit is a certain percentage of the basis up to the applicable cap amount, which is determined as follows: (A) \$2,500 per solar energy system for single-family residential property, except that if all or a portion of the property is used to fulfill the substitute renewable energy technology requirement in section 196-6.5(a)(3), HRS, the credit will be reduced by 25% of basis or \$2,250, whichever is less; (B) \$350 per unit per solar energy system for multi-family residential property; (C) \$700 per unit per solar energy system for multi-family residential property classified as low-income, affordable housing, or senior housing; (D) \$250,000 per solar energy system for commercial property; and (E) \$750,000 per utility solar energy system procured by an electric utility under a power purchase agreement and approved by the public utilities commission. The credit rate is 35% for calendar year 2020, 30% for calendar year 2021, 25% for calendar year 2022, 20% for calendar year 2023, 15% for calendar year 2024, 10% for calendar year 2025, and 5% for calendar year 2026. Special grandfather rules are provided where a system has an executed customer service contract dated prior to June 30, 2018, and is installed and first placed in service before Dec. 31, 2019; or a power purchase agreement dated prior to December 31, 2019, and first placed in service before Dec. 31, 2024.

A grid-connected wind energy system is also creditable, and the credit rate is 20% of basis up to the applicable cap amount, which is determined as follows: (A) \$1,500 per wind energy system for single-family residential property, except that if all or a portion of the property is used to fulfill the substitute renewable energy technology requirement in section 196-6.5(a)(3), HRS, the credit will be reduced by 20% of basis or \$1,500, whichever is less; (B) \$700 per unit per wind energy system for multi-family residential property; and (C) \$500,000 per wind energy system for commercial property. Grandfather rules similar to those for photovoltaic systems also apply.

For each commercial seawater air conditioning system, as defined in this section, twenty percent of the basis of connecting the commercial seawater air conditioning system to the seawater district cooling system up to the applicable cap amount of \$100,000.

Defines “basis” on which the credit is based as costs related to the solar energy, wind energy, or energy storage system, including accessories, costs related to the solar energy, wind energy, or commercial seawater air conditioning system under subsection (a), including accessories, installation, energy storage, and cost of construction to connect to a seawater air conditioning district cooling system, but does not include the cost of consumer incentive premiums unrelated to the operation of the energy system or offered with the sale of the energy system and costs for which another credit is claimed under this chapter. Any cost incurred and paid for the repair, construction, or reconstruction of a structure in conjunction with the installation and placing in service of a solar energy, wind energy, or commercial seawater air conditioning system, such as the reroofing of single-family residential property, multi-family residential property, or commercial property, shall not constitute a part of the basis for the purpose of this section; provided that costs incurred for the physical support of the solar or wind energy system, such as racking and mounting equipment and costs incurred to seal or otherwise return a roof to its pre-installation condition shall constitute part of the basis for the purposes of this section. States that basis shall be consistent with the use of basis in section 25D or section 48 of the Internal Revenue Code.

Defines “commercial seawater air conditioning system” as a building air conditioning system for commercial, office or residential buildings connected to a seawater air conditioning district cooling system.

Defines “first placed in service” the same as in Treas. Reg. section 1.167(a)-11(e)(1).

Defines “grid-connected” as where the individual or corporate taxpayer has obtained an approved interconnection agreement from an electric utility for the solar energy system or whose facility does not have an existing tie to the electric grid.

Defines “seawater air conditioning district cooling system” as an identifiable facility, equipment, apparatus, or the like that utilizes naturally occurring cold, deep seawater as its primary source of cooling for production of chilled water for distribution to multiple commercial air conditioning systems.

Defines “solar or wind energy system” as any identifiable facility, equipment, apparatus, or the like that converts solar or wind energy to useful thermal or electrical energy for heating, cooling,

or reducing the use of other types of energy that are dependent upon fossil fuel for their generation, if (1) the total output capacity of the solar or wind energy system is:

- (A) For a single-family residential property, at least five kilowatt hours per system;
- (B) For a multi-family residential property, at least 0.360 kilowatts per unit per system;
- (C) For a commercial property, at least one thousand kilowatts per system;
- (D) For a utility solar energy system, at least one thousand kilowatts per system; and
- (E) For a wind energy system for commercial property, at least one thousand kilowatts per system.

In addition, one of the following must apply: (A) the construction, reconstruction, or erection of the solar or wind energy system is completed by the taxpayer; or (B) the solar or wind energy system is acquired by the taxpayer if the original use of the solar or wind energy system commences with the taxpayer.

The tax credit is nonrefundable by default, but a taxpayer may elect to give up 30% of the credit to make it refundable. Alternatively, a taxpayer whose adjusted gross income is \$20,000 or less for single filers or \$40,000 or less for joint filers may elect to make the tax credit refundable without discount. If a taxpayer receives the nonrefundable credit and is unable to use all of it, the unused credit may be carried forward indefinitely until exhausted. Spouses not filing a joint return may only make the election to the extent that they would have been able to make the election if they had filed a joint return. An election once made is irrevocable.

Provides that the tax credit under this section shall be construed in accordance with Treasury Regulations and judicial interpretations of similar provisions in sections 25D, 45, and 48 of the Internal Revenue Code.

Provides that a planned community association, condominium association of owners, or cooperative housing corporation may claim the tax credit under this section in its own name for property or facilities placed in service and located on common areas.

States that no credit shall be allowed to any federal, state, or local government or any political subdivision, agency, or instrumentality thereof.

States that no credit shall be authorized for taxable years ending after December 31, 2026.

Makes technical and conforming changes.

EFFECTIVE DATE: July 1, 2050; applies to taxable years beginning after December 31, 2019. Sections 235-12.5(a)(1)(B), 235-12.5(a)(2)(A), 235-12.5(a)(3)(B), 235-12.5(a)(3)(C), and 235-12.5(b)(2), Hawaii Revised Statutes, shall take effect on July 1, 2050.

STAFF COMMENTS: Lawmakers need to keep in mind two things. First, the tax system is the device that raises the money that they, lawmakers, like to spend. Using the tax system to shape social policy merely throws the revenue raising system out of whack, making the system less than reliable as there is no way to determine how many taxpayers will avail themselves of the

credit and in what amount. The second point to remember about tax credits is that they are nothing more than the expenditure of public dollars, but out the back door. If, in fact, these dollars were subject to the appropriation process, would taxpayers be as generous about the expenditure of these funds when our kids are roasting in the public school classrooms, there isn't enough money for social service programs, or our state hospitals are on the verge of collapse?

If lawmakers want to subsidize the purchase of this type of technology, then a direct appropriation would be more accountable and transparent. The credit as currently drafted is complex.

Furthermore, the additional credit would require changes to tax forms and instructions, reprogramming, staff training, and other costs that could be massive in amount. A direct appropriation, or adding on to an existing program such as Hawaii Energy, may be a far less costly method to accomplish the same thing.

*Technical comments:* As the bill now reads, no credit would be allowed unless a system meets the total output capacity requirement, which for example is 5 kWh per system for single-family residential property. The current administrative rules allow a system to qualify for credit even if it does not meet the total output capacity requirement, but deny credit for a second or subsequent system on the same tax map key unless the total output capacity requirements are met for the previous systems. For example, a photovoltaic system with total output capacity of 13 KWh could qualify as three systems. The rules for aggregation of systems also need to have a geographical scope; for example, it makes no sense to aggregate a system in Honolulu with one on Kauai. The current rule using tax map key is acceptable most of the time, but there are some tax map keys with thousands of dwelling units, such as those on former military reservations and on the island of Lanai.

Digested 3/10/2019



To: The House Committee on Energy & Environmental Protection  
From: Sherry Pollack, Co-Founder, 350Hawaii.org  
Date: Tuesday, 3/12/19

**In strong opposition to SB1163 SD2**

Aloha Chair Lowen, Vice Chair Wildberger, and the members of the Energy and Environmental Protection Committee,

I am Co-Founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. On behalf of our 6,000 members and supporters, 350Hawaii.org strongly opposes SB1163 SD2 which would undermine clean energy solutions that have saved Hawaii residents money while reducing the need for dirty, fossil fuels. Cutting Hawaii's renewable energy tax credit is bad for the economy and the environment. We urge you to defer this bill.

Mahalo for the opportunity to testify.

Sherry Pollack  
Co-Founder, 350Hawaii.org

**SB-1163-SD-2**

Submitted on: 3/10/2019 5:36:12 PM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Janet Graham	350.org	Oppose	No

Comments:

I strongly oppose SB 1163 which would undermine clean energy solutions that have saved Hawaii residents money while reducing the need for dirty, fossil fuels. Cutting Hawaii's renewable energy tax credit is bad for the economy and the environment. I urge you to defer this bill.

**SB-1163-SD-2**

Submitted on: 3/11/2019 11:38:40 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Adrianna Pulver	PV Tech	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single



day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

Alpha Chairman Glenn Wakai,

My name is Lionel Ahima and I ~~have~~ <sup>installed</sup> a PV system back in 2013. The main reason that I invested my hard earned money was because of the 35% State Tax Credit. If it wasn't for this credit, there would be no way I could have afforded it.

If you reduce the State Tax Credit it would certainly curtail hard working tax payers from investing in any future solar related systems. It is because of the tax credit <sup>that</sup> we see so many homeowners reducing their electric bills so that we may afford to live in Hawaii which has the highest kilowatt hour rate in the nation.

We need to reduce our carbon footprint to achieve our State's goal of 100% sustainable energy by 2045. ~~By~~ By reducing the State tax credit prolongs our achievable goal as well as reducing our high electric bills which directly affects the affordability in raising a family and living in Hawaii which <sup>we</sup> already have to pay an additional 33% Cost of Living increase from the entire United States of America.

I am asking for this measure SB1163 HD2 to be deferred immediately.

Sincerely, Lionel Ahima

**SB-1163-SD-2**

Submitted on: 3/9/2019 2:23:41 PM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Mike Wildberger	Individual	Oppose	No

Comments:

The solar tax credit is the most important tool for adding renewable energy to the grid. Please do not reduce the credit or carve out the storage credits.

**SB-1163-SD-2**

Submitted on: 3/10/2019 3:00:36 AM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jonathan Boyne	Individual	Oppose	No

Comments:

Aloha Chair Lowen, Vice Chair Wildberger, and the members of the Energy and Environmental Protection Committee,

I strongly oppose SB 1163 which would undermine clean energy solutions that have saved Hawaii residents money while reducing the need for dirty, fossil fuels. Cutting Hawaii's renewable energy tax credit is bad for the economy and the environment. I urge you to defer this bill.

**SB-1163-SD-2**

Submitted on: 3/10/2019 7:24:55 AM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Caroline Kunitake	Individual	Oppose	No

Comments:

Aloha Chair Lowen, Vice Chair Wildberger, and the members of the Energy and Environmental Protection Committee,

I strongly oppose SB 1163 which would undermine clean energy solutions that have saved Hawaii residents money while reducing the need for dirty, fossil fuels. Cutting Hawaii's renewable energy tax credit is bad for the economy and the environment.

We do not need to cut Hawaii's renewable energy tax credit by more than half starting next year. I urge you to defer this bill.

Mahalo,

Caroline Kunitake

Aloha Chair Lowen, Vice Chair Wildberger, and the members of the Energy and Environmental Protection Committee,

I strongly oppose SB 1163 which would undermine clean energy solutions that have saved Hawaii residents money while reducing the need for dirty, fossil fuels. Cutting Hawaii's renewable energy tax credit is bad for the economy and the environment. I urge you to defer this bill.

**SB-1163-SD-2**

Submitted on: 3/10/2019 11:57:10 AM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Barbara L. George	Individual	Oppose	No

Comments:

OPPOSE. Please do not proceed with any bill that decreases incentives for residents and businesses to move forward with rooftop solar for power.

**SB-1163-SD-2**

Submitted on: 3/10/2019 12:12:19 PM

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

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

Comments:

Aloha Senators, Please ammend this bill to make it possible and indded encourage folks to take their homes and businesses OFF the grid completely. As technology improves towards this end THIS is the way of the future and makes most sense in terms of enregy independence on a dialy basis and in emergencies such as hurricanes. Sorry Hawaiian Electric! your role needs to be diminished. Your grid is outdated and I'm frankly sick of the way in which this for profit monopoly is holding us back from the application of innovation and the kinds of technologies that need to be adopted for our future. PLEASE MODIFY THIS BILL!



**SB-1163-SD-2**

Submitted on: 3/10/2019 4:26:31 PM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Peter Loftsgordon	Individual	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems.

The solar industry is strong in Hawaii because of the existing tax credits. To end them would be a severe hit to both those who work in solar in Hawaii, and to consumers who desperately need lower electricity bills.

Best Regards,

Peter Loftsgordon

Dear EEP Chair and committee members,

I fully support the comments of the Alliance for Solar Choice and strongly oppose SB1163 SD2.

It makes no sense to me that Hawaii, having a goal of 100% renewable energy, would take away incentives for rooftop solar--or any renewable energy devices—when we are just getting (re)started. Have we forgotten WHY Hawaii has this goal?

Climate change is upon us, and its effects will only intensify over the coming years. We are supposed to be mitigating these effects by eliminating fossil fuel use as much as possible. The alternative choice--to seek short-term profits by maintaining the status quo--will be vilified by our children and grandchildren (if not ourselves) in the coming decades.

As our Hawaii leaders, you are asked to make difficult, forward-looking decisions. Climate change will bring thousands of difficult decisions; putting them off is a decision as well.

My specific comments on SB1163 SD2:

- 1) Rooftop solar should be a no-brainer. We have companies ready to go to work and people who need cheaper energy bills. We should make it as easy as possible for this to happen. (Our family was an early adopter of solar panels back in 2008, and we added an electric vehicle in 2011 with only positive results: lower fuel and electric costs for us; reduced fuel costs (less fossil fuel) for HECO.) Incentivizing—not discouraging--these behavior changes should be the new normal! [On a similar note, where are the community solar farms for condo-dwellers to buy into?]
- 2) The decision to only count grid-connected systems is also short-sighted. After HECO forced people to stop adding rooftop solar several years ago, they began pushing off-grid systems, and residents complied; now HECO has reversed course, and SB1163 supporters don't want to give credits to people who aren't HECO customers). Our climate won't care if a system is grid-connected or not; if more carbon dioxide is pumped into the atmosphere, our climate will worsen--period. Give ANYONE who uses renewable energy (on-grid or off-grid) the tax credit.
- 3) The entire tax plan for receiving renewable energy credits needs to be simplified. This was made abundantly clear by the State Tax Office's lengthy testimony for this bill.

Therefore, in its current form, I ask that HB1163 SD2 be deferred.

Thank you.

Sincerely,  
Jan Pappas  
Aiea, Hawaii 96701

**SB-1163-SD-2**

Submitted on: 3/11/2019 12:29:43 AM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Joan Gannon	Individual	Oppose	No

Comments:

To: EEP Committee

From Joan Gannon Hawaii Island resident.

Re: SB 1163. I strongly oppose this bill which would undermine clean energy solutions that have saved Hawaii residents money while reducing the need for dirty fossil fuels. Cutting Hawaii's renewable energy tax credit is bad for the economy and the environment. I urge you to defer this bill

thank you

**SB-1163-SD-2**

Submitted on: 3/11/2019 6:53:09 AM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Sonja Kass	Individual	Oppose	No

Comments:

Aloha Energy and Environmental Protection Committee,

Please keep the full tax credits for renewables and please don't lower the cap, and help concerned citizens to do their share to fight climate change.

Ideally all of our energy production should be coming from renewables. The demand for clean electricity will rise, as all our transportation, cooking, clothes drying, etc should be decarbonized as well.

I urge you to do everything in your power to get us to 100% renewable as fast as possible, and help preserve tax credits for renewable energy generation and storage well into the future, whether they are on the main grid, or on a micro-grid, or even off grid.

Mahalo

Sonja Kass, Kapaa

**SB-1163-SD-2**

Submitted on: 3/11/2019 8:42:03 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Trevor Sullivan	Individual	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single

day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

**SB-1163-SD-2**

Submitted on: 3/11/2019 9:04:30 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Jeff	Individual	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single

day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.



**SB-1163-SD-2**

Submitted on: 3/11/2019 9:29:01 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Randall S Bricker	Individual	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While

smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

Randall Bricker

**SB-1163-SD-2**

Submitted on: 3/11/2019 9:41:52 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Radford Nakamura	Individual	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While

smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

Radford Nakamura

**SB-1163-SD-2**

Submitted on: 3/11/2019 10:48:30 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
reggie salvador	Individual	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single

day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

**SB-1163-SD-2**

Submitted on: 3/10/2019 8:05:35 AM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Robert Culbertson	Individual	Oppose	No

Comments:

**SB-1163-SD-2**

Submitted on: 3/11/2019 11:25:15 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Ross Kutsunai	Individual	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

In the face of the State of Hawaii's commitment to 100% renewable energy this is in total disagreement with that commitment. It will take efforts of everyone in Hawaii, especially the public, to reach this lofty goal and any negative changes to the State tax credits will seriously handicap the efforts of the public to use their private funds to reach the goal.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course



Hawaii still gets over 80% of its energy from fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

Ross M Kutsunai

ATTN: Hawaii State Legislators  
RE: SB1163  
From: Thomas A. Loudat, PhD

Sirs/Ladies:

I am voicing my opposition to SB1163 on the simple grounds "if it ain't broken don't fix it." Since the beginning of this century I have performed 3 analysis iterations assessing the economic and fiscal of the Hawaii solar energy credit. It has shown that the credit leads to significant positive economic impacts and at a minimum at current energy cost levels is revenue neutral to the state. To the credit of past Hawaii legislatures they recognized this fact and maintained the credit leading to the most successful implementation of renewable energy program and outcomes that I am aware of. Elimination of the credit at best puts at risk or at worst eliminates Hawaii status as the most progressive state with respect to reducing its carbon footprint. This in an age where atmospheric carbon, whether from man-made or natural sources, has the potential to be a major civilization disruptor. For the sake of Hawaii citizens, the planted and future generations, I strongly encourage the legislature to oppose SB1163 on moral, economic and climate science grounds placing it in the dustbin of history as a bad idea from the broadest contextual backdrop.

Sincerely,

A handwritten signature in black ink that reads "Thomas A. Loudat". The signature is written in a cursive style with a horizontal line above the first few letters.

Thomas A. Loudat, Ph.D.  
(808) 235-0578(FAX)  
(888) 449-8399  
Email: [tomloud@earthlink.net](mailto:tomloud@earthlink.net)

**SB-1163-SD-2**

Submitted on: 3/11/2019 11:41:02 AM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
P Kuromoto	Individual	Oppose	No

Comments:

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

**Thank you for the opportunity to testify in OPPOSITION to SB1163 SD2.**

Hawaii has very lofty renewable energy goals, and these goals will simply not be reachable without state support. Adoption of renewable energy technologies is heavily dependent on the financial outlook of the projects, which in turn is heavily dependent on the tax advantages associated with them. This outlook, especially with regard to photovoltaic, has dropped off dramatically over the last few years as the related utility programs have become less and less remunerative.

Federal tax credits related to renewable energy are scheduled to drop starting next year as well. Reducing the state credit would be a double hit to the financial outlook of renewable projects and would lower adoption. This would not serve the purpose of meeting the state's goals.

Reducing state incentives in general is misguided. Renewable energy systems support many local residents and companies, and provide financial benefits within the state as they are physical properties. Tax credits granted up front will return in additional local spending for many years afterward. These are smart investments for all parties involved.

**SB-1163-SD-2**

Submitted on: 3/11/2019 11:30:56 AM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Randy Ching	Individual	Oppose	No

Comments:

Chair Lowen, Vice Chair Wildberger and members of the committee,

I oppose SB1163 SD2. We should be extending the solar tax credits, not ending them. The goal is clear: no more fossil fuels to generate electricity.

- Rooftop solar has helped Hawaii residents save billions of dollars and reduced the need for dirty, fossil fuels. This helps everyone.
- The impacts of climate change: Hurricanes Lane and Olivia came close to smashing Oahu last year. Tropical storms/hurricanes are now tracking toward the Hawaiian Islands. The last 5 years have seen almost a dozen storms/hurricanes within a 100 miles of the state.
- Cutting the residential and commercial cap by more than half effectively cuts the tax credit by the end of this year, despite disingenuous language elsewhere in the bill. This is poor policy and sends a terrible signal to the market -- don't invest in Hawaii, they don't care about market stability.
- Please defer this bill. Mahalo for your consideration.

Randy Ching (Honolulu)

**SB-1163-SD-2**

Submitted on: 3/11/2019 1:27:30 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Jenn Miguel	Individual	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

An article released by the U.S. Energy Information Administration on February 13, 2018, titled, "Electricity prices are highest in Hawaii but expenditures are highest in South Carolina." The State of Hawaii was listed the residential electricity price at 27.5 cents per kilowatthour (kwh). The lowest State for residential electricity prices was Louisiana at 8.3 cents per kwh. According to the Hawaii Energy website, the cost per kwh as of December 2018 came in at 32.2 cents per kwh for Oahu. At this rate of 32.2 cents per kwh, Hawaii's (Oahu's) cost per kwh is almost 400% more than Louisiana. There is no doubt the cost of living is increasing for the resident of Hawaii.

I work together with homeowners directly and these tax credits from both the Federal and State are absolutely necessary to help families save and benefit when purchase their PV or SHW systems. The tax credits help in offsetting the cost of the renewable energy equipments and products.

I kindly ask to please consider opposing **SB 1163 SD2**.

Sincerely,

Jenn Miguel

PV Tech

**SB-1163-SD-2**

Submitted on: 3/10/2019 9:51:51 AM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Rene Umberger	Individual	Oppose	No

Comments:

**SB-1163-SD-2**

Submitted on: 3/10/2019 4:25:21 PM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Dyson Chee	Individual	Oppose	No

Comments:

**SB-1163-SD-2**

Submitted on: 3/11/2019 2:21:18 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Charles Chacko	Individual	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While



smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

Charles Chacko

**SB-1163-SD-2**

Submitted on: 3/11/2019 2:30:59 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Anas Anees	Individual	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single

day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

**SB-1163-SD-2**

Submitted on: 3/11/2019 3:55:22 PM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
J Riverstone	Individual	Oppose	No

Comments:

Dear Hawaii Senators

I am writing to urge you to oppose SB 1663 SD 2. Please defer this bill in tomorrow's hearing.

When taking responsibility for the future of Hawaii, few issues are more important than climate change and our transition away from fossil fuels. If we don't get these two issues right, then it will be hard to get much of anything right. While last year's report on Sea Level Rise set the cost of dealing with just one aspect of climate change at several billion dollars, the true social, economic, and environmental costs of burning fossil fuels are incalculable.

Some things like education, care of the elderly, and maintaining our transportation systems are public goods that are worth incentivizing, and so is renewable energy. Promoting rooftop solar is one of the best ways we can help our society become energy independent and sustainable. Keeping the solar tax credit also supports one of the brightest spots in Hawaii's economy. And at least for the next couple years, every dollar of Hawaii's renewable energy tax credit is effectively matched by the federal renewable energy tax credit.

Thank you for your consideration,

Jerry Riverstone

Honolulu

**SB-1163-SD-2**

Submitted on: 3/11/2019 7:51:06 AM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Eric Schiff	Individual	Support	No

Comments:

I strongly support SB1163.

**SB-1163-SD-2**

Submitted on: 3/10/2019 7:50:33 PM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Erica Scott	Individual	Support	No

Comments:



## DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

No. 1 Capitol District Building, 250 South Hotel Street, 5th Floor, Honolulu, Hawaii 96813  
Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804  
Web site: www.hawaii.gov/dbedt

DAVID Y. IGE  
GOVERNOR  
MIKE MCCARTNEY  
DIRECTOR

Telephone: (808) 586-2355  
Fax: (808) 586-2377

Statement of  
**MIKE MCCARTNEY**  
Director

Department of Business, Economic Development, and Tourism  
before the

### HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 12, 2019

8:30 AM

State Capitol, Conference Room 325

In consideration of  
**SB 1163, SD2**  
**RELATING TO RENEWABLE ENERGY.**

**LATE**

Chair Lowen, Vice Chair Wildberger, and members of the Committee. The Department of Business, Economic Development, and Tourism (DBEDT) provides **comments** with concerns on SB1163, SD2, which replaces the current renewable energy technology systems tax credit for solar energy, wind energy, and commercial seawater air conditioning systems.

DBEDT recommends lowering or eliminating the minimum output capacity requirements for both residential and commercial solar and wind systems, to enable a wider range of customers to participate and install solar or wind systems. For example, SB1163, SD2, sets the minimum output capacity requirements for single-family residential and commercial solar or wind energy system to be at least 5 kilowatts and 1,000 kilowatts, respectively. In review of Hawaiian Electric Companies "Cumulative Installed PV as of December 31, 2018" report, the typical range for Residential and Commercial PV installations are: (1) Residential = 5.3 to 5.8 kilowatts and (2) Commercial: 44.9 to 115.4 kilowatts. Therefore, if it can be assumed that a large portion of the commercial PV installs and a certain portion of the solar residential installations (below average in size) will not qualify for the income tax credit under this measure.

DBEDT is concerned this bill requires solar energy systems used primarily to generate electricity to be grid-connected. That provision has potential unintended consequences such as deterring the adoption of off-grid renewable energy technologies for emergency response purposes.

Page 2, lines 18-21 through page 3, lines 1-4, sets the applicable cap amount per solar energy system at \$500,000. It is unclear whether this cap is related to commercial alone or also afforded to single-family and multi-family residential. Presently, the applicable HRS 235-12.5 caps for a solar energy system are: single-family residential = \$5,000/system; multi-family residential = \$350/system; and commercial = \$500,000/system.

Finally, this bill incrementally steps down over time the tax credit for solar from thirty-five percent to five percent. It may be premature to initiate this tax credit reduction without further analysis on the impact of Hawaii's solar industry given the anticipated reduction in the solar federal tax credit.

Thank you for the opportunity to testify.



To: The House Committee on Energy & Environmental Protection  
From: Brodie Lockard, Hawaii State Climate Lead, Organizing for Action  
Date: Tuesday, March 12, 2019, 8:30 am

**LATE**

**In strong opposition to SB1163 SD2**

Dear EEP Chair Lowen, Vice Chair Wildberger, and Committee Members—

Organizing for Action strongly opposes SB1163 SD2.

Rooftop solar has helped Hawaii residents save billions of dollars and reduced the need for dirty, fossil fuels. SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year.

Cutting Hawaii's renewable energy tax credit is bad for the economy and the environment. I urge you to defer this bill.

I installed rooftop PV eight years ago and have enjoyed huge savings while helping to fight climate change. There is no more important issue.

Another part of SB 1163 SD2 prevents customers from "going off the grid" and installing grid-disconnected solar and storage, something some legislators have blatantly called a "give to Hawaiian Electric."

I urge you to defer this ill-advised bill.

Thank you for the opportunity to testify.

Brodie Lockard  
Hawaii State Climate Lead, Organizing for Action



**SB-1163-SD-2**

Submitted on: 3/11/2019 6:29:04 PM

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



Submitted By	Organization	Testifier Position	Present at Hearing
Roy Skaggs	Individual	Oppose	No

Comments:

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

**I STRONGLY OPPOSE SB 1163 SD2** and ask that you **defer this measure**. This measure replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

It is an indisputable fact that solar energy is leading the front in the fight against climate change, with Hawaii being one of the top states in installed solar-per-capita. A study from 2017 about the benefits of solar in Hawaii found the following:

- The average annual savings for a SHW system to the consumer is \$1,018/year. The average savings for a PV system per kW of installed capacity is \$554/year. Multiplied over 20 years, this represents \$40,000-\$60,000 in savings to the consumer over the life of the system.
- The state realizes fiscal benefits of solar system installs, rather than deficits. For every \$1 spent on solar tax credits by the state, Hawaii receives \$1.97-\$2.67 in additional tax revenue because the money people save on energy costs is reinvested in the state economy.
- Every 5kW of solar installed in the state creates 3 jobs over the system's 20 year life through initial installation and ongoing operations and maintenance.

Another report from last year by the Rhodium Group found that its **actually cheaper** for Hawaii to accelerate deployment of renewables like rooftop solar, rather than maintaining our current course

Hawaii still gets over 80% of its energy from dirty fossil fuels, and consumers are paying the price through high energy bills and carbon emissions. In the last 20 years, the price of solar energy has dropped to all-time lows and it gets more affordable every single day. A large part of this affordability is allowing consumers, especially those at low and middle incomes, to realize even greater savings through market appropriate tax incentives.

This bill does the opposite by cutting the tax credit in half and eliminating consumer choice by preventing the credit from being claimed by off-grid developments. While smart, innovative changes to the existing tax credit should always be considered, the current language in this bill is only regressive and will harm our progress towards our clean energy goals, the industry, and the consumer.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

**LATE**

**SB-1163-SD-2**

Submitted on: 3/11/2019 8:48:36 PM

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

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Faith Texeira	Individual	Oppose	No

Comments:

Dear Chair and committee,

I oppose SB1163 affecting renewable tax credits for solar systems. Hawaii depends too much on fossil fuel and we as consumers are paying excessive electricity bills. Please consider deferring this bill to allow our families and friends in benefiting with tax credits for solar systems and allowing for cleaner energy for our children and grandchildren for a cleaner environment. This bill will affect Hawaii's goals for clean energy, further affect the solar industry, and most Hawaii residences.

Thank you for your consideration and support of clean energy and affordable alternatives to fossil fuel.



# SIERRA CLUB OF HAWAI'I

**MĀLAMA I KA HONUA. *Cherish the Earth.***

## HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

March 12, 2019      8:30 AM      Room 325

In **OPPOSITION** of **SB 1163 SD 2**: Relating to Renewable Energy

**LATE**

Aloha Chair Lowen, Vice Chair Wildberger, and members of the committee,

On behalf of our 20,000 members and supporters, the Sierra Club of Hawai'i **opposes SB 1163 SD 2**, which replaces the current renewable energy technology systems tax credit with tax credits for solar energy, wind energy, or commercial seawater air conditioning systems and sunsets the credit after 12/31/2026.

SB 1163 SD2 would slash Hawai'i's renewable energy tax credit by more than half starting next year. This would drastically halt or slow the growth of rooftop solar and home batteries, ironically at a time when climate scientists are telling us we need to accelerate the transition to clean energy. The Hawai'i Legislature's proposal would also happen at the same time as the federal income tax credit is stepping down, meaning a double whammy on customers wanting to do the right thing. We'd leave federal money on the table instead of helping the transition to a clean energy future.

While prudently reducing Hawai'i's renewable energy tax credit over time may be reasonable, slashing the incentive by over half with less than six months of notice sends a signal that our legislature is not concerned about climate change or market stability. Further, another part of SB 1163 prevents customers from "going off the grid" and installing grid-disconnected solar and storage, also hindering our accelerated transition to clean energy technologies.

Thank you for the opportunity to testify in opposition to SB 1163 SD 2.

## EEPtestimony

---

**From:** Sharon Leton <aamalei5@yahoo.com>  
**Sent:** Monday, March 11, 2019 10:41 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

It is time to step up to the plate and save this planet. The way to do this is already proven. It is up to the people of this planet to make the change to renewable energy.

Sincerely

Sharon Leton

aamalei5@yahoo.com Kauai, Hawaii

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5I-2BGi1dkJ5LCYXh7V-2BIROnzrrtXbS29QSvoMmUiNSnuBRjUM4bhKhngw6TJl8N4i-2F2cK2zfGYYDz5nDuDID-2FeiwpY9FuK3XWYccDWBm6x0Vp1bNh35Gsua6LGzVaPvA2dKmkV-2BCxcl4b9y83VKwe1yHhNtwqpAihLKkyE6T1Czo-2FIEVolpp8S3lrxAhnY-2F-2Bnte-2F8fvyCK3ahNQ5PN33Fu1PcXBWj0-2FBR9pGoXhzXPg0jIMl01LJ9-2Bq0fewu5ubr-2B1eOq4zaoS3JJiQT2h1aWRlds8jBZry5F8yPUxGp61-2Brhs-3D>>

## EEPtestimony

---

**From:** Jeannie Lum <jlum737@gmail.com>  
**Sent:** Monday, March 11, 2019 9:52 PM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

This bill makes absolutely no sense!!! I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Jeannie Lum  
jlum737@gmail.com  
Honolulu, HI 96816

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMcaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPwDm-2BSrRteW4lBlfjP5llho9tpXpMlszo0jYoGtpkFi2TevrnitibtMCOQ8fZNZU5VjjoS7S-2BwsYvh27su7vfV9nz6SyKvc8B7lcrIrzITdfZQnUwkO5SHZq1T1g2NCPcbPrUusUWorRwr0G3zlUehjklaqiYtyQBlvMa5xEwgEY4nHZ-2FdQBQDVbNXAZQxFGBokcihtqnT6tdX9OqOpkdToHUriGjRL99ZYEmY-2BHu5SBYar9Qod0EoS9K7vA-2B5Ph827VwUzwr4oibZmsa7EhPhBK3MNYh94h-2B3jRs-2FPMcimo1loFSEbPyTqmwj9RGjY-3D>>

## EEPtestimony

---

**From:** Reverend Susan Sanford <planetarypriestess@gmail.com>  
**Sent:** Monday, March 11, 2019 6:34 PM  
**To:** EEPtestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Reverend Susan Sanford  
planetarypriestess@gmail.com 96771

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lgcuQRErPdpELBwjs6XaXCkH1rbT5kARw3-2F0StEpI7gj4CV39UN-2BhdEK9n0c9w2WcVRL97WfA4-2F73Rm2sZ7Tb5rjMcCqzX71-2BCEACSKHnos80Y-2BBduVTLv-2FL3P-2BN1Z-2BFmC9KUIFq8a65B79aXgsERkuw9z-2FF3GJT1rASK4hL6XKgQ3nWLR5NJZoGe-2BCKA6LEdOkHL9nFVg0Up4wPP3gaxR6NolbJJY7wU3jKNc5XFKyV-2BKxTYTL8Qv0N5qmjy-2BFIBANjt5BIk3SbRhAtpEJmrUfX4M0Cn-2BdpNh33pCmPF6ls-3D>>

## EEPttestimony

---

**From:** Madeleine Soder <msoder@hawaii.edu>  
**Sent:** Monday, March 11, 2019 5:19 PM  
**To:** EEPttestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Madeleine Soder  
msoder@hawaii.edu 96816

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5lv1rFpOoaLb4D3ttk7-2BxkIIJJEITNpxRbcdZXPz4dY7ufpB0bgYsEn2O-2BVEitnNlPK-2BF0PRqLeFeRrC2QG2BCkwFu8lJvPUCsQCB-2BwMIC-2FhK84w0Ou4CDwUwsMrvMyL8nEK8SSJX4DfFPQwXWFeOdoD8GqzPdZN-2BI4DXOYdTOUM7IVyIQK0pDtxPA6RdMgV7RO-2FmEFTc6GekOvyNsoZIMglvdDfu26IlgJVIYGdC8AG7bFVCfoOITDgIntw85cndbP10Z9MFySRxdZw4oBLVicRh32la012s4NxDmqapOI4c-3D>>



## EEPtestimony

---

**From:** Lester klungness <klungnesm001@hawaii.rr.com>  
**Sent:** Monday, March 11, 2019 1:00 PM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Lester klungness  
klungnesm001@hawaii.rr.com 96771

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IOzXROCBi1f3E3IVB5KjnlbVTA48EDuV5EdHcuOi3M2Tmols-2BklX2aW7cmBldCRgo-2BQzRJ2h8fJLFKcmqYeJHgdq1uXUFdSXrabhLcSXGgbFFgY-2B4iCq4weUYtqLP9hq7-2FKIVCPk6Ywl3yP57fjc4RB9aFQAHVsh-2BNgu6KIZ-2BqCEO-2FG-2B-2BIYpzjRd7fX4LpU1iF8VzM0Lb6y0lsrUROjAAyUT-2BPaxKa6bdakt0K0xPI-2B79tjxs6j1vVS9xxcYOftiGeiVBVwYmVQbyJwF1ega7ZfVbozNDFrVXIEu-2FqD1bl-3D>>

## EEPttestimony

---

**From:** Gilmer Borbo <sanmigilmer@gmail.com>  
**Sent:** Monday, March 11, 2019 12:54 PM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Gilmer Borbo  
sanmigilmer@gmail.com 96789

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5Izvrk8I8OTeygynz24T-2BiWXcppLJaRvTx2XgelZnKnFJwTNDjmht7UGznd-2F9K7w-2FDU0c5FT3Q29Bk0P2MRLiZBh9TyJdL03nuP-2BkTTCb7sBigGneT3ddO2q-2BD4Eve6-2FPkaMiufSZki1Lg0eZHRzQGXTlo9122yE2wF2pqMFI67WtmkwUH3cbwPZG6XFMv9dLjE57c-2B-2BRjBYZoJ97NUH-2BTrpamB9mQr159R5beKn2-2FcQuTzEvnHUv984Mejh2FIIR5Y96CR2HS-2FojDmPPBmtpkY6Y33F9X2hNcJvxoTGh-2F4V0-3D>>

## EEPttestimony

---

**From:** ron taylor <changeamerica@gmail.com>  
**Sent:** Monday, March 11, 2019 10:39 AM  
**To:** EEPttestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
ron taylor  
changeamerica@gmail.com 96720

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5lp3NwJcXghGZ4Dzc9x7pOs5E93VnY8nyuEieNrUbghUwzN0xM2JzZlsbH1mfq67K1Y4niYX2TK7cyYRLb8PDOIEoAco4miyy7TDBjxmK6vtRgppkxrEaASNchyokxidD4QgMvtF9gxN-2BI4powLTZZB4I11hghsUFocHRkTnGAUS7SLTqLvBqVR1nllfSz6QVYIkAF05GgjPxKcpqOLXzZGh7ahXjfwTOC6Z1a6qePte-2BkLBE5dpjvhJ3KAmUsIrlzko-2BXGqkndzkgfQOJZfuL9kN-2FMJNsH1aOtmkg8wSBOgwc-3D>>

## EEPttestimony

---

**From:** Ulrich Muller <ueli.m.ch@gmail.com>  
**Sent:** Monday, March 11, 2019 10:13 AM  
**To:** EEPtestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Ulrich Muller  
ueli.m.ch@gmail.com 96746

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5IFqMaRn-2BWKwY-2FJpRZ-2FlcNq7PSxSqqPiFPgS36ufH9dO8WumgxPizmo4b0v3wS3No78pekh1-2BW-2FqQJciglTqW-2FhvHnbpiqjg9cw-2FLwQ2yaiqDCIDwGfHX11rCw7v5AE6kaykeOaZElsLhVYsi-2FYWp9FTx1Lpt2HEOZwITwGZ63yk1qM9TFan30U-2B-2BlkZA6kbS-2BAaYjndJyXaHasWhlIdkkmp8DwiOIP-2Fdti6yqHoZySsdyBNNtDPqIHsT-2BBmG9NXHibNIZZZQHbvTC5k80VD2JAmOYigXCRb2sE1M4w81afM-3D>>

## EEPttestimony

---

**From:** Linda Morabito <lindamorabito@yahoo.com>  
**Sent:** Monday, March 11, 2019 10:09 AM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to residents communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels. In fact a bill to incentivize residents to continue to purchase more solar would be more appropriate!

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet. We need to provide all homeowners the opportunity to purchase solar. This bill would also put your constituents at the mercy of the power company, seems like back to the 1990's when the power companies hold all the cards but with higher power rates (in the name of improving the grid for solar) on top of it. Please give residents more time and encouragement to add solar and improve the quality of life in Hawaii.

Sincerely,  
Linda Morabito  
lindamorabito@yahoo.com 96740

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5l8OnoXO52puRr5W2Qvgk4A-2FjAomTfkeNScYkU5o2bBkbxyfeRSAUnM1Yjh-2FP-2B2eXHnmNOC2nhth0K3OmJ9somKY2xzrcoBRRx4pxcSjKM-2FjoZ440lcnT4K4OrBS7tCnITrO-2FC6u4j10RuMJX8h8vNBuNYP7kh7-2FAoe6PsoAWtli0ccNN-2FvsdJ9xJkfigSJChFYg3FO5Hp2xAf83YfxZ9mk-2FqOU1cDbrFtJlJsrppBxmADbmFsU5PZaldAq2fcc89TA-2FKCQ4k1QDYLnSZw5osT3-2BHBixvmSvD5LicO1lw1j8-3D>>

## EEPttestimony

---

**From:** Beau Petrone <asmininspection@yahoo.com>  
**Sent:** Monday, March 11, 2019 8:46 AM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Beau Petrone  
asmininspection@yahoo.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5lmUQbt5xsXdzPXy2lxd5Co3ERIkEw9Ak-2FBglcELpzINMVtVQrCFdsFL8YDErgHB66Tw-2BzDYzVLAFDxLEeyJkF6yItuwO9RMVjnrQ5A7vwMsVJgBeqnLghTYAhGfq3XCAh0IWlax9GPS5Np7cMmAswTbIRsZ4T2n2B81qyYg2hgfDPWoRHV98ETpvu5kn-2FwZO7aI07uTbUDchx8dZHFO8v6LvrqSkawzvfuoJJE0GBoQpB9Z-2B5t1aZVcgHrnhamzaDuvscZNqbxBZ4-2FcpkplwHSUSa2t2tX3HqDa4Czd-2B90g-3D>>

## EEPttestimony

---

**From:** Joann Garay <joanngaray108@gmail.com>  
**Sent:** Monday, March 11, 2019 8:17 AM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Joann Garay  
joanngaray108@gmail.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IMhO6-2BQhGzQbGApiBHoV5hdZPJmVdW7xGuQt6qGBMCE4xcH42CTldNK03ioVvotjl-2BclzhItklPFUllYlCyrw-2Fvp-2B-2FfVC70qFzsNPNOFh1GIR005Vk1tQITdXfZfcuLh2U2h9FGJSRq38ovl40kC-2BOQSmYCgLLiISnfYtxRG9F0yau4gN52Aslz8un8U44-2BWkLCN6zw14oBHTVckZeJ1V1cHW7le6d6mQMGVeHFzba16-2FCj7ELiQ-2FPE00CHTnCLXqPHN2ns113RSWHO41kBigZCDFDckiodc-2FeCK7foON28-3D>>

## EEPttestimony

---

**From:** Kimberly Hagen <kimihagen1@yahoo.com>  
**Sent:** Monday, March 11, 2019 8:01 AM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

We are home owners on the Island of Hawaii, and hope to begin building our new home this year. The tax credit we received for our solar hot water heater was how we afforded it. It's been hugely helpful in helping us to afford the high energy bills in Hawaii. We hope to do at least partial solar in our new home, but this will depend on affordability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Kimberly Hagen  
kimihagen1@yahoo.com 96749

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5luFiVJ3bbISPvwmRJuAqBvKbwXYIAy9VpeQPxfFdSUKNfwwkCK1rxhvp0D96Pt6ziSAiin1-2BZvXlxQXhtbqUZqJ7UW4vF2-2Bu2wf3pPMA3KccsfGJDk-2B7BuwjkHemmhBg6hYG2H-2FHjBBT7yZ0JFDSCMiEn4uadlemMOdkXjTA3y-2B2jGViJT9FXbDOTxye1pOBT-2FzZMzixRVKJQKr3C5UfU4PVbTRdklrSAuMIYVQ2tXtYN8kDD5IZDigsVZFdad-2ByC-2BimsrTpLoX-2BijYcyPRb-2Fq97dBonlAxiObybsGJEVImY-3D>>



## EEPttestimony

---

**From:** Carrie Thomas <hbmauijim@yahoo.com>  
**Sent:** Monday, March 11, 2019 7:51 AM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Carrie Thomas  
hbmauijim@yahoo.com 92648

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5lvT6rQBnL9Zmd9T4HoEDdiOBnbXFMTpddYCDmiLajObEcSPutM0K-2Bz3-2BoxCJckievAWE0K1rjEUGhjmG-2B-2BFspyDdUzLX0yuW32DD2GjxR-2FKw1gKeWkd6h-2FqPTDZMS1Y0lz8ZO7HAs4Tt7m0plba-2B5OlRTC9uEzjXIBJkoLrXlOWkEej6RC5MiVhvx30yQHAODDRFGDC-2BLIkEUDSZBylPP19ZsWOGM2Zx3Wz-2BPPLSHSnwiAOiBhSpreXTAKiCmHFSm7vEuwu48jhezOJvt4uvBuLKgNgEFI7tOCcJDwrQK40k-3D>>

## EEPtestimony

---

**From:** Barbara Davis <davis@cactuswax.net>  
**Sent:** Monday, March 11, 2019 7:45 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet. I live with solar, love solar! The sun is a god given source no one should have to pay! Pay for equipment and that is all!

Sincerely,  
Barbara Davis  
davis@cactuswax.net 96760

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMcaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRTeW4IBILfjP5l1fvfOVPJATrUKYsi9-2BXcQujtnKofXjfl1VGisdtclX2GVptJmnaAETkaWG3P2NCICg5ssGm-2FzaY5DXetA5XUFM0ZjmDqrRxE7fMEJLemdRI88MK-2BvqgNZO7JAERL07alGxA2YD0J3n8gR5R9X6IAIQRkY6iwwpUcCz9-2BlyblqP3Pja5aW-2B-2FgseZ4u60v124F6y6aWLPHQ-2FCOVc9FgQGWAHYWH74ka6qlfh7CLTE-2B-2F0mv26MYUnORUMNKKXUjzCZgSpnLq7sTJ8Vftpmo2GITOCcul8TraHCeJkEiTnJMIk-3D>>

## EEPtestimony

---

**From:** Joseph Kohn MD <unsubscribe@WeAreOne.cc>  
**Sent:** Monday, March 11, 2019 7:21 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

There is no rational reason to pollute our own environment or destroy ecosystems. The energy-power system belongs to We The People, and every individual should be paid for their contribution to the network.

[www.WeAreOne.cc](http://www.WeAreOne.cc)

Sincerely,  
Joseph Kohn MD  
unsubscribe@WeAreOne.cc 96793

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRTeW4IBILfjP5le-2FQbOCMtYpP-2BnsB-2FNMI7JZvAQBj49K-2BBQwP6681YAZ1-2BIC7kU6q89aipnPKb02gb0MyblfcTaFqqYtHwRwVJuc9so-2F0GMKMYGYS8HbWX65f06u3IrlnFTUgl5h4ukZHIfSvcThhIMuSLdFr-2Fei5vM556uPOSZ2KS4feOd7MjnKgopd1kts2s9jScLTFg-2B0zsB0xUe5w2I7IWRbWOz1QQZc9q4cZso3K-2BG0-2BvsrmrXxtkKHvKAYhlpj5Q5EoUFlvAogMgC8hvJ1K8LoLgrWU7RixNN6ZwKpvo8jPLUMm9GO0-3D>>

## EEPttestimony

---

**From:** Miles Mulcahy <miles@aloha.net>  
**Sent:** Monday, March 11, 2019 7:19 AM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Miles Mulcahy  
miles@aloha.net 96704

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IFLqGnP-2BJU5-2Bew-2FPnRgUPekgaVMc4281gz-2F0BhLleEYQCQ2ONjAbOhdFEiXPW-2FA1SEj2aOWaWBwbwgkA8cbXqHZ7sDUmiUeW7yilWycR4fDJ1gsQhfjrMUf68IVpZwAF7FAzjuzFayFpfhmLgVrlyUsHRI98vcTHHOoc3TLcXk3fYLQPnE74GXKUxk9nTs-2BSW1VRBKz6Sy9FBHZM0AetmTqf1bKoPOgZ1a7K3ABK8bBcbSMEILu2i8fqy5JTmaly1H9Itbc9tHlwXhRJ3VM7XeukMdRXSRT-2BHIXjbA-2Fv67AA-3D>>

## EEPttestimony

---

**From:** Arthur Kennedy <arthurfrederick@gmail.com>  
**Sent:** Monday, March 11, 2019 7:09 AM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Arthur Kennedy  
arthurfrederick@gmail.com 96772

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5IQ1ukfoGcV-2BMKlyQ7Si06D83sc3j-2FUwG-2Bo1itrdOqRsJzh7HobQrCOF-2B5epvs7tHJAMohfW5XRtqU0PdDh7SWkkWo0SyAU7cc1HOsLIH2Q8qd0-2FvF5d-2FFJqvDyi-2Fk8QCjBA12VejH9of-2BtAqb0-2FiXivYZHTX-2BDdKCvqgrA4KV-2B6oZQHZWKEu7U1vvim82bQoLBhTvDpTO7p134l6PY5LyxGyMjKQJD96ZJ1CPX7MdXWpjCY7nNwd7fCnlajpiB-2B-2B2LRcj0aW700Gdf9MbXLn4x7IAIRmRme1cdATRVQKug-3D>>

## EEPtestimony

---

**From:** Fiatagata Memea <ftimali@hotmail.com>  
**Sent:** Monday, March 11, 2019 6:45 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

I support Clean Energy and this effort to heal our islands and its inhabitants. Why not harness the problem that will help heal these islands for the future of our keiki's.

Mahalo,  
Fiatagata Memea  
ftimali@hotmail.com Kahuku

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlLfp5J5xodxmS-2FxO2JzQOfjISvswadJqI5SDRjRq4gZs-2BuV7GPdny5iQ-2F82vNm6IZrg0XyTaIYz6DNb4ukpQ02cEzR9tG5Neg1WEYGqJmK8Gs0-2BEyiAIXerj6rHMIq8KS4LNubmNnNj-2FV2AQkFrvnMuc6I8IFhQ7-2BnFEWy4ezDLZwLxZ1cgV3IW339AVEPeA00dtkFI9yn9-2B2LtraCaPKyLuEOEwzydKc1q4IH-2Fo4TgnzNZ-2B0cBkCE3QvNTpw8nLLUF7IIOEUD7sLeIopLbjXZHfUOMbvBv3HcN2Xv-2F66n5e9svgE-3D>>

## EEPttestimony

---

**From:** Diane Harmony <alohadi2u@gmail.com>  
**Sent:** Monday, March 11, 2019 6:33 AM  
**To:** EEPtestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Diane Harmony  
alohadi2u@gmail.com 96740

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5lcpGDe6-2FHq3Zcy5Vozi0v7lWVh4qgzhlPib5dUPLjLs0EL1m140pMPzdiDPmU-2FWQk6T9HLqFDcSrDQsOy7SStOS5-2BJTJdfX0cjPhu2cyVFPrU8q2MCmNsSpmgYT72r0GvcxXL0sStim987PQt6-2FOOJvj4dZKIMw0ZVT57YTy4wimn86Jismpd5-2BUJkFTrjBjJnKjd8Dke8qlqL5BR3ueQ-2F4Tc9zTpz4sVzrSlcX4T8Tp3-2BmRK9PBE4bEBDW9PJfckS30HxYDxUWuCi5r-2Fp-2BnuWPVU0-2FolCoSgCrk-2Bh-2B-2BSyA-3D>>

## EEPtestimony

---

**From:** Sarah Padrutt <sarah\_342510@hotmail.com>  
**Sent:** Monday, March 11, 2019 6:18 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Sarah Padrutt  
sarah\_342510@hotmail.com 96814

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5IBki3-2FCpnkhlG2XCKkhDawhEPeXOne3f0Zau2MljSrAfs82IBQST1IM0zNaqcZZReZ-2Bdx2AT5LLYE86-2Bab1CeQ6l9G1fkcu0QBZpVLR4mj-2BOxs1Sep47RbvGExuZGiJmIGY6wBuPg0oATB09tkRa-2BITBxtO2CsstQ5tEjReZBpfr7DDkk4LO5-2B-2FvRWd9TQCtkvplvjybJXaOVTEJwWOpG6mCX7uSOPG6tllW73ln7j3actVyn-2Fz97BEka8tNtc8fYZZI-2BdGtyNrnH6vmB9t5mTFyuy5001UV4V3MUdysFiY-3D>>



## EEPttestimony

---

**From:** Jake Luedtke <luedtke.jake886@gmail.com>  
**Sent:** Monday, March 11, 2019 6:14 AM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Jake Luedtke  
luedtke.jake886@gmail.com 96814

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqqM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRTeW4IBILfjP5IIWVO1gWA1o6FO7ugvx-2FvohNONd3o1efuNDKwzKiGIIQuWt7E-2BlSMqpKejugXVCBbNINRdn6gggW-2F9b7OfFgqWZHuURFwTohXEcCvxzLskHX7n22MrxIZ3-2FE0467nhwkIzwW4GXCniMCoNx3embT736UycS2F3dpujqlWNI4-2FdxXQkacEk2Er5HRXOnXVo8sjGWeH9Hd-2Fp0-2Bg-2Fno-2BPB3rz7nk4cnCb-2Fvg7SOM6rgAhILIGEprMnnkcqM2Fr32pCgNEy5AAG8bh1xNmXIsKFjaCF8FuMSlySPRpBew2cSnARM-3D>>

## EEPttestimony

---

**From:** Dwayne Munar <dwayne\_munar@yahoo.com>  
**Sent:** Monday, March 11, 2019 6:09 AM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Dwayne Munar  
dwayne\_munar@yahoo.com 96792

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5I-2B7UnWOSuJFQivMGtQMqCR9CwPuLhTQOxSeZrS12aoweMEU935oCTrZB50L8B-2F6Av2yfwPN-2FnnvO9YTNslAeoYMcOgDNBnwm5VaPcheQdM4ItIM7KJ1nK9kv6a5IHbOql1oL9Sz6esluzf45IT89jOKjTbJXaoChn9yDltQaFwnrCRDkGS3uCSmuQjLe6-2B5zA01mr3zIVOsESP1EimhCGpAcxw36IY7RnnsL-2BbtUY8oa56nJaa6QJ9XSKt10eYu44qba3mimHZkl-2FhjImrE-2BZna-2BsfNSK43u4xUf85yzll-2BQ-3D>>

## EEPttestimony

---

**From:** Thomas Blackwell <islandleather@gmail.com>  
**Sent:** Monday, March 11, 2019 5:36 AM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

This bill SB1163 is not in line with the goal of freeing Hawai'i importation of fossil fuels. I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

In the '60's a company was marketing a pre hot water heater. It was installed in line prior to entering your gas or electric hotwater heater. The owners claimed by 2000 every home would have such a unit. Instead of joining with progressive thinking, San Diego Gas and Electric paid for the removal of these units out of fear of loss revenue ,

I STRONGLY urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Thomas Blackwell  
islandleather@gmail.com  
Waihee

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRTeW4IBILfjP5IP44Zs-2B5-2BuQ-2FYX0p21JQDBQyoyePGUP-2FB-2BEp2gs6Acl8aKD-2FRNk6EHsuw1jL3fDpvlkE0LTm29ycwPhdSU0TmV5Md6GvW0N06L5MHVisePuoW15hX-2FkehfqdhDFCpCNdmjjOeBKj3mqAMWZtTkLzc-2BuUZJ7ISco-2F-2F-2ByMNVZCxbF6w-2FqHoe-2FUj-2BW5roeq5iSx5qGrYa5w5fDY1W5ysPRDQgIL-2BU8wmPTLMT033AP0YA6DOxDITdhLLV-2F6VIJG1UzU-2FI5ymO4xvQs-2FILkE8chL-2FLRrLyv8dcNEelZVMgAQk-3D>>

## EEPttestimony

---

**Sent:** Monday, March 11, 2019 3:59 AM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Elizabeth O'Connor  
island.auntee@gmail.com 96815

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRTeW4IBlFjp5I8agqfjW2ANU-2Fb-2Bd4hyVjh0V00rLe7cZ7FphrkkDZXbN58dhOwfYtNhhyZ0p0nLH03sGX8-2FsMgn3T44xvUd53BCmRhbiGj3riZeV1FPtsMIz61ct9DsnmGDJXoVg8XplcWE8yuahYTCaRGWoomeLzlwcC6c-2B0UJx8-2BwsSvYGamLyoOTrDwS-2Felp2qvkizJqKqGV3S7FfZd3diTz0UnaaCv-2BJT-2Fii15ytMy-2FnWY7waNFamsGroFFBBCHjCpdUZ7r8uK33dRmE6-2BLn-2BXxBIaxODW-2BhcjCKi8UI2ZDirQud-2BGf8-3D>>

## EEPttestimony

---

**From:** Kally Goschke <kallygos@mac.com>  
**Sent:** Monday, March 11, 2019 3:57 AM  
**To:** EEPtestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Kally Goschke  
kallygos@mac.com 96704

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5ISAvAR8XWHmhPkNIZ6-2BWkvcYjGcstGRkiBEPbnjsWB6ulMrWGCnhwWtgmXmc7KJmLfHwUFYM6CYBhKOG7M5ZMaMoQWz78zvPQMbeYsX8z M2tZLwnAdwvs1DqR-2FusjRkQm9moRdELbgShuKv4bDTINM9SLJneTz7rWv413YPtEh4kBMvdAatudvPgDvkiT8L-2F5XxbxEV-2BSgYocC7B7x0SQMzyoMGIP0hX-2FD9Q-2BVg96n9Fm91ul-2FTZf3gU2ulQ9mrcPIJTQbkoaDxDdW7wJaoDQxTSSLvTGaKaLnYptSHt5U-3D>>

## EEPttestimony

---

**From:** Steven Hobbs <ponani@hawaii.rr.com>  
**Sent:** Monday, March 11, 2019 2:49 AM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels. Our home has been solar for many years now and many more should be.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Steven Hobbs  
ponani@hawaii.rr.com 96744

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5IGDJBTl2Nz3zRo1C0bzaxXFwNwd-2BtlzmjrilPDC3BDrETzISOQEMv20-2FIE7PNd0pNiFGZAUDn0N-2F-2BLgJyQ07MrMolAw5GHmkG5VbvHs5-2FSuq40jp-2BK4Bs5hWDSz0kZEEBIZo8em2ybibX-2BAOOPBzUSklpFULZVxZ7D731gxrXPNwXEfhfdNx1KalF7yJOSv85Qt-2ByxvtWZOajlDyvsD80AJmBkctpu5hQa2tc22hbGsN91b4-2FzzxUGH-2FTFdiHJ4CtgqU2WLG-2BHuqS1rebzWebjnl-2FLwRxd69QBOLyLBjNHA-3D>>

## EEPttestimony

---

**From:** Marisa Provost <provostohana@gmail.com>  
**Sent:** Monday, March 11, 2019 12:52 AM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Marisa Provost  
provostohana@gmail.com 96708

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IBiPzc3tDDcbZdz7vC9dYk58PVehc0fQU2uHeTYgAhjY3VWQQte68E2a5IkCHDLuDNUEh65BK805JZnKNJ8qjEhxQxdhZBstC3wbvKTT0P8KapXUQPp8VU-2FHqsgyB6YxSi81-2B5ZJoVHXLswdH6Ho4KGlVayAljBreDFI5suY29D049-2Fznlr8dRxmyy7LDi1sF-2Bk-2Bg2FYbEoF-2Ffgkq-2BuO5E3M0jscPwbggjqkGJxSxrMkmwA6AyZmzo4Om7xhnxzdINRmlfrReSyJK8r7mGT85Ncc5AIPNJffQlbMMmD1gX1Y-3D>>

## EEPttestimony

---

**From:** Michael Gary <michaelsgary8@gmail.com>  
**Sent:** Sunday, March 10, 2019 10:48 PM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Michael Gary  
michaelsgary8@gmail.com 96778

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5I3Igb5cply4YP-2Bqucc3HE4X4yTFop8OtNzLLrrQII-2B5GdJa9GbQRp8A8cCAQj-2Fn-2FdKlvi2esLkaIBSvi-2FTn-2BqpTHkxeaUl6j89QzFSGbf9iG7zPkEivEb-2FvmXsbRxS975R5aUk05iMtmgXi11y5UhrbuNxEFznH6Jnt6vjPC8pKarX7p-2BE6zap4Ow50ALm4dMqXjldm1bSC2rf-2BHZpp64SwINRzJuSWMTMsRpwbGyTgvCRgA9cj23tOikwQy2FSaxrwO-2Bad0e-2Bk1DCftT56QCc4sSx6OHR9Px0vWF8qMKVo-3D>>



## EEPttestimony

---

**From:** Elisa Plauche <elisa8094@aol.com>  
**Sent:** Sunday, March 10, 2019 10:12 PM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Elisa Plauche  
elisa8094@aol.com 96708

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5IEui-2FuLKVbilLxqvxoAIX3Dcqq9EjC4Mjd08-2BUY8JfgpsxITgh-2FeCltjKSkCrvkJq2BNp-2FsMJ0B5JDpPYDwIhIkudDrqZAxZSs1xKVgJczhKPIsuTvzxAo5WVw36TsbzI5LGu-2FPh6Q6wTPI9VwVCwNhLEb-2FVg3kjNqxYH8ORAq4mFDdQrB8ntkSSvKxZnrca4A5utbxKVIRIsXWU2hD-2BKnuScmw-2BS7rBy3EP3pCTZu6lGtzllvsLZ4b1Vyzu5czA2YoWUQBc3gRaV1akghZ339rDfSI-2BmN0DNtxJi17kSZIQ-3D>>

## EEPttestimony

---

**From:** Jon Krainock <summation\_jonk@yahoo.com>  
**Sent:** Sunday, March 10, 2019 10:08 PM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

My wife and I live and work on Kauai. My wife teaches at one of the elementary schools. Electricity costs are so high here that we can't afford to keep our house a comfortable temperature in the summer. We have been saving money to invest in solar panels but now I hear that SB 1163 threatens to slash the renewable energy tax credit. We need that tax credit!

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Jon Krainock  
summation\_jonk@yahoo.com 96746

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPwDm-2BSrRteW4IBlLfjP5lkmwxwQgqKN3BY13tQt4ojlJjhnAm2FUTWK1Ub4wgbj-2FzQvj4jA9xT3QHIO5meCxxRS679NN9700sWqX-2B-2BRrW0sjTx5y2-2FGJbXIPHSoPUXPIJgrQC8K-2Fnz5-2Bq1fOor2PB1SKHoDWsEtVrydLsjtA2jTYX13LYIFEIQKCznAANQJh9zMnQNVza-2BQLRMKWE3mTyb47LvPufQVe0t4umpt6J5waR-2F8m6O9x0Z6823E5Pup84ad83SWSVqnMAO-2BnXDmr6QSDiK-2B-2BNH8R-2BX8FNCRGnDunouQWqBMgnLGR3xt0KPo-3D>>

## EEPtestimony

---

**From:** Doug Bausch <douglasbausch@gmail.com>  
**Sent:** Sunday, March 10, 2019 9:43 PM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Doug Bausch  
douglasbausch@gmail.com 96768

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5I43fLiqCsa9-2BcnYvkO5vDOH11KY1zIQF-2BejSRnln33eOgJScoeOOoN3-2BcUqZT93AqlvkXbxIjKCKMw6qjqi-2BQfUJB9AH1Mkhk4GcHSbmjiwlep514PKLD3dxelv1P2Ia6NSfko4Dqe44I-2FRdYbai1va4dLqGl2jCSuLAbqqoqSfjh7plQM12a5rtRzbfCt-2F-2F3GM376w3mluuMVCqInKscSr61UOSeQh77kplRAHcBAF9m7KnGgBYSC0fDScRVBBC1V1v9jboTvb9-2Bx0p4VSD5tqmEkdP-2BkL2Ilanmyhduc-3D>>

## EEPttestimony

---

**From:** Ryan Christopher <ryan@earthfriends.com>  
**Sent:** Sunday, March 10, 2019 9:42 PM  
**To:** EEPttestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Ryan Christopher  
ryan@earthfriends.com 96727

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5I3uUXjvE0znrK mzLMork6l6y-2BPU-2BcGj2X0s5aLbC1TJ852jypcB1hMEfaQ0ieugWcRjWhH7j1KAuVRif02hQe8lbdLJ-2FisSqMw-2FLCvBrK43q1-2FdmyZ4sNnfZROQNRNHSalb48xhPOVuKfXcNkjs5nb3bQWYJlztzBXbSPRqz2kDyvz1zUwsAx0-2Ff-2BAekS8VdSrMF4Ya8GHIEsZT6D-2FHvfVMZjnwGijIN3dLLJXVSKyB1nNDcnY1l-2F0yvOexlp63lq6B3LKhGo4ENBei6e62-2FzAaM2PUgA-2BaXWCuDa7WYUic-3D>>

## EEPttestimony

---

**From:** Richard Deleon <nalowings@gmail.com>  
**Sent:** Sunday, March 10, 2019 9:21 PM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

There is no excuse to support ANY action that undermines the growth of renewable clean energy. To the contrary - your #1 priority must be to support renewable clean energy - the stakes are much higher than short term profits that special interests in the dirty fossil fuels industry promote. Our life on this planet is at stake - the science is abundantly clear!

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,

Richard Deleon  
Nalowings@gmail.com

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lcLx3AZF-2FohcDNIZKIRd1EYst4xH2hDABsGkFpCccnZUDO5eo1wENVQNaor88T4aOEvu5ISN-2F4AIP0KcoFONJxkWipZaSYtbcVYQRKWeBEkbNhr4zP-2BwfgDq70aYEzERKsYwp-2B1y7VjYuUWqKlfsY8-2BGIIpSmAVxe2c7jZCR9QX-2BwyowG5P647bOMtCidPTIBCUSUoS0lj-2FHAGDtsw2Km5ePcEbeUyk49u7t4PwViWMw3H4OYS74J2wZwdXV9voXaN5I-2B4wsieqBzgfqoy1TloXqG3ymAgsP9ubzMd2w1QLk-3D>>

## EEPttestimony

---

**From:** Gyongyi Szirom <gszirom@gmail.com>  
**Sent:** Sunday, March 10, 2019 9:21 PM  
**To:** EEPttestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Gyongyi Szirom  
gszirom@gmail.com 96749

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IQ8Snu7cyZGFMNSn2sJ2WMU1qCWMJ3C-2FdmnvLayOfUMm-2F06-2B5Qu7u43U4ScU2Nz5wuqQYC5HPbCZHfQZbpKN20NiVu500n18fvfYMFLeY9R0YHPRu-2FasFQ5GSXBMB4GFcBs-2B85zll1D1-2FdMt2INOE9ZEwPjCZ-2FiOWaBxG2KiivOewNig2YVYd8orEEQDqkll8dUiksgkYeuZQ-2BazQTA9Pw59SVmLDPaosj-2BzGH9OydGSo4AVzwJ2524jafRA1HV6A5FKqIGyJkxBR0vEmauGbBIsmY-2FK0stznrbhxySerT-2BA-3D>>

## EEPttestimony

---

**From:** Ernest K Reyes SR <ernestreyes3@hotmail.com>  
**Sent:** Sunday, March 10, 2019 8:49 PM  
**To:** EEPtestimony  
**Subject:** Support rooftop solar. Defer SB 1163

undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Ernest K Reyes SR  
ernestreyes3@hotmail.com 96745

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqqM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lvt0AsQT8wckSQygGNHRfXnxmhUc-2Fs1ljFdxJG9ORG3EtMgD26Nt1TZZcaZaH0lq0jUVsvz-2BsamL0PCOtMAd9-2BNMnmtLgAc5VVztAI42dT20gqGCWfN1KaH0rj4GzVC8ohW-2Fo9WHdB1QHr3pL8uJ-2Fd1vtMqQTwk2TqOai-2FGmxZgkfnIXzhCOPGcgFdi0T1YZd2GXnQgwZlvEouL-2B6gBfLI5TCHT3JcSxLd-2B140YEGYhWOFaOHHA4pwPssEGi681hxTHAA-2BdOsp9ptO-2FnXnS8baZv04Niq8bAQsLJviygWyE-3D>>

## EEPttestimony

---

**From:** Brenna Gorresen <brenmg20@gmail.com>  
**Sent:** Sunday, March 10, 2019 7:13 PM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Brenna Gorresen  
brenmg20@gmail.com 96745

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5I0nCWFiNmO5cvRNWfT7KFPEJqukf83Bfr2NnrpZWaN4KOjgsscUWI9Ub2RXz7C9fvJyB43lgq7PTE6IFHTIAUUFfEuYkNJ7Myf-2Fqeg-2Bbz53-2Bf0XwVwt3pd6tWCS7znJgnphcDFxQv-2BTBSwD49uVT7TR2r4EZ6RNRtJNKnuHF-2BRQbrqiP0vtpnfFWaIXCP-2FrcnhrGLk15kQtLB9wblhqhenWqPrcLLyy7WqHtUggxwPkgY-2FeXIRuIJ5Gn9lq8gfm6Ys9JgLpl55KK9aQI7g4kxPHOpzfBolkOIWvCRFKtAxk0-3D>>



## EEPttestimony

---

**From:** Noel Morin <nmorin99@yahoo.com>  
**Sent:** Sunday, March 10, 2019 7:06 PM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm very concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. This will undermine the clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. It will have the impact of deterring investment in renewables. This is poor policy and sends a terrible signal to residents and the business.

Please support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Noel Morin  
nmorin99@yahoo.com 96720

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5IxA4NE4RgTLetGn5A9VIHqcaSGpr6U4gf8UfSqU7lhzrtoac83qX9KnUmS7C40WlqLFMX4qekUtAiKhO9orpQHqFy7aDSjDBiJ8aDG3AdQTDNsYImz-2BuLGMh9Jnbmy7x3VBaI7lcQT-2B56GIBBtT7Qlhzv6F1J8CbABzdhVE9PcDTvS32VBFxWeKHlI3Mr9pOUcsS5iCdv0tXAqImLaDvU4nYefUx3b0VDXRX71BhMs cMSdb7Upt6sUt6AcmFGfd46rvZoXb0X-2BLKlnJJuLNH178hcpGCT6dOIBwrQLKQSTuU-3D>>

## EEPttestimony

---

**From:** Valerie Muroki <val.muroki@gmail.com>  
**Sent:** Sunday, March 10, 2019 7:05 PM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Valerie Muroki  
val.muroki@gmail.com 96708

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5I4VcN-2B80IqARGX07sFyHLV43rk4gHZpJ6fZb4W7ghH8YayFyNidAtFvvnvHOFr66WT8Ebnd6Hj6mjrlXuI2yYOqT9vrrJuRak76X7FMU0tLtDfq4eDjalazqL4vBp9D4YUxDdC-2BpXh9N9DaHbUkruuXkdkuV0cXNvK4DJYzrrhuBsvD8JfKmoovJm5kuu21KMVkydW1zS3JfdR8klCn0Z1pGUcNITBbrl1wialOUP7H5pH9APbOJZd-2FaDygr6fXDQIR-2Fxa29vPly9gpoUrG7t6y81nENcfknJX46MaAPFysS8-3D>>

## EEPtestimony

---

**From:** Ellen Kraftsow <kraftsow@gmail.com>  
**Sent:** Sunday, March 10, 2019 6:59 PM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Ellen Kraftsow  
Haiku, Maui

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5Ijd7SDybouNzdU29yBOxEgJHkj6KqB8LgdW96zDYpqqhhhy9pVVEbqQvqoWigSKwBiMg2Os-2FY69PkU6HY9pQ2HyTB8whkxqQlt0G3rhTQIrgXQbHegihB3bfYELW77h-2F1aoDmOPkr6ght6ADY3fYGxQpOH1u3OzDtKt0yORqfBjvQVX1Ey7sY4WhnlEDSp1hexLNUI1H-2FQ-2FAjasLQDNJSsky8krNL5ko7RepUR7EGAqTt2AcFk-2FdXhf3BbgaUqCOw3oGQOKHiFdsJwsOQ0p29NfGeVLjujaGEUBs0ck4O9Tg-3D>>

## EEPttestimony

---

**From:** Ellen Kraftsow <kraftsow@gmail.com>  
**Sent:** Sunday, March 10, 2019 6:59 PM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Ellen Kraftsow  
kraftsow@gmail.com 96708

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5I4d17-2FBLXPoccOtB1mu1NNjwtdkhCOmk8BnE3HPQ2P9nb1NNiGmDu1wMTZfeApG1k6OlGPe600zjKOnmst-2F2A9gkidnds-2Btto-2FISNqKMHT-2FDOhoivnKMwlyr11DegmIkjh9BLJCyNlxif-2BdgwxcODgwBEq-2BgWkBpcRova-2Ba-2BJQ-2BtqTHNzXPKkB5aEN1gips98BDzMR8z67drHWXvRljMB1Y8nXXb08C2iss-2Brv3x2Z0o34ePZTcPWLO4DL4xD-2Bj6nvxTVFeI0YZfqnHhdRbftXceEcTIAO-2F2sleTp5uuk-3D>>

## EEPttestimony

---

**From:** Miles Mulcahy <miles@aloha.net>  
**Sent:** Sunday, March 10, 2019 6:58 PM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Miles Mulcahy  
miles@aloha.net 96704

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5laNBY-2BFK7CuaznG7Vs6l-2BeG34F5I0-2BlpniEC2q3j24HVU47sWh5MaHR7YEDF0Lrz4Xde31PtjERnBKn-2BlrraCEDxQgUkOooAEGhpKEcY1OSccWFiet22dEHg7-2B1ta2mUPb2bYNpl4IQhg-2BTuZvbcmpK8FTvK4-2FIZCFYiE60NpNoCgHiqi8XJxANxvH8ay4kVLbpUkpcsNfPoU0oBDxjnrQoHlslrTbgG5z0QpF083OebH6XEIeTOMFLXWQebY-2FYE1uVAv0xwoKbr8BLRDQyvMefCTLGunfJEM5VZNQgHrbc-3D>>

## EEPtestimony

---

**From:** Jean McEntee <jeanmcentee@yahoo.com>  
**Sent:** Sunday, March 10, 2019 6:51 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Jean McEntee  
jeanmcentee@yahoo.com 96766

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5I-2F0iocgteeybUshEiGQuBn1VrczXKzL20-2Bf22Yb7szmiBvjTlqwRku3yiNZ2ukoZnryKtKd6Vnd4wFWxlxeYQmA171SAVzhke3fRIVbAiBWWhoSiHIVZ901rlart-2BUvY7-2F50YWsiQ6Edhceq-2BP55cy1AYTXeKcnmuZNtDOUWSUeLmmOaqoTQ-2F1UDygfM0J5Oy17BNhwGpmS9KADGJwOdXKmzuMFMqiSboCd92TzrO1a-2BX-2BxBPC0kwrNysvXL94z6L4WZUvkhxgzg6oN-2FslYrxrDtD6NPZWW9avkCncBoHctqHk-3D>>

## EEPttestimony

---

**From:** Nani Chang <durantehkes@aol.com>  
**Sent:** Sunday, March 10, 2019 6:35 PM  
**To:** EEPtestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Nani Chang  
durantehkes@aol.com 96789

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRTeW4IBILfjP5IUjmQUrR-2BRZmlj6WwDFzFTUAJd22OP-2B4w1dBeSxgZTYWtS4KgVmd2Fv-2FDRIbG4aQqQtCkZRJWBCLQxZBnheiVGwi-2BOLi7Bvgsm081R52YvCyyoti3yA5EmcnChX6mGpEwS4Z3IHnlqvlAVka97h6sDkvvGAeGIKF8xEyBmUznetZ2kCRo5SgflPUvjfoxpcds1cdgXMy3IMlo0E-2BDcb69KoiGIXaMdy0UEFwgQ7hXuqSWm6o6Eem6vm2IElxKsud-2BZJy20kYWi2-2BSN1en3vDKJ4bg8HfPK1evlQvKrHnyYBY-3D>>

## EEPttestimony

---

**From:** Larry Horton <lehorton51@comcast.net>  
**Sent:** Sunday, March 10, 2019 6:28 PM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Larry Horton  
lehorton51@comcast.net 95247

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqqM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5IMB5RO4CuOu0iFzSLwS4kSd3r8P8ZjUbNOaFA6HFAkrUnMfy2IITCfJb79L6wX55OQNH9bKE19Aqgx9gm106kGiV0RV7EHJ8JV3ascF0o5Urn7jdTVuvPS7kRvif5a3ePG5VuMESjkuHxG2EClo9wHiH34QyAxUByyeeBmf09YAlmRZARYRL1CIS3EctCoiE7f6mJI1mU-2FYKxO0FQ-2FJQ-2BmiLdXTAk-2BkkHMJjwQHpAzDfUERn-2BsEJnJwaL1i-2BIIQAvav5ZVT2-2FW9574EIPyHi5H5xALfkswq8-2FanP326zCg-3D>>



## EEPttestimony

---

**From:** Virginia Alatasi <vgalatasi48@gmail.com>  
**Sent:** Sunday, March 10, 2019 6:19 PM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Virginia Alatasi  
vgalatasi48@gmail.com 96717

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lwJyJg5hMTIbd5-2Frt4bh3QZXZgtYS6U4qxvodJ0nlR8wPF7UBwhfss5wIVhMWodJy0VJXvdRevskRnON-2FIWe-2B-2Bj1deeY3X55oZlYNjA0xjd-2BGX-2FzOICI0PIbmmaKL6uj2RdbbP1OJHKLgzituEpLjLiKtp6w8AkxVyl5-2B5WurWu3MeMwObrHXsjzAFsol-2BMoLvTuNgz6NSzbpPp5OIRAg5OVtQQqO5YbsNdca2R-2Fk7Kr1rG-2BBJvZ-2F48D97u9J4b5c733-2FUih9EerdDzEDWLC9ZkG-2FYusEqJ9M7qTKgd9E8-3D>>

## EEPtestimony

---

**From:** Darolyn Kua <honukahi4@gmail.com>  
**Sent:** Sunday, March 10, 2019 5:36 PM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Darolyn Kua  
honukahi4@gmail.com 96820

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5levTwVkm7nn-2BhNaN0Oa9yQ9YQ1iM0osKd2TNHJD3-2FxFDBBuXwZvsGiwrI05R6G-2Bk5EJmVbZFI8Yaf-2FOK-2BFLKlf1wVbjGWjpJp6zBT0J3F4aSB9g3rDDsrgB7xkiYITbPqzg5FzOwLETq-2BuAAh5tdyJMWL7CnoC3oTds3L1WeAfQ-2FEhqTnStz3SszQL0CRDwb7j-2FdC8b11KHFZfEsnGS-2BhfRb9tDe-2FnraHxpMBpLcsq0kBpGenIIAF8m5K-2FhlpNqwxWrrYLLlpwZvp1noX0u7E0957Y35-2B2w-2B9Rp7UbtXxF2Y-3D>>

## EEPtestimony

---

**From:** RaChelle West <chellewest.808@gmail.com>  
**Sent:** Sunday, March 10, 2019 5:24 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
RaChelle West  
chellewest.808@gmail.com 96789

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5lwf-2BGsPAbkxa5ewLh6B-2BqmBtkEtamaKQ2VUkKXtclSF16pwdT4ioVgiEQUXoVdtq75-2FosEFXwHwTppGI-2B19EtPxE1Dri90qSyyfcc3WV2A3LD4e5e1NGXpGKUmo4bO097bpi-2BaPYnZSjKvD7aS8qcS-2FwLhSY0vPd9zIznjB8hbxvbm1iR2EAhjjPZhRmbYq7ltG83ahdDUcFfE3YSZ9nfdlAt5Kdjjw-2BvHhp-2Fc8QDntueZ8Z2YJ1HHK6mxU96Fw60s9-2BOPYN3cktGnjK8MzczAn-2FPL3-2FydJi5eTkmrZt5Ro-3D>>

## EEPttestimony

---

**From:** Eric Muller <bl1nk9@aol.com>  
**Sent:** Sunday, March 10, 2019 5:12 PM  
**To:** EEPttestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Eric Muller  
bl1nk9@aol.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBLfp5lts32G1uZcpqjgpzpTOnn6LPizYcMmOrqmhqjOTiNObz-2BQBsbFD8nNLYmVcY0Rpp0gFFBckIXqx0KODjxj5Qyodw2goZTax7Kx3aiSb23NmrW1-2FnJ5WiDg0nGJxJMwl9F72BZ5WbMecggfqCBPfn9GhKqyaUWzX4NlkFsZbjfjzhDkrnONSajkezODF1ynfl9PKs1ruJLfeI3zOs0D77P8tcjJVVJ1EwE1ukT1GZ79K-2Fi5SzHH-2Bir3NeZDXO8-2Fd-2FVi5rrJWQFZJ7RV0MhkeilDryYNX5FWXB5KXYEnB-2FqM-3D>>

## EEPtestimony

---

**From:** Lynne Wooby <bl1nk9@aol.com>  
**Sent:** Sunday, March 10, 2019 4:29 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

As a resident of Hawaii Nei deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

As a resident I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Lynne Wooby  
bl1nk9@aol.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBLfp5IAS6zS76EvmWNQRhjAFFY3kEiBdFiUsCj8AkXMY6mbCpKu91Blq5E5nBDarGTVkb8oV7Qv4yd6EsbCGwlCy0MP-2F0vls5SAmlbGjeXdN2RNplOHvhZzRQwOyrJceBWHSi7jSSON0SCddutJgOeHtV2ZuvgwS50VB93UcR6XyVQDSP2axmzoD7xa09YO2W4CYulYrCfvlgzkwTlyei6fJi1IZdNFuNl1cgowWemZOG-2FlihumdwMRw1H2CN6K0RjQZ45Ib13tpf36J7tCpDorfGgYTMcZNCCR2fHLzo7I7lwJg-3D>>

## EEPttestimony

---

**From:** Diane Herrle <dianeherrle@gmail.com>  
**Sent:** Sunday, March 10, 2019 4:05 PM  
**To:** EEPtestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Diane Herrle  
dianeherrle@gmail.com 96740

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5I4INCpCWJ5QXy9iVfSILInKLyRq1xBVLhWYsVU3j9-2BRxvoX6nijnXUnaEDWDJhkPhfh0gG7uTWntG-2FAxylv00ra78cW4FYET5Jd2Cnem00imyhhZvaUjCq7niYSh28C859xv0y2Gp7RxhRLU9Q4axaDWLDbsegaSBI66Rz-2BLHo11mDI71aTW-2FIAsYx4Dz5fAkXiM3pnkyHe10flXCGJjTr2-2B-2FleiYbFVFYysZqxBhsa4padljLFo8rFt6fYqGCBf-2F1zgq9Lg2YQW3-2FFGz4-2F15AA9gtrYoqQtO6m-2BWxGwms-3D>>

## EEPTestimony

---

**From:** Thomas Lelli <tlelli@hawaii.rr.com>  
**Sent:** Sunday, March 10, 2019 3:58 PM  
**To:** EEPTestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Tom Lelli  
tlelli@hawaii.rr.com  
Makawao, HI

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPwDm-2BSrRteW4IBlFjP5IKPVpk9mAAjb0ZEAlvntCcBuWlkqR37mxei7bjyaCkHk-2FAUq6HLAAqklOVZWpVT7GkXvkylyv7qSZq4ph05ovIX6oet-2BXR9-2Fitb26hzfR9M6EQiXRcgX48XzXMv-2B7ZmIVdy0Vd0GAFyNrzed4-2Bz2Mux9GWBSuMUjOpPnNf0QGYBeBnQPqnU1qyNUwlyfiwg1irS-2BX2TITgXI-2BCSp-2Bb7nWM8eA00nJYIMrpYmCATgzvhLZnkEdQKTz5RQVkjQtU9ezJyi9-2BokLcvqDT348pB7Gdb198yLqnkj-2Fut59d5-2BjcE-3D>>

## EEPttestimony

---

**From:** Timothy Clark <hawaiiimedical@gmail.com>  
**Sent:** Sunday, March 10, 2019 3:47 PM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Timothy Clark  
hawaiiimedical@gmail.com 96734

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5IF-2B3IzT0EkE0vll8TUI-2F58D66TmNGX2DV-2FiMyQcitrkzEm9LpfiFusuKKoxJUa3pkmtADEP6qlgVKtpH4fKcehjLvTL7S9IL6PV5W3UyD3qGQvx6VyZKjfdUllnHppVh-2FgZuaY8putmOt7-2BW61KWjDuUGuxM4HMwR-2BN-2FpLWqf08mRlu-2FsGHEkFTZI7IqLAYpaJulJah4tmsd-2FZVcnr-2BYmQUdrUWtcxtva7X8enNoCgEtIW3LFCvoGtG82XBzE6-2FGGuwRIJjMAgYZTQiILNCqOaMBe2AnJsWomzrJeflkiz0-3D>>



## EEPtestimony

---

**From:** Charles McVey <cbmjam42@msn.com>  
**Sent:** Sunday, March 10, 2019 3:08 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Charles McVey  
cbmjam42@msn.com 96738

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lz1kZvbPuJ8RijrBqsxJQ039X6vvEzEMsgEmUJAV08tiDjcsWEvSRqx9BmVvoCaE1Ud-2B18ZXWIZLEwPcSJ5zLepD29bV5G15I4KQ0tsiECqWt6okN9QHcfxiCoY6uCHrftcT2H6wZ-2BcrMMkZITdtZBuZ19oa1cNkNMGFxOU9B-2FIIRSYZP0-2B0CvcrzBTKvR-2BUPxaRrRs7pbzhX2tllfClIwIHMWkG4-2BowHUQhbGP3fO6C3EUyeu7tZJCAFF-2F1YU-2BQWLIK4y5acKfjM4HVDhA0ppq4uTRt1PIA6wKCSqQSEBFA-3D>>

## EEPtestimony

---

**From:** Lynne Decosmo <calpeach99@gmail.com>  
**Sent:** Sunday, March 10, 2019 2:55 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Lynne Decosmo  
calpeach99@gmail.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5I3uYtfOtCmm9Zuy9iQJQzRjT0K-2By3uJgRkh88R4avyqMf-2B0-2B2-2BfyHSbZmJ-2Fi2OpoHW-2Febxb43Bvv-2FI9-2FonXwHdsCXrPPZO-2BUOhalbkX-2FQcxi-2F5-2FNBX64B3DIJFeyof-2B08vobuzgtE4BINMgPhvtAMMolmil7HytfbHyLXa-2BQY3TrEuKsqlZcKvHXfv2wRinnygjt4NS6-2FWXGyiPMBaAacP283Q3oSIUq3qNLtkluRu5easymMvxXAM-2F-2FyF5XI53Vx4n97120sCICCDctVKdmttHQwbnVRcN3GDA2VbjPE-3D>>

## EEPttestimony

---

**From:** Hannah Israel <hannah\_i@yahoo.com>  
**Sent:** Sunday, March 10, 2019 1:58 PM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Hannah Israel  
hannah\_i@yahoo.com 96704

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IFoJsPugULxqfyGpyv878VmiPqJMPcsXG4YdeFzSDoMe18JRu-2BgSHLd134ayjfya03mgJGWgBdSBuVuilz8-2BUZN7EiWvQ4OctoZvqpVKSJgUd0Lkr-2BLJ-2BbZST73IR4wi5crddPWwyl3FkfZ3FNpLjdB5ksK34CrtqRG2bbBkH1XYk-2FlyB9fvWrv49GwZ3uyI1I8MTixM0kjpBjm-2FzsE6L8VJlu7IYoAIYUNHN2Q1-2FkuxbjbqS7GaSge-2FYv3HjnWERp1E1wJhKmpyP9f6S7EP6SLXfGEz0ktQUEjRKLK-2F7gpE-3D>>

## EEPttestimony

---

**From:** Robert Gernenz <gernenzr@yahoo.com>  
**Sent:** Sunday, March 10, 2019 1:57 PM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Robert Gernenz  
gernenzr@yahoo.com 96734

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5ICVJu0G5IAFGMw6mrvBRnoplDwmrdkZLzfDM2QWLCYq7hCrkrJdUCRu4NW2ks6qTUtaqPyK8PnrBb7UaNlmQ-2BJ421xhu4XUdYUSQFFmIZ7zYeu-2BIR3Kwbq2tVOu91POU-2FYMsFCJ1AR4jGmTh1wDnUok2I-2BqHas22rq6-2FIScNoc-2BA65PTSCgdf-2FpgMBqBlfNAuqMT1-2Bl63uc-2FOsBqF7c-2Fn7ndlmCXe-2BZTmQY-2FXUhdVZdQXrS-2BYD1gkRUi-2FY-2BodSmoWrY-2FifvuLQdzz-2B4Cmye4MqLpbEyAdm1Jvn3g9-2F0prps-3D>>

## EEPtestimony

---

**From:** Tracey Gernenz <tracey.gernenz@yahoo.com>  
**Sent:** Sunday, March 10, 2019 1:56 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Tracey Gernenz  
tracey.gernenz@yahoo.com 96734

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqqM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lbcqKHr4g3PV88sWD4Cz5l-2BTmgFAO58t5VVtUAldo-2F0n-2BJKiLqZ58sOedCvsn8m6EiAwTuwpC7hBGM7yFzSJLd4pggQEu4CYykdUeOLBIWv-2BEITV4RUTgYiKURQo78kOWoAsRi32-2FmXElyMgvmykfBuGdXjb1yBjd7X9G4VZw6zycURtUmppXeD620TuLtOeBxNiMI8RDN52HSh1YNERU-2F4gZHUBMBXZntUCSJdhvz09IYsS-2F0yuEO2qBsbyuUa7GwgMlb228yZdqR397VZB5Jltn1z2z7AhXAGW7unYD-2B8g-3D>>

## EEPttestimony

---

**From:** Charles Barnes <ibookedem@yahoo.com>  
**Sent:** Sunday, March 10, 2019 1:44 PM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Charles Barnes  
ibookedem@yahoo.com 91405

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5I3Yh2fy63x1aX0yky-2FwTtgNRgGAHS0c6VO3N71Vi5KhM8ecDopbA-2BFMGDHunnyss4cG-2B6HDz0KkZkm8MONyUt6OUWGIN7CLRn4-2Fj2Mq3ZoQ0DjvQMHWwXS0UyPLs0RGj-2BnD5bcVuCY-2B-2BE-2BkmZz8uGf0cv2tdnB48dGzkiOHaNSCRss5M6v5vV7flgt2IWF15nInvmiO5KAxaQ8oUIC8CZgltdLaCzOIVfqlMfJvDMhxHnioaH1fipTo4TrjVgdzkqj5tZLZsmWOABF2IBpZOhhRcdDjgkZMzdygNPcFk7K2M-3D>>

## EEPttestimony

---

**From:** Charles Barnes <ibookedem@yahoo.com>  
**Sent:** Sunday, March 10, 2019 1:43 PM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I will be retiring in less than a year and own a piece of property in Kona Paradise. My plan is to build a new home for my wife and myself and I plan on using solar power to remain off the grid. If the tax breaks I have been depending on are cut, that will force me to rethink my energy plans. Please keep these tax incentives in place so that we can move forward with our retirement plans.

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Charles Barnes  
ibookedem@yahoo.com 91405

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPwDm-2BSrRteW4IBLlfjP5lGunliqHMxPqiOHL6RSdMnvFQndUzY5ZJAhDY7TpNYNhQ9BCypz8OS7Qg0E2I9I6wTUiLR31LneeQyLwjwCWESSngo7BnBOD366l93gMRkjkNvXRwsrzSHkkrMf6yuKrVC4hUEf4St-2B-2FiRQXhZ1h-2BGvAs24T-2FJVLB1tJYYAKyFzilbfNJ99LP9qAxB2dEjMNQN1-2FUOhmqROdgN6yFKOGymuTiuYU-2FRo1-2FOkj-2BC2XwWdANMOjVFps1V-2Fu2QiBNCfydeaz9Q2hWCCST5sqAYUrdP9u7cQ-2BRHebyub7SSQSI6MI-3D>>

## EEPtestimony

---

**From:** Elizabeth Havelin <e\_havelin@icloud.com>  
**Sent:** Sunday, March 10, 2019 1:27 PM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

SIGNED,  
THE FUTURE YOU PREPARE FOR

Sincerely,  
Elizabeth Havelin  
e\_havelin@icloud.com  
Box 130 Makawao, HI 96768

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDM-2BSrRTeW4IBILfjP5Ilqozqj5X8b4Ghh07-2BhrDhnWgrGkUTPaoWDOjWO0dCZ-2Bnj0-2FSVY6QG2bxYdh0sK13ihHu5xIXyGk4ZfVxi8HSpPBAiQBNI5e3Wqq8LHQMPkn8NNH5SU7e7EEhd3z-2F2hGYdE2-2BPrHSJ0WOcbsiOCrsxBqXmmfY1mcV1MR8sE2pHqIWwf8fCDyCPd3rx2OZ2Gi4Yh0vS778IdUL4-2FbBhJW5nju4Q2DnY5RKbKgxO-2BMbH8Y8kRgPBMwfQQm4jRcb6eNtDi4OHfxMbiFbj961e09fuJ4Wbe7lRlPcB5fjYXDQOIQ-3D>>



## EEPttestimony

---

**From:** Carol Fahy <cf802060@hotmail.com>  
**Sent:** Sunday, March 10, 2019 1:12 PM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Carol Fahy  
cf802060@hotmail.com 96744

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5ICE85Z8f6k3qFIHx-2Bkwfnkm26jXqwjXZ6FKLBRDYeOunGNTxyQh-2BV1ru6CPVNM05Cy5s4O-2FGwCZERLRS2BhEdXg7n836rKimc0XQPyat-2BmbLMTLIXVGa0E1BhZWN1n-2BtHJelVy32WAaSBAjidizWaK1z0VnbJv7eieCi5Ocn5QuT876obOhAYZkv4R8JRstPCx-2BOXsaxMfKpYTxHL07F7Ba8g8mmQK61wPtSFJifQBCOUxM-2Fapd3-2BnsCrXGFfQXELDtivrXxNs6RoBRc4tORfrKaHjF1F9TrfdIAZaQKSs8-3D>>

## EEPttestimony

---

**From:** Amy Stephens <hammerheadamy@hotmail.com>  
**Sent:** Sunday, March 10, 2019 1:11 PM  
**To:** EEPttestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Amy Stephens  
hammerheadamy@hotmail.com 96761

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5I6RxeLtb26Gvf-2FS0nPtebTd2jOm1MLA7PpsFKYQ-2B-2BujC2Zlnf0otgqiJG1cLZvWx8jV-2FzYzIIQqvmIA1CXznEopZ-2BV7IzQ7VxpzKXJiKS8Wx8dI8ryXPlrViLeRXF-2BGTBTyc-2FudXVwg8dCi4MWRVTmQ-2F7jKizFZGoPQdsDLMwUKq5-2Ff2iTJvDXXE9PciHjkNrTYnkNcTuJlQLojiHScVNeNK-2FjsPsDDRH-2F3XZSUzjclFA7hTUXTVEkbcCyQeXLYlUHClrOLc5qhQ95B9FIMprIxVpiQTwsVvBGm4dD2PnvFhM-3D>>

## EEPttestimony

---

**From:** Christopher Stoebenau <cstoebes@gmail.com>  
**Sent:** Sunday, March 10, 2019 12:56 PM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

As a resident of Oahu, I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

I have plans to add to my home's current rooftop solar system with battery back up. This will help to reduce strain on HECO's grid and will support my family's transition to electric vehicles so that we can use clean, renewable energy not only for home use, but for transportation as well.

Cutting these credits now will have a detrimental effect on my financial ability to make this transition.

Sincerely,  
Christopher Stoebenau  
cstoebes@gmail.com 96821

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5lpXFzRCE-2Bhr5qU4CXeCq9BzfK1LSFJI6TcXeRjFleC1QrJ3f-2FZTwHATeHEVI6Tby8DHn5U-2F1K6Bdl71OghmEUzCz5NFo3v2oWhzkAdsORSyNAj1YeuOfFhLcdxV-2FgWnBLDF5VNAfnQ0wQyBHRWrwuCFhQcrU-2FNo6QUw3ir2XesaCwtCoBiIMFvGvqSiJmF6SqBP0zoGdUPqP4lpLhd6Hw0MzmssXK6zGUCph2gGH-2B2IB3jWls-2FoRCi-2Byqh4ecsgRP3BULUobtUm5PnkY2H9iiTCibYV2Bn3geBuKvWU61Y-3D>>

## EEPttestimony

---

**From:** Andrea Guillory <andrea.k.guillory@gmail.com>  
**Sent:** Sunday, March 10, 2019 12:39 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Andrea Guillory  
andrea.k.guillory@gmail.com 96789

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5ItXq5vM-2B1FNU-2B4qwHXXkCX8pWhOVsLjci1LnB7DDfF65THocp8jf4XRUpuprZ8LcXKuQsClBsoAvK0CBHLkWYikQrW6ELzAUjKPwPKRvClkzUBF54Qqcl41L2tyoeOP1YTCaR33CwRyhirTY03z-2Fq6gooiYPaLYlllks-2B5vOtNt3T7LFYOOYOLd-2FTQQdFW0Le-2BOMIEuqC08vRqUU-2B78TZttnyVDeQeTQxtqgRBLsJfyMotL2XJPKeeErQ-2FmUeRERZVqGeJ90FZ2v-2BIGpewgvjg36tMOMGqNc-2F1r0RYi98-3D>>

## EEPtestimony

---

**From:** Kelli Medeiros <kellimaui@hotmail.com>  
**Sent:** Sunday, March 10, 2019 12:38 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Kelli Medeiros  
kellimaui@hotmail.com 96793

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5I2-2FDYXu-2BZq5iP9VzZInoP9Js-2FMDB7IOdnT-2FpfzZOWIOhIXfixuFrdqPvQj2wNrs50p05Elim9WwQ1VbMWNKpJToCm5NZjb8Veh-2B8eriU0H0F1WbO-2FQo1P0An4fyU5DamtxLuqqQvgowLXAgCbDDJjq-2FmrvGU9nk4zeQ3CQB-2FeQ0iZCx7oPvent6qDRsqv0jE3FjEiBif1OFo4hbz8jYV9oya52gpcWD6PqfdTu9iOZgqfJtz9rI7LeifVOI9dT2rH8lctdC9cUmhA8mS-2F8phSkTpGdDbU272IOkrTo04ibtA-3D>>

## EEPtestimony

---

**From:** Deb Dee <ddkona@yahoo.com>  
**Sent:** Sunday, March 10, 2019 12:34 PM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Deb Dee  
ddkona@yahoo.com 96740

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5IWctaWqzWgvSz4ioNseviAhBEY741PbMF14b57ypBgsNdWmfxpEgTUqQA9noc2MPA9zqjAtX4fjwrVakOzQ1k5SinBz43ONexxHcd7-2BOaGi0oN3oGenioQhehWYAKLUAxqVP41WVdSnI9SKikZGRQNOhsU0dZRab1aVWv5XTWVrmg327Pd1PSLKOJ28ffiEkxsoFOYb7bl-2BgXdOCbLC08s3xuQaWtMWO5Ejk7Sr2DadWNXYk8emHacIGU4b8uHGQ10Cpl5vc-2B-2FaD3oku2MgIDpK23uQ3kGimEYSWOBIYgnkA-3D>>

## EEPttestimony

---

**From:** Bob Beaudry <bbeaudry@maui.net>  
**Sent:** Sunday, March 10, 2019 12:34 PM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Bob Beaudry  
bbeaudry@maui.net 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IW9EFgoYECMpEGBPC22uU9LEmAAGE-2FU11-2FGvkkgf7Fm-2BxBlud05d3IL7tsMQGzNRSOI3702wpvkQ7sZCvgiLtrKpLspDuQqi4unYeAJ5yH4B4GO-2BBXdpQk4I7eVRvo1sVYvgh2ZPqsxuqfprQsOx6MPvKctzGvTdfAwWH1ktSkIriLN-2BYRah-2BUF1RZ6IO02DII5z5SaxmmiG9vsyHGAhQ6B3OOP-2FmyX0td5HxnFiYZZmkMwcOzJcFtvu6aOpSS-2BPZFILul-2FEwAwyuLtcS8334SG8R4zqfLqf-2Fwb35XnPnl8-3D>>

## EEPttestimony

---

**From:** Warren Nishimoto <wnishimo@gmail.com>  
**Sent:** Sunday, March 10, 2019 12:30 PM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Warren Nishimoto  
wnishimo@gmail.com 96701

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5lpy8Pvh-2B-2F7063NM96ztN9WkzN-2Bywj0C-2BirS1ixpUc92QCGipU0P2gNqUod9-2BRdG4da9wZYXBcLSnX9j55W9WK0FDUc4Qkeu-2Bx1celmW5bFaHhdiK3XYDZ46RS9bh7RpdKHy4c16u9kQAKDS7qEKu2GQKbJSqICVKKAsJXTW744LcgscG3313s9BZqP5dVuT-2BYRfpD7naiZtwDVLYM2Z7wO-2BF2ySVuZ00hTP6AFah8py3XOySV5aYatQjjStp7mDGFeRyoYp-2Bqb1ftInEjUN0Lt40zVZ7Hic3PtWECC-2BhVSO-3D>>



## EEPttestimony

---

**From:** Laurie Mann <Immann\_54@hotmail.com>  
**Sent:** Sunday, March 10, 2019 12:24 PM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Laurie Mann  
Immann\_54@hotmail.com 96761

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IQ7KqHe9VyM7BIFDueVjXwRVusD1pDwmt-2FTawo-2BYte-2BCO4wxWvIU6w7bcEpoRdJ8TifNdUILP50TGwFPB2A9KYy7MZzkuZZuM3NGzjsug4UiN237dUooX2svQak4Aoh-2Ba9ad8-2FvKBD1jRyW5-2FPK3zMJGrvbh-2Fzb2wCI9kiQnQ1UgUumZ0SOtUvT5hzWVe1iULvKeWQ0eGH6xvMHQaeJJ27c58wXDNte4ufKz4z8F9H8LuBxr11hwrrVRN sTESRqyQi9hdDKAxCrmKGQ8etYptzHLEj8buTvE4oi8REpZAW5Y-3D>>

## EEPtestimony

---

**From:** Thomas Rau <Dragons@Hawaii.rr.com>  
**Sent:** Sunday, March 10, 2019 12:05 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Thomas Rau  
Dragons@Hawaii.rr.com 96744

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlFjp5leYXuCiW9Pnf-2FpDCffn2ebNqlrd7VNi48VkuBXC6CtwVTJVNbyE4Z8nJ1v-2FN4LqI2run5z9VGx5gahMzlXmS2wGwBxkGYFhQKcH8yKXvmf45DjRhbxSxSHhXcTb3KX1G1cwEageBoPFRc6XKwJxlwAxlYldDqbmS1o963rBxu9M54TrwU-2BN1glXyOYF5S5XLPt-2BEwH5Fp9PAvFJ8qpamIBc30Tx05GSyk-2FMueo9doVVK5DgFmguNnyXZbi8ER9taMabOCIEfHoOHRUMLI6yXCmJRJ2p-2BtkpRSE0BNt7g3o-3D>>

## EEPtestimony

---

**From:** Teri Jennings <terikjennings@msn.com>  
**Sent:** Sunday, March 10, 2019 12:04 PM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Teri Jennings  
terikjennings@msn.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRTEw4IBILfjP5lw4ixgs8kcqrdWgPCItE62ef3I0xFJWnh7zFjvCZ7pK2ODldp-2BI33aimCwMWjdmX02mNsU8PCGIhoEOTx2bdtB63qdgC-2Bir6qz1ZDiQS6uyGCOojPDzmNAP3iIUMrHIP6zIYv4u0s6bSXWmJPwlqj1-2BL6wEfVrp0WxIZSL0eeBQ3NIV5mLqAy2OaP6uT2ShZd8hyCTcKqsBxc-2BeCVlgEP05CzZxnI0CZzdUJh1IOR63t0zj-2BKWsc2fegBNff-2FqV4SEqbE-2BznZa0jm9b1nPKXyr9qH8oB-2FWU1qkknVtSQf-2B4-3D>>

## EEPtestimony

---

**From:** Alan Higashi <kahalagolf@hotmail.com>  
**Sent:** Sunday, March 10, 2019 11:54 AM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels. I am doing my small part to reduce carbon emissions. I have PV on my roof and I drive an electric car. My wish is for everyone in the world will do their small part to reduce climate change. SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Alan Higashi  
kahalagolf@hotmail.com 96821

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lrUvQ6LX2Nleah85y7wZC09LStLhfdrbk-2Byooa2-2Bpy-2FgT-2FGpdj7GyfvHvM5bNJZVNVrINCuvytCrSq9sB3EgZzoZfmM0xewaxzMLviYw9-2FJ-2FyqsqnfA749iflOUUpwxLPfw2DI92fm1PeiZD8seYvmV4BcbQpNTMSxnRgAYBgjo5-2FhESKmFGsKA6uj2YgCujyiVyP6U-2B3FkYpE-2FyytQLgB3YTLf1hzYRGBCX55NbeVml-2BSB-2F80m0x1VUHylolZ76D26OzelaZ7JdxEnuuYB2R6EGi59KnmuGinvCWMAYg8vo-3D>>

## EEPttestimony

---

**From:** Betty Clark <bacanuck@gmail.com>  
**Sent:** Sunday, March 10, 2019 11:42 AM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Betty Clark  
bacanuck@gmail.com 96740

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5lNeSqJz6i5Pu5o1wQqLnN-2BNywZyGewFk8YCxbLBWiu40MbyWBIJRkwJ0ilP3feDla1-2BJ4v3uAzeVS3-2BtqBcixcnFU7NYmTx70QD01vZ0gldXpcMfUQBCmnHdCoEPgnbhVDdS17agT9Ey39T4bitkOc9wysa222G-2B2LdvtV8vbTRRiOHdAtP6vrrLguDUAs1o2BaCRBXDsGDNnoxinWGTxY-2F2r8oxqLx5b-2FKOCe0vXf366EvXJQ3vATLaJ4PLv-2BcRAfnR27VUgKI5fCbsGIQVBkXLP2w9ry1naDQfjAnhBD78-3D>>

## EEPtestimony

---

**From:** Isaac Belez <pineapple1432@msn.com>  
**Sent:** Sunday, March 10, 2019 11:05 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet. Besides that, a lot of us support Solar photovoltaic energy more so than Wind turbine power! Too many people on OAHU vote for wind power, BUT don't want the turbines on their island!! Well we, on the neighbor islands, don't want to have those on our island either!! Especially if all the energy goes to Oahu, and we get stuck with those turbines littering OUR beautiful island!! I see too many buildings in Honolulu that have NO solar panels on them!! Why? You can put them on a lot of buildings and not just the roofs!! Make them more decorative and put them on the sides of buildings to help keep the heat off and generate energy at the same time! Also see too many parking roof tops with no panels! Why not? Most people don't want to park up there because it's too hot! Make panels that are raised up high enough to park cars underneath! That way cars are shaded and you generate enough energy to offset the electricity costs! And those too can be run off those solar panels!! Come on Oahu, do all you can on YOUR island FIRST before ruining the other beautiful islands with those ugly wind turbines!! Mahalo for your considerations!!

Sincerely,

Isaac Belez

pineapple1432@msn.com Lanai City, Hawaii 96763

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5liZs2dFN7Zze0Jj0cyoYY-2BOsqO22ccPA5VKimPBYqhSqs8Yth05sW74oW8ppuPEHcfpWTK-2Bg2IU7pPSI7Ix2nPVKjwD4tZ5ErllmcOQ3JO1n1UhISB8aQIIC-2B37HAm2MUVzPkjH2kMtpY06kSyFre03mHGxs20gKClhx0JLFXnpz1Toz-2Bk-2BWqylkbN2MpYrXkzKNYUueriyGdmWeyO8lp-2FdVCOG0Y41LCNww5yTmOx7XqhpXs4-2BzXyp1r-2FXc1pywjSTXoSnLkl-2BzH0-2FDbfbtqVmvdyjQwWQh2dYKrCIXIAo-3D>>

## EEPttestimony

---

**From:** CarolAnn Barrows <carolannshopping@gmail.com>  
**Sent:** Sunday, March 10, 2019 11:01 AM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
CarolAnn Barrows  
carolannshopping@gmail.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5I44IUGAvXybhQRGncUjsRkWaywdaS4wvKCzL-2BO5md3VOQXjuyZ7CMsc-2B-2FoKI2pMjz2CmZMMnoINQJzrsUQ58q8LIXSNkqn9FLqK2ANtbZjxcswczmjOV3aPS0n5OGvg-2BgK7Sc-2FWp1hmpbNTKAhEkE-2FVEQPO89oL5aM7qgb623wsZlilLyLZGJbfgfhzevSyrWICYUX2ZkOmaZbMHaBvSAwpBZE8uJaUIEw91Vhu3SUddXkZOPCnJGjUw5-2F5h4g-2FMDBFsipxWdmRM1C2mjszzBzTpTW0hT7OE7ED-2BPIb4-2FKck-3D>>

## EEPttestimony

---

**From:** Tom Butterworth <tbtoro1@aol.com>  
**Sent:** Sunday, March 10, 2019 10:52 AM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Tom Butterworth  
tbtoro1@aol.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5I8QPibqUxmBs3G-2BHzFmkAxn-2FghagewbEXrp5JJD84VPicaLfRya0XrUD0zvuTt1m0ZkqkA2Ndtrq91iJFC3P1ieMgJGOO4kCxC4NDajcuvyjeN-2FVtp1mHis3L97t4AVfqX1EUkdNf8zY17P9ytycOuvhStxkdqI44BbI0EFNyKT903XElwE0Joat8SirwEMaScX-2B33ugHiuERR-2FZaT39BtclTCOD7gIJhzjKiQB5hKlqyaK-2FJQRIJKxPam9J-2FbvKACVWkdjTAj8gbrU-2BN0KFsBn-2FHsxUqSnDv1wZPFUNi-2F-2BU-3D>>



## EEPttestimony

---

**From:** John Cooper <jcinparadice@gmail.com>  
**Sent:** Sunday, March 10, 2019 10:29 AM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
John Cooper  
jcinparadice@gmail.com 96772

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5lihRPncAzc-2FUaAotGzS-2FNjveTtDk0tFC2jd2TvrI9xnshqCmCqZDI6sRwDOegvEtZRe-2FVBpflvbW366I618K89rnB2HimBJa8cuiSf6lVe2eZSEX-2BXEG9Z2DyeoAS8cNHHx476oGBKAXp1KqX1HPGnIUav-2ByK8dFILQJtGnS-2FGXYCDQXJEbLOCJmUI8HKGaj08aCMiUf4UmUxVCQpRU9nkwWnzlTOfrRmhr7Wi7B7QWsUOz742CEXL3RyTnnsRJ-2B5yynLq3QseGbr4vhVHqxx5a3-2BYq4ZZxcklAy8UBCBj8-3D>>

## EEPttestimony

---

**From:** Walle Landenberger <Walle@maui.net>  
**Sent:** Sunday, March 10, 2019 10:26 AM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Walle Landenberger - Maui  
Walle@maui.net 96768

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqqM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IRO8WzO5G4FnkE-2F8-2Bw3Bf9ehggfrVklKUYGr5Y9t4zqoPm-2FA4IQVHrqrDnhDTGKBa2nZrVvWv2Q8mErpqhNKSbeJhEDbn2MCrffUfD6dmPO0owN4PA7W0HF7y0pZHZNqetmnQNbhmuMCFrtWvoTvyKlIf4hSKYXYTI82z-2FjzK5ikKbz0h4OODwdj0dfySQhJehVJIFS7KcANaps-2FaVVt0WTPdlkfuZQzfWmOohpHTOAzXzXk2M4K-2Bjn13IABN6qaZOZ3PKgL4-2FBVCRZjvFKLgXcGSZMWg4Cs1wQ0VnB-2Flpik-3D>>

## EEPttestimony

---

**From:** Henry Shinn <hrshinn@aol.com>  
**Sent:** Sunday, March 10, 2019 10:26 AM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Henry Shinn  
Hrshinn@aol.com  
250 Kawaihae St  
96825

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5I9OJ20-2FiBC2k0PbKLwPsg5k16Wsur7eaU32G7hEhJvli0c-2F4h74yq78GXCqTvONWKCRAWp-2Fv3Gjlb6fvcKM701u1g4RMgXgiwD8RTWC8e0HMjDEPTbSgj4WBZDUa6h055ZQg-2FTx1KQNO0-2BeSeHJKIW1YaPzuqutHcBJ6n-2BjED8p3sJvJ7ACvSNkXlqj4VK4yc7Ap5J3xFXVopJ2ZE7ySu2JM4kPKEuaD2gYdtKT8NtTCODSXvSVCmG2rPtGqRFPmfo-2BabbKRHRp-2FDSqjGEFxtJH-2ByhO-2BnMz4NVSFaMV-2FLNs-3D>>

## EEPttestimony

---

**From:** Marilyn Rose <marilynrose0420@comcast.net>  
**Sent:** Sunday, March 10, 2019 10:06 AM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Marilyn Rose  
marilynrose0420@comcast.net 96749

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5I6TM0WsFml2wR1DVocdTMaRjFLEURCRmlhQ-2FVKYyBok2bvMp8QkRmIGS3mnSqrwQcov855im81TfOocLjj-2BaMqpxj9TOrpb3c-2FTGDV1wXAnYUzi7zjZlcevdV2zqpAyRFXh5CbZ7onnxgflKqtJLqpXUAOrZZK-2BOKDKo-2BvjSXJBtcePFmeex0sq-2FMuHeQ-2Fz1aSvDXrxhRqr8FEmPUV7Ewnx9wCzBQnPTFM59yZld4wbxqZU5Lg1e1JH1bpr1VogdJAtHtJ94JkC-2FjmdBdShr6FRwmUGuqlVBW-2FmK31HayK0-3D>>

## EEPtestimony

---

**From:** Marie Cano <n4ink@hotmail.com>  
**Sent:** Sunday, March 10, 2019 10:05 AM  
**To:** EEPtestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Marie Cano  
n4ink@hotmail.com 96822

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5lvmT-2BikS24XFEMKq1m6zarOBbFOnOrsXCxRvCfd5KR1YF1hSM9E-2FVO54jzkh-2Blb6qXPATyzoUZN-2F7ggB4p-2Ba-2B22i7oDRrJTck3evZGRn-2F11zwDlikg121WdPMs0ZQ8-2F-2FIAKJkWFXg-2FERigaaHusUHUijYXcd3mKJenfeOBgSJD4YB1xfV44yqi-2FOS2tTMIA4LXsEFgeabaGe78IFzj9bG96-2FRkK4fyjxABMzkIRctN-2FPjq64wE3ysigT-2FIUVwCOb-2B1rCvVJM2uWRvKEjno6V66fZtCavRPFff8PyKz76KC5w-3D>>

## EEPttestimony

---

**From:** Grete Perkins <grete@mtaonline.net>  
**Sent:** Sunday, March 10, 2019 10:04 AM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Grete Perkins  
grete@mtaonline.net 96708

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqqM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5IBjwjZ4E5-2FgCLAIWS1jYEQPGagdSR1fNJ4mp8skJTwYIJ0KqeQ5v5eIR05-2FnpRWVNleofr0fNyNEuO6UPhA6CkWxybRw-2FCmhTV5g-2FQQPuFH-2BP3xDxg2gvtpgc1NpsEel8-2Bt7dDyfxYzP9IAECo-2Fv0Tp5rnUbF2bE-2Fb22rE-2BYlcTZkS1sF6-2F36nu-2Ba-2FA2JguQrLVvw-2Fv67fqKzAZ9PaHiUR4hU4toroMLeA79bFn5DVllgCQAKtxOnkDDNZ3H3u1zKeQjFrJYX50jt-2BqaYyW-2BtSI5G6Bb2XmRZd4NAO-2F9t1p8-3D>>

## EEPTestimony

---

**From:** Lana Perry <lanaperry@gmail.com>  
**Sent:** Sunday, March 10, 2019 9:48 AM  
**To:** EEPTestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Lana Perry  
lanaperry@gmail.com 96761

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lf0UZ39YyIJ5T2fZc0aX4moSOb1j5CCD3Nj5veJscAudQqVHxAdNZg8-2Bjv0ICqpSGky4kFkKtihmdgjDKILDV7YkHVP6ChhIDupvZK2XpqT3GaUIh8pyb5VyhBUkuYD6yl-2Bg0NJWFFunrAwbngCPXjnEqt5wgON2oO3RYuV2-2FwgPDTiKjQdKp1e5JjilIsgVBB33WHcPq1qRujq6Un1cNSzebwxFh33TYG-2FF9sNliyiID2r5ENRdB89xxbnwSYweiTJ2Ak3-2F7CnhgEF7wm1O-2B9LBXLPvtDQWHaMhEsfjQ7YU-3D>>

## EEPttestimony

---

**From:** Lynne Coburn <llcoburn@gmail.com>  
**Sent:** Sunday, March 10, 2019 9:34 AM  
**To:** EEPttestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Lynne Coburn  
llcoburn@gmail.com 96830

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lIH01noJMx7zrrjNIJ6DtI5vdd9xoevRWNdXDS0DRQCo7fgCAHaHTMLdtQA06eH70Z-2F4nz-2Bb4ABAOWgTm3-2Fo3Uxe4NLp1pxBQXaSY16wXu9-2BaihVnXF4bVLCnu3XoM1Ec2VfFRBFGHNhxcwAWm7JmKeCotuf0OuSK4K9QDIIdAhO-2FmclAukQeSxSDtK98JpuEmHDL7vhdjxaRyIQbBBWY5xROLjVvJeJSVrXI-2BWpbademn1zxWun2AxHSmkRjjRmPEZ1MNz5ytbBkcaor9Yd4otB6mUZnAAB6ye0Y8FMndYYw-3D>>



## EEPttestimony

---

**From:** Clifton Murchison <wademurch@gmail.com>  
**Sent:** Sunday, March 10, 2019 9:29 AM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Clifton Murchison  
wademurch@gmail.com 96815

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5lcFmkm-2FiAb9xqSjvFFfheEza-2Fz2TwSPMGlqiE36HeKbdL9l3XkaA1NQzwapsyY8ANArYehwevTXXtGrxIMUC-2BZZ9vnHWwSkeDzXRaB00mpcG-2B-2FwHyJppeSEeL0wLhTd1JC1GEiakR-2BnqMgqsKx3Z1Nd8On4gZIWp-2FZv-2BLn-2Brq8loON6TwxIADxNRYLPz8hJnqBkxokaXsdUgDALTiO7YmbVWDsn3IPd90phcSWQnSGZ-2FcBr4deJjDoGS9dtMp9cwnDzlhUckYZDBiaYNUbMAYB8hDY3YWofU0gEFwdsTs0nl-3D>>

## EEPttestimony

---

**From:** Steven Clements <hilosteven@yahoo.com>  
**Sent:** Sunday, March 10, 2019 9:27 AM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Steven Clements  
hilosteven@yahoo.com 96720

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQQEgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5IWkbYAgcW9d251MFPtckWyegHC3-2FiE5UDml8B7ApHp7IZ5ggAb5ezLsGT0Qdt4esDxSBzZbEVvQ3Xb61qUYQDn-2FF1mGcHtixt8g87el2jHnC6RydU6tbSM4e-2FA8NEn1eRaB23nEvYXPyMBbRRQ23M-2BsAuPpDKxXFzFqD8Tixl0n1um1MQDNgKaYEPfAf0VEgwd6FZVgDrv5-2FZ-2B2uh73osOnIMfBPqaudOH9-2B9qUjF8fbI0G1shymnODVKI89B6Fj4M3HFQhikze-2BmDCUF9TPTJ8lf3ULGWfNxUtMQodnDbc-3D>>

## EEPttestimony

---

**From:** Richard Girton <girton@hawaii.edu>  
**Sent:** Sunday, March 10, 2019 9:16 AM  
**To:** EEPttestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I lease a PV and battery system from Sunrun and for no money down, I have solar power for my home and save anywhere between \$0 and \$100 per month, depending upon my variable consumption. The more completely I consume the energy that the system produces, the greater my savings. Not only do I help reduce carbon emissions but I get a cost savings on the energy that I consume. I'm sure the tax credits helped to make this possible.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Richard Girton  
girton@hawaii.edu 96825

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRTeW4IBILfjP5IP1J0w5-2BkfAPF0qUok6bPU4Rwgn88aEKKtMXr8AUbDeoaY1UKmyMw7PFSzFCGglwJs3ZYPNAOYJZ3zzmB7orLSRbYewWiXK2cYy3EjwJCRKLZu20uUG75YXZfDjfn01QAuGKDGyF0rrOq4MJ7eimRiCANLPY5Bje7DTQ6x2X0Td2Krr5LvJmbRhEltmoVCumjzgz8VYbJ7vw6zoRwly582NmuCXrHE4ewX69htjqFpdFPupzRjrINZdRTGvxEmtsiboLbLH-2B5-2FOd2Ae76xmOY7BWX0z6cEcN-2B1jOO5m-2FfPc-3D>>

## EEPtestimony

---

**From:** Rafael Medina <sliprafa@yahoo.com>  
**Sent:** Sunday, March 10, 2019 8:57 AM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Rafael Medina  
sliprafa@yahoo.com 96797

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lko3Wrir7GEhS0769X7PDea6cWTJjbEuy6lgTImOd7-2Fn8cnj-2Bp1kKotMOFn9J7UqVaFrPrKU4ZQH1mq-2BkKNfwUjYXvm4tOIK9LphH3JFmWGrmFpgsbFURMeHwJvE9VyYlyQVcPLXP4BcRtuaGt67g5H3a5JoDwa7ocqzP8drtilLFUvjieVMAooh8pmoQOJtwaUf40SKb7yUz261mx3a0qCV6OYmv2tuTnRAYlokkUazjqZxB-2F-2BhblIOTzOzsvx25bx7oBRdMixCjvYYPEvDF-2FZWMZm7Sm-2BwH-2BUOCbavGA-2FLk-3D>>

## EEPttestimony

---

**From:** Joyce Hirano <jhirano@hawaiiintel.net>  
**Sent:** Sunday, March 10, 2019 8:48 AM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Joyce Hirano  
jhirano@hawaiiintel.net 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5I7dVsKuAVd9BoAllqXkHZQHCVhb7okyJELioAIWYvCCyB7cMCpXXr6EuA-2BgpUP3fKZYCaNZ2K7S7-2BjN9-2Be6ATxEXmLt46oSr7LJ0xAa-2B35sU4xDCnpEF5xHOfoOjKlMtyAkzZ2oQyRWf0-2FORGwT1j71qY8W0YRuuZgrNaoJlcFAevbq8Izb15u2MF8r6Qob3N3tZ0HM7GrW3NyEQsEYMKxkMcgjbQ5aGij4EUQDB-2FEQekvbFS9qAvY6tf66A7OhUg01-2BYEOZoPJKcFLY923kntK3D4mzfEE6Jnq7gwxlm3Qk-3D>>

## EEPttestimony

---

**From:** Kathleen Logan <klogan808@gmail.com>  
**Sent:** Sunday, March 10, 2019 8:19 AM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Kathleen Logan  
klogan808@gmail.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlFjp5IVhZx250e-2FmvtYkBIB0MIHPTr2ZxAerWi1scPHrLdtipvRtsuPGX2Rw2KKiEkHvtibYKzlokaytx8VF-2FFTFBjWDaMaPltJiTOAdnNhSAmrQvo5wZHjUHJDqz3dpM5QPS2j-2FWpgobXD8Pez1C4QO3aFdTeqUswAFUAXjYgsSNT8506Ouc-2Fi-2B7T7-2B6OgOB-2F0bnvLTF-2F-2FeDaCbGC49mqQPAaur1BPuxfltLNuMAOEKKVGeIE6uvojtY3D6F-2FdX0rQbfXOpQZHmlz86PjMwwuCZBzFKpO4QyGuGlpFzkaqXJ-2F2m0-3D>>

## EEPttestimony

---

**From:** Marsha Alkire <malkire@verizon.net>  
**Sent:** Sunday, March 10, 2019 8:11 AM  
**To:** EEPtestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Marsha Alkire  
malkire@verizon.net 96740

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IY4O48pfgn7ndUyPzMxzRrT-2BLwrJQP7tZxz6YSOMJ4aMA-2FO8NtfwMmecJ4Fo5fiBBZ06-2BiNww6jvaseTEaiXDXO0AeceR88nc0jIBN1-2B5IJLIE2Ciq2ytxr3s-2BV5ScUPFZop2-2FJKC8xZNxsEgthspTYMD8nM698-2B0en9t2gNpj-2Bv6OXC3Dcl0UEXZJqtKI8mXAIKkJI5Am1-2BP0fZoJpDp1gwPIVZYeQzimbraS9kUrlWzni07OxyWBysL-2FLQmLAOd75QGvE6US6BLMGOBRZOa6iQdYh6YI62arsG6XYsEid98-3D>>

## EEPtestimony

---

**From:** Angie Federici <mauiteacher@gmail.com>  
**Sent:** Sunday, March 10, 2019 8:09 AM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Angie Federici  
mauiteacher@gmail.com 96768

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IURekgCblCzJgj63okE2cWhY6GzscHKD4Qb8E3GYhqNLexq-2FDohF-2FrS6t2aslAxeUSW6OppP0AKxIpcR6gleK1HJTtoaOCTxWKmiZ7z6DqCl4tPsZK8CbfMKIjwtePPegGgF71TBTQubvCQXX00TUNr-2FdwdqUy2R0-2BJEQBF4SY-2BxOQDWMO7KjTzYVL-2FySjNefBYkCtfrLH1EgFbAk5K6Z7RZBS06-2FigSxPGhKYAcIO71JHCIWaXQQ58-2BnVvsLgb6n07D7CQ2QvZ7AFAl-2FsQa4b1DLuaEHIZ9ok1TYjuBKPAA-3D>>



## EEPttestimony

---

**From:** Carl Miller <cdmil@icloud.com>  
**Sent:** Sunday, March 10, 2019 7:55 AM  
**To:** EEPttestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Carl Miller  
cdmil@icloud.com  
Kaneohe

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBLfjP5I523Rm-2B5wVh6krGRfpJ-2FvQJdeBdl6bB4lgFHGqMEYJ1sNbynToXuwPqkoPo8NOgnsch3xMw1WuTKguS3FEPUEF7LpH1LhqYMwoW56dHOSNDqaqU-2BjXkn7a3NRK4k6I69ruACLUr4nqePonsCiwTMBIJJLeQIkV8xgGYXyUnDdfilX-2FSMhwVgtRDH3n4HTDkfJx6Sijq7A9r0QQiWoU3LayLsmsxrbRv1okIEY6LrTgdU2tVwmu0GnkhGen0pfZf7otafGLx4t2N592oKw7nOTXfF-2B0afITrCigWqBkelAvY4-3D>>

## EEPTestimony

---

**From:** Patricia Cadiz <pbc5@mac.com>  
**Sent:** Sunday, March 10, 2019 7:52 AM  
**To:** EEPTestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on renewable energy projects and storage in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have reduced our need for imported, dirty, fossil fuels.

SB 1163 would phase down Hawaii's renewable energy tax credits. This is poor policy and counter to our goal of 100% renewables by 2045.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. It is flawed and disruptive.

Sincerely,  
Patricia Cadiz  
pbc5@mac.com 96779

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5lONfikkBetHHYPe2EyCX21uZETGiEMcvzq6bi-2Fr8A-2FjPz0BnnXoj1IT3hjqUQ0Jj-2FGrcIjcWmceC-2FG-2FaPDhCIWNqXOIMbnblLUL8yuzSo0cFA5yZ2D7bca8h8-2FX6FkjMvohqygDua1E0iVDKGsRz-2BrJa-2FDC91eQAXw6OZ72qf7DXDyLxoL52KsgSQnUcoHxDAU7wuvJQ50F69y65usqNbs6fUStbn-2Bh75kJd5bT3y-2Bg05SKEwza6ZMhsd0pQALcjm4yM5y96BAcjZN6cHqkEXrTwaAlc1jqyLUcfyeTYh32-2BA-3D>>

## EEPttestimony

---

**From:** Linda Bess <lindylbess@aol.com>  
**Sent:** Sunday, March 10, 2019 7:49 AM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Linda Bess  
lindylbess@aol.com 96825

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IggqL39EEBUSp-2F4jibWlijdqZUqnwTHPaYOqgqHVS8VeT19mxS5Z9WKOJvFNsPcxWKP-2Fz5pScqb-2FhBSqrIU2EcJSBzpL4flzGzEC79sItLRiF5TiNHwvUuWbKyBmnW8nPuoN5qfr-2B0lvfj3fal3G4JEhbjPatI91FkLmhZrMVdztsH3zuFqyv1U1vs1cdDnEj5Igy9xiwrWluqOzTXxur-2BkO9d7YgMMb1-2FrVPDY4T-2BXxtVYRLIZ3feZAFymGB0QY2e8t3sk3W3O0Qm-2FNvBMiejCKzreA0NJ1ES9GL8K0KNSeU-3D>>

## EEPttestimony

---

**From:** John Seebart <jseebart@pobox.com>  
**Sent:** Sunday, March 10, 2019 7:40 AM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
John Seebart  
jseebart@pobox.com 96761

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5IHOA8bOWIfq-2BYWUJkLarVOWTH8Yo2RjFrjCalsTMII-2Fy3fQGQoya79LNGSZL5kUgQCji42-2BRLI0JdIf-2BFKpTb4BaVZyhLBRyUZp4BF0vFI28o7KGducSvRKhGB9idhXqyUYp4azNIMrrivRAR0q-2FyAiQEbw-2Fiv6C5gK3TlkVN9zmkYA3jAVkfrZOubj7ikl7RITJGzyBaZbCSiMfPBLQXIuyyrZ86sFR0cHnPGZOPfVPovZ1zGZayJG8InIm-2F9eX3x10qsFt-2BE1drsCtB1KQZZ2updaBl4CcezoRHn-2FyEfxw-3D>>

## EEPttestimony

---

**From:** Sharon Geiken Westerberg <kahanastreet@yahoo.com>  
**Sent:** Sunday, March 10, 2019 7:37 AM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Sharon Geiken Westerberg  
kahanastreet@yahoo.com 96746

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lrZfc2NcBiWL15uzyLB8W4EW76X9bcnUFdE7q8TN64p8hWJPEyFPyweGJIZXoBdm6-2F-2FMIxvAajy86GP23ec87QY9-2BEcWwnEW3OBzwcgdPC-2B2T0eTLyg4HOTFH1DGZP23yWp0D2OIAFQ6CsWODgNlyCDTFqU7Dx-2F7VKVLdBd06sQTOI7i4k1hD1NO9SzD39IAT2-2FlycN8f6V6JRFNWkNdZCZ06HHUMSsHg5NUqY6zY5Nb6d82CC9d8D0HynJml6ciW7Rq7wVsHSmrCdKwRIVMwYKLhQV9EIsChMA-2FylRtSk-2FWQ-3D>>

## EEPtestimony

---

**From:** Rhian Campbell <growinggoodskauai@gmail.com>  
**Sent:** Sunday, March 10, 2019 7:37 AM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

There should be tax benefits available to citizens trying to do the right thing for as long as we need to keep adding capacity and/or even replace older renewable energy systems. There are new costs to solar that were never anticipated by customers, such as decreasing credits from utility companies, infrastructure usage fees; and maintenance or replacement costs for poorly constructed, mass-produced panels. The tax benefits this bill seeks to begin annihilating help offset those costs and give individuals a small kickback when they need it most. Please keep these tax benefits in place and prevent Hawaii Electric and KIUC from forcing customers to stay connected to the grid. Companies need to offer a service people want in order to keep their products selling; if they're having problems with that it's time they look internally for the reasons they are becoming irrelevant. There are complex reasons for the problem and forcing people to buy a service they don't want from companies that have been protected from competition for decades is the wrong way to fix it. It's time for them to recreate their message and product line.

Sincerely,  
Rhian Campbell  
Growinggoodskauai.com  
Kekaha, HI

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPwDm-2BSrRteW4IBlLfjP5lx0ii5jBFmPg661Da7G1LwsHlf-2BgyF6h-2FmXMiMGuAuRI0tLwUtib-2FKRQLu2Ri5pLLB3qJkx53OT43QhledlSeQMPPed2FFdDSPqjGod-2FqExE8TRSo0D0dLaHh9ffOpAsgwazkMAySDIN9Le3Ud60QJMiFzGLcPmzjXQ8yGGH7N7gA2v-2FOH5ZiAbbdUfBhv35UjiLdCy9CpPbCXIL2EnPAQXP4ozsXcz8PqTrHx-2BSi2DEKvpQK-2Baqf3JpuHAFcQ2IgbAJEmybJ4ZTkYagsscByH1DzICGdHL40-2F-2BcMZ-2FhIMHk-3D>>

## EEPtestimony

---

**From:** Feather Sherman <feather.sherman@gmail.com>  
**Sent:** Sunday, March 10, 2019 7:35 AM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Feather Sherman  
feather.sherman@gmail.com 59801

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lh-2BeEmpOLZ1w2yT4m0fL0d-2BEJbIBtwJeHfjW11V6HPRocLJTogcV8FfuK9vm-2FPYIrejquMSX-2FbU2hcAlcyS8q9c0YteUSnhE-2BdgjA11425N0447tYIYfMZ3tPOHInByQQXJ-2Bl1B24w69Rj6xnhn9d8zJ68Bnyd6ImvGEMH51cLuKMQukli1dFyrA2hkflgKIKemFmBSxMqGRONmYxOWTJgCgusMWeojS4spNjB6Bdqm6JU8UGC6chSC9Vw5KyKm1eNdE0A3pLPT-2BwD0eMBSA8qnK62mtpOl4pp-2F298R5E5w-3D>>

## EEPttestimony

---

**From:** Jane Taylor <artteacher@hawaii.rr.com>  
**Sent:** Sunday, March 10, 2019 7:31 AM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Jane Taylor  
artteacher@hawaii.rr.com 96743

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lfOtcJQtKosiwqJUjyzYwCYtzfSSB2lx3-2BJcmLLs-2FZJSqOj41b636OsDHfDNJyam9u9Gydzf6zX72hEy-2Fdc0LQuveRmnNtkhjpkVz399E71YWQLxYAg9eJS-2FYj5JpwABMBFIS71ql-2Frn49hP0zzCnpeInTjBQbehuFpXjTD0Plokku7XhDQPzjE3AFVadL8yjmYNmcSqVhFTnDtwKRbinqu251NXs7Y7wK5MbaE892lZ3YjlfDg-2BMIKsBODQE3xAvNN7aN5gbh2ivF4NE9VVQcfD5u3geeDFQ3ObHzgf3iE-3D>>



## EEPttestimony

---

**From:** Brian Gold <bmgold12@gmail.com>  
**Sent:** Sunday, March 10, 2019 7:23 AM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

My name is Brian Gold and I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Brian Gold  
bmgold12@gmail.com 96734

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5IT4Vr89OhVuZXi29LqR3-2FaRkvWRaCDCQ-2BP71HkFDqzITUSGBID4QVCz3vIxII1FuAdd0Ksuwdd78Q-2F7-2BwpDsVVT5EvmdKI5thUBDhgBaEmWTJIBv184Wg9hgm9U8hOUaTeG2X9fjUKZipbWY6EltGyn4xIUuuphekN0EpM9P-2F7-2FeEJSmfYRMFOeoAjwumVBroRTVzAT-2BZyNEES4EpPH3mq6auVolrOxJW2QUS2PmrccOqMN6wDIMcMQudEyBBnSJdzOhJTzBijDSqLB3WoK9ouGzgYCVG6UQkfG-2B-2BdKkzQc0-3D>>

## EEPtestimony

---

**From:** Walter Fullerton <wsfkona@gmail.com>  
**Sent:** Sunday, March 10, 2019 7:22 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Walter Fullerton  
wsfkona@gmail.com 96740

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRTeW4IBlFjp5lrKUsRJOn-2FqgrYkoiL45nOiN-2BcvVxu-2B7A9ae1XoZjkB2Me2irAt6xxXsW7IE2AimCpnDjRNP-2F7CC93c0mSYZsJMT-2FL2SAIsjk5FnVr-2BUE-2BN-2Fls-2BIIInaJJrhjx-2FDmflDpUKlrM43xWTUKr3EnBgSGVFWhl0mJSRarL5SeEcytMbWKS7Jgc4oZdO74poJp5iUZomYBxpJ7Eu1xLhGEcf7j1X-2B3LHts2nikqlxLqQqSW-2BVf1MO-2BGEu5dMV3nwcbcu5tum8p6QapPy5kGTaSDikyu4U6AQd92RKgt-2Fd2Grxl8HU-3D>>

## EEPttestimony

---

**From:** Celeste Rogers <teroger@pixi.com>  
**Sent:** Sunday, March 10, 2019 7:20 AM  
**To:** EEPtestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I've been considering installing a battery wall for my home and I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Celeste Rogers  
teroger@pixi.com 96707

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5IPDMXUUMv03CyrbwLp-2BggQAQbJQ2SmUBqte6cSeNolwAwZkS2c3iyMvCWZ1JBYO0c0M5-2BF181furm2BKC-2FUhoe53J4kjcVz3a4gxQuABclW2BulwsHDkGFIUKQ-2FF756C4lpRcVfkYquIEGyDyv83vOgHA-2BjFhfnWFP9wCP07w8CXJQdzLjyp7pYqIL05Ljav26rrBlqV8vWZ8a-2Bkl1mhXkrLkUmmwbq9USObJ5Lj-2FVLYf57Znd7nrLqm-2BpgCnmCwocQXhUouzEdH57eVF8L9vfJpVmD-2Bw5lj8pvtHltUd-2BMg-3D>>

## EEPttestimony

---

**From:** Johanna Thompson <kulajo808@yahoo.com>  
**Sent:** Sunday, March 10, 2019 7:01 AM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Johanna Thompson  
kulajo808@yahoo.com 96790

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5I8pUQDHApTc-2Bud5XU6rXr6KasNCGbFYmk5i-2FCP0r2RJFDfytW-2B4Ky7YxhcCHhYfxneWxZHh9-2F2fnka7Ocytuzb5rX1VPRL8LARZ-2FDdO-2BZsgh03RDEIDmRYq8TOY5NPA2zreJZ5-2BmRgKRnfzAmX3HWkGIBJdgGTnyiw3ZBRbZNEJOeWdFoeVa0iZwRRLndb0iz4ZToYRgqPFDeAC01pH6DW1yxXAPfLYoTJ4k vjHPP3UgjzLC5dgTVnpPNVwmUWA1MjsDBIe6NgLQ9jCUUQGaQHVD-2BWGrX9feW9ka4AY5HNB0-3D>>

## EEPttestimony

---

**From:** Maya Iriondo <mayairiondo@mac.com>  
**Sent:** Sunday, March 10, 2019 7:01 AM  
**To:** EEPttestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet. In our isolated location, having local sourced energy would be invaluable in the opportunity of a natural or man-made disaster. Please do not make the path to self-reliance and emergency preparedness harder for the families of this island state.

Sincerely,  
Maya Iriondo  
mayairiondo@mac.com 96813

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5IHx8X4vwgQVdglDuUFYTYvOsES-2B8LXTdrZJgYp8-2Bq27zVI4s6FyS-2BG482GetSWSDUWbnnnYS29AeR3WSWa3i-2FtGZ8qgDyeRtjvSSBXE13WgMmzEvAkGljKK84C8AZoNBmRIJY-2BIUMK3j8ORUQpFYyQmVgO7EItK67JAzy6XE3qFPhyok3S8kXq0hIN-2Bd3JYMWaOODzB348uNaCxR3N7HHbVPPiKQrxu6RHUq-2FiZlxyabT156eiMMM29MQR3KJmfD53IH9Sbb7KdUaJXQiwX1FudmygwYZJ5pZWWwd4aTk-3D>>

## EEPtestimony

---

**From:** Julie Shull <juleslaroo808@gmail.com>  
**Sent:** Sunday, March 10, 2019 7:00 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Julie Shull  
juleslaroo808@gmail.com 96721

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRTeW4IBlfjP5I-2FCWApCZxDWIJJumb-2FML3cgX4lx6yulwWsVdfqgrJ3yh5u102omZIHZq3tCmHU-2Fvref0SnAvOPJZLfn4RViNtr-2BPTSy8TzwWTT5jF1zYFunDhPH0N7rpqqls2K3zS0ra4sCHEotETyQOLhez0toTKHXnxgYT2skmFJ7r-2FOI6Kk3KdGpEFMrnP6OKk-2BnRA0rpmKm5fDrsBAnOuZ-2BPZ4nyANoB8NXljYiXftvgmKObnZvtN-2F94IVfIWbUNMsrkUH-2BIIs2lgR7mMeUQY7leg3K-2F5Hkah-2F4IWXadUvR1ICJJ2Y-3D>>

## EEPttestimony

---

**From:** Dena Snyder <ddvics3@gmail.com>  
**Sent:** Sunday, March 10, 2019 6:37 AM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Dena Snyder  
ddvics3@gmail.com 96726

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5ln6GylzVANnaW1pxBUexyqbTWoGcOhsA2dWSinO8NGSv0y5-2F6FYRnheJQKypCKdvSB3yKNWTdomqITFNSyBviuzihkS1i0JHpnKjAke3sSpKOCMvvyPiRbKdlwTO0SW7vfO8kzxjvDNfJPwU b0ZyFUTiIHVolQspevRmSQjVJu1YmMNCig9HqIhB-2BH5cE2oVw5dO4sCsto14wuPWbtVCnOM3IX9XCbP7arCZBgbrVgDamWkaAAAdrU55BEhYHtF-2BO3ILn168duQWhydUyCEqZNSYHJaVkOuabJ-2FHegkOTdscQ-3D>>

## EEPtestimony

---

**From:** lance Barstad <koatrees@earthlink.net>  
**Sent:** Sunday, March 10, 2019 6:23 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
lance Barstad  
koatrees@earthlink.net 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5ICKxGMogi8Nt-2FJkpeVV1OZYm0ZHR5pnBnH-2FZN6eAo3XqpCuhSPXcsls-2FY53AKX32CWqTGhUz8MMJbDtL8WmlHseJUv-2BCPPuTINBHxN5SuRb-2FF-2BM2Sxa-2F-2FMDkQTQgR9RnSxB9NWbiej9TIgoJ3LzDVDLFI-2BxKNnEqoybly3vq21H7bZhyEfZiILVvM-2BweaFSszXZ9yx0awpE30ucxE-2FYoLxXpyAft7G5-2BG8qjWzMz58eJm93-2BwG181jf6bhRrdDXikmk9nAUuP4FmA057tWBZ1dmivZWWFUJ3-2B3md98HN1p4-3D>>



## EEPttestimony

---

**From:** Kendra Hunter <sacredartist@yahoo.com>  
**Sent:** Sunday, March 10, 2019 6:20 AM  
**To:** EEPttestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Why would we go backwards now? Who is behind this very bad idea? Don't slash solar credits, we need to get off fossil fuels permanently.

Sincerely,  
Kendra Hunter  
sacredartist@yahoo.com 96708

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRTeW4IBILfjP5IQWW4MP6e9GwiUyBDDHCCbJZOA-2BQkJgpcxaC-2BjBay0-2FGnjM9JioTxdZKpd6-2FhK-2F25C8bRnZirM8fUeW2OQxB2gcJtC6dE6n-2BiOmJdfugK4s-2FN-2F1iBbIczaUqQp8RxOLDUIbQsTs0Mj-2FzGI3Puu8sW6ZtK57iV7IbtxoLGEAR4jFPetZ3eIP-2BD2Qyl6r5zawzYVsElteinAlpBW1eF8BuwHDAQVWkiTo2LynOak-2BmBa7RXahNWCuT7GtTKhAFRBHJPKHFJU6b7gCtnFPCXdpqBR79G6vu8r7w-2BTEyhB8mJwMg-3D>>

## EEPtestimony

---

**From:** Noel Bobilin <zaffbryan@yahoo.com>  
**Sent:** Sunday, March 10, 2019 6:08 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Noel Bobilin  
zaffbryan@yahoo.com 96785

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IYqu-2B0SBrx3NyCjVvx3EKcsQVBtD5alix8DdKEUNZX47G0d9fFE7br2ZGEzzSHyLcjFG6GwwEpGEs2dgALe7Vjz1fZSQaptdbxjTmzMU-2FQHAcTxKpnTMlcTTJqwk6pty3SvbrAHwGItG0kZXKScpn32Y6LZ1UWV4MDpZsONSpWMA99Eg4DDEUGwzZArKOTFLdjvR0uApPAwcQjsa6h9QQzZXLnesKmpNk-2BSJQVMMEC-2BEEQzdSrZ8GJrzR-2FWpbZnzz3OKu2qTkHr25x9pDCjhPSMm-2BYbCdIMLNmEdqS6Ni3M-3D>>

## EEPttestimony

---

**From:** Solomon Choo <solomonchoo@gmail.com>  
**Sent:** Sunday, March 10, 2019 5:34 AM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Solomon Choo  
solomonchoo@gmail.com 96704

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5ltHMkibtAE5-2FzvLPEof-2FSgouVxxzMpEJgi892P0w5iBTTFVu1ipJXJA-2F6cUsuY-2BkdrlJpgnpmZFc-2BOLL96clycXa9ktH7DMvYiwteFJjli8s9RxG4c-2BH7qcGjLZp-2Fg2aZ26ilt-2FUGVzxPphFVI9MMmHV5q31oagqTjvl3AXiYRsrD0CboYgWFH2kLsvACPd-2BSyc4jFr2XzZD8sv-2BCDA7EARN6nYRiSSRtrO7mGr084iN8p17oFRv7RnjkjDRotMdTQPk5mBHg-2BFBB1zVpvDzf-2BgDq6tOloK89ZDviZubg-2FF4-3D>>

## EEPTestimony

---

**From:** John Seebart <jseebart@pobox.com>  
**Sent:** Sunday, March 10, 2019 5:16 AM  
**To:** EEPTestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
John Seebart  
jseebart@pobox.com 96761

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5l1kcwUSqLky6E7z3NeQla90SWH01lJgbZ39tKxk3n2n8bVMIDbXiQVFSAYgL7s0XDQp5wqLTINZgb42MDTAvu09EiZjngs-2BmPIHE4Hubtdh995pmjuq04GeDpPiCxpIawH-2BqCOLIMV4MGVUkSACLCo-2FvdfDlGQ603qP2-2F1aTYcha1qhtv5-2BGt0h6IHGOcVAcWtAUJS848MD667nEijK-2BVN2fjG4QpBah5oNuBrycETdrXEHDDtNyktsWk8pfh4t9k7emtPLDSFCFXC3WiG1pEAulhUWQuvx-2BbPBLHLBmqJqs-3D>>

## EEPtestimony

---

**From:** Neil White <hanamechanic@hotmail.com>  
**Sent:** Sunday, March 10, 2019 4:48 AM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Neil White  
hanamechanic@hotmail.com 96790

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRTeW4IBILfjP5IdPf-2Bf3zImIPnbbV4P1zaXCaM6c4Jod4omL07LTfZdaSAN4shosOsl8A-2FHwxdesYLrc5ScgNbmzqX7Ys7HIZ9g8rATu1w322Pz9kqB4q6u5Q0icKaHZfpAaU-2FG6iTQ1-2FHMgtVcvglg1xZQ7NZ5g72psDv-2By8PNDpxHSRFQRaPXIh1aF-2Bvb-2FS-2BRyNCwE69lualgzlbGpCnAOsAlcSux08dE1TA0-2BsLX3sLQPPRSjEvboX6H3TllrAx4nYVtmkWPbULPvn3jxss2zFhXq1d-2FYx-2BEjUMshzHGpuadj1AzHN68VU-3D>>

## EEPttestimony

---

**From:** Neil White <hanamechanic@hotmail.com>  
**Sent:** Sunday, March 10, 2019 4:48 AM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Neil White  
hanamechanic@hotmail.com 96790

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5IXmFVAcFM4wW4v8Ldy8jEdhYc-2BxA7TIbEiQDjfwbn2-2B1-2BMFmBo0K97blbc4IXQMsV-2FVYA1ssJxIXVFQyshRjL2Bn2zY1vU8QqGO9uIJTs-2FvnMQpC0eUK-2FMA9IFWrzjLjGIHAVQF0-2BCVDz5B-2BT99gsIGWRpOFvlu77OTYBzpar4pLBqEO1ZQs0dmoBOze63-2FT4jVELcgdeLk4HpMkddCA-2B72MbjWiKZRzHlvoMZ7ifX1MMPKm-2Bf-2F07XlmtAdf8Ucl1hruakBcGC2E7Q7ArMIlegP2xXjfCJxJ1Tx4x9rMYOI-3D>>

## EEPttestimony

---

**From:** Neil White <hanamechanic@hotmail.com>  
**Sent:** Sunday, March 10, 2019 4:48 AM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Neil White  
hanamechanic@hotmail.com 96790

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IKjWdUOq3FQGkVCBCgCE9EtjAiMXPRFUqdP1EqcXEKkZekCYifuq2y44ewJ1IKl7qrlCyZR0lIRdC3hVHjOi7B2RauQdOYjPK-2B77a11MUYE88yd2l2ISf4RsCaUYLigxzw66lZqeoAsz8X7rWBqDGBFrGJDXKXzlUwAqWsu9nG6mp4wh0lGfZq131NqCkiTftv0BRp9OtzQK-2F3f5MsOOQ3Rq8rQcjMuPDaKcvWo76JpbPo4fWNZGYqt5UwGcOgjEzDg8YOW37nfpUKX-2FVjh1bnoOjlyz0y2Jo3UnfC8Sts-3D>>

## EEPttestimony

---

**From:** Frank DeCaria <frankdecaria@gmail.com>  
**Sent:** Sunday, March 10, 2019 4:39 AM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Frank DeCaria  
frankdecaria@gmail.com 96755

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5ImxhryHU7VohzFWy28-2FI5A-2FI1Q2B-2BBMfbeatGrLMWkIDXM4DuyoZp-2Bszdey77nju744LSXrrPYshrV4ihs0OgnDWO02WzS0IQ-2FNb8qQsxVqfe8mk18-2B1xPDTODjYTmTQ7OD8HuFr6dLUxzw-2Fr5dI8NOU4H9iN7nNcVI3wJAns1iHnYiS4Fu6J3M81Rla-2FLtR5sY1fLZeXSx7wE26yXNHVxZVAb3GT1UzqgU8c8HFN8iFjPPQvnemSUJRIH2HWOaPXfyjdm3DsiTg8pt16NdZr4RII94vXo1hn9nYxwemxmE0M-3D>>



## EEPtestimony

---

**From:** Antonio Querubin <tony@lavanauts.org>  
**Sent:** Sunday, March 10, 2019 3:33 AM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Antonio Querubin  
tony@lavanauts.org 96734

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5l7lQSwKSeErvVEs5fwnHm7bmitaj6ZGr1WWkhleaFcDmxiOsH4XJCe-2B2M-2B2w5ToUifLwGGnsSfWRnrxr-2Fa0-2FRfQUgLik-2FBeFaBsN26fykRJ3uYkq9ctcG4ICG-2B1tpz31ALnymAQL58-2Bluy7ZWxeYX9axHMAVKX35ZnrVj7ZzkJff208lQCe9G8feKPuDBg6WWQPWqw0W2fi4opO4-2BvW8iPTgUwE34t5sSRY5B9WamH6Zg4kcwMgl8IntHVn4tQwmQDHaco8pBOUa5LOUe-2F9vV81wK8Q85hF6PhICbiCHEna9E-3D>>

## EEPtestimony

---

**From:** Marilyn McAteer <alohaoceanus@yahoo.com>  
**Sent:** Sunday, March 10, 2019 3:24 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Marilyn McAteer  
alohaoceanus@yahoo.com 96761

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5I4nLKz2NAbjTBSFJLe0Tfxp-2Fz9QtDaNBVO4eFZKhCNCIDV4o3P1qCYgYh-2FFL-2BxnFYRBep7QIKg3ghESY3RzrXUmbOs2KKnUapFcg7cuL05qF1wpYS7TnB6wlZesSWJzAcWq6ZfhNPHoo3PZKN3rUpDs-2BwhJDkgOpZtdmm4e-2F9KnRydcspBEICkdxZWxOxUBxhx3pJvORQVVE94igDltikCm4I096KpKy0kGzGkCb7wAI7uktT9lirg1O1-2FJFGoMaLQfoYjdpDiAO7cQes9JQIJBcuMQPGBLNffaZS4hVI4rw-3D>>

## EEPttestimony

---

**From:** Carmela De Marco <carmelademarco@gmail.com>  
**Sent:** Sunday, March 10, 2019 3:16 AM  
**To:** EEPttestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Solar is to encouraged for our State to be sustainable.

Sincerely,  
Carmela De Marco  
carmelademarco@gmail.com 96756

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5I1gQ0qhLQ7MIQJaasJGGtIYsCfvsy3yG4v0zH7tqrucHczJFph9LqNZsyR4I-2BAg2Q9z5-2F0NFqtEylrIBHeXLYIkMwTci-2BCFRQqbd-2BCmw3Z-2F4QS6rNS-2Ba2Cb05cPzkwpgMARffYtiTKbmkEPIWZ-2BwKDC3UA7IIPVNpekj7Ud6smcZuvUOxdA8mbLvKQbQpd0PpURK-2BJyaI4qPM5eC-2BSaCneGwOqYUMoFK-2Bfna6iqHaj0j-2Fbn1PJB9SWNq5OPjoLpTFvfWk6qvmbd2T1FI-2FAp2kRcjInPVoB2ebRr-2FSzBIR89E-3D>>

## EEPttestimony

---

**From:** Michele Collazo <collazomichele@gmail.com>  
**Sent:** Sunday, March 10, 2019 2:36 AM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Michele Collazo  
collazomichele@gmail.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlFjp5IX2aBOsg-2FxPAIowRuShlyY3Ap0nI1Cv7QvBtjZWQ7z7I5LVt12guatzIaqAxThmAA8TiDqBTBNZAKdxa4v-2FXEAOFA4OvxOaF96JsugJthUczldwgrvpil6kzLTrLzY0P0m5xPhQv7UEP-2BXwrFPKgy5cx6sBayxMaTonyt27SxW0nQdvz0rBlmL4fKCSaKxBuOM0nHgb31-2Fqldf8aJaLsjw-2FjGCBubBxsj1DHika4WsGSpfFKt3cmOc2G7cdzcxR0r3m9xl-2BfwYi1D8Hhl1OFDB8nJ4UyefP3YazOGGHQf0-3D>>

## EEPttestimony

---

**From:** Aspen Nichols <aspennichols14@gmail.com>  
**Sent:** Sunday, March 10, 2019 2:28 AM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Aspen Nichols  
aspennichols14@gmail.com 47129

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5I9VQoE00B5fRWWWBXn1cNaSViOxPpcyaMU5-2FNfDPLWICg1qEcM7sH4y0hmQ-2BFG-2FKgE09VhaLQpE6iVIXPQ1UU9UWUpUk2YlcecwITG0jrabQdEJqEOsnPyKS5QGQoFKMZNNjjFV9kjbOAJRuaJby9mz7qjJe6ShlJdABpzpiChXzDhzlaNTnmqvyx-2FnzGThFCe74oH43PLG2U3LxrG1XhUA4iMPhwvV-2B2-2B94zRZ6HQALBm1vzz2S-2B-2FhP1E8KqSSe7getztpldS427fBAeEIH5GuKI-2FNyY410Ku4QMQ1rDxU-3D>>

## EEPtestimony

---

**From:** Glen Constantino <gelincino@gmail.com>  
**Sent:** Sunday, March 10, 2019 2:21 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Glen Constantino  
Gelincino@gmail.com  
Ewa Beach, Hawaii

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMcaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRTeW4IBLfjP5l6jCSS9E1l84fRE-2FYqZqkIH8c39QglHTJvXEZ6EbcwDe5h0UOH4K3fqJSuPMFcCzlow7oe49ILlonRTWPdKZZNPy4eegfTogDf1XGT19Vy5hj1EM8a-2Fm4f-2FDTkFqh0jqKUBinJAtCekHs3n8L5KIL6myWJx-2BsnqFahMdvyyhaW24wS3tSqm6TOkiKeA2f-2FLWDZuYT6a0vRx-2Bc-2BG8CmGi75CDQoTpeiwWdROINIYN90wS-2BwKD8KFzkOZYKcoAQZE8Eke1TFIIFaT08TdqSPMsVBN84BHGBgZIGZnqHbbZTod64-3D>>

## EEPtestimony

---

**From:** Jerald Pang <jmspang003@yahoo.com>  
**Sent:** Saturday, March 9, 2019 10:10 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Aloha Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Mahalo nui loa,  
Jerald Pang  
jmspang003@yahoo.com 96816

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IUMsC4pi3ySP3Ab5-2FPNblogm-2Fvbur4VuFBsXD98JZ916o1VpyEaNaRCv1kYPIM6pO4q77enEsneEPwDD-2F6ZwmQBE1s8IVcNKf2DUbLGjEieOQY20I6CCKYoGPFsO9QNEbUX4iFSs9ihlatqnebfkLuof0aLvl-2BFoDjnHnsOFMSWaOCy02fbHoQGc0uKtrwSibcdHppgQXN-2FuHmZv-2BzJyN2rLausMa-2FI-2BaNS7Zyb6dQsqOyhHRLNESDQzM-2Fwd4EyyqBkAejtW9oqbNtNJ91bMws3OKnqFziWaFCCsWtDhy9294-3D>>

## EEPttestimony

---

**From:** Rick Camp <rick\_camp@hotmail.com>  
**Sent:** Saturday, March 9, 2019 8:39 PM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Rick Camp  
rick\_camp@hotmail.com 96785

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5l8RhGrP85vpoOhuTHkYaW5GXN9iTbq70kNCYf3gHzMgQzZIMPvD8b6h6-2FOUwth6fMKSv5I8SPuf3y69fiCymumlonvkK9xJhhYaTLAS963hTXy8M64P-2B5Xf-2Bcboa5QSHSGh4zbEmqk76lndjJGcnkgC1dYA-2Bsv3FZ5gfVcOUhiHESAZxtJX2iT7Khv11xhr-2B8W-2FCn-2FDVublpGjCnjlZbthbl-2BKcRI79Q-2FetYJ1envPFovbXHBvYX-2BhfoTSN-2BOR6ZZolSeRAvgURLjSVBA4SKlffwwK6LAU2dS-2Fnsh0zR-2BsU-3D>>



## EEPtestimony

---

**From:** David Sofio <d.sofio@gmail.com>  
**Sent:** Saturday, March 9, 2019 7:26 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability. Even if it WERE judged to be time to cut this credit, what is the sense of such a drastic change, vs., say, 10% per year, to allow people who might be sitting on the fence to take the plunge, and allow the industry in general to ease into the new financial setting?

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
David Sofio  
d.sofio@gmail.com 96816

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5le-2F1o8-2Finy2m7RkCtASiBdR7Bobhdqnejnyq-2FhmfsDWZsPCOJxh2bSWZEHO1rxCM7vxN96Y2oMeDnwT-2FKikzHNCEve1EAEt-2B2pa2HWm0iAsox2dqaNBJE6EGa1-2BvaINDLGbCMIlnN-2BbYAEpzST2UVyXholiUVFxlZ1U-2BYm1ddqC7brSZzMJNoILf0o-2FI-2B3B4pgdLWI5GhaDiB6t4DL82EN7i0h-2FjMn4uDBvgL-2FY-2BjiOdIze6iIGt-2BsbYUCZhd4LluM7-2B-2B7d-2B2H852LDzzuLo7wRHDFWLPf1qYtVnOxsglridM-3D>>

## EEPttestimony

---

**From:** Ray Dion <government@rayinhawaii.net>  
**Sent:** Saturday, March 9, 2019 7:24 PM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

I have installed and then upgraded my home solar, the tax credits and savings had significant impact on my decision. Bottom line, I would not have done it without those incentives. It would have been too expensive. My next upgrade would be batteries, there to I am sure I need help. If this is a State priority, then help those that help you.

Sincerely,  
Ray Dion  
government@rayinhawaii.net 96789

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBLfjP5IRB2-2FyAounSaWeAGhy1rvEpWSsou-2FJxTCvbDdcKIGNlthAGIGZZv7oSeBkzODDwRJNxPEFwsZD4k-2FQtMW-2BVTc958wp55Y5YO7vVAtziMMcOivcM2lxSmfry7cYW9t8CPNjZz4L7TNFgHBTs2uhE7DHDutq30u61uvim5YZaYgCd2QwIBZUIKAW7QFWZjESON-2F3z2J6IL-2FaPDBrgBljzc-2BrFbaJ0Wn2WiRgRN-2BX84kiVC0ms7ZNuWlQahsdYZ4B-2Bzz-2Byfix4ivLof-2F56J-2B-2BXVroh5Xlx5GBfgexRUMDLxwbQ-3D>>

## EEPttestimony

---

**From:** Cal Haena <calhaena@gmail.com>  
**Sent:** Saturday, March 9, 2019 7:05 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Cal Haena  
calhaena@gmail.com 96740

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5ltYvYitLVoMJuuXQel6nj1KvqlMNflbbA41afagMrBgAg95ihV90mnHVk6M4T6NsOUhV5-2FqfxRhWWHxXb7ORqRWPd7naFL1f9HIUnmozy9X1H83RGt-2Bo9N8ChZN0KZcgz2Qw2yIb3RcV-2FyejqZgt-2Bj-2B-2FCxS2ZcqGTPQn-2F4MEZ6Bg7I6rvZdjPTnEINp7Vc7U3-2FZaxaqdoKZ1RyYu-2BifHe2zouaL6WZsdZ3xOIn0Bqa5qBHu0Ei2XqA0MP7Xd0mLcsCz3coUuhe1xm1eQ64ZDsQdyc-2Fu-2FGUViIT-2Fk6ZEXS2hQ-3D>>

## EEPttestimony

---

**From:** Robert Nelson <bobnorma@me.com>  
**Sent:** Saturday, March 9, 2019 5:55 PM  
**To:** EEPttestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Having solar at my home has been truly wonderful! Do not make it harder for others to share such a wonderful asset at their homes, not to mention the gift that solar energy is to our environment.

Sincerely,  
Robert Nelson  
bobnorma@me.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5Is9JQ1hWrUR4pKltfPaYvZHF3Lfa3gbKCF1vXvKqlebK9v9s2hVKNcBwZmEwfZKXnRmVeElxluhOpxAh1CTUBL5pjOmdiwnrJiguyA1Kw6D9WYYqtnqZ2WrtWRLQFglSrF7bBmhsyoYc83o5m5WA-2FeN1-2FACl1ZV0LorDfPULSbqiuv9M6S8rb2dM2Z-2BvJK2RoCxRnLtr1jl6H4k-2B21N3-2BQmOYL08sM5-2FqS0wspWIHMVBB0JysfKz-2FKEM-2FRQ17nV8Pu5W5w-2FJN-2FcWz1tT5C7gOu4EW5ybXsHNyEAdyPTb6zGo-3D>>

## EEPtestimony

---

**From:** Lynda Barry <lynda.kh.barry@gmail.com>  
**Sent:** Saturday, March 9, 2019 5:28 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Lynda Barry  
lynda.kh.barry@gmail.com 96793

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5la8xMsSFPa-2Fj4T705OstuWL7T6AoAbxSW-2Ba9x-2BwuoE4VYc7fRSNVdyNv55b5EzEplxRvcUt5m7yVek-2BAInDUsTmAa-2B9H33Z9sruChtDrLgL3wK0eq96Y-2Fmj1AxmazeUD3xqQxMPPjgJF3c3MtYHrVDyPLdMWfktZ0EZyiSIOY5Usq5xxhYWojipZu3eB-2BZkdeypBZIQHM5RvSDuBWNzVcJI03aXbPcyVw6UysyG3C7aGEpRihLI4RAnySokKLZ0KWtcnm-2BKXCizzSX7t7mRRNCmFxc2SeGIAY-2FMXJ-2FkXg-2Fj8-3D>>

## EEPttestimony

---

**From:** Lisa Alskog <lisaalskog@hotmail.com>  
**Sent:** Saturday, March 9, 2019 4:52 PM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Lisa Alskog  
lisaalskog@hotmail.com 96706

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lhrS1URVfymC3UfA1iDHNWnYQStLILIFQilSogf7oV-2FxyPZfplkgenCGksBx4duO21iLcq8P-2FiafVhbyPZCevkwxI2IVYFmJodjQJFNWxOI7jsNGiEdI5zbQe6QLnon4Zk6rnTY51YfjZ74C11SqXBkrAejXOPhAVLbPOCNbFI12LRlkz3YLJZb9X6tbp3srmIb0tWKGJtB7czplLd1iCiORHZS0Ax7m0w06i06RyT4FldbIZxmZeHCYPZ5q4-2FgbsMwUbgxczf3kGrODN1xksotlwKL3UVsiXgKD6s-2FsJNt4-3D>>

## EEPtestimony

---

**From:** Karen Kriegermeier <mauikittie@yahoo.com>  
**Sent:** Saturday, March 9, 2019 4:50 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Karen Kriegermeier  
mauikittie@yahoo.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlFjp5I8OMkAL7-2FOqUa-2BCnMD5WZvfoxB0xBVtK-2Bbtwrmi0RGVRYeEGbnPpd8MqsTWqksiROxidf3VwZKKwbly6806QjKXx9R5IL9LV6XQlwbKtQDUAN-2BxawxCffw7zpWzGyYZ-2BrjBSmyGKRQVZqKfYFoLOWoVKzv25PhiPZHBuUw4ti0bTCEhpJoX8fzD1CBjFmmjX-2FNsZGDyAHirWOVtcbNsvPZ5MMJeOQ3Y-2FknbloMgA43k1t5gavbVa7aV1uASaAL0CcjKFGf8jdVHEn2o-2B4wA1N1p5zl9an-2Bg1O6wXYQo7ZCO0-3D>>

## EEPttestimony

---

**From:** Jane Yakuma <jyakuma@icloud.com>  
**Sent:** Saturday, March 9, 2019 4:35 PM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Jane Yakuma  
jyakuma@icloud.com 96734

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5lrM59PML3VTmVDcSCZ87Cw0HjNNy-2F4O3gxGr0kXfCiHgubmL-2BSGUQDOFm4TgPJZrUJev-2BssBWL8Y5AdegVleTmBCjydHd0X6Vlji-2Ff0k8Lscj-2FAiToVp2Ff1LywvpAAEAd1IQxs6vusQB0vbuy-2Fjfi6RCPZW0-2BmfJT-2FROFmfHvvEn9ERPU8JDP-2BgV-2FT3bu35-2FILcHOtQGRdIkpHZDLXLyen4g-2FtCFi-2By3CoBEcCkQ-2BKthuJhwy6pXfacRnK1rKGjzMvSXeLJSVN2u6E6sCBRe9-2F4tTtLuXvGGmOtNMSfys-3D>>



## EEPtestimony

---

**From:** Annette Bunting <nb1116@yahoo.com>  
**Sent:** Saturday, March 9, 2019 4:27 PM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Annette Bunting  
nb1116@yahoo.com 96738

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5lwQmH3aH-2Fw6GBnfe08He2wLxxMcw4JTkDRhz-2FANbwxVPCCnNkvGrDJGwMLdwNvxekC8-2BMw3XgD4DbJlbgmx77uOVIY08ec-2FjPNrNFdQLhp5rRErDICCqqpt6YP-2BS5GkJVmZltMg88w2NBwHdBgyXojgq836oQrCPq9peyi2Ny-2FBpaygo-2B6Z85ouhnKnuhg-2F9Z8GUhu-2FEux3IcMj9ARj5VpzEKQN0YtZS0ufc63QvSLAftiSxyi-2Fm74A-2BCgTaXxF3queLlp693O3YOpRH-2F7gUqTe5nEoESEGoVg51G41cpOs-3D>>

## EEPttestimony

---

**From:** Gary Sweeton <gsweeton@gmail.com>  
**Sent:** Saturday, March 9, 2019 4:25 PM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Gary Sweeton  
gsweeton@gmail.com 96707

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5InGfzNN0nqnAcASygNjgU26gSI0Nr4UcUOub396ruT35kFFQUUEG4KhotNOKkYHOnF18K-2BeglkrymYDhpajmlGCM9CYhSTj-2FhBssC8AIFVeKI5C6J9rf1mlcyHPoqBZreiXxk04uAC6FojOItMb787Glr-2FfOpdH4IAGcOanXSrEcyGeGbx1i1aiX9iVse8xptxfNnHmNk1RyJCkytKL5DNwmsiScekJ9CDZMv7psRI7hVvYeh-2BWT-2B-2FVqZhqePEqyBeV2SvVjc0TFUdLsyBCiqxfrzntW3xJcHLf2SGlxlqWSU-3D>>

## EEPttestimony

---

**From:** Kristin Pettina <kpettina@yahoo.com>  
**Sent:** Saturday, March 9, 2019 4:17 PM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Kristin Pettina  
kpettina@yahoo.com 96815

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5I5GkAqyBG2quEuzl-2BifuKh3Dhd4-2BuZ6tpMYGOd9cUU-2FSCmWMKIWuJBvxBSxdZ8nw6fEvyZpzn9e7VZiueO1H3F1RDvfEduApyn5YJX7GLTC-2FnhyBlhWkAn8dvDk-2FYDJXZ5KYtRtF3uZaeOQ2kVDCWp-2FwB-2BYzIGO-2F0woVqinNmrwdO3xA1Cmh-2FaT8s8BCn8bwe5eBSYJ1pTLuBR9wzZ2Rx0gpSQZvV2DIMTaYa0g3IEY5gSU0T5sgehx2a5tQbTS-2FspEM0Zfv0-2Bko5eqv6il5V7I6mnQ-2FxsTboPDDdg7aObY-3D>>

## EEPtestimony

---

**From:** Catherine Aki <mcai@mac.com>  
**Sent:** Saturday, March 9, 2019 4:02 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. Personally I would hope to see this tax credit go on forever, or at least until Hawaii is fossil fuel independent. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability. Two of my grandsons work in the solar industry, so I personally am concerned about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet. It doesn't make sense to stymie growth of energy independence. On top of that, we saw what the proposed sale of Hawaiian Electric previously did to solar when they tried to cut the benefits through legislature. As legislators, you need to decide if you benefit Hawaiian Electric or your constituencies.

Sincerely,  
Catherine Aki  
mcai@mac.com 96748

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5IVVYCgjGzUIGs7gk8SxKDH-2FypPVT-2F1WmQ0DGNqMFOZ482pM0Q0zNM3vBxT3HYgxEQk1uk9o77kWJzjw1AZMletipARA9i7DdCFGzSvVuTqiiiGTYOv2s653MX8Zex0UCVsSEEtWs4p03-2B3fR5TEiQBrYbAJEy2s3Tllo-2B5K7QXDplOwnqjsfm6Ck-2Bbx0bC2-2Bkec79hy0mf9fEzMnugpMVwm5rRyoM6-2BEz7AV16qN5d9fnn7bv8Kaw0735NxRUqoh6-2BMPmHWF846eZb0mgHW1QXAzq949ldxhUeypuRLTy20-3D>>

## EEPttestimony

---

**Sent:** Saturday, March 9, 2019 3:55 PM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Aloha Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Mahalo,  
L.M. Holmes  
lholmes@hillsdale.edu 96817

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPwDm-2BSrRteW4iBILfjP5IMn0HBBQN5AA2DnrXWJ3IGpA0OCzcLrTBb-2BmvcXYUsr-2BodKcwndbp33gvbaGdK5vcciZtEsW-2F0FKJX1aG13qY4amQlXfn54hFPLsQcBTd721y9fSIZKYcY1pBcGlnr3yCBNXsvkoJpZBrrlluTey4PyKW8A6P4ILTZ1NBzGRPZ4AHz9qsneI58R-2B5XSNnioF337TZcgIS1b3ZCBOXAhoVjHSC4HFNra2Bui98Y3VbWBOIR12ZLdgFXVWFVw2AKrSvYP675knuJLuiJTSFidYDpNy2SloS1BJEFI-2BboaSVvew-3D>>

## EEPtestimony

---

**From:** Mike Douglass <michaeld@hawaii.edu>  
**Sent:** Saturday, March 9, 2019 3:52 PM  
**To:** EEPtestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I am Emeritus Professor of Urban Planning at UH. I have spent my entire academic and professional career in planning for socially just, livable cities and communities around the world. I'm deeply distressed to learn of the backward steps our legislature is considering with regard to dependence on fossil fuels and the well documented aggravations this adds to global climate change. Specifically, I am concerned about negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Mike Douglass  
michaeld@hawaii.edu 96734

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRTeW4IBILfjP5IXEYgWxz4MFHh5vwG6NtAUc0jmVFDCqLQ-2BQl-2FGTrMYElu10Q8vNigzUn6-2BG-2BAeR0LjaNuu33KShzLVtUBXfJ7HE9co1PZDZcO4DXlw-2FpS3jeAIYEdiLhHiX7IXyp4gG8hpRatkmmJlWEAy3welyPRnjll3xhYCH7nB1jgyOAFSt4XeDrcbWGq8SrCEb4dfnxHH4-2BG99IQBvTn4ixhveoyqdWHRqaqAb-2BOahWKzFgoFrqfYC6jVhsiHFBcG1xvmlNPUedqY6-2BwY0xshTznkkPiBgqjHAaCcD-2Fr63ShwHwPA-3D>>

## EEPtestimony

---

**From:** Judie Hoepner <judie@aloha.net>  
**Sent:** Saturday, March 9, 2019 3:46 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Judie Hoepner  
judie@aloha.net 96766

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5IXXyj6diJbmq4Uf9-2FXeM1G7QyWbWIBKHdlIR20ZebvHTJMpFavuzsWqz6u0Abq0sikYGNTa81KaCHvc45JWyUEu7TGU2zAOctgkA1Ren8N-2FhUv8ZMGpcDhMuDpbll4Vv3vJWadu4EBLltB2sCzF4eETSPIGd8LXzON5sCF-2BIFnD1xr9celwxQi0KeVmWpp3mW03MsPTf4ZakUF2zc1jYunOErB4W7UH-2FZ825QN7hZFi7JXnjQAW05mPdTjujiOKeHAo9VS1Y0jphlr5CycwkVhBHcxaRUNDJ4OY-2BssPnuBWo-3D>>

## EEPtestimony

---

**From:** Gregory Williams <gdwmesa@gmail.com>  
**Sent:** Saturday, March 9, 2019 3:21 PM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Gregory Williams  
gdwmesa@gmail.com 96756

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5I7ok78G01veUnP0x07JnV1L-2BAqOD9-2BeDBrgnIz7u80hoX3ap1eyaNYbS4CqPccnhdQmlwtat-2BLOiEpM8VcF9JVzcEQxW-2F65DToXuRvL8a2wstulhpwNoU5QIRfSpjVJxw0UW-2FiP8Q8bydMuTqiSSa0dzbB37m-2FN4qaS33WDw2Av106L21bZNhJx7xjeFrQNFawtKvx4qVhQ0-2Fb-2FtOCWuguZPovNLbulWeefmE6c-2B-2FALzN03NJL3nZx9NdKcO1TFz2K4p7OQIcKrb9nm7y5pZ7S8L4zsJp5rcs-2B0zUIIApl-3D>>



## EEPtestimony

---

**From:** Rebecca Collins <chazchaz1712@yahoo.com>  
**Sent:** Saturday, March 9, 2019 3:04 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Rebecca Collins  
chazchaz1712@yahoo.com 96706

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IBPynz8VGBqnVGHOUAnLEKE0ImEW0-2FY20Q43iwZX2q7OA0xs0kYHNIq-2F8sGD7DksxaUBCXwihKzvsHqcwrQRC6fOfnUCdsWgv57Q6xKXb2mgbzueyzF8Hcd56EzMHJ3kSVJj76N2RwboUY8kBTj1JMbbBYBPmwwLPCCFSqZmabttkBs-2BZ3vOWwL1lz1ZsiqYNmzLuDzslOeErUON1ltE5dphzJY6dn9R0r1PrwBQLL63-2B6ZIYNyde3SdgCBr9SdRvm1JM7g9Y1VcoHFCWuHL2jrHMo8ntZTqvPCOfbhI34-3D>>

## EEPttestimony

---

**From:** Deena Ahakuelo <naniloa71@gmail.com>  
**Sent:** Saturday, March 9, 2019 3:04 PM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Deena Ahakuelo  
naniloa71@gmail.com 96815

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5ItR6Uoj-2FnKROU-2BIB8RnHqgvwjQ1k7E813X5PlpzatcLSlmlq3XZlPv2qrN0n3ZlAwkZ08mZa-2BJpZkliyZfOhbkDJxa-2FlpYmZROZvPdl81p8ZoTWjvAp-2FufwNyywGFep-2FG-2FDQY5UO3qwFu-2For0aCewRt9-2F6nVMuCUufyIP0WYMflbkNAsFVWxmDCEUMUM5piTMku0ajaOKD6IsFH-2BEuXTdDESSANVRsM9wBAQbbQBRiVXdfUP-2BfvtsueEu-2F7R8MOXT5NnSZaRfjPUA7vZ-2BB5fH1985LbdmrcPhkaFb54vL0E-3D>>

## EEPttestimony

---

**From:** Rebecca Collins <chazchaz1712@yahoo.com>  
**Sent:** Saturday, March 9, 2019 2:58 PM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Rebecca Collins  
chazchaz1712@yahoo.com 96706

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRTeW4IBlFjp5loI0fRxu4sUp8tgJAXa-2FEV4I228tPmjQ-2FpXU1I-2Fy3L4nSgejTb8sT0T8fot7f0Sy7cqbbaYONqu0rJ56c9gsa8iXtpOI1y7K2wpE7tO-2FlcfSb73rPGjXkwUyp-2BPH5G0DJgxWjEU56UERSAO7ugiFKaIGJxNQ1AyFYUsNC-2B1I4ZNVRaThSaLhJU5hCimcSD3EGQLE7gPZS8FJMhc9BxqlzIcsUga3iGokG-2B7lZreXPob17pEcXWofql3nuNNWTJ4HtmBxhpi6-2Fx5mQNF122ZQPqiEaFJOGavpEzgs7iLk9U-3D>>

## EEPttestimony

---

**From:** John Grandinetti <grandsolar808@gmail.com>  
**Sent:** Saturday, March 9, 2019 2:41 PM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
John Grandinetti  
grandsolar808@gmail.com 96816

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRTeW4IBILfjP5IB-2Bk9HXYEm9eUCATlcR9ZzNCUIfKwgBQroGRJsXlxFcSxdexZkGDHPk-2FmUMzBrKA46oJEQTnC7I6oIgeV182LJK9Pvh0rK8qNlla-2BVeJi-2F3CC9GQosWOZQju5WfJ807Uwlv2YnG1F52nNI1n3pJmJIYnGlz62NIFMgsUXXSdeRHkXgl-2BMICNz0NaNyw59kJL3FzM96ZqArOhXTPMMa-2Bk7DdjdkUIG6xW9nLnINuRz5zYQjON8IEHzJM0hxxNHxhFBqSq9c5YpzvHw1qt6xgA49XzaqU9zyjdcxb-2FT9nTUepE-3D>>

## EEPttestimony

---

**From:** Debra Prebor <deeprebor@gmail.com>  
**Sent:** Saturday, March 9, 2019 2:33 PM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Debra Prebor  
deeprebor@gmail.com 96734

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5Id3YKvwwbNehbW-2Fu3H0xIZjuxy48dNTEfKnAHX4r3ffeSEmQPbAkita5aDEGQHvX0xyrsMneeVdlfdWQFIVN-2Bjmi4clnwmF6PtI587Oatm24KP6fXUfZS2FAU9H6LzKDuzChA-2BZBzC-2F-2BdY5HoXrsTsWh3YHTI1tAsTsyHK55FOMCFh0gUaonkvIrtu3LXrStjGCxG8MaXYn-2FdRFTNaCl1-2FodlRq3B2Agy9hNDL4tY14coER9bOn5Wos4Br-2F0Hu67iG50DmCnlcWk6rl0YmNMgwqJqeSuuhzCeCDfLSjJD-2F5Q-3D>>

## EEPtestimony

---

**From:** Thomas DUNAGAN <tom.dunagan@gmail.com>  
**Sent:** Saturday, March 9, 2019 2:05 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Thomas DUNAGAN  
tom.dunagan@gmail.com 96740

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5IMdWngP2q08fKDXiSVrki8oVTwBWaXdKvvZBbmuybnBFMDx6wjAwk5nJhP-2Bsm2Vk3MvjOndubl-2Bk9n-2FGvd-2BHkK-2BNr6qlrp2CxAFREyQdB2I6YpMm0zXYIV9fa12KDB-2F7xkxqZqZRseeR78RP51MYegl1ndyXlW2CWEvrGJDYntSf2QS9-2BOKbMM6ie9jzyYDz54coM1-2BfjuYJ2oCvcrw5vrxA0aPHInf0RFijDq24wNOKwKOxXagk7wAwXC0jyWU-2BH9iz6fy0mV6GKR20ICnTpHQIK5bthAsZsPufLy8nIZNo-3D>>

## EEPttestimony

---

**From:** Thomas DUNAGAN <tom.dunagan@gmail.com>  
**Sent:** Saturday, March 9, 2019 2:04 PM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Thomas DUNAGAN  
tom.dunagan@gmail.com 96740

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IVNdnGS8wnsgStR-2FobqccQ031DnYC6nvtTcSQk1RYG4aVPnvYpFkopiCMngYY7wTEIQRt-2BCLcNQVIBRu-2FG2WU3TQra4N0BdTWQvG-2FOanPgLIR3J-2BwQ-2BhDMc3Hg8OynPZ24XmYF2JLaxrx-2FeA5ATHZzQMqTar3aKAWpynv-2BqjRX4KISb4kyp0rvZ0-2B1q2Nj6dItI3Vz5cJFSv2ckSAoQG0o9xOL7uM-2FpkFpTuxaohfIM-2FxxGWtUuv1wqjoydikABsbwohRhqTdAjZC0TsrQS-2FNUiQHizYIcOMwmhOFYYaellwE-3D>>

## EEPttestimony

---

**From:** Ken Stover <kstover@maui.net>  
**Sent:** Saturday, March 9, 2019 1:45 PM  
**To:** EEPttestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Ken Stover  
kstover@maui.net 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lq5mw8kTpWrJFvV3X7vyup-2B-2F0Nhcly8jEoAbEzWLF4HDtiqc8-2FwMSV2MkiU1fTWckt9e6ja5opM9Fh-2FE8w53jdcyq-2BTIEo4mkcynGdj0LjAojXzMdZcjlPWh7hBsCqvnOCd-2BdWJt2DEquvN8i4zMgIKkGjHdtmIEdeqzITqj3LvzJqtNCO-2BHjxoYtbmoNACWoYPH3WBNcttpOkCRhQZl9b6qFf0WieEGg2wGv41iREXjQSgjp2FjM-2BKOgzqGigvljo5DJw5xJqUzHCogwnomuTs-2FEPCMhhLyK8j1UcZ6wJUs-3D>>



## EEPttestimony

---

**From:** Malcolm Mackey <ozymandias35@hotmail.com>  
**Sent:** Saturday, March 9, 2019 1:10 PM  
**To:** EEPttestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Malcolm Mackey  
ozymandias35@hotmail.com 96748

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5lpUjNpMvppCIBEvkiErZ6NuelxNI8fwNv2eqfwzanFpgz8JjybHoHIGlfJwoysbfGcpsQFnWwts4TTpeHwCnvO4ggNFmA8g41hMIS-2F0fAzc1LA3vdc4jIxDJ2BjTFXD1Mqp5EMo-2By0kGT5HFqYvNAalbJM4scTB8WrtYmk-2FWt-2FDTnWr996TzeRVq19m47487SJZWvvJE7apkXgNQz0-2BvqsZJwxuU4zJPohkLayC5hdLEADRoh-2FPZG0ompBoC18Csfs-2BFaPzUj8ZvSh-2FTfHgULAKcYPAYlnlhUrvoHPp1tEI-3D>>

## EEPtestimony

---

**From:** Bobbie Becker <bobbibecker@mindspring.com>  
**Sent:** Saturday, March 9, 2019 12:38 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

As a long time resident of Maui I have been pleased and proud of the leadership that has recognized the importance of the Solar Energy industry to our state. The more solar energy we collect, the more independent and resilient we are case of a disaster whether it be a short term calamity like a hurricane, or the long term disaster of climate change. That said, I am deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Bobbie Becker  
bobbibecker@mindspring.com 96768

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IYE3QMOKb0hZc-2B3LUQJgLbwZU9qdGLf4uCxMpxp6TE7gcJ4Shf2SeSEk6Ec984yPzkt6G1vHaHrkmjHIzfHYIVh-2B3UasI7h4sq8rclmqV-2Fa77cMc7BH90YHrz6zsDZzN5BQKhOIKDdDzVj553KezupZaqH07HR8S3oNlcCNPnJeBj2UhAdMlixQOs8LCWOGCfDMAUWtXCiet8UmEg-2B7XAje-2BCUIa91MLuqhFfDHY8mhmxOVUrLcmmvirJtu99CGhb5l1HmgvpMdUx-2F-2BeVJDpakRaFHU69fJAgUy-2Fbs-2BI4hho-3D>>

## EEPttestimony

---

**From:** John Marshall <jlgarfieldmarshall@gmail.com>  
**Sent:** Saturday, March 9, 2019 12:34 PM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
John Marshall  
jlgarfieldmarshall@gmail.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5lw7oChZo-2B1MG4rf-2F4Ls5y6-2Bz1u9mQHK1I6Qh9hUSB5VavKET2bCXUu7hc0jEF5Krh5btZFN9RbmgitcUjsx9IHT-2F5nK-2FDLYSCMLuIWAddpQWft-2F7MoT9XyRzKriTFoU1aVg-2FwPyzGCAlDhScbNLrjhG6reHngUmXun5A0X8W-2FfB6g-2B517V7W7uEltCCDVNmMHJITzhvUQhgK-2FKk4p4GKPRYDosHu7nT8hnaiv8GzZtHvHaAiFJvAqj3dMhiLtHkGFCEU015KTjL-2B7Y3i38n674esZFRtHXSx2m784MhRvTO8-3D>>

## EEPttestimony

---

**From:** Gary Wiseman <kaheamaiau@gmail.com>  
**Sent:** Saturday, March 9, 2019 12:34 PM  
**To:** EEPtestimony  
**Subject:** Please DEFER SB 1163!

Dear Energy and Environmental Protection Committee,

My name is Gary Wiseman and I am deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Gary Wiseman  
kaheamaiau@gmail.com 96732

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMcaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlFjP5IGyZ8CdfwN6gv6Gm1OM9kSCq-2FDA9T3ysq4wJFz5LX2QZQIMc5ZyNxoWdIVTTU4ANslUhEINMeJQMwqm8B2f-2B8Sr2-2B50vcqDZMHa5jwNLJsucFph0cTvK1nx6HXSgsrO2zw-2Fhbk3ifgkWbZ82gCcopb4Bz0vMXmejyVgQJBH9dh50AvRUbrLtuG4IMnmjVRV470gcY251SBzWZ1IUwV5tsblFSM4fimfsK2Xa7x2HZsfH03faC-2Fra9FsOenbzwHJvpoLZlbNp1CFJVyRyZHtu-2BRnGmGD5-2BFNTwAqeLluhq3T0-3D>>

## EEPtestimony

---

**From:** Curtis Ako <akocurtiss@gmail.com>  
**Sent:** Saturday, March 9, 2019 12:24 PM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Curtis Ako  
akocurtiss@gmail.com 96816

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5ItxWeXT-2FJXcTSSngDona9ec2b6PiEOLwQOYxYmzFs-2B7zkdtOP4HTL9ZRw9oTfLnyvmWs8BI-2FwyU11yOmT-2F74NRV1MMMy2pLc25-2FfKM98ocE7LgaeLo6r9C8KBRDLffcsKSgXOk-2BmaZYJeoBVsanVS4J1UIh8hMErtwRkWysO0324SS2RcgAGRkKTyFytbLSBFiS6w5ES5Hib9DnzbZhto6suQUxENiHPuE3v2Yi6Kq5BibKBR6B5NxdITUUHII0v2uM6W6j24Xq0Qqzg8FiCbRb-2BugFztTfvkW1aRithcAwYw-3D>>

## EEPtestimony

---

**From:** Robert Romero <cruzromero@gmail.com>  
**Sent:** Saturday, March 9, 2019 12:18 PM  
**To:** EEPtestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Robert Romero  
cruzromero@gmail.com 96706

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5lc289kEr-2FoUR3t0MFKN7SDCHvRQeQ1o26RhrK9wt6b68zFJuz9GWQuIpCTU2UXauYBXmqP-2FuxU1-2FwDjqBR-2FksGM9Y79rt6a9odASU2gFVss-2BFT27NmD9vAZR5bmd9T-2BJlqck7oX3sOiUfNKSnsS86JUHRd-2BTXazpCJRTwoWxQCUq9X4AAw3tQjA-2B-2FaP-2Fo6GxPg2MADrT2xa1dTXSF-2F0yqrjyel4NDIRIiR8EgRWsF7vYgWMISfOwB4JoqxO-2B7eSj5rjjObDubvSIAEYr3-2F-2FNE9AlGlu155teqkwLpNgl4JlGQ-3D>>

## EEPttestimony

---

**From:** Denise Colgrove <nomadathart@yahoo.com>  
**Sent:** Saturday, March 9, 2019 12:15 PM  
**To:** EEPttestimony  
**Subject:** We need to grow clean energy! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Denise Colgrove  
nomadathart@yahoo.com 96720

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5I0NDOzCAoHOYkQ6FU7cQDeZLh9i-2F-2Bkm5nvJY8FIThd1gTd7Nt-2FZTi1muQJ0uSkpUf0vQg-2F-2Fp-2BbyACQkQIXtBhHsKt84-2Bq9E0RUDOsAevnIGV6jDdriX4DkCA09-2FdPediXauU2ncwPmKGofaCc9h89zBjrUZ14JeO5ziG2o1mT9iQ30cgONez4CHj9cjl3i7Ewb8f7YI2sJGQ9N1fLMildNFPBTfL-2Bx9dknMwk-2Bdl6KdVHBU5b-2BsogOVr0gz2KMvIrfBHzVTs32Ozp52PXguxbVZJcapQTarve4jvESIHEA-3D>>

## EEPttestimony

---

**From:** Alyssa Miller <Greenwaveproductions@gmail.com>  
**Sent:** Saturday, March 9, 2019 12:10 PM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Alyssa Miller  
Greenwaveproductions@gmail.com 96821

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaQkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBlFjp5Ig-2BVa4AXnhjgwlIM9EP3410J48S1QdEvPX4FtHRF-2FQ1nFHMPcMt8JH3bN00NSzfg4dkW3xGH5buoXu1Z1oWlQg6FM5neYMmQYHUilIQ98OzvsqFGL8WuEP3-2BsVEDsJtYeP9JqwLv3D5iMjOAvxSmtzGVmwlvswrCB5mnmoWhV64en9ADW3OKmExUX9BOJzhp2-2FvMy-2Fcq0UFe-2Bcy24i8YDAM-2BQfjcVXq6tHBVTQb-2FYfmnScIBUlosu8pCMB6ho-2BvNftYjef039NJ9-2Fuk-2B3tOGyoEnOMZarf0-2Bu7VtsptU0-2B8-3D>>



## EEPttestimony

---

**From:** Vickie Conmy <vconmy@aol.com>  
**Sent:** Saturday, March 9, 2019 11:59 AM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

My husband and I desperately want to put solar on our home but it needs to be affordable. For our keiki.

Sincerely,  
Vickie Conmy  
vconmy@aol.com  
Kula, HI

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5I7rY9EXTh4RTUouOTWEPPv2vgHJS55h7kpZuuDIA-2B-2FQKLvfRU480-2FXLJUcFLkjHmAZE93Wr6uWG2sMSCOZEOLKAcnapd-2FAIZQ1qxYmxbpQv7wDkD6plaxGCzkiP6nyD-2F6UUczGIm-2BZ-2B3GFA7U9A1v3pUAzxGMnbOIOFrvR07MwPzm7k3GWXt2NShKZH9pn3EZudsvTS50b4s8IvEDMGDtZZjYMgG1ibX60M736RivbiwyalMDFHMnDWiQs3jw0gUq13rdKfh1jhjATYFi0H-2Bna4IXqiG1iDDKfdwQ97LJI-3D>>

## EEPttestimony

---

**From:** Gerald Klappert <gklappert.email@yahoo.com>  
**Sent:** Saturday, March 9, 2019 11:59 AM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

I thought the plan for Hawaii was to be using 100% renewable energy by 2045. Wouldn't a measure like this only serve to severely hinder that goal?

Mahalo for your attention to this important matter.

Sincerely,  
Gerald Klappert  
gklappert.email@yahoo.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRTeW4IBLfjP5IMACDX-2F77xitrKrGKP4HD8HQRxlsV1C7lDwk-2FMds-2B-2B172goaqeSPXpXe6hAjaZK1Giok9Sz-2B5Rz2ud3efv6q67HelkucrtWfPec1NP3d6-2F8BRpP4VA8FGVYcFcVWarh2rozVYbO2NirGdEUVnwy1HVdbGqdOct9-2B9KJNnKxHrCGu6BTawbUcDCIz9GrVHJsmW3oNajBqw3cJSI78JS3TiffARbGl0g4fyR9NqupUrTTdRDYk-2Fhr04BOftbvXluzcx-2B-2BiroWPVw2qIHgD7PWp4aFyOK697GuWbRs1zup94NI8-3D>>

## EEPttestimony

---

**From:** Belinda Quach <belindaq@icloud.com>  
**Sent:** Saturday, March 9, 2019 11:58 AM  
**To:** EEPttestimony  
**Subject:** Support rooftop solar. Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Belinda Quach  
belindaq@icloud.com 96817

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5IrfnwpjWelgFJVI-2FIE2DewKRc6DNPIQiqsvYAtA1Y2MijWQ90nROeKX0hoo9qHjGmlZeW7iRloMFgXpZWdnj3xsq6gtrZBa4-2BbDsAfoRcye0SJ98sAsf6DgmrqPbXaS-2BmLcGSXGpsglCPXiOeLzaNPtnM4OqjAhYzuJn9Vat9fJ4NdO1sgGKBgUklGPFdWk2MT0sLyo57r-2FafTY5d90Fqkl6psKrKMuyJBfneVWt3IIsGJg6aIYv244LLwPk-2Fes0CValEDq0VJi3c1hlpFcnuWvbBVxvlaohk5Lw0Pncmrs-3D>>

## EEPttestimony

---

**From:** Bob Gulde <greek65@comcast.net>  
**Sent:** Saturday, March 9, 2019 11:50 AM  
**To:** EEPttestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Bob Gulde  
greek65@comcast.net 96756

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5I-2F5lgXyftKkbdX6PdndSF9dGRq5fqJMdEPHa9BS6sj7FLAO5RaH8Ym63oTSLvP8E6s2aYzbg09I8Tz3U9j-2FakwElc36ZWLqz1C9tLIRanVUREbwnjc50ij6rdxALMJkpePSYcHLLKuiWFeOIHxSauyDsxCJhISy-2BBgBMudu9JkVI6oJdkJ3TdbIVFafKUDvdnd1fyIgcB1nXuCAvCA-2BYUgh8kFRY4TUxVI-2BIVxw-2BHj-2F0fiCCiitrdtdqa8toqz4Sr7IP4aqlL43UU5-2BI-2F2aWT3Oy9obROLdEQyve7nfcNLg-3D>>

## EEPttestimony

---

**From:** Richard Deleon <kekaulike@msn.com>  
**Sent:** Saturday, March 9, 2019 11:48 AM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Richard Deleon  
kekaulike@msn.com 96753

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5lQCX5QZAeevBpWMSAM1GPxBq4fRFXc5COX9N6DAKMjoXnxM3w253ntY9BCplkQnPBUHYnegwOh4r-2BhPTn0Bt-2FdobtiCvIR3KbHuUGqbKdRlyY4FSWr6ru-2BtOvi-2Ff2zOcV-2B8gGlE4lGfjqkpx65wgOR0j8g3xpwJYNPQWVuhVRXSbd1cPFZ29GI9wUwHfZ1Zua6rSPco06CzqrZiyXoesouv6FVYhO9F1Wyc2uLCSb7tJlVX84KmMHXacTL5T2pqCy3Ahr18w4-2ByJ699F2qf1DKvQTLj83UA2bmDzwh9v83EU-3D>>

## EEPtestimony

---

**From:** Beatrice Amay <BEN.AMAY@HOTMAIL.COM>  
**Sent:** Saturday, March 9, 2019 11:43 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Beatrice Amay  
BEN.AMAY@HOTMAIL.COM 96720

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBILfjP5IJt-2F1h-2Fhne7Ee9Z2wvyUvXajAanoUz-2Fx1ZCnoIKKlrUy5sN-2FyUfqAsu-2FMD2VlgVI-2Bg86c7UdRR0XEiKWdSCUo8o1Ei1QIKuZybL2Wzf-2FEKVwL7xHxrsxRv-2FZ86PA4J3PwlsIvnrh7F5h2sBAkOzA8MPVtWcyi3W7coudn77tL-2FKEckUj6u55ImSIXOGpJCoufsdSwMIKIAqLxGCyoRqfxUNuVpU3jLefJf5H4R78ipGCONLxZMP2XhXpHRwD1RHDobDLFa5ZCVIUZ2wM5elrydElwAxferXfB9SDt6LCL7M-3D>>

## EEPttestimony

---

**From:** Greg Puppione <gpuppione@gmail.com>  
**Sent:** Saturday, March 9, 2019 11:43 AM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Defer SB 1163

Dear Energy and Environmental Protection Committee,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Greg Puppione  
gpuppione@gmail.com 96826-5245

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPwDm-2BSrRteW4IBlfjP5lGpHfS8g3HWxVDr2pirmEH6goY0iK21OhZa0QsBHggdBC9AcY5JbsYgVFU9097GWPYgyDpvjQeSH3JdaHzJAA5rGzTAoqLMklnRS7Zx3NN4nmiVnUnOWaf6PC45fsDofHv6tRH133xNgWd6Lo-2BIKzShupug2zVcD-2B4cXLRQsAqfLAzTVg5DAEGme5GwWDD-2BaEEpQtu-2F-2FCO4iM8Zan6jf4Z9VKG2JqgpjRu2u4Ap-2FURGYfoq6TUK6XKjTrG5KaFEGe5em69ArNUq-2BUrKNU901gbeKuMR8II4Ft8yd9WEk6zKE-3D>>

## EEPtestimony

---

**From:** Chase Pacupac <pacupac808@gmail.com>  
**Sent:** Saturday, March 9, 2019 10:40 AM  
**To:** EEPtestimony  
**Subject:** Don't Pump the Breaks on Rooftop Solar!

Dear Energy and Environmental Protection Committee Chair,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Chase Pacupac  
pacupac808@gmail.com 96734

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCAqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPwDm-2BSrRteW4IBILfjP5lr1Vr7Mbk3uXtLbjHD9eylQoQN6LyXBA7vlZce5qubGDyBJ5-2BIUsd-2BLO8M7TI5xE3SZmM7LwdgC7ADEnHMyb39kTs-2F-2F39bb4IVH3-2BA3MA6SUbZA-2Bqs4S83KmXIURqCxrdcjZBbrRd3Fmhw0GjNyTXatcUUpQ0kYztd6oaJJOcz8pZKOaYknohqN-2FwWmhNiDNFKk9IBtcazqKspzj9cC26YEpyJktB1lo4ham6Ny9A24Mf7TnC8cD3Wmk7i9yqECQWCnjoGgRKZ40S7TDrnZGZKHISICubm88C401h-2Buipwo-3D>>



## EEPttestimony

---

**From:** Laura Alskog <lauraalskog@gmail.com>  
**Sent:** Saturday, March 9, 2019 10:40 AM  
**To:** EEPttestimony  
**Subject:** Keep solar + batteries growing strong! Vote NO on SB 1163

Dear Energy and Environmental Protection Committee Chair,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Laura Alskog  
lauraalskog@gmail.com 96734

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQI2dHABB0Oo3CArPWDm-2BSrRteW4IBlFjp5lr4XvuAlynjQBV-2F9vRq-2F8HCSpHSZ6TEF2ZdsjBqoBRFcUeTasSbbMPLoMTX4tSwy7y8bZCwHWjRBxcE2SxEpUofdleyvDXNg9aLBhz19wRvzDBB16qGn1xL9yWBlg0ooAKVEEXk7KddTAHIG7Z03OkncI9I-2FK0Mv1b2m1I-2FvF2ic22YsvSTs0wUS4gXXxIAf1Z-2FUouGF0s3fHPXooDEyrScOJjxx-2BfHqEz2M-2FzHkmLkfREnY1n6gSS16jCuvASORWkZprxazDBkj6S4Y-2Ftcpdqx8mK0JrBTKJr7DXH61F-2B4g-3D>>

## EEPttestimony

---

**From:** Cynthia Keawe <keawec@yahoo.com>  
**Sent:** Saturday, March 9, 2019 10:33 AM  
**To:** EEPtestimony  
**Subject:** Keep solar + batteries growing strong! Vote NO on SB 1163

Dear Energy and Environmental Protection Committee Chair,

I'm deeply concerned about the negative impacts that SB 1163 would have on solar and battery growth in Hawaii and ask that you defer the bill. At this time in history, we should be rapidly decarbonizing and providing more resilience solutions to communities, not undermining clean energy solutions that have saved Hawaii residents billions of dollars and reduced the need for dirty, fossil fuels.

SB 1163 would slash Hawaii's renewable energy tax credit by more than half starting next year. This is poor policy and sends a terrible signal to residents and the business -- don't invest in Hawaii, they don't care about market stability.

I urge you to support Hawaii residents who are trying to do the right thing for our environment and economy, and defer this bill. This would drastically halt or slow the growth of rooftop solar and home batteries, a move that would hurt your constituents, our state and the planet.

Sincerely,  
Cynthia Keawe  
keawec@yahoo.com 96792

<<http://feedback.advocacymailer.com/wf/open?upn=4w82Lvc6CgMCaqkM4EPI009y8zHXVfsZ8FohT1VI5HA1D1cv39xy8QYiWQexCuMccjDOHoNb5XrUjQu66XuQ0EgpeJ8kQl2dHABB0Oo3CArPWDm-2BSrRteW4IBlfjP5I0ZKYaRCD7hbgo-2B1JF069JX7JTvOomckO-2B-2BleruR23FWncNPwE3oLpE1h7jQaQLUcexpZ4hd7GwiNsRwAPTEyTwcuC-2F4A7ujd1qKmobk3hb-2FikllwE3iBQnpTcp-2B-2F04S70pO3ixwSRNWLvRt2rDp4WAlmUpgpL8XIEFMz5pOLEjxTDMqEMXg-2BLFS-2Btr850MLSpHF-2Fwj8RSeraTaV1f-2F5N6PAcmzkAvGlirsNtlZ8-2BYISoGDHXk-2Fo9SIApV0-2FCamy7JYU-2FEFFOTmWGCqIXaBQupsquAllkJalQOozn5uYTVs-3D>>