



## DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

DAVID Y. IGE  
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MIKE MCCARTNEY  
DIRECTOR

CHUNG I. CHANG  
DEPUTY DIRECTOR

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Statement of  
**MIKE MCCARTNEY**  
Director

Department of Business, Economic Development, and Tourism  
before the

**HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION**

Thursday, March 17, 2022  
9:00 AM

State Capitol, Conference Room #325 & Videoconference

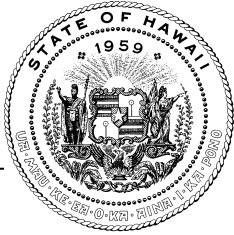
In consideration of  
**SB 3057, SD2**  
**RELATING TO RENEWABLE PORTFOLIO STANDARDS.**

Chair Lowen, Vice Chair Marten, and members of the Committee.

The Department of Business, Economic Development and Tourism (DBEDT) strongly supports this Administrative measure, SB 3057, SD2, that amends the definition of renewable portfolio standard to be a percentage of electrical energy generation, rather than sales.

This bill will simplify the calculation, using renewable generation in the numerator and total generation in the denominator and allow the results of the calculation (the math) to better match Hawai'i's stated energy goal (the language).

Thank you for the opportunity to testify.



# HAWAII STATE ENERGY OFFICE STATE OF HAWAII

DAVID Y. IGE  
GOVERNOR

SCOTT J. GLENN  
CHIEF ENERGY OFFICER

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Testimony of  
**SCOTT J. GLENN, Chief Energy Officer**

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

Thursday, March 17, 2022  
9:00 AM

State Capitol, Conference Room 325 & Videoconference

**SUPPORT  
SB 3057, SD2  
RELATING TO RENEWABLE PORTFOLIO STANDARDS.**

Chair Lowen, Vice Chair Marten, and Members of the Committee, the Hawai'i State Energy Office (HSEO) supports and recommends amendments to SB 3057, SD2, an Administration measure, which amends the definition of renewable portfolio standard to be a percentage of electrical energy generation, rather than sales, and requires electric utility companies to track and annually report data and trends on customer retention and attrition to further inform the calculation of renewable portfolio standards.

The companion to this bill, HB 2089, was heard and amended by this Committee in February. As described previously, it has been generally understood for several years that the calculation of Hawai'i's renewable portfolio standard should and must change to be consistent with public understanding, Hawai'i's policies (including the enactment in 2018 of Hawai'i's carbon net negative goal),<sup>1</sup> and increasing concerns over continued reliance on imported fossil fuels; making this change now, just after completing the 2020 milestone and several years in advance of the 2030 milestone, gives a greater degree of clarity and certainty to Hawai'i's electric utilities, as well as to the public, regarding Hawai'i's "100% renewable" objective. Without this change, it would be possible to reach the "100 per cent renewable portfolio standard" with only 79 per cent of Hawai'i's electricity produced from renewable sources and the other 21 per

<sup>1</sup> [Section 225P-5, Hawai'i Revised Statutes.](#)

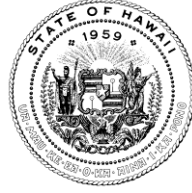
cent still generated from fossil fuel; and, finally, that the more intuitively correct approach to the RPS calculation established by this bill, together with numerous policies, incentives, requirements, and other constraints, will accelerate the reduction in the use of fossil fuels to generate electricity in Hawai'i.

HSEO prefers the language contained in HB2089 HD2. HSEO also recommends deleting the language in SB 3057, SD2, on page 9, lines 6-13, as the requirement may be unnecessarily complicated and constraining, may divert time and attention from other efforts, and introduces an undefined term, "independent producer."

~~The electric utility company shall make every reasonable effort to ensure that independent producers connected to the grid are converting to renewable resources by July 1, 2027, including but not limited to providing not more than five-year contracts for the producers to connect to the grid; provided that, if a producer cannot or will not convert to renewable resources, the electric utility company shall not renew its contract with the producer.~~

HSEO thanks the Committee for hearing this bill and respectfully requests your approval of it, with the recommended changes.

Thank you for the opportunity to testify.



DAVID Y. IGE  
GOVERNOR

JOSH GREEN  
LT. GOVERNOR

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

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CATHERINE P. AWAKUNI COLÓN  
DIRECTOR

JO ANN M. UCHIDA TAKEUCHI  
DEPUTY DIRECTOR

**Testimony of the Department of Commerce and Consumer Affairs**

**Before the  
House Committee on Energy & Environmental Protection  
Thursday, March 17, 2022  
9:00 AM  
Conference Room 325 & Videoconference**

**On the following measure:  
S.B. 3057, SD2, RELATING TO RENEWABLE PORTFOLIO STANDARDS**

Chair Lowen and Members of the Committee:

My name is Dean Nishina, and I am the Executive Director of the Department of Commerce and Consumer Affairs' (Department) Division of Consumer Advocacy. The Department supports the intent of this bill.

The purpose of this bill is to amend the definition of "renewable portfolio standard" to be a percentage of electrical energy generation, rather than sales, excluding customer-sited, grid connected generation that does not produce renewable energy; and, to require electric utility companies to track and annually report data and trends on customer retention and attrition to further inform the calculation of renewable portfolio standards.

The Department continues to support the State's goal of 100% renewable energy on its electric grids by 2045, and so the Department supports the proposal to modify the existing Renewable Portfolio Standards (RPS) calculation in Hawaii Revised Statutes (HRS) section 269-91 by replacing "sales" with "generation" in the calculation, effective July 1, 2022. This modification will eliminate the existing "loophole" that could allow the

State to achieve a 100% RPS but still have a significant contribution from fossil-fueled generation sources, as well as suggest that more than 100% of generation is from renewable energy.

The Department notes how this bill modifies the calculation of the interim 2030 and 2040 calculations and offers that, when the RPS calculation is modified, the corrected calculation will automatically require more grid-connected renewable energy than is currently required. The Department notes how Section 3 of this SD2 version further amends HRS section 269-91 to exclude from the RPS calculation “customer-sited, grid connected generation that does not produce renewable energy”.

The Department also supports the notion of tracking customer data and trends and appreciates how this SD2 version, like the SD1 version, still amends the original bill by creating a different section of HRS 269, rather than inserting the proposed language in section 269-92, which the Department believes may clarify that such tracking is not somehow restricted to customer retention and attrition limited to renewable energy generation.

The Department is concerned, however, where this SD2 version adds a new subsection (12) to HRS subsection 269-92(d), adding that “[n]on-renewable energy generated by electric generation facilities where the electric utility otherwise does not have direct control or ownership of independent power producers, government and non-government agencies, and any persons or entities, including merchant or co-generation facilities” is an “[e]vent[] or circumstance[] that [is] beyond an electric utility company's reasonable control . . . to the extent the event or circumstance could not be reasonably foreseen and ameliorated”. SD2 also includes language that would require independent power producers to begin converting its facilities to renewable resources by July 1, 2027. The Department respectfully offers its concerns that the additional language will create inconsistencies with other portions of this section. For instance, since the utility can and should plan ahead for RPS goals via its contracting processes and power purchase agreement terms, rather than allowing an exception for all grid connected generation not directly owned or controlled by the utility, the exception should be consistent with the notion that customer-sited generation connected to the grid could be

an exception. In addition, requiring independent power producers to begin converting within a five-year timeline – which is much sooner than needed to meet the RPS goals is also inconsistent with the RPS goals and could result in unintended consequences.

Thank you for the opportunity to testify, and we respectfully ask the Committee to pass the previous SD1 version of this administration bill.

TESTIMONY OF  
JAMES P. GRIFFIN, Ph.D.  
CHAIR, PUBLIC UTILITIES COMMISSION  
STATE OF HAWAII

TO THE  
HOUSE COMMITTEE ON  
ENERGY AND ENVIRONMENTAL PROTECTION

March 17, 2022  
9:00 a.m.

Chair Lowen and Members of the Committee:

**MEASURE:** S.B. No. 3057, SD2

**TITLE:** RELATING TO RENEWABLE PORTFOLIO STANDARDS.

**DESCRIPTION:** Amends the definition of "renewable portfolio standard" to be a percentage of electrical energy generation, rather than sales, excluding customer-sited, grid connected generation that does not produce renewable energy. Requires electric utility companies to track and annually report data and trends on customer retention and attrition to further inform the calculation of renewable portfolio standards. Effective 7/1/2050. (SD2).

**POSITION:**

The Public Utilities Commission ("Commission") supports this measure and offers the following comments for consideration.

**COMMENTS:**

The Commission believes that calculating renewable portfolio standard ("RPS") achievement in the manner proposed by this measure will present a more accurate picture of how much of the state's electricity is produced from renewable energy sources, ensuring alignment with the intent of the renewable portfolio standards goals.

The definition proposed in this measure is consistent with the RPS achievement performance incentive mechanism for Hawaiian Electric ("RPS-A PIM") under the performance-based regulation framework, which is calculated as the total system renewable generation divided by total generation of electricity.

However, the Commission believes the language on page 9, lines 6-13, may have unintended consequences and could be challenging to enforce. This language would require:

“The electric utility company shall make every reasonable effort to ensure that independent producers connected to the grid are converting to renewable resources by July 1, 2027, including but not limited to providing not more than five-year contracts for the producers to connect to the grid; provided that, if a producer cannot or will not convert to renewable resources, the electric utility company shall not renew its contract with the producer.”

While the language referring to “independent producers” may be directed toward large commercial and industrial customers with co-generation or backup generation equipment that run on fossil fuels, these requirements could be interpreted to apply to independent power producers with utility-scale power plants under long-term contracts with the utilities. Therefore, the Commission respectfully recommends the language be modified to more clearly describe the affected producers and the utility’s obligations under the law.

Finally, the Commission notes that expressing RPS requirements in terms of electricity generation rather than utility sales will require a higher level of renewable generation to achieve the same target level. The Commission will continue to support renewable energy efforts and create a regulatory environment that facilitates achievement of the State’s energy goals.

Thank you for the opportunity to testify on this measure.



**SB-3057-SD-2**

Submitted on: 3/15/2022 8:42:02 AM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Ted Bohlen	Climate Protectors Hawai'i	Support	Written Testimony Only

Comments:

Re: Hearing SB3057 SD2 **RELATING TO RENEWABLE ENERGY.**

Wednesday March 17, 2022, 9:00 a.m., by videoconference

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

The Climate Protectors Hawai'i is a group focused on reversing the climate crisis and encouraging Hawai'i to lead the world towards a safe and sustainable climate and future. **The Climate Protectors Hawai'i STRONGLY SUPPORTS SB3057 SD1!**

This bill would amend the renewable portfolio standard (RPS) definition to more accurately reflect the percentage of renewable energy use in the State, by basing it on generation rather than sales. It would add customer-sited generation distributed energy resources (DER) into the denominator of the RPS calculation. Under the current RPS definition, customer-sited, grid-connected DER is only included in the numerator. This overstates the electric utility's actual progress on renewable energy adoption.

**This change is needed to accurately track utilities' renewable energy percentages.**

Please pass this bill! Mahalo!

Climate Protectors Hawai'i (by Ted Bohlen)



**Hawaiian  
Electric**

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

**SB 3057 SD2**

**Relating to Renewable Portfolio Standards**

Thursday, March 17, 2022

09:00 am, Agenda Item #4

State Capitol, Conference Room 325 & Videoconference

Marc Asano

Director, Integrated Grid Planning

Hawaiian Electric

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

My name is Marc Asano and I am testifying on behalf of Hawaiian Electric Company **in opposition to SB 3057 SD2**, Relating to Renewable Portfolio Standards.

SB 3057 SD2 amends the definition of renewable portfolio standard for electric utility companies to be a percentage of electrical energy generation, rather than sales, and also requires the utility company to make every reasonable effort to ensure independent producers connected to the grid are converting to renewable resources by July 1, 2027.

Hawaiian Electric supports the intent of the bill to change the RPS definition for an electric utility from a percentage of sales to a percentage of generation. However, unlike its companion bill HB 2089 HD1, the SD2 version of SB 3057 contains a provision that requires independent producers convert to renewable sources by July 1, 2027, including limiting contracts to not more than five-year terms if a producer cannot or will not convert to renewable resources, prohibiting the electric utility company from renewing its contract with the producer. This provision may adversely impact grid

reliability and raise electric rates for customers. Five years is insufficient time to ensure that independent producers can convert to renewable sources and if they cannot do so, is insufficient to procure replacement capacity to ensure that Hawaiian Electric can continue to deliver reliable electricity. The effect of this provision would result in independent producers “walking away” and terminating their contract leaving Hawaiian Electric and the state with an unreliable grid. This provision will also force conversion to higher priced renewable fuels earlier than already required under the RPS milestones set forth in §269-92, which in turn is likely to raise electric rates for customers even above the effect of the suspension of purchase of Russian crude oil.

This provision is not necessary. First, within the next few years significant renewable energy will be integrated into the system, significantly reducing overall oil consumption, as Hawaiian Electric moves closer to achieving carbon emission reductions of 70 percent by 2030 compared to 2005 levels. Through the Governor’s Powering Past Coal Task Force, Hawaiian Electric has been diligently working with state agencies, project partners and others to ensure these renewable projects are interconnected as soon as possible. For example, the 39 MW Mililani I Solar project paired with battery energy storage has completed construction and will next undergo its final commissioning and testing to reach commercial operations by July 2022.

Second, Hawaiian Electric recently issued a draft request for proposals for firm renewable generation by 2029 to bring on additional renewable generation that will help to ensure reliability. The request for proposals will help to address the intent of the provision that was added to this bill.

The following should be stricken from Section 4 to ensure alignment to HB 2089 HD1 and to mitigate concerns related to mandating conversion to renewable sources by July 1, 2027:

- **On page 9, starting on line 6:** The electric utility company shall make every reasonable effort to ensure that independent producers connected to the grid are converting to renewable resources by July 1, 2027, including but not limited to providing not more than five-year contracts for the producers to connect to the grid; provided that, if a producer cannot or will not convert to renewable resources, the electric utility company shall not renew its contract with the producer.

Accordingly, Hawaiian Electric opposes SB 3057 SD2 while offering proposed amendments for your consideration. Thank you for this opportunity to testify.

**SB-3057-SD-2**

Submitted on: 3/15/2022 6:56:11 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Travis Idol	Hawaii Interfaith Power and Light	Support	Written Testimony Only

Comments:

Hawaii Interfaith Power and Light strongly supports the intent of SB3057 SD2. We believe in a just, equitable, and sustainable future for all, and 100% renewable energy with as much generated locally as possible is an essential part of that. As we work toward that goal, we rely on the renewable portfolio standard (RPS) to show us our progress and hold ourselves accountable to meeting benchmarks along the way. The RPS, therefore, should be comprehensive and reflect the plain-English understanding of what is meant by the proportion or percentage of renewable energy that is powering our lives in Hawaii.

This bill provides a simple, yet necessary correction to how the RPS is calculated by changing reference to energy “sales” to energy “generation”, helping to correct the overestimation of renewable energy produced in the state, and also accounting for energy losses that occur from energy transmission. It is important that this calculation is corrected to ensure that the number reported means what we expect it to reflect.

HIPL also supports a SUGGESTED AMENDMENT: We agree with the recommendation that the target for renewable energy generation by 2030 be increased from the current 40% to 80%! Climate scientists have been telling us that this decade is the critical one for transitioning off of fossil fuels, so we need to increase our commitment and accelerate our transition to a clean, green, sustainable energy future. Let's make Hawaii the model and the leader in achieving this necessary goal.

**SB-3057-SD-2**

Submitted on: 3/15/2022 9:10:18 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Sylvia Dolena	Aloha Animal Advocates and Pele Lani Farm LLC	Support	Written Testimony Only

Comments:

SUPPORT SB3057

**WHY IS THIS IMPORTANT?** This bill will change the Renewable Portfolio Standards so that they are based on electricity generation instead of electricity sales. The current calculation overestimates the amount of renewable energy serving Hawaii's electric utility customers. This change will provide a more accurate picture of how much of the state's electricity is produced from renewable energy sources, ensuring alignment with the intent of the renewable portfolio standards goals. Failure to address these issues creates an incorrect measure of the State's progress toward its goal of one hundred per cent renewable energy.



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

HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION  
Thursday, March 17, 2022 — 9:00 a.m.

**Ulupono Initiative supports SB 3057 SD 2, Relating to Renewable Portfolio Standards.**

Dear Chair Lowen and Members of the Committee:

My name is Micah Munekata, and I am the Director of Government Affairs at Ulupono Initiative. We are a Hawai'i-focused impact investment firm that strives to improve the quality of life throughout the islands by helping our communities become more resilient and self-sufficient through locally produced food; renewable energy and clean transportation; and better management of freshwater and waste.

**Ulupono supports SB 3057 SD 2**, which amends the definition of the renewable portfolio standard (RPS) to be a percentage of electrical energy generation rather than sales, excluding customer-sited, grid-connected generation that does not produce renewable energy; and, requires the electric utility companies to track and annually report data and trends on customer retention and attrition to further inform the calculation of renewable portfolio standards.

Ulupono remains supportive of amending the RPS definition to more accurately reflect the percentage of renewable energy use in the State by including customer-sited generation distributed energy resources (DER) into the denominator of the RPS calculation. Under the current RPS definition, customer-sited, grid-connected DER is only included in the numerator. This overstates the electric utility's actual progress on the State's level of renewable energy adoption. Pursuant to Act 97, SLH 2015 (Act 97), for the year 2020, Hawai'i was to generate 30 percent of the state's electricity from renewable resources. According to Hawaiian Electric's 2020 RPS Status Report, under the current RPS definition, the utility reported a consolidated RPS of 34.5 percent, of which customer-sited generation accounted for 47.3 percent of the total consolidated megawatt hours (MWh) of electrical energy generated from renewable energy sources.<sup>i</sup> In comparison, if the corrected RPS definition was applied for 2020, Hawaiian Electric's consolidated RPS would be 25.6%, 8.9% less than the reported consolidated RPS total for 2020, and 4.4% less than 2020 RPS target established by Act 97.

*Investing in a Sustainable Hawai'i*



If passed, this measure would more accurately reflect the legislative intent of Act 97, SLH 2015, and would be appropriately aligned with the Public Utilities Commission's (PUC) recent decision in the Performance-Based Regulation docket, to provide the electric utility with financial rewards for exceeding interim year RPS targets based on the corrected RPS percentage.<sup>ii</sup>

As Hawai'i's energy issues become increasingly complex and challenging, we appreciate this committee's efforts to look at policies that support the continued implementation of renewable energy resources throughout the islands.

Thank you for this opportunity to testify.

Respectfully,

Micah Munekata  
Director of Government Affairs

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<sup>i</sup>See Hawai'i Public Utilities Commission, Docket 2007-0008, [Hawaiian Electric's 2020 Renewable Portfolio Standard Status Report](#), filed February 12, 2021.

<sup>ii</sup>See Hawai'i Public Utilities Commission, Docket 2018-0088 – Instituting a Proceeding to Investigate Performance Based Regulation, Decision and Order 37507 at 116. “The structure of the [Renewable Portfolio Standard-Accelerated] PIM is as follows...the metric will be the Companies' annual compliance with the RPS (% and year-based milestone), on a consolidated basis. The PIM will utilize a “corrected” methodology, where the RPS will be calculated based on the total system renewable generation divided by total system generation of electricity, rather than division by net sales.”





To: The House Committee on Energy and Environmental Protection  
From: Sherry Pollack, 350Hawaii.org  
Date: Thursday, March 17, 2022, 9am

**In support of SB3057 SD2**

Aloha Chair Lowen, Vice Chair Marten, and Energy and Environmental Protection Committee members,

I am Co-Founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. 350Hawaii.org supports **SB3057 SD2** which would amend the renewable portfolio standard (RPS) to more accurately reflect the percentage of renewable energy penetration in the State.

This bill provides a simple, yet necessary correction to how the RPS is calculated by changing reference to energy “sales” to energy “generation”, helping to correct the overestimation of renewable energy produced in the state, and also accounting for energy losses that occur from energy transmission. It is important that this calculation is corrected to ensure that the intended outcome is achieved.

But while it is very important to correct this calculation, it is also important to ensure our targets better reflect the current science. The UN IPCC report makes clear we must limit warming to 1.5 degrees Celsius, and that to do this it requires a major and immediate transformation across all sectors to achieve the needed emissions reductions. In light of this scientific information about the climate emergency, we need to accelerate our adoption of renewable energy. That said, we respectfully recommend that the renewable energy target for 2030 be increased from the current 40% to 80% of generation. Accelerating our pathway to transition to 100% renewable energy is not only critically necessary, but doable. We urge you to consider this amendment.

Mahalo for the opportunity to testify in **support** of this very important bill.

Sherry Pollack  
Co-Founder, 350Hawaii.org

**SB-3057-SD-2**

Submitted on: 3/16/2022 6:38:01 AM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
laurel brier	Kauai women's caucus	Support	Written Testimony Only

Comments:

Let's get it right! If we don't measure accurately, we can't deal with the issue efficiently or as intended. And as long as the Bill is being correctly let's up the goals to be more in line with the more recent IPCC report and what really needs to happen to address the Climate Crisis. Let's reach the goal of over 60% renewables by 2030. We can do it.



**Testimony to the Committee on Energy & Environmental Protection  
Thursday, March 17, 2022  
9:00 AM  
Conference Room 325, Hawaii State Capitol & VIA Video Conference  
SB 3057 SD2**

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

Hawaii Clean Power Alliance (HCPA) supports SB 3057 SD1, which amends the definition of renewable portfolio standard to be a percentage of electrical energy generation rather than sales.

Hawaii Clean Power Alliance is a nonprofit alliance organized to advance and sustain the development of clean energy in Hawaii. Our goal is to support the state's policy goal of 100 percent renewable energy by 2045. We advocate for utility-scale renewable energy, which is critical to meeting the state's clean energy and carbon reduction goals.

In introducing this bill, the legislature prudently recognizes that in order to meet the 100% Renewable Portfolio Standards (RPS) for electric energy goal of 2045, the calculations and measurement tools used must truly and accurately reflect the achievement in eliminating fossil fuels in electric utilities' generation. The current RPS measurement standard, which relies on sales rather than generation, inflates the achievement number to include energy generated by others. It also eliminates any losses that might occur between generation and the meter, again inflating the number. By simply shifting from sales to generation, these discrepancies are resolved. The electric utilities next milestone for achievement of RPS occurs in 2030, providing time for this adjustment in definition and the current statute provides for provisions for events or circumstances that are beyond an electric utility company's reasonable control.

We ask that the committee pass this bill.

Thank you for the opportunity to testify.

**SB-3057-SD-2**

Submitted on: 3/14/2022 11:09:26 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Janet L Pappas	Individual	Support	Written Testimony Only

Comments:

Dear EEP Committee members,

Please pass SB3057 SD2 so that we may accurately track the amount of renewable energy being produced in Hawaii. We cannot know when we have reached our goal of 100% renewable energy if the method being used for the calculation is invalid.

Thank you,

Jan Pappas

Aiea, Hawaii 96701

**SB-3057-SD-2**

Submitted on: 3/15/2022 8:25:38 AM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
C. Vierra	Individual	Support	Written Testimony Only

Comments:

I support this bill.

Mahalo

**SB-3057-SD-2**

Submitted on: 3/15/2022 8:29:57 AM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
John NAYLOR	Individual	Support	Written Testimony Only

Comments:

Aloha,

I recommend that the renewable energy target for 2030 be increased from the current 40% to 80% of generation. Accelerating our pathway to transition to 100% renewable energy is not only critically necessary, but doable, and with the added benefit that it will save us money.

LOOK UP !

JN Makawao

**SB-3057-SD-2**

Submitted on: 3/15/2022 9:54:04 AM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
ANDREW ISODA	Individual	Support	Written Testimony Only

Comments:

-SB3057 SD2 is needed so that the renewable portfolio standard (RPS) more accurately reflects the percentage of renewable energy penetration in the State, ensuring alignment with the intent of the renewable portfolio standards goals.

- This bill provides a simple, yet necessary correction to how the RPS is calculated by changing reference to energy “sales” to energy “generation”, helping to correct the overestimation of renewable energy produced in the state, and also accounting for energy losses that occur from energy transmission. It is important that this calculation is corrected to ensure that the intended outcome is achieved.

- SUGGESTED AMENDMENT: I recommend that the renewable energy target for 2030 be increased from the current 40% to 80% of generation. Accelerating our pathway to transition to 100% renewable energy is not only critically necessary, but doable, and with the added benefit that it will save us money.

**SB-3057-SD-2**

Submitted on: 3/15/2022 10:14:55 AM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Keith Neal	Individual	Support	Written Testimony Only

Comments:

I support SB3057 SD2

The state renewable portfolio standard (RPS) must more accurately reflect the percentage of truly renewable energy. Hawaii's RPS must be calculated on energy 'generation', rather than simply 'sales'.

**SUGGESTED AMENDMENT:**

Hawaii's renewable energy target for 2030 should be increased from the current 40% to 80% of generation. Transitioning to 100% renewable energy by 2045 will be challenging, but critically necessary for a clean, healthy, energy secure future.

Respectful submitted,

Keith Neal



**SB-3057-SD-2**

Submitted on: 3/15/2022 10:23:14 AM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Melissa Barker	Individual	Support	Written Testimony Only

Comments:

I respectfully ask that you support SB 3057 SD2 concerning renewable portfolio standards.

Thank you,

Melissa Barker

**SB-3057-SD-2**

Submitted on: 3/15/2022 11:39:17 AM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Mary Lu Kelley	Individual	Support	Written Testimony Only

Comments:

Aloha,

I have learned thT SB3057 SD2 is needed so that the renewable portfolio standard (RPS) more accurately reflects the percentage of renewable energy penetration in the State, ensuring alignment with the intent of the renewable portfolio standards goals.

This bill provides a simple, yet necessary correction to how the RPS is calculated by changing reference to energy “sales” to energy “generation”, helping to correct the overestimation of renewable energy produced in the state, and also accounting for energy losses that occur from energy transmission. It is important that this calculation is corrected to ensure that the intended outcome is achieved.

I recommend that the renewable energy target for 2030 be increased from the current 40% to 80% of generation. Accelerating our pathway to transition to 100% renewable energy is not only critically necessary, but doable, and with the added benefit that it will save us money.

Thank you.

**SB-3057-SD-2**

Submitted on: 3/15/2022 12:09:00 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Malachy Grange	Individual	Support	Written Testimony Only

Comments:

This bill provides a simple, yet necessary correction to how the RPS is calculated by changing reference to energy “sales” to energy “generation”, helping to correct the overestimation of renewable energy produced in the state, and also accounting for energy losses that occur from energy transmission. It is important that this calculation is corrected to ensure that the intended outcome is achieved.

**SB-3057-SD-2**

Submitted on: 3/15/2022 1:00:11 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Caroline Kunitake	Individual	Support	Written Testimony Only

Comments:

Dear Chair Lowen, Vice Chair Marten and the Committee on Energy and Environmental Protection,

I support SB3057 SD2.

**SUGGESTED AMENDMENT:** I recommend that the renewable energy target for 2030 be increased from the current 40% to 80% of generation. Accelerating our pathway to transition to 100% renewable energy is not only critically necessary, but doable, and with the added benefit that it will save us money.

SB3057 SD2 is needed so that the renewable portfolio standard (RPS) more accurately reflects the percentage of renewable energy penetration in the State, ensuring alignment with the intent of the renewable portfolio standards goals.

This bill provides a simple, yet necessary correction to how the RPS is calculated by changing reference to energy “sales” to energy “generation”, helping to correct the overestimation of renewable energy produced in the state, and also accounting for energy losses that occur from energy transmission. It is important that this calculation is corrected to ensure that the intended outcome is achieved.

I appreciate the opportunity to provide support for SB3057 SD2. Thank you for your time and attention to this matter.

Mahalo,

Caroline Kunitake

**SB-3057-SD-2**

Submitted on: 3/15/2022 1:31:43 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Racquel Segato-Figueroa	Individual	Support	Written Testimony Only

Comments:

Aloha! As a Hawai'i resident I support SB3057 SD2 because I am concerned about the climate crisis and want to know that our state is doing everything in its power to mitigate climate change. Right now the renewable portfolio standard is not accurately reflecting renewable energy penetration in the State, giving us a false analysis of whether or not we are meeting our 100% renewable energy goals. This bill will help correct this issue by looking at energy "generation" rather than "sales" so that we no longer overestimate our renewable energy production in the state. Please support this bill so that we can truly measure and meet our 100% renewable energy goal. To become a true state leader in fighting climate change I recommend that we increase the renewable energy target for 2030 from 40% to 80%. Accelerating our pathway to 100% renewable energy is of the utmost importance and we can do it - creating new jobs and saving us money in the long term. Mahalo!

**SB-3057-SD-2**

Submitted on: 3/15/2022 1:52:20 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Jesse Palmer	Individual	Support	Written Testimony Only

Comments:

I strongly support this measure. I believe it needs to be amended so that the renewable energy target for 2030 be increased from the current 40% to 80% of generation. Currently, we are not moving fast enough to avoid the worst of the problems ahead.

**SB-3057-SD-2**

Submitted on: 3/15/2022 3:40:20 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Andrea Quinn	Individual	Support	Written Testimony Only

Comments:

Dear Honorable Committee Members:

Please support SB3057.

Thank you for the opportunity to present my testimony.

Andrea Quinn

Kihei, Maui

**SB-3057-SD-2**

Submitted on: 3/15/2022 6:10:46 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
John Latkiewicz	Individual	Support	Written Testimony Only

Comments:

This bill will change the Renewable Portfolio Standards so that they are based on electricity generation instead of electricity sales. The current calculation overestimates the amount of renewable energy serving Hawaii's electric utility customers. This change will provide a more accurate picture of how much of the state's electricity is produced from renewable energy sources, ensuring alignment with the intent of the renewable portfolio standards goals. Failure to address these issues creates an incorrect measure of the State's progress toward its goal of one hundred per cent renewable energy.



**SB-3057-SD-2**

Submitted on: 3/15/2022 7:20:43 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

Submitted By	Organization	Testifier Position	Testify
tlaloc tokuda	Individual	Support	Written Testimony Only

Comments:

Dear EEP Chair and Committee,

Please pass [SB3057](#) SD2. I **SUPER support** SB3057 SD2 because the bill will change the Renewable Portfolio Standards so that they are based on electricity generation instead of electricity sales. The current calculation overestimates the amount of renewable energy serving Hawaii's electric utility customers. This change will provide a more accurate picture of how much of the state's electricity is produced from renewable energy sources, ensuring alignment with the intent of the renewable portfolio standards goals. Failure to address these issues creates an incorrect measure of the State's progress toward its goal of one hundred per cent renewable energy. It is important that this calculation is corrected to ensure that the intended outcome is achieved.

[350HI.com](#) (I am a member of 350HI and agree with the SUGGESTED AMENDMENT): we recommend that the renewable energy target for 2030 be increased from the current 40% to 80% of renewable generation. Accelerating our pathway to transition to 100% renewable energy is not only critically necessary, but doable, and with the added benefit that it will save us money. Several years ago when Kauai set their target for 75% renewable no one thought they would/could meet this target but they did and under the allotted time. So it will not be difficult to meet 80% target now!

Mahalo for your consideration,

Tlaloc Tokuda

Kailua Kona HI 96740

**SB-3057-SD-2**

Submitted on: 3/15/2022 7:23:59 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Koohan Paik	Individual	Support	Written Testimony Only

Comments:

SUPPORT

**SB-3057-SD-2**

Submitted on: 3/15/2022 7:49:28 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Sherri Thal	Individual	Support	Written Testimony Only

Comments:

Aloha,

I support SB3057 SD2 as measuring generation of electricity rather than sales will more accurately reflect the amount of renewable energy being utilized by consumers in our state. It is necessary to measure proficiently so that Hawaii can align with the intent of the renewable portfolio standards goals.

Amendment: I recommend that the renewable energy target for 2030 be increased from the current 40% to 80% of generation. Accelerating our pathway to transition to 100% renewable energy is not only critically necessary, but doable, and with the added benefit that it will save us money.

Mahalo,

Sherri Thal, Keaau, HI 96749

**SB-3057-SD-2**

Submitted on: 3/15/2022 8:21:02 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Noreen Dougherty	Individual	Support	Written Testimony Only

Comments:

Senators,

Hawaii has a unique opportunity to set by exmple and help lead the way in passing beneficial enviromental bills this sessionl. Please support SB3057 SD.

Mahalo.

Nofreen Dougherty

Kapaa, Hawaii

**SB-3057-SD-2**

Submitted on: 3/15/2022 8:37:38 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Vivien Lee and Charlie Reppun	Individual	Support	Written Testimony Only

Comments:

We support this bill and suggest it be amended:

**SUGGESTED AMENDMENT:** I recommend that the renewable energy target for 2030 be increased from the current 40% to 80% of generation. Accelerating our pathway to transition to 100% renewable energy is not only critically necessary, but doable, and with the added benefit that it will save us money.

Thank you.

Charlie Reppun and Vivien Lee

**SB-3057-SD-2**

Submitted on: 3/15/2022 8:45:00 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Shannon Rudolph	Individual	Support	Written Testimony Only

Comments:

Support

**SB-3057-SD-2**

Submitted on: 3/15/2022 9:20:31 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Kris Matsumoto Wong	Individual	Support	Written Testimony Only

Comments:

I support SB 3057 SD2. Please pass this reasonable, sounds like logical housekeeping bill.

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**Benjamin Duke**

Kailua-Kona

March 15, 2022

Re: SB3057

Committee on Energy and Environmental Protection

Rep. Nicole Lowen, Chair

Rep. Lisa Marten, Vice Chair

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

I would like to express my support for SB3057. I believe that climate change is the biggest issue that our state faces. Please help make this necessary correction to how the Renewable Portfolio Standard is calculated. Our state will become increasingly vulnerable to climate change if we don't reduce our carbon footprint. Our state can lead the way by passing legislation such as this. I suggested an amendment that addresses the urgency of climate change and how critical it is for us to take sizable action soon. I recommend that the renewable energy target for 2030 be increased from the current 40% to 80% of generation. Accelerating our pathway to transition to 100% renewable energy is not only critically necessary, but doable, and with the added benefit that it will save us money.

Mahalo for your consideration,

Benjamin Duke



**SB-3057-SD-2**

Submitted on: 3/16/2022 8:18:49 AM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
P Noel Bobilin	Individual	Support	Written Testimony Only

Comments:

Aloha, I support SB3057 SD2 because it is needed so that the renewable portfolio standard (RPS) more accurately reflects the percentage of renewable energy penetration in the State, ensuring alignment with the intent of the renewable portfolio standards goals.

This bill provides a simple, yet necessary correction to how the RPS is calculated by changing reference to energy “sales” to energy “generation”, helping to correct the overestimation of renewable energy produced in the state, and also accounting for energy losses that occur from energy transmission. It is important that this calculation is corrected to ensure that the intended outcome is achieved.

**SUGGESTED AMENDMENT:** I recommend that the renewable energy target for 2030 be increased from the current 40% to 80% of generation. Accelerating our pathway to transition to 100% renewable energy is not only critically necessary, but doable, and with the added benefit that it will save us money.

Thank you

Noel Bobilin

Fern Forest, Hawaii

**SB-3057-SD-2**

Submitted on: 3/16/2022 8:59:18 AM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Jim Scancella	Individual	Support	Written Testimony Only

Comments:

This bill provides a simple, yet necessary correction to how the RPS is calculated by changing the reference to energy “sales” to energy “generation”, helping to correct the overestimation of renewable energy produced in the state, and also accounting for energy losses that occur from energy transmission. It is important that this calculation is corrected to ensure that the intended outcome is achieved.

**SB-3057-SD-2**

Submitted on: 3/16/2022 9:26:44 AM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Cheryl Ho	Individual	Support	Written Testimony Only

Comments:

Aloha, Chair and Members of the Committee:

I am a grandmother of eight, with three of them holding drivers licenses, and one having purchased a vehicle. They have learned in school about the necessity to sharply decrease carbon emissions for the sake of our survival.

The dad of one is a certified auto mechanic. I have talked with him about getting certified to work on electric vehicles.

EVs are the transportation of the future, if we want Hawai'i to seriously decrease dependence on fossil fuels. This bill will support the statewide effort to expand our EV charging infrastructure and accelerate the adoption of clean transportation across the state.

I urge you to pass SB3057 SD2!!

Mahalo,

Cheryl O. Ho, MSW,

Nu'uano

## SB 3057 SD 2 TESTIMONY

To: House Committee on Energy and Environmental Protection  
Hearing on March 17, 2022 at 9:00 a.m.

From: John Kawamoto

Position: Support

Hawaii was an early adopter of the Renewable Portfolio Standard (RPS) in 2001, and the RPS has been instrumental in moving Hawaii toward renewable energy.

The RPS has been based on net electricity sales since 2001. However, conditions continually change, and new information continually becomes available, so the RPS should be adjusted accordingly. The RPS based on net electricity sales has been found to be misleading because it allows too much fossil fuel to be used. In theory, 100% RPS could be achieved when only 79% of the electricity is renewable and 21% is still fossil fuel.

A switch to net electricity generation, rather than sales, would be a much more accurate representation, transitioning Hawaii more quickly toward its zero emissions goal.

**SB-3057-SD-2**

Submitted on: 3/16/2022 1:56:38 PM

Testimony for EEP on 3/17/2022 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Diane Ware	Individual	Support	Written Testimony Only

Comments:

Dear Chair and Committee Members,

-SB3057 SD2 is needed so that the renewable portfolio standard (RPS) more accurately reflects the percentage of renewable energy penetration in the State, ensuring alignment with the intent of the renewable portfolio standards goals.

This bill provides a simple, yet necessary correction to how the RPS is calculated by changing reference to energy “sales” to energy “generation”, helping to correct the overestimation of renewable energy produced in the state, and also accounting for energy losses that occur from energy transmission. It is important that this calculation is corrected to ensure that the intended outcome is achieved.

Furthermore I recommend an amendment that the renewable energy target for 2030 be increased from the current 40% to 80% of generation. Accelerating our pathway to transition to 100% renewable energy is not only critically necessary, but doable, and with the added benefit that it will save us money.

Respectfully,

Diane Ware, 997815 Kapoha Pl, Volcano Hi 96785