



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 Finance
Friday, February 21, 2020
1:30 p.m.
State Capitol, Conference Room 308**

**On the following measure:
H.B. 1864, H.D. 2, RELATING TO RENEWABLE ENERGY**

Chair Luke and Members of the Committee:

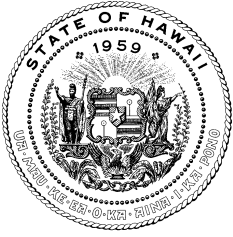
My name is Dean Nishina, and I am the Executive Director of the Department of Commerce and Consumer Affairs' (Department) Division of Consumer Advocacy. The Department supports this bill.

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.

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, 2020. 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 allow for more than 100% of generation from renewable energy.

H.D. 2 no longer modifies the interim 2030 and 2040 goals by increasing the targets. If the RPS calculation is modified, however, the corrected calculation will automatically require more grid-connected renewable energy than is currently required. In addition, pursuant to HRS section 269-95, the Public Utilities Commission (Commission) is already tasked to evaluate the RPS every five years to determine whether, using the best information available at the time, the RPS can be cost-effectively achieved. The Commission can also modify the goals as appropriate. Given the uncertainty of various factors, such as future technology and its costs, land availability, and grid security and resiliency concerns, it may be prudent to rely upon the results of this recurring study to determine future modifications to RPS interim goals.

Thank you for the opportunity to testify on this bill.



HAWAII STATE ENERGY OFFICE STATE OF HAWAII

235 South Beretania Street, 5TH Floor, Honolulu, HI 96813 | energy.hawaii.gov

DAVID Y. IGE
GOVERNOR

SCOTT J. GLENN
CHIEF ENERGY OFFICER

(808) 587-3807

Testimony of
SCOTT J. GLENN, Chief Energy Officer

before the
HOUSE COMMITTEE ON FINANCE
Friday, February 21, 2020
1:30 PM
State Capitol, Conference Room 308

In SUPPORT of
HB 1864, HD2
RELATING TO RENEWABLE ENERGY.

Chair Luke, Vice Chair Cullen, and Members of the Committee, the Hawaii State Energy Office (HSEO) supports HB 1864, HD2, which proposes to revise the method of calculating the renewable energy percentage, so that generation rather than sales is in the denominator of the calculation, thus increasing the required amount of renewable energy on the system by an amount equivalent to the renewable energy produced by utility customers while also better aligning the measurement with our goal of using 100% renewable generation.

Importantly, the bill allows the law's existing provisions for penalties, incentives, and necessary adjustment by the Public Utilities Commission to remain in place.

HSEO agrees that there are uncertainties regarding cost, technology, and specific events or circumstances that could slow – or speed up – achieving the objective. But uncertainty should not hold us back from efforts to achieve the transition to renewable energy, as stated in the Hawaii Revised Statutes, Section 225P, “as quickly as practicable.”

The HSEO's comments are guided by its mission to promote energy efficiency, renewable energy, energy resiliency, and clean transportation to help achieve a decarbonized economy.

Thank you for the opportunity to testify.

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

TO THE
HOUSE COMMITTEE ON
FINANCE

February 21, 2020
1:30 p.m.

Chair Luke and Members of the Committee:

MEASURE: H.B. No. 1864 HD2

TITLE: RELATING TO RENEWABLE ENERGY.

DESCRIPTION: Amends the definition of renewable portfolio standard to be a percentage of electrical energy generation, rather than sales. Effective 7/1/2050.

POSITION:

The Public Utilities Commission offers the following comments for consideration.

COMMENTS:

The Commission appreciates the intent of this measure to calculate RPS achievement based on electricity generation, rather than utility sales, which will present a more accurate picture of how much of the state's electricity is produced from renewable energy sources.

In accordance with Chapter 269-95, Hawaii Revised Statutes, the Commission submitted a *Report to the 2019 Legislature on Hawaii's Renewable Portfolio Standards* in December 2018 ("RPS Report"). The RPS Report demonstrates that based on currently known renewable projects and projects anticipated from the HECO Companies' recently completed Phase 1 renewable energy competitive solicitation, 47% of HECO Companies' sales could come from renewable sources in 2030.

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. Hawaiian Electric currently has a major procurement solicitation underway and multiple customer programs that will help achieve these goals if the Legislature amends the definition as proposed.

Thank you for the opportunity to testify on this measure.



Chamber of Commerce HAWAII

The Voice of Business

**Testimony to the House Committee on Finance
Friday, February 21, 2020 at 1:30 P.M.
Conference Room 308, State Capitol**

RE: HB 1864 HD2, RELATING TO RENEWABLE ENERGY

Chair Luke, Vice Chair Cullen, and Members of the Committee:

The Chamber of Commerce Hawaii ("The Chamber") **is opposed to** HB 1864 HD2, which amends the definition of the renewable portfolio standard (RPS) to be a percentage of electrical energy generation, rather than sales.

The Chamber is Hawaii's leading statewide business advocacy organization, representing about 2,000+ businesses. Approximately 80% of our members are small businesses with less than 20 employees. As the "Voice of Business" in Hawaii, the organization works on behalf of members and the entire business community to improve the state's economic climate and to foster positive action on issues of common concern.

The Chamber appreciates the benefits of a more sustainable future; however, we see the potential for unintended consequences with the language contained in this legislation. The bill introduces a strict regulation of private industry in order to comply with another government mandate to the existing RPS. We support the efforts to promote renewable energy, but the issue should be examined more thoroughly and holistically. For example, the study proposed by SB 2547 would allow for this further examination by requiring the Hawaii Natural Energy Institute to conduct a feasibility study on the State's ability to achieve its renewable energy goals by 2045.

Thank you for this opportunity to share our concerns about HB 1864 HD2.



**Hawaiian
Electric**

**TESTIMONY BEFORE HOUSE COMMITTEE ON
FINANCE**

H.B. 1864, HD2

Relating to Renewable Energy

Friday, February 21, 2020
1:30 p.m., Agenda Item #13
State Capitol, Conference Room 308

Chris Lau
Manager, Corporate Energy Planning
Hawaiian Electric Company, Inc.

Dear Chair Luke, Vice Chair Cullen, and Members of the Committee,

My name is Chris Lau and I am testifying on behalf of Hawaiian Electric Company, Inc. **in opposition to H.B. 1864, HD2**, Relating to Renewable Energy.

Hawaiian Electric does not object to the change in RPS definition from a percentage of sales to a percentage of generation. This appropriately removes the double counting of customer-owned renewable generation in the RPS calculation. However, there are concerns that the impact of fossil-fueled, customer-owned generation on Hawaiian Electric's RPS is not addressed. The change in definition can unfairly penalize Hawaiian Electric if customers choose to generate their electricity using fossil fuels. It should be noted that by addressing the double counting of customer-sited renewable generation, the change in the definition will also increase the renewable generation required to meet the same RPS percentage. Based on Hawaiian Electric's most recent long-term planning filings, our RPS achievement could be reduced by as much as 9 to 14 percentage points over the near term due to the change in RPS definition.

Although Hawaiian Electric is moving aggressively to push our RPS performance beyond what is required in the current statute, we see growing issues concerning alignment of key energy, land use, and other policies, especially as communities have voiced concerns about siting of certain renewable energy projects. Issues concerning land availability, technical siting, integration costs, and community acceptance will become more frequent as more projects are developed to achieve higher levels of RPS. A study such as the one proposed by S.B. 2547, SD1 may be required to examine these issues holistically and address how best to achieve the State's goal of 100% renewable energy. In order to achieve this goal, legislative policies must all be aligned in the same direction and the entire state of Hawaii, including policy makers, agencies, the judiciary, utilities, landowners, and communities, must all work together.

Thank you for this opportunity to testify.



ELEMENTAL EXCELERATOR

Written Statement of Elemental Excelerator before the House Committee on Finance February 21, 2020

In consideration of [HB 1864 HD 2](#) RELATING TO RENEWABLE ENERGY

Aloha Chair Luke, Vice-Chair Cullen, and Members of the House Committee on Finance:

Elemental Excelerator **submits support** for HB 1864 HD 2, which amends the definition of renewable portfolio standard to be a percentage of electrical energy generation, rather than sales.

Elemental Excelerator is a Honolulu-based non-profit organization that supports climate positive startup companies that are helping solve Hawai'i's most urgent environmental problems. Each year, we select 15-20 companies annually that best fit our mission and fund each company up to \$1 million. To date, we have awarded \$36 million to 99 companies resulting in over fifty demonstration projects in Hawai'i & the Asia Pacific.

In April 2018, Elemental Excelerator commissioned a study entitled *Transcending Oil: Hawai'i's Path to a Clean Energy Economy*. The study found that in Hawai'i, transitioning to renewable energy is cheaper than sticking with oil. The faster we go, the cheaper it will be. Our clean energy goals and accelerated targets necessitate leadership across state and local government, private institutions, and community organizations, and requires early and frequent community engagement.

We support HB 1864 HD 2 because the amended definition results in two benefits:

- 1. It reflects the intent of Act 97**, section 969-92 of Hawai'i Revised Statutes, which aims for the renewable portfolio standard to result in 100% renewable energy generation by 2045.¹
- 2. This calculation removes confusion and increases public confidence** to achieve the State of Hawai'i's RPS goals. If you calculate the renewable portfolio standard by the percentage of electrical energy sales that is represented by renewable electrical energy, the RPS could equal 100 percent while the electric grid continues to be heavily reliant on fossil fuels.

Mahalo for the opportunity to provide testimony on this legislation.

Sincerely,

Aki Marceau
Managing Director, Policy & Community

¹ Act 97, section 969-92 of Hawai'i Revised Statutes



Email: communications@ulupono.com

HOUSE COMMITTEE ON FINANCE
Friday, February 21, 2020 — 1:30 p.m. — Room 308

Ulupono Initiative Supports HB 1864 HD 2, Relating to Renewable Energy.

Dear Chair Luke and Members of the Committee:

My name is Amy Hennessey, and I am the Senior Vice President of Communications & External Affairs at Ulupono Initiative. We are a Hawai'i-based impact investment firm that strives to improve our community's quality of life by creating more locally produced food; increasing affordable clean renewable energy and transportation options; and better managing waste and fresh water resources.

Ulupono supports HB 1864 HD 2, which amends the definition of “renewable portfolio standard” to more accurately reflect the percentage of renewable energy use in the State, because it aligns with our goal of increasing the production of clean, renewable energy in Hawai'i.

Under the current definition, the double counting of renewable distributed energy resources by using “sales” instead of “generation” in the denominator results in the RPS that overstates our actual progress. For the 2020 goal of 30 percent, the actual renewable generation as a percentage of total generation is estimated at approximately 25 percent. Similarly, for the 2030 RPS goal of 40 percent, the actual renewable generation is estimated at 28 percent.

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,

Amy Hennessey, APR
Senior Vice President, Communications & External Affairs

Investing in a Sustainable Hawai'i



183 Pinana St., Kailua, HI 96734 • 808-262-1285 • info@350Hawaii.org

To: The House Committee on Finance
From: Brodie Lockard, Founder, 350Hawaii.org
Date: Friday, February 21, 2020, 1:30 pm

In strong support of HB 1864 HD2

Dear Chair Luke, and members:

350Hawaii.org's 6,000 members strongly support HB 1864 HD2.

State law now figures Hawaii's renewable portfolio standard (RPS) by dividing electrical energy sales by total electrical sales, rather than dividing renewable electrical energy generation by total electrical energy generation. This method can give double credit to utilities for some distributed energy sources, like rooftop photovoltaic systems. It can make the RPS look larger than it actually is.

The current method could even allow electricity from coal and incorrectly calculate an RPS of over 100%. HECO, Life of the Land, and the Deputy Attorney General have all verified this.

The problem is that an artificially inflated RPS can contribute to a sense that our work on the Climate Crisis is sufficient. It is far from sufficient.

This bill calculates the RPS correctly.

Five years ago, Hawaii law mandated 100% "clean energy" by 2045. It's now abundantly clear that 2045 is far, far too late to address the climate chaos that gets worse every day.

Unprecedented wildfires, floods, hurricanes, heat, rain bombs and other monthly catastrophes make it clear that every level of government, everywhere, needs to act like the climate is an emergency. Because it is. And we have a decade before it's too late.

Last year, for example, towns and cities in Hawaii set or tied 270 record hot days. 270 in one year.

We can still avoid some of the Climate Crisis's most cataclysmic effects. But only if we act immediately, and with enormous resolve.

The revised RPS percentages and dates in HB 1864 need to be far more aggressive, but they are a step.

HB 1864 raises the current 40% for 2030 to 65%, and the current 70% in 2040 to 85%.

Pass this. Watch the reports and disasters get worse. Then next year, pass something stronger. That will leave us eight years to take real action.

Brodie Lockard
Founder, 350Hawaii.org

HB-1864-HD-2

Submitted on: 2/19/2020 8:46:52 PM

Testimony for FIN on 2/21/2020 1:30:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Climate Protector	Climate Protectors Coalition	Support	No

Comments:

NOTICE OF HEARING

DATE: Friday, February 21, 2020

TIME: 1:30 PM.

Conference Room 308

State Capitol

PLACE:

415 South Beretania Street

Aloha Chair Luke, Vice Chair Cullen and members of the Committee on Finance.

The Climate Protectors Coalition strongly supports HB 1864 HD2!

We are a new group inspired by the Mauna Kea Protectors but focused on reversing the climate crisis. As a tropical island State, Hawaii will be among the first places harmed by the global climate crisis, with more intense storms, loss of protective coral reefs, and rising sea levels. We must do all we can to reduce our carbon footprint and become at least carbon neutral as soon as possible.

The renewable portfolio standard needs to be based on generation rather than sales, as set forth in this bill. Please pass this bill. Mahalo!

HB-1864-HD-2

Submitted on: 2/20/2020 1:04:36 AM

Testimony for FIN on 2/21/2020 1:30:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
tlaloc tokuda	Individual	Support	No

Comments:

To: The House Committee on Finance

From: **Tlaloc Tokuda**

Date: Friday, February 21, 2020, 1:30 pm

In strong support of HB 1864 HD2

Dear Chair Luke, and members:

As one of 350Hawaii.org's 6,000 members, I strongly support HB 1864 HD2.

State law now figures Hawaii's renewable portfolio standard (RPS) by dividing electrical energy sales by total electrical sales, rather than dividing renewable electrical energy generation by total electrical energy generation. This method can give double credit to utilities for some distributed energy sources, like rooftop photovoltaic systems. It can make the RPS look larger than it actually is.

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Last year, for example, towns and cities in Hawaii set or tied 270 record hot days. 270 in one year.

We can still avoid some of the Climate Crisis's most cataclysmic effects. But only if we act immediately, and with enormous resolve.

The revised RPS percentages and dates in HB 1864 need to be far more aggressive, but they are a step.

HB 1864 raises the current 40% for 2030 to 65%, and the current 70% in 2040 to 85%.

Pass this. Watch the reports and disasters get worse. Then next year, pass something stronger. That will leave us eight years to take real action.

Mahalo

Tlaloc TOkuda

Kailua Kona, HI 96740

HB-1864-HD-2

Submitted on: 2/20/2020 4:13:20 AM

Testimony for FIN on 2/21/2020 1:30:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Nanea Lo	Individual	Support	No

Comments:

Dear Chair Luke, and members:

As one of 350Hawaii.org's 6,000 members, I strongly support HB 1864 HD2.

State law now figures Hawaii's renewable portfolio standard (RPS) by dividing electrical energy sales by total electrical sales, rather than dividing renewable electrical energy generation by total electrical energy generation. This method can give double credit to utilities for some distributed energy sources, like rooftop photovoltaic systems. It can make the RPS look larger than it actually is.

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Last year, for example, towns and cities in Hawaii set or tied 270 record hot days. 270 in one year.

We can still avoid some of the Climate Crisis's most cataclysmic effects. But only if we act immediately, and with enormous resolve.

The revised RPS percentages and dates in HB 1864 need to be far more aggressive, but they are a step.

HB 1864 raises the current 40% for 2030 to 65%, and the current 70% in 2040 to 85%.

Pass this. Watch the reports and disasters get worse. Then next year, pass something stronger. That will leave us eight years to take real action.

me ke aloha 'Ä• ina,

Nanea Lo

HB-1864-HD-2

Submitted on: 2/20/2020 6:18:21 AM

Testimony for FIN on 2/21/2020 1:30:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Caroline Kunitake	Individual	Support	No

Comments:

Dear Chair Luke and Members of the House Committee on Finance,

As one of 350Hawaii.org's 6,000 members, I strongly support HB 1864 HD2.

State law now figures Hawaii's renewable portfolio standard (RPS) by dividing electrical energy sales by total electrical sales, rather than dividing renewable electrical energy generation by total electrical energy generation. This method can give double credit to utilities for some distributed energy sources, like rooftop photovoltaic systems. It can make the RPS look larger than it actually is.

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The revised RPS percentages and dates in HB 1864 need to be far more aggressive, but they are a step.

HB 1864 raises the current 40% for 2030 to 65%, and the current 70% in 2040 to 85%.

Pass this. Watch the reports and disasters get worse. Then next year, pass something stronger. That will leave us eight years to take real action.

Mahalo,

Caroline Kunitake

HB-1864-HD-2

Submitted on: 2/20/2020 2:55:00 PM

Testimony for FIN on 2/21/2020 1:30:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Dale Jensen	Individual	Support	No

Comments:

Chair Luke, and members:

I strongly support HB 1864 HD2.

State law now figures Hawaii's renewable portfolio standard (RPS) by dividing electrical energy sales by total electrical sales, rather than dividing renewable electrical energy generation by total electrical energy generation. This method can give double credit to utilities for some distributed energy sources, like rooftop photovoltaic systems. It can make the RPS look larger than it actually is.

The current method could even allow electricity from coal and incorrectly calculate an RPS of over 100%. HECO, Life of the Land, and the Deputy Attorney General have all verified this.

The problem is that an artificially inflated RPS can contribute to a sense that our work on the Climate Crisis is sufficient. It is far from sufficient.

This bill calculates the RPS correctly. Please pass this bill.

Sincerely,

Dale Jensen, Professional Engineer

HB-1864-HD-2

Submitted on: 2/20/2020 3:12:06 PM

Testimony for FIN on 2/21/2020 1:30:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Lynn Aaberg	Individual	Support	Yes

Comments:

Dear Chair Luke and Members,

I STRONGLY support HB 1864. It makes much more sense to calculate RPS by energy produced rather than sales. Sales data can be very misleading, and can suggest that the renewable energy is higher than it actually is. This will keep up from reaching our emissions goals, and we will have not done our part for the people of Hawai'i now or in the future.

Thank you for showing your commitment to making a healthier world for our keiki.

Mahalo,

Lynn Aaberg

HB-1864-HD-2

Submitted on: 2/20/2020 3:26:40 PM

Testimony for FIN on 2/21/2020 1:30:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Janet Pappas	Individual	Support	No

Comments:

Dear Chair Luke and FIN committee members,

The State of Hawaii is using an incorrect algorithm to assess our RPS (renewable energy portfolio standard). With our current method, in most cases, our RPS would be calculated as higher than it actually is. We need to calculate our RPS based on renewable energy production rather than on energy sales. I strongly support Bill HB1864 HD2 so that we know exactly where we stand in reaching our goal of 100% renewable energy. Let's not fool ourselves! Pass HB1864 HD2.

Thank you for the opportunity to testify.

Sincerely,

Jan Pappas

Aiea, Hawaii



LATE

HOUSE COMMITTEE ON FINANCE

February 21, 2020, 1:30 P.M.

Room 308

(Testimony is 2 pages long)

TESTIMONY IN SUPPORT OF HB 1864 HD2

Aloha Chair Luke, Vice Chair Cullen, and Committee members:

Blue Planet Foundation **strongly supports** HB 1864 HD2, which makes an important amendment to Hawai'i's historic 100% renewable energy standard. This bill **ensures "100%" means "100%"** by making a needed correction to the state's renewable portfolio standard (RPS) calculation. This is a critical measure for ensuring **transparency, consistency, fairness, and consumer confidence** in Hawai'i's 100% renewable energy target.

THE SUCCESS AND IMPORTANCE OF THE RPS LAW

Hawai'i's renewable portfolio standard (RPS) law has been a resounding success. In 2015, the legislature set a vision for Hawai'i's energy security, economic viability, and environmental protection by setting a target of 100% renewable energy by 2045. The 100% RPS law has since impacted the energy system exactly as intended, and is driving energy progress in the state. It has strengthened collaborations and fostered alignment on a variety of regulatory issues. With strong Public Utilities Commission guidance and oversight, Hawai'i's 100% RPS is resulting in utility long-range plans that will achieve the mandate ahead of schedule, while simultaneously saving consumers billions of dollars compared to the fossil fuel status quo.

The 100% RPS has set market expectations. Hawai'i is now securing 100% renewable energy projects, able to provide energy at any time of day or night, for a stable cost that is substantially less than the cost of fossil fuel.

In fact, last year, Hawaiian Electric announced contracts for seven large solar and battery projects at record low prices, proving it is possible to generate clean electricity far cheaper than from fossil fuels.¹ The power from these projects will be as low as 8 cents per kilowatt-hour (kWh), with most coming in below 10 cents per kWh. Even the highest-priced project is substantially lower than the 15 cents per kWh average cost to produce electricity from fossil fuels. By comparison, just a few years ago, Hawai'i was considering importing liquefied natural gas (LNG)—another fossil fuel—to generate electricity for 15 to 20 cents per kWh. Moreover, in

¹ See <https://www.hawaiianelectric.com/new-solar-plus-storage-projects-set-low-price-benchmark-for-renewable-energy-in-hawaii>

July 2019, Hawaiian Electric proposed a new solicitation for nearly 900 megawatts of renewable electricity—likely the largest request for renewables from a utility in the United States.

100% MEANS 100%

This bill ensures “100%” means “100%” by making a needed correction to the RPS calculation. Currently, the state’s RPS calculation can provide utilities with “double credit” for some distributed energy sources, such as rooftop solar. This leads to the outcome that the calculated RPS can be greater than the actual percentage of renewable energy on Hawai‘i’s electric grids. House Bill 1864 would revise the RPS accounting calculation to address this potential outcome.

To the credit of the Hawaiian Electric Companies, the most recent electric utility power supply plans appear to target a fully renewable system, even though a loophole in the RPS calculation improperly accounts for distributed energy generation. To illustrate, the forecasted Hawaiian Electric RPS for 2045 is as high as 183% (the maximum for a properly calculated renewable standard should be 100%). In short, this is because distributed energy resources, such as rooftop solar, impact the RPS calculation in a way that essentially provides a double credit.

In 2018, there was a 5.7% discrepancy between the calculated RPS and the actual renewable generation percentage. House Bill 1864 proposes a simple fix for this math problem.

While power supply planning to date has not been hampered by this faulty calculation, it nonetheless **creates uncertainty and lack of clarity for consumers**. This is a long-standing problematic feature of Hawai‘i’s energy targets. As an example, the circa-2008 clean energy initiative goal of 70% renewable energy was actually a 40% renewable energy goal, with a supporting energy efficiency goal of 30%. Consumers were endlessly confused by the reference to “70%.”

Fixing the RPS calculation is intended to avoid repeating that mistake. **100% renewable energy should mean 100% renewable energy.**

CONCLUSION

Blue Planet Foundation strongly supports HB 1864 to help provide clarity for the energy sector. This is an important measure for ensuring transparency, consistency, fairness, and consumer confidence in Hawai‘i’s 100% renewable energy target.

We look forward to working with the legislature on this key policy. We respectfully request that the Committee forward HB 1864 HD2, amended to take effect upon approval.

Thank you for the opportunity to testify.

LATE

HB-1864-HD-2

Submitted on: 2/20/2020 10:03:46 PM

Testimony for FIN on 2/21/2020 1:30:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Audrey Enseki-Tom	Individual	Support	No

Comments:

Please support HB1864 HD2.

LATE

HB-1864-HD-2

Submitted on: 2/21/2020 6:22:33 AM

Testimony for FIN on 2/21/2020 1:30:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Michele Nihipali	Individual	Support	No

Comments:

To: The House Committee on Finance

From: **Michele Nihipali**

Date: Friday, February 21, 2020, 1:30 pm

In strong support of HB 1864 HD2

Dear Chair Luke, and members:

As one of 350Hawaii.org's 6,000 members, I strongly support HB 1864 HD2.

State law now figures Hawaii's renewable portfolio standard (RPS) by dividing electrical energy sales by total electrical sales, rather than dividing renewable electrical energy generation by total electrical energy generation. This method can give double credit to utilities for some distributed energy sources, like rooftop photovoltaic systems. It can make the RPS look larger than it actually is.

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HB 1864 raises the current 40% for 2030 to 65%, and the current 70% in 2040 to 85%.

Pass this. Watch the reports and disasters get worse. Then next year, pass something stronger. That will leave us eight years to take real action.

Mahalo,

Michele Nihipali

54-074 A Kam Hwy.

Hauula, Hi 96717