



STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I
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DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS
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JOSH GREEN, M.D.
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA

NADINE Y. ANDO
DIRECTOR | KA LUNA HO'OKELE

DEAN I HAZAMA
DEPUTY DIRECTOR | KA HOPE LUNA HO'OKELE

Testimony of the Department of Commerce and Consumer Affairs

Before the
Senate Committee on Commerce and Consumer Protection
And
Senate Committee on Ways and Means
Tuesday, April 2, 2024
10:00 a.m.
Conference Room 211

On the following measure:
H.B. 1828, H.D. 1, S.D. 1, RELATING TO ENERGY-EFFICIENCY
PORTFOLIO STANDARDS

WRITTEN TESTIMONY ONLY

Chair Keohokalole, Chair Dela Cruz, and Members of the Committees:

My name is Michael Angelo, 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: (1) extend the State's energy-efficiency portfolio standards from 2030 to 2045 and update the standards; and (2) authorize the Public Utilities Commission (Commission) to adjust the 2045 and interim standards.

The Department believes that energy efficiency can and should play an important role in Hawaii's efforts to transition to clean energy and recognizes that energy efficiency is viewed often as the most cost-effective means to contribute to the State's clean energy goals. The cost-effectiveness of energy efficiency measures to reduce emissions was

recently confirmed in a December 2023 study conducted by the Hawaii State Energy Office pursuant to Act 238, Session Laws of Hawaii 2022.¹ Accordingly, the Department supports the intent to modify the energy efficiency portfolio standards and has already engaged in discussions with other stakeholders in the technical advisory group convened to discuss the work done by the Public Benefits Administrator as well as the vendor responsible for fulfilling energy efficiency portfolio standards, Hawaii Energy, regarding possible changes to the portfolio standards. The Department is committed to continuing its work with stakeholders to help coordinate efforts regarding energy efficiency and towards policies and goals that are cost-effective as possible.

The Department views energy efficiency efforts as an important tool for cost-effectively reducing the State's need for generating resources and providing a means for individual customers to lower their energy bills. The Department believes that this bill solidifies Hawaii's commitment to energy efficiency by realigning the energy efficiency portfolio standards with the timeline for the State's renewable portfolio standards and allowing the Commission set interim standards to maximize cost-effective energy-efficiency programs and technologies to meet the State's clean energy goals.

Thank you for the opportunity to testify on this bill.

¹ Hawaii Pathways to Decarbonization (December 2023) at page 4.



**Hawaiian
Electric**

**TESTIMONY BEFORE THE SENATE COMMITTEES ON
WAYS & MEANS
AND
COMMERCE & CONSUMER PROTECTION**

**HB 1828, HD1, SD1
Relating to Energy-Efficiency Portfolio Standards**

Tuesday, April 2, 2024
10:00 AM
State Capitol, Conference Room 211

Ka'iulani Shinsato
Director, Customer Energy Resources Programs
Hawaiian Electric

Dear Chair Dela Cruz, Chair Keohokalole, Vice Chair Moriwaki, Vice Chair Fukunaga,
and Members of the Committees,

My name is Ka'iulani Shinsato, and I am submitting written testimony on behalf of
Hawaiian Electric in **support** of HB 1828, HD1, SD1, Relating to Energy-Efficiency
Portfolio Standards.

HB 1828, HD1, SD1 extends the State's Energy-Efficiency Portfolio Standards
("EEPS") from 2030 to 2045, and authorizes the Public Utilities Commission ("PUC") to
establish interim goals. Hawaiian Electric supports this measure because widespread
adoption of energy conservation and energy efficiency measures will be required to
meet the State's 2030 and 2045 decarbonization goals. Extending the target date of the
EEPS to 2045 would ensure continued focus on energy efficiency as a critical resource
to meet our clean energy goals, and align with the 2045 target for the State's
decarbonization and Renewable Portfolio Standards goals.

Hawaiian Electric is part of the PUC's Technical Working Group of energy
stakeholders that review and assess the State's progress towards meeting the EEPS.

Hawaiian Electric looks forward to continued collaboration with the PUC, the State's third-party Public Benefits Fee Administrator, Hawaii Energy, and other energy stakeholders to ensure continued progress towards achievement of the EEPS.

Thank you for this opportunity to provide testimony in support of HB 1828, HD1, SD1.

**Building Decarbonization Task Force
Hawai'i Environmental Change Agents**

HawaiiChangeAgents@gmail.com
hawaiichangeagents.org

March 28, 2024

SUPPORT FOR HB1828 HD1 SD1 – State Building Codes

Aloha Chairs Keohokalole and Dela Cruz, Vice Chairs Fukunaga and Moriwaki, and Committee Members:

The Building Decarbonization Task Force of the Hawai'i Environmental Change Agents supports HB1828 HD1 SD1, which “Extends the State's energy-efficiency portfolio standards from 2030 to 2045 and updates the standards. Authorizes the public utilities commission to adjust the 2045 and interim standards.”

Hawai'i Environmental Change Agents (HECA) consists of ten task forces; one of which is the Building Decarbonization Task Force. This task force supports **HB1828 HD1 SD1** for the following reasons:

- As Hawai'i progresses toward achieving its 100% renewable energy and decarbonization goals, energy efficiency remains the quickest, cheapest, and cleanest way to reduce emissions from the electricity sector, while also providing financial benefits to Hawai'i residents and businesses. The HSEO's December 2023 *Hawaii Pathways to Decarbonization* study found energy efficiency measures to be cost-effective.
- As the State moves to electrify transportation, energy efficiency efforts are an important tool for cost-effectively reducing the State's need for additional generating resources to meet this growing demand.
- The recent Market Potential Study (2020) indicates that Hawaii is on track to meet and exceed the established 2030 target of 4,300 GWh of energy savings (Applied Energy Group (2020). *State of Hawai'i Market Potential Study*. <https://www.hawaiieeps.org/8-5-2020-market-potential-study-re>). Extending the target date to 2045 would ensure continued impact of energy efficiency programming benefits, as well as aligning with our state's Renewable Portfolio Standard target date.

Thank you for this opportunity to testify.

Please support HB1828 HD1 SD1.

Respectfully,
Building Decarbonization Task Force of HECA (by Paul Bernstein)

HB-1828-SD-1

Submitted on: 3/29/2024 3:41:13 PM

Testimony for CPN on 4/2/2024 10:45:00 AM

Submitted By	Organization	Testifier Position	Testify
Keala Dickhens	Testifying for Blue Planet Foundation	Support	Written Testimony Only

Comments:

Aloha Chair Dela Cruz, Chair Keohokalole, Vice Chair Moriwaki, Vice Chair Fukunaga, and members of the Committees,

I am testifying in support of HB 1828 HD1 SD1, which extends the state’s energy efficiency portfolio standards beyond 2030 to 2045. Energy efficiency is the quickest, cheapest, and cleanest way to reduce emissions from the electricity sector, while also providing financial benefits to Hawai‘i residents and businesses.

In 2009, Hawai‘i established a long-term goal known as the “Energy Efficiency Portfolio Standards” (or EEPS) to reduce statewide electricity use by 4,300 gigawatt-hours by 2030. Since then, Hawai‘i has made impressive progress towards clean energy and established a new mandate to achieve 100% “Renewable Portfolio Standards” by 2045, but we have yet to extend the EEPS goal beyond 2030.

I strongly support HB 1828 HD1 SD1 to expand the energy efficiency portfolio standards from a goal of 4,300 gigawatt-hours of electricity savings by 2030 to 6,000 gigawatt-hours of electricity savings by 2045. This is an important step to align state planning across the energy sector and ensure energy efficiency is factored into Hawai‘i’s clean energy future.

Thank you for the opportunity to submit testimony in support.

Keala Dickhens

Honolulu, HI 96813

Citizens' Climate Lobby Hawaii
hi.ccl.lobby@gmail.com
cclhawaii.org



April 2, 2024

SUPPORT FOR HB1828 HD1 SD1– Energy-efficiency Portfolio Standards; Extension; Public Utilities Commission

Dear Chairs Dela Cruz and Keohokalole, Vice Chairs Moriwaki and Fukunaga, and members of the committees.

Citizens' Climate Lobby (CCL) Hawaii supports HB1828 HD1, which Extends the State's energy-efficiency portfolio standards from 2030 to 2045 and updates the standards. Authorizes the public utilities commission to adjust the 2045 and interim standards

CCL Hawaii comprises over 1000 members across Hawaii. We advocate for effective, efficient, and fair climate legislation. We support HB1828 HD1.

This bill further enables Hawaii's commitment to energy efficiency by realigning the energy efficiency portfolio standards with the timeline for the State's renewable portfolio standards and allowing the Commission set interim standards to maximize cost-effective energy-efficiency programs and technologies to meet the State's clean energy goals. Energy efficiency efforts are an important tool for cost-effectively reducing the State's energy needs.

Additional considerations in support of this bill:

- The cost-effectiveness of energy efficiency measures to reduce emissions was recently confirmed in a December 2023 study conducted by the Hawaii State Energy Office pursuant to Act 238, Session Laws of Hawaii 2022. (Reference: Hawaii Pathways to Decarbonization (December 2023) at page 4.)
- As Hawai'i progresses toward achieving its 100% renewable energy and decarbonization goals, energy efficiency remains the quickest, cheapest, and cleanest way to reduce emissions from the electricity sector, while also providing financial benefits to Hawai'i residents and businesses.
- There is consensus among the Technical Working Group and the Decarbonization Study that "energy efficiency and conservation are the single most important and most cost-

effective measure to meaningfully reduce electricity demand, thus negating the need to develop more electricity generation.

- The recent Market Potential Study (2020)¹ indicates that Hawaii is on track to meet and exceed the established 2030 target of 4,300 GWh of energy savings. (Reference: Applied Energy Group (2020). State of Hawaii Market Potential Study. <https://www.hawaiieeps.org/8-5-2020-market-potential-study-re>). Extending the target date to 2045 would ensure continued impact of energy efficiency programming benefits, as well as aligning with our state's Renewable Portfolio Standard target date.

Please support HB1828 HD1 SD1.

Thank you for this opportunity to testify.

Respectfully,
CCL Hawai`i

Citizens' Climate Lobby (CCL) is a nonprofit, nonpartisan, grassroots advocacy organization focused on national policies to address climate change solutions. CCL Hawaii's 1000+ members are part of a 180,000+ global organization. For more information, visit citizensclimatelobby.org.



**Senate Committee on Commerce and Consumer Protection &
Senate Committee on Ways and Means**

Hawai'i Alliance for Progressive Action (HAPA) Supports: HB1828 HD1 SD1

Tuesday, April 2nd, 2024 10:45 a.m. Conference Room 211

Aloha Chair Dela Cruz, Chair Keohokalole, Vice Chair Moriwaki, Vice Chair Fukunaga, and members of the Committees,

I am writing to offer testimony in strong support of HB 1828 HD1 SD1. As a member of the Hawai'i Alliance for Progressive Action, we firmly believe that this bill represents a crucial step forward in advancing Hawaii's clean energy goals and ensuring a sustainable future for us here in Hawai'i.

HB 1828 HD1 SD1 seeks to extend the state's energy efficiency portfolio standards beyond 2030 to 2045. This extension is vital as Hawai'i continues its journey towards achieving 100% renewable energy and decarbonization objectives. Energy efficiency stands as a linchpin in this endeavor, offering the most expedient, cost-effective, and environmentally sound means of reducing emissions from the electricity sector. Moreover, it brings tangible financial benefits to both residents and businesses across the islands.

The Energy Efficiency Portfolio Standards (EEPS) were established in 2009 with the aim of reducing statewide electricity consumption by 4,300 gigawatt-hours by 2030. While commendable progress has been made since then, including the adoption of the ambitious goal of achieving 100% Renewable Portfolio Standards by 2045, it is imperative that we extend the EEPS goal beyond 2030 to maintain momentum and drive progress in energy efficiency.

HB 1828 HD1 SD1 proposes an expansion of the energy efficiency portfolio standards, setting a new target of 6,000 gigawatt-hours of electricity savings by 2045. This measure is not only commendable but also essential in aligning state planning across the energy sector and integrating energy efficiency into the fabric of Hawai'i's clean energy future.

In conclusion, I urge you to support HB 1828 HD1 SD1 for its forward-thinking approach and its commitment to advancing energy efficiency in our state. By doing so, we can make significant strides towards a more sustainable, resilient, and equitable energy future for Hawai'i.

Mahalo for considering my testimony in support of this important bill.

Respectfully,

A handwritten signature in black ink, appearing to read "Anne Frederick". The signature is fluid and cursive, with a long horizontal stroke at the end.

Anne Frederick
Executive Director



Email: communications@ulupono.com

SENATE COMMITTEES ON COMMERCE & CONSUMER PROTECTION AND WAYS & MEANS
Tuesday, April 2, 2024 — 10:00 a.m.

Ulupono Initiative supports HB 1828 HD1 SD1, Relating to Energy-Efficiency Portfolio Standards.

Dear Chair Keohokalole, Chair Dela Cruz, and Members of the Committees:

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, clean transportation choices, and better management of freshwater resources.

Ulupono supports HB 1828 HD1 SD1, which extends the State's energy-efficiency portfolio standards from 2030 to 2045 and updates the standards. This bill also authorizes the Public Utilities Commission to adjust the 2045 and interim standards.

Ulupono is supportive of energy efficiency measures to lower electricity consumption across the state. Notably, the Hawai'i State Energy Office recently published its Hawai'i Pathways to Decarbonization Report, which identifies, among other things, the crucial role that energy efficiency will play as one of the most important actions in the reduction of energy demand, even *before* implementing other measures such as developing new renewable generation, reducing vehicle miles traveled, converting to electric transport, and deploying carbon capture technologies.¹ As Hawai'i's electricity costs are expected to rise in the near-term², Ulupono sees the value of measuring and tracking energy usage as a first step to reduce energy consumption, lower overall electricity costs, and eliminate energy "waste." Hawai'i's energy issues remain increasingly complex and challenging. We appreciate the State's efforts to look at policies that reduce the overall demand, which in return will result in lower utility bills, thus mitigating the high cost of living and doing business in Hawai'i.

Thank you for the opportunity to testify.

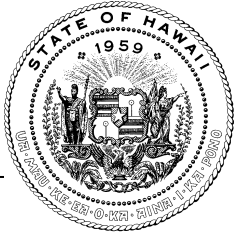
Respectfully,

Micah Munekata
Director of Government Affairs

¹Hawai'i Pathways to Decarbonization Act 238, Session Laws of Hawai'i 2022, Report to the 2024 Hawai'i State Legislature December 2023. <https://energy.hawaii.gov/wp-content/uploads/2024/01/Act-238-HSEO-Decarbonization-Report.pdf>

² See Hawaiian Electric Newsroom, "Driven up by Russian invasion, oil prices will push electric bills higher in coming months," March 10, 2022. <https://www.hawaiianelectric.com/driven-up-by-russian-invasion-oil-prices-will-push-electric-bills-higher-in-coming-months>

Investing in a Sustainable Hawai'i



HAWAII STATE ENERGY OFFICE STATE OF HAWAII

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SYLVIA LUKE
LT. GOVERNOR

MARK B. GLICK
CHIEF ENERGY OFFICER

(808) 451-6648
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Testimony of
MARK B. GLICK, Chief Energy Officer

before the
**SENATE COMMITTEES ON COMMERCE AND CONSUMER PROTECTION
AND
WAYS AND MEANS**

Tuesday, April 2, 2024
10:45 AM
State Capitol, Conference Room 211 and Videoconference

In Support of
HB 1828, HD1, SD1

RELATING TO ENERGY-EFFICIENCY PORTFOLIO STANDARDS.

Chairs Keohokalole and Dela Cruz, Vice Chairs Fukunaga and Moriwaki, and members of the Committees, the Hawai'i State Energy Office (HSEO) supports HB 1828, HD1, SD1, which extends the State's energy-efficiency portfolio standards (EEPS) from 2030 to 2045 and authorizes the Public Utilities Commission (PUC) to establish interim goals by rule or order to maximize cost-effective energy-efficiency programs and technologies.

HSEO serves on the PUC's Technical Working Group of energy stakeholders that review and assess the State's progress to meeting the State's energy efficiency goals. HSEO also prepared and submitted the [Hawai'i Pathways to Decarbonization Report](#)¹ to the 2024 Hawai'i State Legislature that candidly reviews the significant challenges to meeting Hawai'i's decarbonization goals and the difficult, yet achievable, pathways to get there. There is consensus among the Technical Working Group and the Decarbonization Study that "energy efficiency and conservation are the single most

¹ Hawai'i State Energy Office. *Hawai'i Pathways to Decarbonization*. 2023. https://energy.hawaii.gov/wp-content/uploads/2024/01/Act-238_HSEO_Decarbonization_Report.pdf

important and most cost-effective measure to meaningfully reduce electricity demand, thus negating the need to develop more electricity generation.”

Given the critical importance of energy efficiency in Hawai'i's energy transition, extending the EEPS end goal date of 2045 to be consistent with the renewable portfolio standard and decarbonization policies are warranted, reasonable, and advisable.

Thank you for the opportunity to testify.

Citizens' Climate Lobby Hawai'i
hi.ccl.lobby@gmail.com
cclhawaii.org



March 13, 2024

SUPPORT FOR HB1828 HD1 SD1 – Relating to Renewable Energy

Aloha Chairs Keohokalole and Dela Cruz and Vice Chairs Fukunaga and Moriwaki and Committee Members,

Citizens Climate Lobby Hawai'i supports HB1828 HD1 SD1, which “Extends the State's energy-efficiency portfolio standards from 2030 to 2045 and updates the standards. Authorizes the public utilities commission to adjust the 2045 and interim standards.”

We support HB1828 HD1 SD1 for the following reasons:

- As Hawai'i progresses toward achieving its 100% renewable energy and decarbonization goals, energy efficiency remains the quickest, cheapest, and cleanest way to reduce emissions from the electricity sector, while also providing financial benefits to Hawai'i residents and businesses. The HSEO's December 2023 Hawaii Pathways to Decarbonization study found energy efficiency measures to be cost-effective.
- As the State moves to electrify transportation, energy efficiency efforts are an important tool for cost-effectively reducing the State's need for additional generating resources to meet this growing demand.
- The recent Market Potential Study (2020) indicates that Hawaii is on track to meet and exceed the established 2030 target of 4,300 GWh of energy savings (Applied Energy Group (2020). State of Hawaii Market Potential Study. <https://www.hawaiieeps.org/8-5-2020-market-potential-study-re>). Extending the target date to 2045 would ensure continued impact of energy efficiency programming benefits, as well as aligning with our state's Renewable Portfolio Standard target date.

Thank you for this opportunity to testify. Please support HB1828 HD1 SD1.

Mahalo,
Virginia Tincher
Citizens Climate Lobby Hawai'i

Citizens' Climate Lobby (CCL) is a nonprofit, nonpartisan, grassroots advocacy organization focused on national policies to address climate change solutions. CCL Hawaii's 1000+ members are part of a 180,000+ global organization. For more information, visit citizensclimatelobby.org.



**SENATE COMMITTEE ON COMMERCE AND CONSUMER PROTECTION
SENATE COMMITTEE ON WAYS AND MEANS**

April 2, 2024, 10:45 AM
Room 211
Decision Making Only

TESTIMONY IN SUPPORT OF HB 1828 HD1 SD1

Aloha Chair Keohokalole, Chair Dela Cruz, and members of the Committees,

Blue Planet Foundation **strongly supports HB 1828 HD1 SD1**, which extends Hawai'i's energy-efficiency portfolio standards (EEPS) from 2030 to 2045 and increases the target of the EEPS from 4,300 to 6,000 gigawatt-hours of electricity savings. This policy will drive down electricity bills for Hawai'i's residents and businesses and cut carbon emissions in an equitable and affordable way. **We also request the CPN and WAM committees pass HB 1828 with a clean effective date, as there is unanimous support on this measure and an eagerness to enact this policy upon approval.**

In December 2023, the Hawai'i State Energy Office released its Statewide Decarbonization Strategy pursuant to Act 238 (2022). The report highlights how Hawai'i can achieve its statewide goals for a 50% reduction in greenhouse gas emissions by 2030 and net-negative emissions by 2045, which would align the state with global targets that scientists say we need to meet in order to avoid the worst impacts of climate change.

The 350-page report laid bare the harsh reality for Hawai'i's transition— more aggressive action must be taken in all economic sectors to meet the state's mandate to cut its carbon emissions to net-zero. Under the current "business-as-usual" scenario, which already assumes we meet our 100% clean energy goals, Hawai'i will fall short and only reach a 54% decline in economy-wide emissions by 2045.¹

Notably, the report reaffirms how critical energy efficiency and energy conservation is to achieve our decarbonization goals. As the executive summary states (on page 4):

¹ "Hawaii Pathways to Decarbonization", *Hawaii State Energy Office*, December 2023 (https://energy.hawaii.gov/wp-content/uploads/2024/01/Act-238_HSEO_Decarbonization_Report.pdf).

“The results of the quantitative analysis in this report indicate and reaffirm that demand or load reductions resulting from **aggressive energy efficiency measures are the most cost-effective measures to reduce emissions**; with the second scenario which focused on demand reduction showing net-savings, compared to the reference scenario. While this may not be the most glamorous path forward, the results are clear – energy efficiency saves people money and provides the foundation for substantial emissions reduction potential.”

In 2009, the legislature codified the goals of the Hawai'i Clean Energy Initiative, which included a goal to reduce electricity use by 4,300 gigawatt-hours by 2030. This goal, known as the Energy Efficiency Portfolio Standards (or EEPS), has helped to maximize cost-effective energy efficiency programs and technologies in the state.

Since 2009, Hawai'i has made impressive progress towards its clean energy goals and established a new mandate to achieve 100% renewable electricity by 2045 (Act 97 of 2015). Although the renewable portfolio standard was updated in 2015, there has not been an extension of the EEPS goal beyond 2030 to align with the 2045 planning target for renewable energy. Extending the EEPS goal beyond 2030 is an important step to ensure energy efficiency is factored into future grid planning efforts. The cheapest and cleanest energy is the energy that we don't use.

As Hawai'i makes progress toward its 100% renewable energy and carbon-negative decarbonization goals, energy efficiency portfolio standards are critical to reducing statewide emissions associated with electricity generation and consumption, while providing financial benefits to Hawai'i residents and businesses during the transition. We strongly support this bill and encourage an extension to our EEPS goal to further our state's climate progress.

Thank you for the opportunity to testify in **strong support of HB 1828**.

JOSH GREEN, M.D.
GOVERNOR

SYLVIA LUKE
LT GOVERNOR



Hawaii Green Infrastructure Authority

An Agency of the State of Hawaii

JAMES KUNANE TOKIOKA
CHAIR

GWEN S YAMAMOTO LAU
EXECUTIVE DIRECTOR

Testimony of
Gwen Yamamoto Lau
Executive Director
Hawai'i Green Infrastructure Authority
before the
SENATE COMMITTEE ON WAYS AND MEANS
and
SENATE COMMITTEE ON COMMERCE AND CONSUMER PROTECTION
Tuesday, April 2, 2024, 10:45 AM
State Capitol, Conference Room 211
in consideration of
House Bill No. 1828, HD1, SD1
RELATING TO ENERGY-EFFICIENCY PORTFOLIO STANDARDS

Chairs Dela Cruz and Keohokalole, Vice Chairs Moriwaki and Fukunaga, and Members of the Committees:

Thank you for the opportunity to testify on HB 1828, HD1, SD1 relating to energy-efficiency portfolio standards. The Hawai'i Green Infrastructure Authority (HGIA) **supports** this bill which extends the state's energy-efficiency portfolio standards from 2030 to 2045 and updates the standards.

Achievement of the state's bold goal of achieving 100% clean energy in the electricity sector by 2045 requires strategic tactics, which includes a portfolio of tools and solutions. Similar to renewable technologies and projects (e.g., solar, wind, geothermal, etc.), the energy efficiency portfolio standard is also a critical tool towards goal achievement, which should be aligned with the 2045 clean energy deadline.

Energy efficiency measures can also reduce energy consumption in a cost-effective manner, resulting in electric utility bill savings.

Thank you for this opportunity to provide comments and testify in support of HB 1828, HD1, SD1.



To: The Senate Committee on Commerce and Consumer Protection (CPN)
and
The Senate Committee on Ways and Means (WAM)
From: Sherry Pollack, 350Hawaii.org
Date: Tuesday, April 2, 2024, 10:45am

In support of HB1828 HD1 SD1

Aloha Chairs Keohokalole and Dela Cruz, Vice Chairs Fukunaga and Moriwaki, and members of the CPN and WAM committees,

I am Co-Founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. 350Hawaii.org **supports HB1828 HD1 SD1** which extends the State's energy efficiency portfolio standards from 2030 to 2045. This measure also authorizes the Public Utilities Commission to establish interim goals, and clarifies procedures.

It is important to extend our energy efficiency goals and ensure that the public utilities commission may continue its work developing and overseeing the State's energy-efficiency portfolio standards beyond 2030. If Hawaii is to achieve our clean energy goals, we must align state planning directed at reducing carbon emissions across the energy sector. This measure would help accomplish this.

Energy efficiency is essential in reducing fossil fuel consumption and greenhouse gas emissions. With the climate crisis we are facing, it is critical that dedicated efforts be made to lower consumption and conserve our precious resources. In addition, reducing energy use saves consumer dollars. Hawaii residents and businesses currently pay the highest electricity rates in the country. Energy efficiency is an important tool that will help reduce electricity use and save millions on customer utility bills.

Simply put, the cleanest, cheapest and safest energy is the energy we don't use.

Mahalo for the opportunity to testify on this measure.

Sherry Pollack
Co-Founder, 350Hawaii.org



Hawaii Solar Energy Association
Serving Hawaii Since 1977

Testimony of The Hawaii Solar Energy Association (HSEA) Regarding HB1828 SD1, Relating to Energy-Efficiency Portfolio Standards, Before the Senate Committees on Commerce and Consumer Protection and Ways and Means

Tuesday, April 2, 2024

Aloha Chairs Keohokalole and Dela Cruz, Vice Chairs Fukunaga and Moriwake, and committee members:

The Hawaii Solar Energy Association (HSEA) **supports HB1828 SD1**, which extends Hawaii's Energy Efficiency Portfolio Standard (EEPS) program in alignment with Hawaii's overall renewable energy goals.

HSEA members include the majority of locally owned and operated solar and renewable energy companies doing business in the state of Hawaii along with leading global cleantech manufacturers and service providers that invest and sell in our market. We employ thousands of residents in diverse green economy jobs and advocate for policies that help Hawaii achieve critical climate and resilience goals by enabling residents and businesses to invest in and benefit from the transition to clean energy.

In addition to solar PV and energy storage, HSEA members manufacture, distribute, and install highly efficient and affordable solar thermal hot water systems and other measures that contribute to Hawaii's energy efficiency programs and goals. Hawaii's EEPS and other energy efficiency programs under the leadership of the Public Utilities Commission and Hawaii Energy have been highly effective in achieving their stated purpose and goals and should be extended to align with Hawaii's overall goals.

Thank you for providing the opportunity to testify in **support of HB1828 SD1**.

Respectfully,

/s/ Rocky Mould

Rocky Mould
Executive Director

To: The Senate Committees on Commerce and
Consumer Protection, and Ways and Means
From: Brodie Lockard
Date: Tuesday 4/2, 2024, 10:45 am

In support of HB1828

Dear Chairs Keohokalole and Dela Cruz and Committee Members—

As Hawai'i progresses toward achieving its 100% renewable energy and decarbonization goals, energy efficiency remains the quickest, cheapest, and cleanest way to reduce emissions from the electricity sector, while also providing financial benefits to Hawai'i residents and businesses.

In 2009, Hawai'i established a long-term goal known as the "Energy Efficiency Portfolio Standards" (or EEPS) to reduce statewide electricity use by 4,300 gigawatt-hours by 2030. Since then, Hawai'i has made impressive progress towards clean energy and established a new mandate to achieve 100% "Renewable Portfolio Standards" by 2045, but we have yet to extend the EEPS goal beyond 2030.

I strongly support HB 1828 to expand the energy efficiency portfolio standards from a goal of 4,300 gigawatt-hours of electricity savings by 2030 to 6,000 gigawatt-hours of electricity savings by 2045. This is an important step to align state planning across the energy sector and ensure energy efficiency is factored into Hawai'i's clean energy future.

Brodie Lockard
Founder, 350Hawaii

HB-1828-SD-1

Submitted on: 3/29/2024 3:58:27 PM

Testimony for CPN on 4/2/2024 10:45:00 AM

Submitted By	Organization	Testifier Position	Testify
Nanea Lo	Individual	Support	Written Testimony Only

Comments:

Hello Chair Dela Cruz, Chair Keohokalole, Vice Chair Moriwaki, Vice Chair Fukunaga, and members of the Committees,

I am testifying in support of HB 1828 HD1 SD1, which extends the state’s energy efficiency portfolio standards beyond 2030 to 2045.

As Hawai‘i progresses toward achieving its 100% renewable energy and decarbonization goals, energy efficiency remains the quickest, cheapest, and cleanest way to reduce emissions from the electricity sector, while also providing financial benefits to Hawai‘i residents and businesses.

In 2009, Hawai‘i established a long-term goal known as the “Energy Efficiency Portfolio Standards” (or EEPS) to reduce statewide electricity use by 4,300 gigawatt-hours by 2030. Since then, Hawai‘i has made impressive progress towards clean energy and established a new mandate to achieve 100% “Renewable Portfolio Standards” by 2045, but we have yet to extend the EEPS goal beyond 2030.

I strongly support HB 1828 HD1 SD1 to expand the energy efficiency portfolio standards from a goal of 4,300 gigawatt-hours of electricity savings by 2030 to 6,000 gigawatt-hours of electricity savings by 2045. This is an important step to align state planning across the energy sector and ensure energy efficiency is factored into Hawai‘i’s clean energy future.

me ke aloha ‘āina,

Nanea Lo, Mō‘ili‘ili, O‘ahu - 96826

HB-1828-SD-1

Submitted on: 3/29/2024 4:56:55 PM

Testimony for CPN on 4/2/2024 10:45:00 AM

Submitted By	Organization	Testifier Position	Testify
Douglas Perrine	Individual	Support	Written Testimony Only

Comments:

Please pass HB1828, which will update Hawaii's energy efficiency portfolio standards, helping Hawaii residents to save on utility bills and helping us to achieve our zero emissions goals to minimize damage from climate chaos and rising sea levels.

HB-1828-SD-1

Submitted on: 3/29/2024 4:59:26 PM

Testimony for CPN on 4/2/2024 10:45:00 AM

Submitted By	Organization	Testifier Position	Testify
Kathleen Sato	Individual	Support	Written Testimony Only

Comments:

Aloha Chair Dela Cruz, Chair Keohokalole, Vice Chair Moriwaki, Vice Chair Fukunaga, and members of the Committees,

I am writing in support of HB 1828 HD1 SD1, which extends the state’s energy efficiency portfolio standards beyond 2030 to 2045.

I feel that Hawaii, as an isolated island state in the middle of the Pacific, would benefit greatly from making energy system as renewable, clean and efficient as possible. We have progressed considerably in the last few years, but we must ensure that progress continues even further.

As Hawai‘i progresses toward achieving its 100% renewable energy and decarbonization goals, energy efficiency remains the quickest, cheapest, and cleanest way to reduce emissions from the electricity sector, while also providing financial benefits to Hawai‘i residents and businesses.

In 2009, Hawai‘i established a long-term goal known as the “Energy Efficiency Portfolio Standards” (or EEPS) to reduce statewide electricity use by 4,300 gigawatt-hours by 2030. Since then, Hawai‘i has made impressive progress towards clean energy and established a new mandate to achieve 100% “Renewable Portfolio Standards” by 2045, but we have yet to extend the EEPS goal beyond 2030.

I strongly support HB 1828 HD1 SD1 to expand the energy efficiency portfolio standards from a goal of 4,300 gigawatt-hours of electricity savings by 2030 to 6,000 gigawatt-hours of electricity savings by 2045. This is an important step to align state planning across the energy sector and ensure energy efficiency is factored into Hawai‘i’s clean energy future.

Thank you for the opportunity to submit testimony in support.

HB-1828-SD-1

Submitted on: 3/29/2024 11:51:49 PM

Testimony for CPN on 4/2/2024 10:45:00 AM

Submitted By	Organization	Testifier Position	Testify
B.A. McClintock	Individual	Support	Written Testimony Only

Comments:

I am testifying in support of HB 1828 HD1 SD1, which extends the state’s energy efficiency portfolio standards beyond 2030 to 2045.

As Hawai‘i progresses toward achieving its 100% renewable energy and decarbonization goals, energy efficiency remains the quickest, cheapest, and cleanest way to reduce emissions from the electricity sector, while also providing financial benefits to Hawai‘i residents and businesses.

In 2009, Hawai‘i established a long-term goal known as the “Energy Efficiency Portfolio Standards” (or EEPS) to reduce statewide electricity use by 4,300 gigawatt-hours by 2030. Since then, Hawai‘i has made impressive progress towards clean energy and established a new mandate to achieve 100% “Renewable Portfolio Standards” by 2045, but we have yet to extend the EEPS goal beyond 2030.

I strongly support HB 1828 HD1 SD1 to expand the energy efficiency portfolio standards from a goal of 4,300 gigawatt-hours of electricity savings by 2030 to 6,000 gigawatt-hours of electricity savings by 2045. This is an important step to align state planning across the energy sector and ensure energy efficiency is factored into Hawai‘i’s clean energy future.

Thank you for the opportunity to submit testimony in support.

HB-1828-SD-1

Submitted on: 3/31/2024 12:08:41 PM

Testimony for CPN on 4/2/2024 10:45:00 AM

Submitted By	Organization	Testifier Position	Testify
Noel Morin	Individual	Support	Written Testimony Only

Comments:

Dear Chairs Dela Cruz and Keohokalole, Vice Chairs Moriwaki and Fukunaga, and Committee members,

I am in full support of HB1828 HD1 SD1, which "Extends the State's energy-efficiency portfolio standards from 2030 to 2045 and updates the standards. Authorizes the Public Utilities Commission to adjust the 2045 and interim standards."

Every effort must be made to increase the efficient use of electricity (and energy in general). This goal allows us to maintain focus on various energy-saving measures throughout the economy, manage the investment required to transition our energy system and reduce the cost of energy for our people and businesses.

Please support HB1828 HD1 SD1.

Sincerely

Noel Morin
Climate, Sustainability, and Resilience Advocate
Hilo, Hawaii

HB-1828-SD-1

Submitted on: 3/31/2024 9:36:15 PM

Testimony for CPN on 4/2/2024 10:45:00 AM

Submitted By	Organization	Testifier Position	Testify
Debbie Millikan	Individual	Support	Written Testimony Only

Comments:

Aloha Chair Dela Cruz, Chair Keohokalole, Vice Chair Moriwaki, Vice Chair Fukunaga, and members of the Committees,

I am testifying in support of HB 1828 HD1 SD1, which extends the state’s energy efficiency portfolio standards beyond 2030 to 2045.

When we talk about achieving our goal of 100% clean electricity, we **MUST** be aggressive with reducing demand and increasing energy efficiency is essential to that plan.

As a mother and educator, I work with children every day. They know and feel greatly impacted by what’s to come. It is our job as adults to take action now so that the worse of climate change can be avoided.

I strongly support HB 1828 HD1 SD1 to expand the energy efficiency portfolio standards from a goal of 4,300 gigawatt-hours of electricity savings by 2030 to 6,000 gigawatt-hours of electricity savings by 2045. This is an important step to align state planning across the energy sector and ensure energy efficiency is factored into Hawai‘i’s clean energy future.

Mahalo for the opportunity to submit testimony in support.

Debbie Millikan

Honolulu, HI 96816

HB-1828-SD-1

Submitted on: 4/1/2024 8:25:22 AM

Testimony for CPN on 4/2/2024 10:45:00 AM

Submitted By	Organization	Testifier Position	Testify
Glen Kagamida	Individual	Support	Written Testimony Only

Comments:

GREAT IDEA! MOVES US IN THE RIGHT DIRECTION. PLEASE ADVANCE THIS.

MAHALO!