

STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I  
OFFICE OF THE DIRECTOR  
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  
House Committee on Consumer Protection & Commerce  
Wednesday, February 28, 2024  
2:00 p.m.  
Conference Room 329**

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

Chair Nakashima and Members of the Committee:

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.<sup>1</sup> Accordingly, the Department

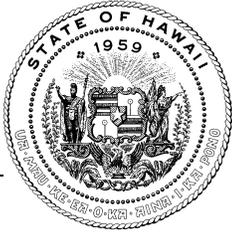
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<sup>1</sup> Hawaii Pathways to Decarbonization (December 2023) at page 4.

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.



# HAWAII STATE ENERGY OFFICE STATE OF HAWAII

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LT. GOVERNOR

MARK B. GLICK  
CHIEF ENERGY OFFICER

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Testimony of  
**MARK B. GLICK, Chief Energy Officer**

before the  
**HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE**

Wednesday, February 28, 2024  
2:00 PM  
State Capitol, Conference Room 329 and Videoconference

In Support of  
**HB 1828, HD1**

## **RELATING TO ENERGY-EFFICIENCY PORTFOLIO STANDARDS.**

Chair Nakashima, Vice Chair Sayama, and members of the Committee, the Hawai'i State Energy Office (HSEO) supports HB 1828, HD1, 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 that State's energy efficiency goals. HSEO also prepared and submitted the Hawai'i Pathways to Decarbonization Report<sup>1</sup> 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 important and most cost-effective measure to meaningfully reduce electricity demand, thus negating the need to develop more electricity generation." The Decarbonization Report has a specific recommendation to update and extend the EEPS:<sup>2</sup>

<sup>1</sup> Hawaii State Energy Office. *Hawai'i Pathways to Decarbonization*. 2023. [https://energy.hawaii.gov/wp-content/uploads/2024/01/Act-238\\_HSEO\\_Decarbonization\\_Report.pdf](https://energy.hawaii.gov/wp-content/uploads/2024/01/Act-238_HSEO_Decarbonization_Report.pdf)

<sup>2</sup> Ibid, page 9.

**Recommendation**

Extend, update, and strengthen supportive policies for energy efficiency, such as the Energy Efficiency Portfolio Standard (EEPS)...

**Rationale**

In both this report and similar national strategies, such as the “The Long-Term Strategy of the United States: Pathways to Net-Zero Greenhouse Gas Emissions by 2050,” near-term action on energy efficiency provides the foundation for cost-effective and on-schedule decarbonization... Achieving this level of energy efficiency will require new policies and programs.

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.

**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  
**HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE**  
Wednesday, February 28, 2024, 2:00 PM  
State Capitol, Conference Room 329  
in consideration of  
**House Bill No. 1828, HD1**  
**RELATING TO ENERGY-EFFICIENCY PORTFOLIO STANDARDS**

Chair Nakashima, Vice Chair Sayama, and Members of the Committee:

Thank you for the opportunity to testify on HB 1828, HD1, 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.

TESTIMONY OF  
LEODOLOFF R. ASUNCION, JR.  
CHAIR, PUBLIC UTILITIES COMMISSION  
STATE OF HAWAII

TO THE  
HOUSE COMMITTEE ON  
CONSUMER PROTECTION AND COMMERCE

Wednesday, February 28, 2024  
2:00 p.m.

Chair Nakashima, Vice Chair Sayama, and Members of the Committee:

**MEASURE:** H.B. 1828 HD1

**TITLE:** RELATING TO ENERGY EFFICIENCY PORTFOLIO STANDARDS

**DESCRIPTION:** 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. Effective 7/1/3000.

**POSITION:** The Public Utilities Commission (“Commission”) supports this measure and offers the following comments for consideration.

**COMMENTS:**

The Commission appreciates the intent of this measure to extend and further develop the energy-efficiency portfolio standard (EEPS) as established in Act 155, Session Laws of Hawaii 2009, and set into law as HRS §269-96. EEPS has been a successful policy for our state, serving as a critical component in support of our state’s clean energy and decarbonization goals. In the thirteen years since establishment, the impact of the EEPS target has generated many successful energy-saving programs for Hawaii’s residents and businesses, including those offered by Hawaii Energy (the energy efficiency implementer for Hawaiian Electric’s customers), the GEMS loan programs, Kauai Island Utility Cooperative’s energy efficiency efforts, and other implementation initiatives throughout the state. The recent Market Potential Study (2020)<sup>1</sup> indicates that Hawaii is on track to

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<sup>1</sup> Applied Energy Group (2020). *State of Hawaii Market Potential Study*. <https://www.hawaiieeps.org/8-5-2020-market-potential-study-rel>

meet and exceed the established 2030 target of 4,300 GWh of energy savings. The next Market Potential Study will occur in 2025-2026 and will provide further data and updated analyses to inform a revised target beyond 2030.

Extending the target date to 2045 would ensure continued impact of energy efficiency programming benefits and would align with our state's Renewable Portfolio Standard target date. The Commission also notes that S.B. 3078 (Administration Bill) proposes the same modifications to the EEPS.

Thank you for the opportunity to testify on this measure.

# OFFICE OF ECONOMIC DEVELOPMENT

NALANI BRUN, DIRECTOR



DEREK S.K. KAWAKAMI, MAYOR  
REIKO MATSUYAMA, MANAGING DIRECTOR

## Testimony of Christina Kaser

Energy Coordinator, Office of Economic Development, County of Kaua'i

Before the

### House Committee on Consumer Protection & Commerce

February 28, 2024; 2:00 p.m.

Conference Room 329 & Via Videoconference

In consideration of

### House Bill 1828 HD1

### Relating to Energy-Efficiency Portfolio Standards

Honorable Chair Nakashima, Vice Chair Sayama, and Members of the Committee:

The County of Kaua'i is in **support** of House Bill 1828 HD1, which extends the State's energy-efficiency portfolio standards from 2030 to 2045 and updates the standards; and which authorizes the public utilities commission to adjust the 2045 and interim standards.

The County of Kaua'i is supportive of energy efficiency measures to both reduce our electricity consumption and allow our residents and businesses to save money on electricity bills. The impact of the existing EEPS target has been evident with KIUC's creation of successful energy-saving programs for our community.

Since 2009, Hawaii has made substantive progress towards its clean energy goals to achieve 100% renewable energy by 2045, with KIUC having nearly reached 70% RPS in 2021. To meet our Statewide goal, it is important not to just transition our energy sources, but to also reduce our pull from the grid and overall usage. Extending the target date of our EEPS to 2045 would ensure continued impact of energy efficiency programming benefits, as well as aligning with our state's Renewable Energy Portfolio Standard target date.

Thank you for the opportunity to testify in **support** of HB1828 HD1.

OFFICE OF CLIMATE CHANGE SUSTAINABILITY AND RESILIENCY

KE KE'ENA LOLI ANIAU MĀLAMA 'ĀINA A ME KE OLA LOA

CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11<sup>th</sup> FLOOR • HONOLULU, HAWAII 96813

PHONE: (808) 768-2277 • EMAIL: [resilientoahu@honolulu.gov](mailto:resilientoahu@honolulu.gov) • INTERNET: [www.resilientoahu.org](http://www.resilientoahu.org)

RICK BLANGIARDI  
MAYOR  
MEIA



MATTHEW GONSER, AICP, CFM  
EXECUTIVE DIRECTOR &  
CHIEF RESILIENCE OFFICER  
PO'O HO'OKŌ & KAHU OLA LOA

BENJAMIN SULLIVAN  
DEPUTY DIRECTOR &  
DEPUTY CHIEF RESILIENCE OFFICER  
HOPE PO'O & HOPE KAHU OLA LOA

WEDNESDAY, FEBRUARY 28, 2024, 2:00 P.M.

STATE OF HAWAII  
HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE

TESTIMONY ON HOUSE BILL 1828, HD1  
RELATING TO ENERGY-EFFICIENCY PORTFOLIO STANDARDS

BY,

MATTHEW GONSER  
EXECUTIVE DIRECTOR AND CHIEF RESILIENCE OFFICER  
OFFICE OF CLIMATE CHANGE, SUSTAINABILITY AND RESILIENCY

Dear Chair Nakashima, Vice Chair Sayama, and Members of the Committee:

The City and County of Honolulu ("City") Office of Climate Change, Sustainability and Resiliency (CCSR) **supports HB1828, HD1**, which extends the state's energy-efficiency portfolio standards from 2030 to 2045.

The City has established a Climate Action Policy to achieve 100 percent renewable energy and net-negative carbon emissions no later than 2045<sup>1</sup>. The City's Climate Action Plan recognizes the importance that energy efficiency plays in our ability to achieve that target, as it remains the most cost-effective way to reduce emissions associated with electricity generation, while also providing financial benefits to residents<sup>2</sup>.

The City continues to advance energy efficiency within our own operations through energy savings performance contracts<sup>3</sup>, as well as drive greater efficiency in the broader built environment via programs such as the Better Buildings Benchmarking

1 Revised Ordinances of Honolulu 2021. § 2-10.12 Climate action:

[https://codelibrary.amlegal.com/codes/honolulu/latest/honolulu/0-0-0-50474#JD\\_2-10.12](https://codelibrary.amlegal.com/codes/honolulu/latest/honolulu/0-0-0-50474#JD_2-10.12).

2 City and County of Honolulu. *One Climate One O'ahu* Climate Action Plan 2020-2025. Strategy 5: Reduce Energy Demand by Increasing Energy Efficiency:

<https://www.resilientoahu.org/s/2020-2025-Climate-Action-Plan.pdf>

3 City-Wide Energy Savings Performance Contract: <https://www.sustainablehonolulu.com/>.

Chair Nakashima and Vice Chair Sayama  
HB1828, HD1  
February 28, 2024  
Page 2

Program<sup>4</sup>. The City looks forward to continued partnership with the state to support increased energy efficiency at the household level and generating cost savings for O'ahu residents.

Extending the state's energy efficiency portfolio standards will accelerate momentum on many critical energy and cost savings initiatives and continue to guide decision-making towards achieving our 2045 targets.

Thank you for the opportunity to testify in support of HB1828, HD1.

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<sup>4</sup> City and County of Honolulu Better Buildings Benchmarking Program:  
<https://www.resilientoahu.org/benchmarking>.



## HOUSE COMMITTEE ON CONSUMER PROTECTION AND COMMERCE

February 28, 2024, 2:00 PM

Room 329

### TESTIMONY IN SUPPORT OF HB 1828 HD1

Aloha Chair Nakashima, Vice Chair Sayama, and members of the Committee,

Blue Planet Foundation **supports HB 1828 HD1**, 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.

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.<sup>1</sup>

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):

"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."

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<sup>1</sup> "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](https://energy.hawaii.gov/wp-content/uploads/2024/01/Act-238_HSEO_Decarbonization_Report.pdf)).

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 progresses toward achieving its 100% renewable energy and carbon-negative decarbonization goals, energy efficiency remains the most cost-effective way to reduce 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 in an equitable and affordable way.

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

**HB-1828-HD-1**

Submitted on: 2/24/2024 4:41:53 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b>       | <b>Testifier Position</b> | <b>Testify</b>            |
|---------------------|---------------------------|---------------------------|---------------------------|
| Ted Bohlen          | Climate Protectors Hawaii | Support                   | Written Testimony<br>Only |

Comments:

Extending Hawai'i's energy efficiency portfolio standards to 2045 and authorizing the PUC to establish interim goals makes sense. Energy efficiency is very cost beneficial, saving consumers money and avoiding GHG emissions and other pollution.

Please pass this bill!

Mahalo!

Climate Protectors Hawai'i (by Ted Bohlen)

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

HawaiiChangeAgents@gmail.com  
hawaiichangeagents.org

February 25, 2024

**SUPPORT FOR HB1828 HD1 – State Building Codes**

Aloha Chair Nakashima, Vice Chair Sayama, and Committee Members,

**The Building Decarbonization Task Force of the Hawai'i Environmental Change Agents supports HB1828, 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** 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.**

Respectfully,  
Building Decarbonization Task Force of HECA

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



February 28, 2024

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

Dear Chair Nakashima, Vice Chair Sayama, and members of the committee.

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)<sup>1</sup> 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.

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](https://citizensclimatelobby.org).



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

HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE  
Wednesday, February 28, 2024 — 2:00 p.m.

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

Dear Chair Nakashima 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, clean transportation choices, and better management of freshwater resources.

**Ulupono supports HB 1828 HD1**, 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.<sup>1</sup> As Hawai'i's electricity costs are expected to rise in the near-term<sup>2</sup>, 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

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<sup>1</sup>Hawai'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>

<sup>2</sup> 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*

**HB-1828-HD-1**

Submitted on: 2/25/2024 8:00:31 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|---------------------|---------------------------|------------------------|
| Arwen Revere        | Wild Kids Hawai'i   | Support                   | Written Testimony Only |

Comments:

Aloha Chair Lee and Members of the Committee,

My name is Arwen Revere, and I am a high school senior representing Wild Kids Hawai'i, a student-led organization dedicated to environmental advocacy and stewardship. I am writing to express our strong support for House Bill 1828, which updates and extends the state's Energy Efficiency Portfolio Standards (EEPS).

In 2009, Hawai'i set an ambitious goal through the EEPS to reduce statewide electricity use by 2030. While our state has since made strides towards achieving 100% clean energy and net-zero emissions by 2045, the EEPS goal has remained unchanged. HB 1828 is a crucial step in aligning our state's energy planning with these broader objectives by expanding the energy efficiency portfolio standards from a goal of 4,300 gigawatt-hours of electricity savings by 2030 to 6,000 gigawatt-hours of savings by 2045.

Hawai'i residents consistently face the highest electric bills in the nation, making energy efficiency an imperative and accessible solution to alleviate this burden. The proposed amendments in HB 1828 not only contribute to lowering electricity bills for local families but also play a pivotal role in addressing the climate crisis by reducing carbon emissions.

Our organization firmly believes that prioritizing energy efficiency is both affordable and equitable. It empowers families across Hawai'i to make sustainable choices while collectively working towards a cleaner, greener future. By supporting HB 1828, we are investing in a more resilient and sustainable energy future for our state.

As a high school senior, I am excited about the prospect of a cleaner and more sustainable Hawai'i for future generations. I urge the Committee to pass House Bill 1828, recognizing its importance in advancing our state's commitment to clean energy, reducing carbon emissions, and alleviating the financial strain on our residents.

Thank you for your time and consideration of this crucial matter.

Sincerely,

Arwen Revere on behalf of Wild Kids Hawai'i



**HB-1828-HD-1**

Submitted on: 2/25/2024 8:03:43 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b>            | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|--------------------------------|---------------------------|------------------------|
| laurel brier        | Kauai Climate Action Coalition | Support                   | Written Testimony Only |

Comments:

ENERGY EFFICIENCY is the fastest, most economical, and cleanest way to reduce our carbon emissions and achieve our State goals of 100% renewable energy. Energy efficiency and conservation are the single most effective thing we can do and it benefits everyone. Strong support for HB1828



To: The House Committee on Consumer Protection & Commerce (CPC)  
From: Sherry Pollack, 350Hawaii.org  
Date: Wednesday, February 28, 2024, 2pm

**In support of HB1828 HD1**

Aloha Chair Nakashima, Vice Chair Sayama, and Consumer Protection & Commerce 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 HB1828 HD1** 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 HD1, Relating to Energy-Efficiency Portfolio Standards, Before the House Committee on Consumer Protection and Commerce**

**Wednesday, February 28, 2023**

Aloha Chair Nakashima, Vice Chair Sayama, and committee members:

The Hawaii Solar Energy Association (HSEA) **supports HB1828 HD1**, which extends Hawaii's Energy Efficiency Portfolio Standard (EEPS) program in alignment with Hawaii's overall renewable energy, sustainability and resilience 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 HD1**.

Respectfully,

***/s/ Rocky Mould***

Rocky Mould  
Executive Director



**TESTIMONY FROM THE DEMOCRATIC PARTY OF HAWAII  
HOUSE COMMITTEE ON CONSUMER PROTECTION AND COMMERCE**

**FEBRUARY 28, 2024**

**HB 1828, HD1, RELATING TO ENERGY-EFFICIENCY PORTFOLIO STANDARDS**

**POSITION: SUPPORT**

The Democratic Party of Hawaii **supports** HB 1828, HD1, relating to energy-efficiency portfolio standards. Pursuant to the “Environment and Energy” section of the official Democratic Party of Hawaii platform, the party believes “that a key part of a sustainable and self-sufficient future for Hawaii lies in achieving energy independence through a transition to clean renewable energy sources,” and supports “policy that eliminates our dependence on fossil fuels and other dirty energy sources.”

According to a report produced by the Hawaii Climate Change Mitigation and Adaptation Commission, global sea levels could rise more than three feet by 2100, with more recent projections showing this occurring as early as 2060. In turn, over the next 30 to 70 years, approximately 6,500 structures and 19,800 people statewide will be exposed to chronic flooding. Additionally, an estimated \$19 billion in economic loss would result from chronic flooding of land and structures located in exposure areas. Finally, approximately 38 miles of coastal roads and 550 cultural sites would be chronically flooded, on top of the 13 miles of beaches that have already been lost on Kaua’i, O’ahu, and Maui to erosion fronting shoreline armoring.

As we work to reduce carbon emissions and stave off the worst consequences of climate change, we must begin preparing for the adverse impact of sea level rise on our shores. We are now quantifying the speed at which we must act. We cannot continue to develop the 25,800-acre statewide sea level rise exposure area—one-third of which is designated for urban use—without risking massive structural damage and, potentially, great loss of life.

Last year, we witnessed the impact of the climate emergency on our shores. On August 8, 2023, wildfires swept across Maui and killed at least 100 people, making it one of the nation's deadliest natural disasters. The spread of the fires has been attributed to climate change conditions, such as unusually dry landscapes and the confluence of a strong high-pressure system to the north and Hurricane Dora to the south. The wildfires destroyed over 2,200 structures, including numerous residential buildings, historic landmarks, and school facilities. In September 2023, a report from the United States Department of Commerce estimated the total economic damage of the wildfires to be roughly \$5.5 billion. Investing in renewable energy generation could not be more urgent, given the growing threat of climate-induced catastrophes to our island home.

Therefore, **our state should take steps to accelerate our transition to a clean energy economy and continue our fight against climate change, including by extending the state's energy efficiency portfolio standards from 2030 to 2045.** Strengthening energy efficiency is vital in reducing emissions associated with electricity generation, while providing financial benefits for consumers. The Hawai'i Clean Energy Initiative sets a statewide energy efficiency goal for 2030 at 4,300 gigawatt hours and directs the Public Utilities Commission to establish interim goals for 2015, 2020, and 2025. Extending these goals will ensure that the PUC may continue improving our state's energy-efficiency portfolio standards beyond 2030.

Mahalo nui loa,

**Kris Coffield**

*Co-Chair, Legislative Committee*

(808) 679-7454

kriscoffield@gmail.com

**Abby Simmons**

*Co-Chair, Legislative Committee*

(808) 352-6818

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**Hawaiian  
Electric**

**TESTIMONY BEFORE THE HOUSE COMMITTEE ON  
CONSUMER PROTECTION & COMMERCE**

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

Wednesday, February 28, 2024  
2:00 PM  
State Capitol, Conference Room 329

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

Dear Chair Nakashima, Vice Chair Sayama, and Members of the Committee,

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

HB 1828, HD1 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.



Before the House Committee on Consumer Protection & Commerce  
Wednesday, February 28, 2024 at 2:00 p.m.

Testimony in Support of HB1828 HD1: Relating to Energy-Efficiency Portfolio Standards

Chair Nakashima, Vice Chair Sayama, and Members of the Committee:

Thank you for the opportunity to testify in support and provide comments on House Bill 1828 HD1.

Hawai'i Energy works to empower island families and businesses on behalf of the Hawai'i Public Utilities Commission (PUC) to make smart energy choices to reduce energy consumption, save money, and pursue a 100% clean energy future. Energy efficiency – the energy we do not use – is the cheapest option to help us achieve our 100% clean energy goal by eliminating waste and being more efficient.

Hawai'i Energy applauds the legislature's efforts to support energy efficiency's continued impact on Hawai'i's residents and businesses as an integral component of the State's Clean Energy Initiative, which calls for Hawai'i to achieve 100% clean energy by 2045.

This bill extends the target date of the energy-efficiency portfolio standard (EEPS), as established in Act 155, SLH 2009, and set into law as HRS §269-96, to 2045, which aligns EEPS with the state's Renewable Energy Portfolio Standard target date. The bill further develops EEPS to increase its cumulative energy savings goal from 4,300 GWh by 2030 to 6,000 GWh by 2045.

Already, Hawai'i Energy, along with its partners, has been able to implement enough programs and initiatives throughout the state to generate confidence that the established EEPS goal of 4,300 GWh of energy savings by 2030 is on track. The revised goal of 6,000 GWh by 2045 set forth in HB1828 reflects that confidence, and Hawai'i Energy is well positioned to continue helping the state's utility ratepayers save electricity and money as we strive for this new target together. We look forward to continuing to work with the PUC as it explores EEPS impacts on Hawai'i's ratepayers and electrical grid through stakeholder workshops.

Given Hawai'i has the highest electricity rates in the country, energy efficiency remains a highly effective avenue to deliver significant cost savings to Hawaiian families and businesses, especially during these challenging budgetary times. We appreciate the ongoing efforts by the State Legislature to ensure that energy efficiency rightly plays a crucial role in pursuing Hawai'i's 100% clean energy future.

Thank you for the opportunity to testify in support of House Bill 1828 HD1.

Sincerely,  
Caroline Carl  
Executive Director  
Hawai'i Energy

**HB-1828-HD-1**

Submitted on: 2/23/2024 6:40:19 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>            |
|---------------------|---------------------|---------------------------|---------------------------|
| Scott Kidd          | Individual          | Support                   | Written Testimony<br>Only |

Comments:

I support this measure and propose that new measures be put in place to add back incentives for energy efficiency products such as heat pumps, energy efficient buildings, and growing our footprint in the renewable sector

**HB-1828-HD-1**

Submitted on: 2/24/2024 8:36:53 AM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|---------------------|---------------------------|------------------------|
| Marilyn Mick        | Individual          | Support                   | Written Testimony Only |

Comments:

Aloha Chair Nakashima, Vice Chair Sayama, and members of the Committee,

I am testifying in support of HB 1828, 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 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.

Marilyn Mick, Honolulu 96815

**HB-1828-HD-1**

Submitted on: 2/24/2024 10:32:42 AM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|---------------------|---------------------------|------------------------|
| Amelia Sofos        | Individual          | Support                   | Written Testimony Only |

Comments:

Aloha Chair Nakashima, Vice Chair Sayama, and members of the Committee,

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

My name is Amelia Sofos. I am a senior at Punahou School and a member of the Blue Planet Foundation's Climate Crew. I support HB 1828 because I believe it is essential for state plans to align in order to meet its 100% renewable energy goals and by extension reduce the cost of energy bills for local families.

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.

Thank you for the opportunity to submit testimony in support.

**Amelia Sofos, Honolulu, HI, 96822**

**HB-1828-HD-1**

Submitted on: 2/24/2024 10:33:41 AM

Testimony for CPC on 2/28/2024 2:00:00 PM

| Submitted By  | Organization | Testifier Position | Testify                |
|---------------|--------------|--------------------|------------------------|
| Vivienne Hill | Individual   | Support            | Written Testimony Only |

Comments:

Aloha Chair Nakashima, Vice Chair Sayama, and members of the Committee,

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

My name is Vivienne Hill, and I’m a Junior at the Honolulu Waldorf School. I am currently a member of the Blue Planet Foundation’s Climate Crew, a cohort dedicated to taking climate action surrounding renewable energy. As a child of a family of five, few people know better than me how high electricity bills can get. Unfortunately, there’s a lot of laundry that needs to be done. There are always plates for the dishwasher. My brother likes to take decent-length showers and sing “Careless Whisper” on repeat. All of these things add up. Rent here is astronomical. The last thing families like mine need is expensive energy bills. If we had more efficient, low-cost energy, it would be a big help for families like mine - and be much better for the planet in the long run.

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.

Mahalo for the opportunity to submit testimony in support.

Vivienne Hill

Honolulu, HI 96822



To: The House Committee on Consumer Protection & Commerce  
From: Brodie Lockard  
Date: Wednesday 2/28, 2024, 2:00 pm

**In support of HB1828**

Dear CPC Nakashima 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-HD-1**

Submitted on: 2/24/2024 11:36:20 AM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>            |
|---------------------|---------------------|---------------------------|---------------------------|
| Michael Koster      | Individual          | Support                   | Written Testimony<br>Only |

Comments:

As Hawai'i residents, my family is among the unfortunates who pay the highest electric bills in the nation. Energy efficiency is an accessible, affordable, and equitable way to lower electricity bills for local families, and reduce carbon emissions that are fueling the climate crisis. This bill is a no-brainer. Please support it.

**HB-1828-HD-1**

Submitted on: 2/24/2024 12:03:11 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>            |
|---------------------|---------------------|---------------------------|---------------------------|
| Miles Topping       | Individual          | Support                   | Written Testimony<br>Only |

Comments:

Efficiency is paramount in getting to energy independence and stop reliance on fossil fuel. This applies to the transportation sector also, not just buildings and factories. 2030 is on the horizon and we need to continue these efforts into the future. Please pass this bill.

**HB-1828-HD-1**

Submitted on: 2/24/2024 12:45:31 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|---------------------|---------------------------|------------------------|
| donn viviani        | Individual          | Support                   | Written Testimony Only |

Comments:

Aloha, I am Donn Viviani, I live in Kailua. I am a retired EPA scientist who served as director of EPA's Climate Policy Assessment Division. I am currently President of the Climate Protection and Restoration Initiative. I support HB1828

Hawaii uses a higher percent of petroleum to generate electricity than any other state, by two orders of magnitude (aside from alaska where HI uses about triple the percent). Given Hawaii's abundant wind and solar opportunities, together with tidal and geothermal resources to provide base load, Hawaii is uniquely situation among states to reduce electricity generation from fossil fuel to near zero.

Hawaii is among the most at risk states from runaway climate impacts, including extreme weather, sea level rise and most recently devastating fires. This bill is not a sufficient remedy, but it is a necessary one mahalo Donn Viviani PhD

**HB-1828-HD-1**

Submitted on: 2/24/2024 1:36:41 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| Submitted By | Organization | Testifier Position | Testify                |
|--------------|--------------|--------------------|------------------------|
| Matt L       | Individual   | Support            | Written Testimony Only |

Comments:

Aloha Chair Nakashima, Vice Chair Sayama, and members of the Committee,

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

**The future is always near and the time to do is NOW!**

Embracing energy efficiency is a critical part of addressing climate change and reducing carbon emissions. There is the acidification of the ocean that is also a big environmental issue caused by carbon polluting.

Because Hawai‘i residents and businesses pay the highest electricity rates in the nation, it’s important that we extend our energy efficiency goals to help further reduce electricity use and save millions on customer utility bills.

As electric utilities, Hawai‘i Energy, and other stakeholders plan for a 100% renewable future by 2045, it is similarly necessary to extend the EEPS goal beyond 2030 to align planning across the state

Encouraging equitable, affordable access to electricity is at the heart of this measure, which is very important for Hawai‘i families and businesses, now more than ever

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.

Thank you for the opportunity to submit testimony in support.

**Matt L.**

**mattscalling@gmail.com**

**HB-1828-HD-1**

Submitted on: 2/24/2024 5:55:54 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|---------------------|---------------------------|------------------------|
| Paulina Castillo    | Individual          | Support                   | Written Testimony Only |

Comments:

Aloha Chair Nakashima, Vice Chair Sayama, and members of the Committee,

My name is Paulina Castillo, and I am testifying in support of HB 1828, which extends the state’s energy efficiency portfolio standards beyond 2030 to 2045.

As a high school student, I am beginning to realize the gravity and importance of being cost-effective. A simple idea but quite demanding in reality. I have seen the changes in my community over the past years and understand that people can fall apart without support from those in power. Many businesses have gone under when the cost of energy bills is unexpected. If we seek to empower people, then dealing with energy efficiency is a must.

To reach the 100% renewable energy goal and decarbonization of our state, energy efficiency is something that can be done in a timely matter. It is cost-effective, a great way to decrease greenhouse gas emissions through energy usage, and has the best interest in financial benefits for businesses and individuals.

I strongly support HB 1828 which will allow Hawaii to continue strengthening the energy efficiency portfolio standards from 4,300 gigawatt-hours of electricity savings by 2030 to 6,000 gigawatt-hours of electricity savings by 2045. This is a key 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.

**Paulina Theresa Castillo**

**Kailua Kona, HI, 96740**

**HB-1828-HD-1**

Submitted on: 2/24/2024 7:23:52 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>            |
|---------------------|---------------------|---------------------------|---------------------------|
| Douglas Perrine     | Individual          | Support                   | Written Testimony<br>Only |

Comments:

I support HB1828 to extend Hawaii's planning for energy efficiency farther into the future. It requires advance planning to achieve our goals.

**HB-1828-HD-1**

Submitted on: 2/25/2024 1:54:54 AM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|---------------------|---------------------------|------------------------|
| B.A. McClintock     | Individual          | Support                   | Written Testimony Only |

Comments:

I am testifying in support of HB 1828, 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 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-HD-1**

Submitted on: 2/25/2024 1:10:54 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|---------------------|---------------------------|------------------------|
| Lei-Anne Jones      | Individual          | Support                   | Written Testimony Only |

Comments:

Aloha Chair Nakashima, Vice Chair Sayama, and members of the Committee,

I am testifying in support of HB 1828, 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 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.

Lei-Anne Jones

Honolulu, HI, 96822

**HB-1828-HD-1**

Submitted on: 2/25/2024 3:42:22 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|---------------------|---------------------------|------------------------|
| Ruth Robison        | Individual          | Support                   | Written Testimony Only |

Comments:

TO: Chair Nakashima, Vice Chair Sayama, and members of the CPC Committee

My name is Ruth Robison and I live in Hilo. I am submitting testimony in support of HB1828.

As you know, Hawai`i has the highest cost of electricity in the nation. Energy efficiency is an important way for people in Hawai`i to lower their energy bills.

This bill realigns the energy efficiency portfolio standards with the timeline for the State’s renewable portfolio standards, extending the target date to 2045, and allows the PUC to set interim standards to maximize cost-effective energy-efficiency programs and technologies to meet the State’s clean energy goals.

There is consensus among the PUC’s 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.”

Therefore, I urge you to pass HB1828.

Thank you for the opportunity to submit testimony.

**HB-1828-HD-1**

Submitted on: 2/25/2024 8:17:15 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|---------------------|---------------------------|------------------------|
| Sabina Funasaki     | Individual          | Support                   | Written Testimony Only |

Comments:

Aloha Chair Nakashima, Vice Chair Sayama, and members of the Committee,

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

I am a senior at Punahou School and a member of Blue Planet Foundation's Climate Crew, Cohort V. Not only is getting our state to run off of clean energy important, lessening the amount of energy used in general will help our economy and the environment to rise to the next level. We live in a world where overconsumption is the norm, so the most beneficial way to lessen our energy usage is to enact it into law.

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.

Thank you for the opportunity to submit testimony in support.

**Sabina Funasaki**

**Honolulu, HI 96822**

**HB-1828-HD-1**

Submitted on: 2/26/2024 8:55:53 AM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>            |
|---------------------|---------------------|---------------------------|---------------------------|
| Keiko Koki          | Individual          | Support                   | Written Testimony<br>Only |

Comments:

Aloha Chair Nakashima, Vice Chair Sayama, and members of the Committee,

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

I am a thankful citizen of Hawaii and also a mother. I believe we have to plan ahead to preserve a much of our beautiful Aina and natural resources for our children and the generations to come.

Thank you for your time and consideration. I strongly support HB 1828 and hope you will as well.

Sincerely,

Keiko Koki

Chair Nakashima,  
Vice Chair Sayama,  
and members of the  
Consumer Protection and Commerce Committee

Feb 26, 2024

## **IN SUPPORT**

I am testifying in strong support for HB1828, which extends the State's energy efficiency portfolio standards beyond 2045.

Hawai'i is progressing towards a 100% renewable energy and decarbonization goal, 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 business.

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 the 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 your time,

Joe Cisneros

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# Lisa Diaz

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**February 25, 2024**

**Rep. Mark M. Nakashima, House District 1  
RE: Full Support for HB 1828**

**Chair, CPC: Consumer Protection & Commerce**

**Rep. Jackson D. Sayama, House District 21  
Vice Chair, CPC: Consumer Protection & Commerce**

**CPC Committee Members:**

**Rep. Nicole E. Lowen, House District 7- Kailua Kona**

**Rep. Terez Amato**

**Rep. Della Au Belatti**

**Rep. Cedric Asuega Gates**

**Rep. Mark Hashem**

**Rep. Richard H.K. Onishi**

**Rep. Adrian K. Tam**

**State of Hawaii Legislature  
Consumer Protection & Commerce Committee**

**415 South Beretania St.  
Hawai'i State Capitol, Room 432  
Honolulu, HI 96813**

***Aloha mai ka mokupuni o Hawaii,***

**CPC Chair Mark Nakashima, Vice Chair Sayama, Hawaii Island Rep.  
Nicole Lowen,  
plus all esteemed members of the House Consumer Protection &  
Commerce Committee,**

**Mahalo for all you do to serve our aloha state, by protecting our  
environment.**

As a 30-year resident of Kailua-Kona, and a 20-year West Hawaii District  
Science Teacher, I urge you to fully support and pass HB 1828.

My former 3,000 students, and their families need a sustainable island,  
ocean, and planet to support their future, plus protect our sacred native  
species, unique environment, and culture. I did not have children of my  
own, as I have been dedicated to teaching my students to care for our  
islands, culture and planet.

Rep. Nakashima, and Rep. Lowen, I am forever grateful for the help you  
gave to my wonderful Kealakehe students and to our schools.

We have done well in Hawaii to develop EEPS (energy efficiency portfolio standards) and establish our goal of 100% clean energy and net-zero emissions by 2045. Hawaii has made great progress so far, however we need to keep moving forward quickly to align, update and extend Hawaii's EEP standards to include new technologies to improve energy efficiency, obtain essential federal funding, and educate all of our workers and citizens on making net zero our reality. We urgently need to step up our progress—we do not have time to waste. Scientific evidence overwhelmingly supports that we must act to eliminate greenhouse gas emissions, and foster sustainability for our Planet's survival.

Hawaii residents suffer economically by being burdened with the highest energy costs in the USA. **Hawaii Island** has the highest energy rates in our state, even though we have great natural potential with geo-thermal, solar, wind, OTEC and potential wave power, our infrastructure is far behind what we need. Hawaii Island residents travel great distances to get to work and school. We do not have enough EV chargers, clean energy public transport and school busses. We have only 1 airport runway in Kona, and we are supporting record tourism over last 2 years and moving forward in 2024/25. HECO still burns diesel fuel at our Keahole Power plant, yet Keahole is the sunniest place on our island. We need roof-top solar, and cool roofing for ALL our public schools- not just schools on Oahu.

I am doing my part as Hawaii Island kamaaina: in my life, at home, we have net metered rooftop solar, a solar water heater, cool roofing, and EV, Plug-in EV/ Hybrid vehicles, plus we try our best to grow food and live sustainably. We offer as much help as we can to others who are in need or wish to learn. I am a patient teacher and citizen . . . sometimes we must "try wait", however with our climate reality, we must be wikiwiki and akamai to save our future.

**Passing HB 1828 is essential to align, update and improve Hawaii's EEP standards.**

**No ka wā e hiki mai ana o ko kākou Moku'āina Aloha, nā haumāna 'ōpio a me ka 'ohana...**

**For the future of our Aloha State, our youth and families, please do all you can as legislators to pass HB1828 and all important bills that will move Hawaii forward towards sustainability and Net Zero.**

**We all must do more to protect our 'Āina, moana, a me ka honua.**

**CPC Committee Members, we are counting on your leadership.**

**Mahalo, a ho'omau i ka hele i mua E hele!**



**Lisa Diaz**

**HB-1828-HD-1**

Submitted on: 2/26/2024 11:04:33 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>            |
|---------------------|---------------------|---------------------------|---------------------------|
| Jill Yoshicedo, DVM | Individual          | Support                   | Written Testimony<br>Only |

Comments:

I strongly support Hawaii's continued efforts to meet the climate change crisis and increase our state's energy efficiency goals. We need bold steps to effectively address this crisis and help preserve the liveability of the Earth for future generations.

**HB-1828-HD-1**

Submitted on: 2/27/2024 12:53:31 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|---------------------|---------------------------|------------------------|
| Centelle Bautista   | Individual          | Support                   | Written Testimony Only |

Comments:

Aloha Chair Nakashima, Vice Chair Sayama, and members of the Committee,

I am testifying in support of HB 1828, which will stretch the state's energy efficiency portfolio standards beyon 2030 to 2045.

We all know that carbon emissions have negatively effected communities all over the world. So, embracing the switch to energy efficiency is an important part to adressiong climate change and reducing carbon emissions. Our world is heading towards irriversable damage due to our negligence. The very least we can do is support topics such as energy efficiency, since Carbon emissions is one of the leading culprits to the damage to our climate.

Businesses and homes in Hawai'i pay the highest electricity rates in the nation! To help combat this, extending the energy efficiency goals will further reduce electricity use and save millions on utility bills. Extending to 2045 will align with the goals of establishments such as Hawai'i Energy and other stakeholders, with the goal of 100% renewable energy.

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. Energy efficiency will be the best alternative as it is the quickest, cheapest, and cleanest way to reduce emissions from the electricity sector. All while lessening the financial burden on the people and businesses of Hawai'i, and helping set us up for an efficient future.

Mahalo for the opportunity to submit a testimony in support.

Centelle X.K. Bautista, Kurtistown, HI 96760

**HB-1828-HD-1**

Submitted on: 2/27/2024 1:26:52 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| Submitted By   | Organization | Testifier Position | Testify                |
|----------------|--------------|--------------------|------------------------|
| Palmer Hafdahl | Individual   | Support            | Written Testimony Only |

Comments:

Aloha Chair Nakashima, Vice Chair Sayama, and members of the Committee,

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

**Protecting the common resource in our sustaining atmosphere is a priority for our codependent ecologies which suffer the consequence of polluting energy inefficiencies.**

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.

Thank you for the opportunity to submit testimony in support.

**Palmer W. Hafdahl, Lihue HI 96766**

**LATE**

**HB-1828-HD-1**

Submitted on: 2/27/2024 3:39:45 PM

Testimony for CPC on 2/28/2024 2:00:00 PM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|---------------------|---------------------------|------------------------|
| James McCay         | Individual          | Support                   | Written Testimony Only |

Comments:

Mahalo and let's GO!

**LATE**

**HB-1828-HD-1**

Submitted on: 2/28/2024 6:26:18 AM

Testimony for CPC on 2/28/2024 2:00:00 PM

| Submitted By    | Organization | Testifier Position | Testify                |
|-----------------|--------------|--------------------|------------------------|
| Renee A. Pandit | Individual   | Oppose             | Written Testimony Only |

Comments:

I vehemently OPPOSE Bill HB1828 for the following reasons:

1. The State of Hawaii (instigated by big hotels and corporate tourism) is infringing upon personal property rights. This has been going on for years...shoreline properties, rental properties, etc.
2. I recently relocated to the mainland in 2023 for a better job opportunity and purchased this rental in late 2021 with that plan in mind...for the purpose of returning to visit home often. I sold my Ewa Beach property so I could make the move for better employment, better wages and affordable living. So my Ko'olina property is my foothold back home. Having a 30-day rental out at Ko'olina allows me and my husband the convenience of visiting home often to see our grown kids, family and friends, without having to stay at an expensive hotel that lacks any resemblance to local living. My adult children also utilize the home for holidays and special gatherings. Hotels are for tourists...I'm not a tourist...my family members are not tourists. I was born and raised in Hauula, my father's family line goes back generations. We are Kamaaina.
3. My 30-day rental business allows me to keep and utilize my home part time, and to also have an income to help pay expenses until I return one day for retirement.
4. I purchased in Ko'olina in 2021 specifically because it's a resort area and because 30-day rentals are allowed. I paid a premium price for my condo because of this very reason.
5. It disgusts me that Hawaii politicians are owned by big hotel and the tourism industry. Tourism is important for Hawaii...but so is the livelihood of local families and local business owners. Without local residents and businesses...Hawaii is nothing!!!
6. Vacation rentals aren't the problem...the governments' inadequacy to manage and enforce is the problem. I've worked in legal for years and can't believe the stupidity and incompetence that I've had to deal with at ALL LEVELS of GOVERNMENT. I mean no disrespect, but it's the honest truth. And where we are at today with this Bill is just another example.
7. Hawaii has been allowing foreign investors from China, Japan, Korea, etc., to buy up Hawaii real estate for years. Not to mention allowing celebrities to purchase large pieces of land...land that should be kept for local residents. Many of these luxury condos are left vacant. How about STOP selling to foreign investors! How about taxing foreign investors for vacancies? Why tax

local people more?

8. The government created this problem, and now they want to punish local homeowners who have managed to get ahead and gain a little wealth.

9. I truly believe that the goal is to keep local residents stupid so that the government can continue taking advantage of the population. Keep them stupid and control the narrative, right?!?

10. If there is a housing problem, why do you continue to keep building hotels? Why do you keep allowing foreign investors to buy real estate and drive up the housing market knowing that it's going to displace local families? The pay scale DOES NOT MATCH the housing market! I don't think you're trying to solve the problem, I think you're trying to take away from Peter to give to Paul. You're basically trying to force people to sell what they've worked so hard to purchase. These never-ending bills being proposed are an aggressive attempt to continuously exhaust home owners to the point that they give in, give up and sell. This is an all out effort to appease big hotels so that there is no competition.

11. Do the right thing and work for the people of Hawaii instead of always trying to rip them off and take take take! Is it that hard to be honest and fair? Apparently it is!

**WE SEE WHAT'S GOING ON...WE ARE NOT STUPID! FOR ONCE...DO THE RIGHT THING!!!**

Sent from my iPhone