



HAWAII STATE ENERGY OFFICE STATE OF HAWAII

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CHIEF ENERGY OFFICER

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Testimony of MARK B. GLICK, Chief Energy Officer

before the
SENATE COMMITTEE ON ENERGY, ECONOMIC DEVELOPMENT, AND TOURISM

Tuesday, January 30, 2024
1:30 PM
State Capitol, Conference Room 229 and Videoconference

In SUPPORT of
SB 2122

RELATING TO ENERGY-EFFICIENCY PORTFOLIO STANDARDS.

Chair DeCoite, Vice Chair Wakai, and Members of the Committee, the Hawai'i State Energy Office (HSEO) supports SB 2122 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 Report¹ to the 2024 Hawai'i State Legislature that candidly reviews the significantly 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 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

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:²

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.

² Ibid, page 9.



STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I
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DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS
KA 'OIHANA PILI KĀLEPA
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JOSH GREEN, M.D.
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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 Energy, Economic Development, and Tourism
Tuesday, January 30, 2024
1:30 p.m.
Conference Room 229**

**On the following measure:
S.B. 2122, RELATING TO ENERGY-EFFICIENCY PORTFOLIO STANDARDS**

Chair DeCoite 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 (2) authorize the Public Utilities Commission (Commission) to establish interim goals and clarify procedures.

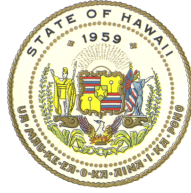
The Department believes that energy efficiency can and should play an important role in Hawaii's efforts to transition to clean energy and recognizes that energy efficiency is viewed often as the most cost-effective means to contribute to the State's clean energy goals. The cost-effectiveness of energy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

¹ 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.



**STATE OF HAWAII
HAWAII CLIMATE CHANGE MITIGATION & ADAPTATION
COMMISSION
POST OFFICE BOX 621
HONOLULU, HAWAII 96809**

**Testimony of
Leah Laramée
Coordinator, Hawai'i Climate Change Mitigation and Adaptation Commission**

Co-Chairs:
Chair, DLNR
Director, OPSD

Commissioners:
Chair, Senate AEN
Chair, Senate WTL
Chair, House EEP
Chair, House WAL
Chairperson, HTA
Chairperson, DOA
CEO, OHA
Chairperson, DHHL
Director, DBEDT
Director, DOT
Director, DOH
Chairperson, DOE
Director, C+C DPP
Director, Maui DP
Director, Hawai'i DP
Director, Kaua'i DP
The Adjutant General
Manager, CZM

**Before the Senate Committee on
ENERGY, ECONOMIC DEVELOPMENT, AND TOURISM**

**Tuesday January 30, 2024
1:30 PM**

State Capitol, Via Videoconference, Conference Room 229

**In support of
SENATE Bill 2122
RELATING TO ENERGY-EFFICIENCY PORTFOLIO STANDARDS**

Senate Bill 2122 extends the State's energy efficiency portfolio standards from 2030 to 2045 and authorizes the Public Utilities Commission to establish interim goals and clarifies procedures. **The Hawai'i Climate Change Mitigation and Adaptation Commission (Commission) supports this measure.**

The Commission is a multi-jurisdictional effort between 20 different State and county departments, and Legislative committees. 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 to continue our progress.

Mahalo for the opportunity to testify in support of this measure.

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

TO THE
SENATE COMMITTEE ON
ENERGY, ECONOMIC DEVELOPMENT, AND TOURISM

January 30, 2024
1:30 p.m.

Chair DeCoite, Vice Chair Wakai, and Members of the Committee:

MEASURE: S.B. 2122

TITLE: RELATING TO ENERGY EFFICIENCY PORTFOLIO STANDARDS

DESCRIPTION: Extends the State's energy efficiency portfolio standards from 2030 to 2045. Authorizes the Public Utilities Commission to establish interim goals, and clarifies procedures.

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, SLH 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 Company’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)¹ indicates that Hawaii is on track to meet and exceed the established 2030 target of 4,300 GWh of energy savings.

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

Extending the target date 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. 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.



SENATE COMMITTEE ON ENERGY, ECONOMIC DEVELOPMENT, AND TOURISM

January 30, 2024, 1:30 PM

Room 229

TESTIMONY IN SUPPORT OF SB 2122

Aloha Chair DeCoite, Vice Chair Wakai, and members of the Committee,

Blue Planet Foundation **supports SB 2122**, 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.

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. 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.

Further, Blue Planet continues to support the integration of demand response programs into Hawai'i's energy efficiency efforts. Although demand response programs do not currently count towards our EEPS, we believe that including demand response can help modernize the state's energy planning efforts because the time we use energy has become increasingly important as intermittent renewable energy resources, such as wind and solar, are added to our energy mix.

Thank you for the opportunity to testify in support of SB 2122.

info@blueplanetfoundation.org

126 Queen Street, Suite 204 • Honolulu, Hawai'i 96813 • 808-954-6161 • blueplanetfoundation.org



Before the Senate Committee on Energy, Economic Development, and Tourism
Tuesday, January 30, 2024 at 1:30 p.m.

Testimony in Support of SB2122: Relating to Energy-Efficiency Portfolio Standards

Chair DeCoite, Vice Chair Wakai, and Members of the Committee:

Thank you for the opportunity to testify in support and provide comments on Senate Bill 2122.

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 SB2122 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 Senate Bill 2122.

Sincerely,
Caroline Carl
Executive Director
Hawai'i Energy



**Hawaiian
Electric**

**TESTIMONY BEFORE THE SENATE COMMITTEE ON ENERGY, ECONOMIC
DEVELOPMENT, AND TOURISM**

SB 2122

Relating to Energy-Efficiency Portfolio Standards

Tuesday, January 30, 2024
1:30 pm, Agenda Item #2
VIA VIDEOCONFERENCE
Conference Room 229
State Capitol
415 South Beretania Street

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

Aloha Chair DeCoite, Vice Chair Wakai, and Committee Members,

My name is Ka'iulani Shinsato and I am testifying on behalf of Hawaiian Electric in support of SB2122, Relating to Energy Efficiency Portfolio Standards.

SB2122 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, Hawai'i 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 SB2122.

SB-2122

Submitted on: 1/27/2024 10:59:14 AM

Testimony for EET on 1/30/2024 1:30:00 PM

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

Comments:

Aloha Chair DeCoite, Vice Chair Wakai, and members of the Committees,

I am testifying in support of SB 2122, 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, but we have yet to extend the EEPS goal beyond 2030.

I support SB 2122 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. Thank you for the opportunity to submit testimony in support.

Keala Dickhens

Honolulu, HI 96816



Environmental Caucus of
The Democratic Party of Hawai'i

Energy & Climate Action Committee

Tuesday, January 30, 2024, 1:01 pm

Senate Committee on Energy, Economic Development, and Tourism
SENATE BILL 2122 – RELATING TO ENERGY EFFICIENCY PORTFOLIO STANDARDS
Position: Support

Me ke Aloha Chair DeCoite, Vice-Chair Wakai, and members of the Senate Committee on Energy, Economic Development, and Tourism:

SB2122 Extends the State's energy efficiency portfolio standards from 2030 to 2045, and authorizes the Public Utilities Commission to establish interim goals, clarifying procedures.

Energy and Climate Action Committee supports this measure, recognizing the efforts of private parties, government agencies, and the energy providers to save energy and money by addressing efficiency concerns in buildings, infrastructure, and other technologies. These are widely understood to be the most cost-effective measures toward meeting Hawaii's energy goals. As the current portfolio standards run only to 2030, they need to be updated to correspond to the energy standards set for 2045. In keeping with Hawaii's energy goals, the Public Utility Commission is the appropriate agency to oversee this updating.

Mahalo for providing the opportunity to address this matter.

/s/ Charley Ice, Chair, Energy and Climate Action Committee
Environmental Caucus of the Democratic Party



TESTIMONY FROM THE DEMOCRATIC PARTY OF HAWAII
SENATE COMMITTEE ON ENERGY, ECONOMIC DEVELOPMENT, AND TOURISM
JANUARY 30, 2024
SB 2122, RELATING TO ENERGY-EFFICIENCY PORTFOLIO STANDARDS
POSITION: SUPPORT

The Democratic Party of Hawai'i **supports** SB 2122, relating to energy-efficiency portfolio standards. Pursuant to the "Environment and Energy" section of the official Democratic Party of Hawai'i platform, the party believes "that a key part of a sustainable and self-sufficient future for Hawai'i 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 Hawai'i 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
abbyalana808@gmail.com



Email: communications@ulupono.com

SENATE COMMITTEE ON ENERGY, ECONOMIC DEVELOPMENT
Tuesday, January 30, 2024 — 1:30 p.m.

Ulupono Initiative supports SB 2122, Relating to Energy-Efficiency Portfolio Standards.

Dear Chair DeCoite 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 SB 2122, which extends the State's energy efficiency portfolio standards from 2030 to 2045 and authorizes the Public Utilities Commission to establish interim goals, and clarifies procedures.

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 that can be made to reduce energy demand *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

¹ 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

²See 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

SB-2122

Submitted on: 1/29/2024 12:01:12 PM

Testimony for EET on 1/30/2024 1:30:00 PM

Submitted By	Organization	Testifier Position	Testify
Ted Bohlen	Testifying for Climate Protectors Hawaii	Support	Written Testimony Only

Comments:

Energy efficiency measures are cost beneficial. They save consumers money and avoid adverse environmental impacts. Extending the energy efficiency portfolio standards will help Hawaii reach its carbon negative target (as soon as practicable but not later than 2045.) HRS Sec. 225P-5.

Please pass this bill to expand and extend energy efficiency portfolio standards in Hawaii from 2030-2045.

Mahalo!

Climate Protectors Hawaii (by Ted Bohlen)



Environmental Caucus of The Democratic Party of Hawai'i

To: Senate Committee on Energy, Economic Development, and Tourism
Hon. Lynn DeCoite, Chair
Hon. Glenn Wakai, Vice Chair

Re: SB 2122 RELATING TO ENERGY-EFFICIENCY PORTFOLIO STANDARDS

Hearing: Tuesday, January 30, 2024, 1:30 p.m., Room 229 & videoconference

Position: Supports

Aloha, Chair DeCoite, Vice Chair Wakai, and Members of the Committees on Energy, Economic Development, and Tourism:

The Environmental Caucus of the Democratic Party of Hawai'i (DPH) supports SB 2122. This bill would extend the State's energy efficiency portfolio standards from 2030 to 2045. It also authorizes the Public Utilities Commission to establish interim goals, and clarifies procedures.

The PLATFORM OF THE DEMOCRATIC PARTY OF HAWAI'I as adopted at the 2022 State Convention on May 28, 2022, states as follows:

ENVIRONMENT AND ENERGY

Protect and preserve Hawai'i's environment and achieve energy sustainability. Advance measures to re-establish a healthy climate and environment for humans and fellow species, including actions to urgently address climate change. Work towards 100% renewable clean energy goals. [Emphasis added.]

We believe that all people have the right to live in a clean, healthy and safe environment. We believe that the preservation of our natural environment and its ecological well-being is essential to ensuring a safe, healthy, bountiful life for future generations in Hawai'i. We support policies that create a more sustainable society. We support the restoration, preservation, and protection of native ecosystems.

We believe in the resource management principles outlined in the Public Trust doctrine of the Hawai'i State Constitution. We support policy that incorporates indigenous resource-management practices and technologies such as the Ahupua'a System in modern urban planning and

development to create an ecologically sustainable balance between the needs of the people and the rights of nature.

We believe that a key part of a sustainable and self-sufficient future for Hawai‘i lies in *achieving energy independence through a transition to clean renewable energy sources. We support policies that eliminate our dependence on fossil fuels and other dirty energy sources.* We support policies that expand access to public transportation and encourage transit-oriented development and walkable communities. [Emphasis added.]

Based on the DPH Platform, the Environmental Caucus agrees that it is appropriate to extend these 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. (SB2122, p. 2)

For all these compelling reasons, logic and science dictate that we absolutely should extend the State's energy efficiency portfolio standards from 2030 to 2045 and authorize the Public Utilities Commission to establish interim goals and clarifies procedures.

Thank you for the opportunity to testify.

Melodie Adyja legislativepriorities@gmail.com

Alan B. Burdick burdick808@gmail.com

Co-Chairs,
Environmental Caucus of the
Democratic Party of Hawai‘i



To: The Senate Committee on Energy, Economic Development, and Tourism (EET)
From: Sherry Pollack, 350Hawaii.org
Date: Tuesday, January 30, 2024, 1:30pm

In support of SB2122

Aloha Chair DeCoite, Vice Chair Wakai, and members of the EET Committee,

I am Co-Founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. 350Hawaii.org **supports SB2122** 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



Aloha committee members,

My name is Arwen Revere and I'm a high school student from Kailua and a member of the environmental organization Wild Kids, whom I am representing today. Wild Kids is in strong support of SB2122. The Energy Efficiency Portfolio Standards, established in 2009, have been instrumental in steering Hawai'i towards a cleaner and more sustainable energy future. However, with our evolving environmental challenges and ambitious goals of achieving 100% clean energy and net-zero emissions by 2045, it is imperative that we update and extend these standards to align with our state's comprehensive energy planning.

SB 2122 is a groundbreaking proposal that seeks to increase the target for electricity savings from 4,300 gigawatt-hours by 2030 to 6,000 gigawatt-hours by 2045. This expansion is not just a numerical adjustment; it represents a significant commitment to accelerating our transition to a more sustainable energy future. By doing so, we are not only fulfilling our environmental responsibilities but also taking a step towards reducing carbon emissions and alleviating the burden of high electric bills on Hawai'i's residents.

The importance of this bill cannot be overstated. Our generation faces the profound impacts of climate change, and the decisions we make today will determine the kind of world we inherit tomorrow. Updating and extending the EEPS through SB 2122 will not only contribute to achieving our state's clean energy goals but will also set a powerful precedent for other regions grappling with similar challenges.

From the perspective of Wild Kids, an organization dedicated to environmental advocacy and education, we wholeheartedly support Senate Bill 2122 as a vital tool in our collective effort to protect Hawai'i's unique ecosystems, preserve our cultural heritage, and secure a sustainable future for generations to come.

Thank you for your time and commitment to the betterment of Hawai'i.

Sincerely,

Arwen Revere, on behalf of Wild Kids

SB-2122

Submitted on: 1/27/2024 12:25:36 PM

Testimony for EET on 1/30/2024 1:30:00 PM

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

Comments:

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 SB 2122 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 your time.

SB-2122

Submitted on: 1/27/2024 4:39:03 PM

Testimony for EET on 1/30/2024 1:30:00 PM

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

Comments:

Please pass SB 2122 to update Hawaii's energy efficiency standards to enable more efficient long-range planning.

SB-2122

Submitted on: 1/27/2024 7:17:42 PM

Testimony for EET on 1/30/2024 1:30:00 PM

Submitted By	Organization	Testifier Position	Testify
Lei-Anne Jones	Individual	Support	Written Testimony Only

Comments:

Aloha Chair DeCoite, Vice Chair Wakai, and members of the Committees,

I am testifying in support of SB 2122, 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 SB 2122 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, Hawaii, 96822

SB-2122

Submitted on: 1/27/2024 10:06:35 PM

Testimony for EET on 1/30/2024 1:30:00 PM

Submitted By	Organization	Testifier Position	Testify
Christine Jane Agas	Individual	Support	Written Testimony Only

Comments:

I support the extension of the State's energy efficiency portfolio standards from 2030 to 2045.

SB-2122

Submitted on: 1/28/2024 10:27:05 AM

Testimony for EET on 1/30/2024 1:30:00 PM

Submitted By	Organization	Testifier Position	Testify
Wendy Gibson-Viviani	Individual	Support	Written Testimony Only

Comments:

Dear Chair, Vice-Chair and Members of the Committee,

My name is Wendy Gibson-Viviani and I'm writing in SUPPORT of SB2122.

My husband, a retired EPA Scientist and I are committed to addressing climate change issues by promoting systems that will help reduce carbon emissions.

SB2122 will update our state energy efficiency portfolio, helping us have a clearer view of what is needed to move towards renewables and away from carbon emissions.

Thank you for the opportunity to share my view,

Wendy Gibson-Viviani RN/BSN

Kailua

SB-2122

Submitted on: 1/28/2024 2:26:42 PM

Testimony for EET on 1/30/2024 1:30:00 PM

Submitted By	Organization	Testifier Position	Testify
donn viviani	Individual	Support	Written Testimony Only

Comments:

I'm writing in support of SB2122 I'm Donn Viviani. My wife and I live in Kailua and have family in the Manoa and Aina Haina areas. Before I retired, I was the director of the Climate Policy Division at EPA headquarters in DC. I served as Chairman of the Great Lakes Water Quality Board's Toxic Substances Committee and I'm currently the Board President for the Climate Protection and Restoration Initiative. I have a PhD in Chemistry. I am familiar with the unique threat climate change poses to Hawaii, and more specifically the threat to the water surrounding our islands as well as our unique vulnerability to extreme weather.

I first want to address the notion that climate change is a global problem that can't be addressed by the US and its individual states. This is exactly backwards. In fact, climate change can't be fixed WITHOUT the US and its individual states. Given our economic power, outsized consumption and massive energy use, we are responsible for at least a quarter of the past problem and, as , our position as the biggest exporters of oil and gas we are also responsible for much of the ongoing problem. So it's important that each State take the action necessary to help deal with this existential threat to mankind. Energy production is responsible for a quarter of US emissions. Please take this further step towards energy efficiency

mahalo Donn

To: The Senate Committee on Energy, Economic Development, and Tourism
From: Brodie Lockard
Date: Tuesday, January 30, 2024, 1:30 pm

In support of SB2122

Dear EEP Chair DeCoite, Vice Chair Wakai and Committee Members—

The “Energy Efficiency Portfolio Standards” (or EEPS), Hawai‘i’s long-term goal to reduce statewide electricity use by 2030, has not been updated since 2009. Hawai‘i has set new goals to achieve 100% clean energy and net-zero emissions by 2045, but the EEPS goal needs to extend beyond 2030 to align planning across the state.

SB2122 would expand the EEPS from a goal of 4,300 gigawatt-hours of electricity savings by 2030 to 6,000 gigawatt-hours of savings by 2045—a crucial step to reduce carbon emissions and cut Hawai‘i’s high electric bills.

Embracing energy efficiency is a critical part of reducing carbon emissions and addressing the climate crisis that everyone seems to have forgotten about.

I urge you to pass this crucial bill.

Brodie Lockard
Founder, 350Hawaii

SB-2122

Submitted on: 1/27/2024 9:33:02 PM

Testimony for EET on 1/30/2024 1:30:00 PM

Submitted By	Organization	Testifier Position	Testify
Andrew Crossland	Individual	Oppose	Written Testimony Only

Comments:

I **oppose** this Bill.

SB-2122

Submitted on: 1/29/2024 7:06:06 PM

Testimony for EET on 1/30/2024 1:30:00 PM

Submitted By	Organization	Testifier Position	Testify
TJ Sao	Testifying for Blue Planet Foundation	Support	Written Testimony Only

Comments:

Aloha Chair DeCoite, Vice Chair Wakai, and members of the Committees,

I am testifying in support of SB 2122, which extends the state’s energy efficiency portfolio standards beyond 2030 to 2045.

I’m passionate about creating a sustainable and equitable environment in Hawai’i for all people and future generations to share. We need to bridge a stronger and more harmonious relationship with nature and realign our values to favour the interests and well-being of humanity and our environment. I believe this bill aligns with these goals.

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 SB 2122 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.

TJ Sao, Pearl City, HI 96782