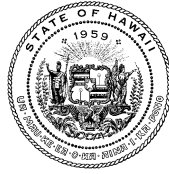


DAVID Y. IGE
GOVERNOR



CURT T. OTAGURO
COMPTROLLER
AUDREY HIDANO
DEPUTY COMPTROLLER

STATE OF HAWAII
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES

P.O. BOX 119, HONOLULU, HAWAII 96810-0119

WRITTEN TESTIMONY
OF
CURT T. OTAGURO, COMPTROLLER
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
TO THE

SENATE COMMITTEE
ON
WAYS AND MEANS

THURSDAY, MARCH 3, 2022, 10:10 A.M.
VIA VIDEOCONFERENCE, STATE CAPITOL

S.B. 2963, S.D. 1

RELATING TO ENERGY EFFICIENCY.

Chair Dela Cruz, Vice Chair Keith-Agaran, and Members of the Committee, thank you for the opportunity to testify on S.B. 2963, S.D. 1.

The Department of Accounting and General Services (DAGS) supports the intent of this measure which requires and establishes deadlines for State facilities, except smaller facilities and facilities within the stadium development district, to implement cost-effective energy efficiency measures.

DAGS also appreciates the revision of the proposed language of section 2 (a) to allow additional time for implementation.

Thank you for the opportunity to testify on this matter.

DAVID Y. IGE
GOVERNOR



CRAIG K. HIRAI
DIRECTOR

GLORIA CHANG
DEPUTY DIRECTOR

STATE OF HAWAII
DEPARTMENT OF BUDGET AND FINANCE
P.O. BOX 150
HONOLULU, HAWAII 96810-0150

EMPLOYEES' RETIREMENT SYSTEM
HAWAII EMPLOYER-UNION HEALTH BENEFITS TRUST FUND
OFFICE OF THE PUBLIC DEFENDER

ADMINISTRATIVE AND RESEARCH OFFICE
BUDGET, PROGRAM PLANNING AND
MANAGEMENT DIVISION
FINANCIAL ADMINISTRATION DIVISION
OFFICE OF FEDERAL AWARDS MANAGEMENT (OFAM)

WRITTEN ONLY
TESTIMONY BY CRAIG K. HIRAI
DIRECTOR, DEPARTMENT OF BUDGET AND FINANCE
TO THE SENATE COMMITTEE ON WAYS AND MEANS
ON
SENATE BILL NO. 2963, S.D. 1

March 3, 2022
10:10 a.m.
Room 211 and Videoconference

RELATING TO ENERGY EFFICIENCY

The Department of Budget and Finance (B&F) offers comments on this bill.

Senate Bill (S.B.) No. 2963, S.D. 1: requires and establishes deadlines for State facilities, except for smaller facilities and facilities within the stadium development district, to implement cost-effective energy efficiency measures (CEEEM); allows the Department of Accounting and General Services to opt out of the CEEEM if a facility will be demolished within five years; directs the Hawai'i State Energy Office to collect electric utility bills and energy usage data for State-owned buildings and to make the data publicly available; directs the Office of Planning and Sustainable Development (OPSD) to collect water utility bills and water usage data for State-owned buildings and to make the data publicly available; establishes a goal for the State to achieve at least a 25% reduction in the electricity consumption of State facilities; provides that certain agencies that perform energy efficiency retrofitting may continue to receive appropriations for energy expenditures; requires, where feasible and cost-effective, the design of all new State building construction to maximize energy and water efficiency,

maximize energy generation potential, and use building materials that reduce the carbon footprint of the project; and appropriates an unspecified amount of general funds and authorizes an unspecified full-time equivalent position count to OPSD to collect and publish the water utility bills and water usage data as required by this measure.

B&F defers to the impacted agencies regarding the effects of this measure on their respective operations. However, B&F points out that meeting and adopting the building efficiency standards described is likely to require significant investments in capital improvement projects for State facilities to either retrofit existing facilities or construct new facilities with these efficiency measures already in place.

B&F notes that, with respect to the general fund appropriation in this bill, the federal Coronavirus Response and Relief Supplemental Appropriations Act requires that states receiving Elementary and Secondary School Emergency Relief (ESSER) II funds and Governor's Emergency Education Relief II funds must maintain state support for:

- Elementary and secondary education in FY 22 at least at the proportional level of the state's support for elementary and secondary education relative to the state's overall spending, averaged over FYs 17, 18 and 19; and
- Higher education in FY 22 at least at the proportional level of the state's support for higher education relative to the state's overall spending, averaged over FYs 17, 18 and 19.

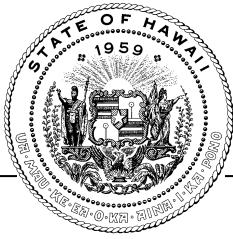
Further, the federal American Rescue Plan (ARP) Act requires that states receiving ARP ESSER funds must maintain state support for:

- Elementary and secondary education in FY 22 and FY 23 at least at the proportional level of the state's support for elementary and secondary education relative to the state's overall spending, averaged over FYs 17, 18 and 19; and

- Higher education in FY 22 and FY 23 at least at the proportional level of the state's support for higher education relative to the state's overall spending, averaged over FYs 17, 18 and 19.

The U.S. Department of Education has issued rules governing how these maintenance of effort (MOE) requirements are to be administered. B&F will be working with the money committees of the Legislature to ensure that the State of Hawai'i complies with these ESSER MOE requirements.

Thank you for your consideration of our comments.



**STATE OF HAWAII
OFFICE OF PLANNING
& SUSTAINABLE DEVELOPMENT**

DAVID Y. IGE
GOVERNOR

MARY ALICE EVANS
DIRECTOR

235 South Beretania Street, 6th Floor, Honolulu, Hawaii 96813
Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804

Telephone: (808) 587-2846
Fax: (808) 587-2824
Web: <https://planning.hawaii.gov/>

Statement of
MARY ALICE EVANS
Director, Office of Planning and Sustainable Development
before the
SENATE COMMITTEE ON WAYS AND MEANS
Thursday, March 3, 2022
10:10 AM
State Capitol, Conference Room 211
on
SB 2963, SD 1
RELATING TO ENERGY EFFICIENCY.

Chair Dela Cruz, Vice Chair Keith-Agaran, and Members of the Committee on Ways and Means.

The Office of Planning and Sustainable Development (OPSD) **supports the intent of this measure and offers comments** on SB 2963, which requires and establishes deadlines for state facilities, except smaller facilities and facilities within the stadium development district, to implement cost-effective energy efficiency measures. Allows the Department of Accounting and General Services to opt out of the cost-effective energy efficiency measures if a facility will be demolished within five years. Directs the Hawai'i Natural Energy Institute to collect utility bill and energy usage data for state-owned buildings and to make the data publicly available. Establishes a goal for the State to achieve at least a twenty-five percent reduction in the electricity consumption of state facilities. Provides that certain agencies that perform energy efficiency retrofitting may continue to receive appropriations for energy expenditures. Beginning 7/1/2023, requires, where feasible and cost-effective, the design of all new state building construction to maximize energy and water efficiency, maximize energy generation potential, and use building materials that reduce the carbon footprint of the project.

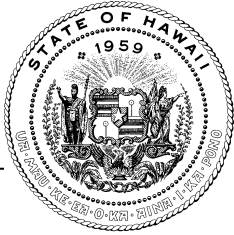
The OPSD strongly supports green building management, sustainable development, and sustainable operations for Hawai'i's State Government buildings.

In addition to this important bill, it is important to highlight two laws directing the State's facilities' sustainable development:

- **Hawai'i Revised Statutes §196-9 (b) (1):** Where each agency in the State is directed to implement, to the extent possible, and with regard to buildings and facilities each agency shall design and construct buildings meeting the Leadership in Energy and Environmental Design (LEED) silver or two green globes rating system...; and
- **Hawai'i Revised Statutes 174C-31 (g) (6):** Which requires the use of reclaimed water in 100% of State and County facilities, except for drinking and potable water uses, by December 31, 2045.

The Statewide Sustainability Branch supports carbon footprinting State buildings, measuring the embedded carbons of building materials, LEED green building and similar sustainable development rating systems, energy efficiency, and especially water efficiency; however, requests the committees consider Hawai'i's existing sustainable development statutes and sustainability targets encouraging the use of LEED green building and similar sustainable development rating systems and mandating the conversion to 100% reclaimed water in State and County facilities by 2045.

Thank you for the opportunity to testify on this measure.



HAWAII STATE ENERGY OFFICE STATE OF HAWAII

DAVID Y. IGE
GOVERNOR

SCOTT J. GLENN
CHIEF ENERGY OFFICER

235 South Beretania Street, 5th Floor, Honolulu, Hawaii 96813
Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804

Telephone:
Web:

(808) 587-3807
energy.hawaii.gov

Testimony of
SCOTT J. GLENN, Chief Energy Officer

before the
SENATE COMMITTEE ON WAYS AND MEANS

March 3, 2022
10:10 AM
State Capitol, Conference Room 211 & Videoconference

**SUPPORT
SB 2963, SD1
RELATING TO ENERGY EFFICIENCY.**

Chair Dela Cruz, Vice Chair Keith-Agaran, and Members of the Committee, the Hawai'i State Energy Office (HSEO) supports and recommends amendments to SB 2963, SD1, which establishes deadlines for all state facilities, except smaller facilities and facilities within the stadium development district, to implement cost-effective energy efficiency measures; allows the Department of Accounting and General Services to opt out of the cost-effective energy efficiency measures if a facility will be demolished within five years; directs HSEO to collect utility bill and energy usage data for state-owned buildings and to make the data publicly available; establishes a goal of achieving at least a twenty-five percent reduction in the electricity consumption of state facilities; provides that agencies that perform energy efficiency retrofitting may continue to receive appropriations for energy expenditures; and requires, where feasible and cost-effective, the design of all new state building construction to maximize energy and water efficiency, maximize energy generation potential, and use building materials that reduce the carbon footprint of the project.

The bill also directs the Office of Planning and Sustainable Development to collect water utility bills and water usage data for state-owned buildings and to make the data publicly available.

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

The objectives of energy efficiency, cost control, lower energy bills, and leading by example outlined in SB 2963, SD1, are consistent with HSEO's mission in accordance with Section 196-71(a), Hawai'i Revised Statutes. It is also consistent with the Chief Energy Officer's duties to "provide technical assistance to state and county agencies to assess and implement projects and programs related to energy conservation and efficiency, renewable energy, clean transportation, energy resiliency, and related measures."

HSEO agrees that energy efficiency is the most cost-effective way to reduce energy usage. HSEO has worked over the years and continues to work with a number of state agencies in Hawai'i that have participated, or are currently participating in, facility benchmarking, energy audits, and energy savings performance contracts. HSEO has observed that there are always more, and sometimes new, energy savings and bill reduction opportunities.

HSEO is working closely with Hawai'i Energy and state agencies to assess these opportunities to reach a target goal of 25% reduction by 2025 from a 2005 baseline year. HSEO has consistently been measuring facility electricity reduction using 2005 as the baseline year, which is consistent with the United States' baseline year in its Nationally Determined Contribution for the Paris Agreement, that Hawai'i committed to support and to "be aligned with" in Part I of [Act 32 of 2017](#).

HSEO's analysis shows since 2005, state agencies' total electricity consumption has declined by 20 percent. HSEO believes with Legislative and Administrative support, that amount can increase to 25 percent by 2025.

HSEO notes the Research & Economic Analysis Division (READ) of the Department of Business, Economic Development and Tourism (DBEDT) already collects all electric utility data for state-owned facilities, and the Hawai'i State Energy Office helps coordinate and reports on that data annually. This can also be arranged for state-owned facilities' water usage data. Therefore, HSEO recommends the following

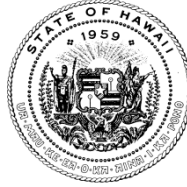
modification to SB 2963, SD1, on page 7, starting on line 1, to read: “§196-__
Electric utility bills and energy usage data; state-owned
facilities. Hawaii state energy office **and the Research &**
Economic Analysis Division (READ) at DBEDT, currently collect
and shall continue to collect all electric utility ~~bills~~ and
energy usage data for state-owned facilities monthly and shall
make this information available in a publicly accessible format.

For consistency, HSEO also recommends the following on page 14, line 7 to be
deleted from Section 225M-2, Hawai'i Revised Statutes and moved to “§196-__ D)
Collecting all water utility ~~bills~~ and water usage data for
state-owned facilities monthly and making this information
available in a publicly accessible format.

HSEO also recommends the language in this bill be made fully consistent with
the language in HB1801, HD1.

HSEO defers to the appropriate agency on the fiscal impacts and ability to
perform the water data requirements of this bill.

Thank you for the opportunity to testify.



TESTIMONY BY:

JADE T. BUTAY
DIRECTOR

Deputy Directors
ROSS M. HIGASH
EDUARDO P. MANGLALLAN
PATRICK H. MCCAIN
EDWIN H. SNIFFEN

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

February 9, 2022
3:00 PM
State Capitol, Teleconference

S.B. 2963
RELATING TO ENERGY EFFICIENCY

Senate Committee on Energy, Economic Development, and Tourism
Senate Committee on Government Operations

The Department of Transportation (DOT) **provides comments** to S.B. 2963. The bill proposes state facilities to implement cost-effective energy efficiency measures with a goal to achieve at least a twenty-five percent reduction in the electricity consumption of state facilities by 2025, from a 2005 baseline year, through the energy efficiency in state building projects. The bill also requires, where feasible and cost-effective, the design of all new state building construction to maximize energy generation, water efficiency, energy efficiency, and energy generation potential, and to use building materials that reduce the carbon footprint of the project.

DOT modal divisions have installed a variety of energy conservation measures using Energy Savings Performance Contracts (ESPC). The DOT Airports ESPC has reduced its kWh consumption by approximately 46 percent from a 2013 baseline. The DOT Harbors Division's ESPC has reduced its kWh consumption by approximately 30 percent from a 2014 baseline. The DOT Highways Division ESPC has reduced its kWh consumption by approximately 41 percent from a 2014 baseline.

Act 96, SLH 2006, already requires each agency, to the extent practicable, to design and construct state facilities meeting the Leadership in Energy and Environmental Design (LEED) Silver Certification or two green globes rating system or another comparable state-approved, nationally recognized standard or system.

The DOT Airports Division's new facilities have achieved or are on track to achieve LEED Silver Certification. In addition, the Daniel K. Inouye International Airport (HNL) has received its 5th Airport Carbon Accreditation Level 2 certification from the Airports Council International, for the calendar year 2019, recognizing HNL's reduction in energy use and carbon emission, and its ongoing commitment to sustainability. Renewal in the calendar year 2020 was deferred due to the pandemic.

The DOT Harbors Division has put together a process of pursuing sustainability vision for multiple buildings through LEED BD+C Certification. DOT Harbors Division will be able to transform the existing buildings into facilities that provide healthier spaces for its occupants, reduced demand on energy and water resources, and improved impact on the surrounding community. Preliminary review of the LEED BD+C credit scorecard for a building facility currently in the planning and scoping phase indicates that LEED Silver certification is attainable, and with additional planning and resources, LEED Gold certification is within reach.

The bill's provision of the 2005 baseline year may be a challenge as utility bills may no longer be available.

Thank you for the opportunity to provide testimony.



Before the Senate Committee on Ways and Means
Thursday, March 3, 2022 at 10:10 a.m.

Testimony in Support of SB2963 SD1: Relating to Energy Efficiency

Chair Dela Cruz, Vice Chair Keith-Agaran, and Members of the Committees:

Thank you for the opportunity to testify in support and provide comments on Senate Bill 2963 SD1.

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 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 for State facilities. As reported in the Hawai'i State Energy Office's [2021 Annual Report \(pg. 30\)](#), government agencies saw a 20.1% reduction in electricity usage for State buildings over a 2005 baseline. Plus, the State has benefitted from a successful Energy Savings Performance Contract (ESPC) program that drove a significant level of energy savings projects between 2009 and 2015.

However, ESPC procurements have significantly dropped since 2015, due to a number of potential factors, including previously completed projects and other non-energy priorities among others. With advances in technologies that increase efficiency coupled with the number of buildings that are still largely inefficient, opportunity remains for further improvement. ESPCs have demonstrated the ability to help the State save money without any capital budget allocation, which is now more important than ever.

This bill requires the State agencies to implement cost-effective energy efficiency measures, meaning that the savings will be greater than the cost of upgrade. Given Hawai'i has the highest energy rates in the country, energy efficiency can deliver significant cost savings which need to be harvested during these challenging budgetary times. Upgrades that cannot pay for themselves do not need to be implemented, ensuring fiscal responsibility.

Tackling energy use at state facilities will take time, manpower, and, in some instances, funding. State agencies have the flexibility to implement energy efficiency measures through ESPC, but it could also be funded through the Green Energy Market Securitization (GEMS) so that no upfront capital is required. The legislation does not limit state agencies from also funding the upgrades through capital improvement budgets if that is preferred. With increased federal funding for energy efficiency and green banks, there isn't a better time for the State to move forward.

We appreciate the efforts made by the State Legislature, the Hawai'i State Energy Office and other State agencies, and various stakeholders to improve on the 2021 version. Thank you for the opportunity to testify in support of Senate Bill 2963 SD1.

Sincerely,
Brian Kealoha
Executive Director
Hawai'i Energy



Email: communications@ulupono.com

SENATE COMMITTEE ON WAYS & MEANS
Thursday, March 3, 2022 — 10:10 a.m.

Ulupono Initiative supports SB 2963 SD 1, Relating to Energy Efficiency.

Dear Chair Dela Cruz and Members of the Committee:

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

Ulupono supports SB 2963 SD 1, which requires and establishes deadlines for state facilities, except smaller facilities and facilities within the stadium development district, to implement cost-effective energy efficiency measures; allows the Department of Accounting and General Services to opt out of the cost-effective energy efficiency measures if a facility will be demolished within five years; directs the Hawai'i State Energy Office to collect electric utility bill and energy usage data for state-owned buildings and to make the data publicly available; establishes a goal for the State to achieve at least a twenty-five per cent reduction in the electricity consumption of state facilities; provides that certain agencies that perform energy efficiency retrofitting may continue to receive appropriations for energy expenditures; and, beginning 7/1/2023, requires, where feasible and cost-effective, the design of all new state building construction to maximize energy and water efficiency, maximize energy generation potential, and use building materials that reduce the carbon footprint of the project.

Ulupono supports energy efficiency measures to lower consumption across the State. As Hawai'i's energy issues become increasingly complex and challenging, we appreciate this committee's efforts to look at policies that reduce the State's overall energy demand, which in return should save the State, and taxpayers, money. We recommend adding in a deadline to meet the State's 25% reduction of electricity consumption goal.

Meeting the State's 100% renewable goal by 2045 will require everyone's commitment and it is important for the State government to lead the way.

Thank you for the opportunity to testify.

Respectfully,

Micah Munekata
Director of Government Affairs

Investing in a Sustainable Hawai'i



To: The Senate Committee on Ways and Means
From: Sherry Pollack, 350Hawaii.org
Date: Thursday, March 3, 2022, 10:10am

In support of SB2963 SD1

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and Committee members of Ways and Means,

I am Co-Founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. 350Hawaii.org **supports SB2963 SD1** that would reduce the taxpayer burden of state energy bills and decrease our carbon emissions.

One of the areas where the State can **lead in reducing greenhouse gas emissions** while at the same time **maximizing savings of taxpayer dollars**, is by installing energy efficient equipment and taking energy efficiency measures at State facilities. This bill would establish a goal of reducing electricity consumption at State facilities by at least 25%. For State building construction design, it would require, where reasonable and cost effective, maximizing energy and water efficiency, maximizing energy generation potential, and using building materials that reduce the carbon footprint of the project. With respect to building materials, we strongly urge that plant-based products such as industrial hempcrete and structural bamboo be considered to replace carbon-intensive materials such as concrete and steel.

This plan will help in reducing greenhouse gases and addressing our existential climate crisis while saving taxpayers money via energy efficiency.

However, to better ensure that this measure can fulfill its purpose, we respectfully offer an amendment for your consideration. We suggest a modification to the part of the bill that “establishes the State to achieve at least a 25% reduction in the electricity consumption of state facilities.” We feel it should be higher, up to 35%, which is still reasonable and attainable. The recent IPCC report has made clear we need to be much more ambitious and robust in our actions to decarbonize our economies if we are to have a bright future on our planet. Bottomline: We must step up our efforts.

If we are to solve the climate crisis, it will require **all of us** working together. The State can and should be a leader towards a safe and sustainable climate and future. Reducing our greenhouse gas emissions through energy efficiency is an effective means to put us on track to achieve this goal.

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

Sherry Pollack
Co-Founder, 350Hawaii.org



SENATE COMMITTEE ON WAYS AND MEANS

March 3, 2022, 10:10 A.M.

Video Conference

TESTIMONY IN SUPPORT OF SB 2963 SD1, WITH SUGGESTED AMENDMENTS

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and members of the Committee:

Blue Planet Foundation **supports SB 2963**, an important energy efficiency measure that will reduce the taxpayer burden of state energy bills, create new jobs in clean energy, and decrease our carbon emissions. What's more, passing this measure will demonstrate that the State of Hawai'i leads by example. We offer suggested amendments at the end of this testimony.

Senate Bill 2963 Is Needed Today

Energy efficiency is foundational to achieve Hawai'i's critical clean energy and climate objectives, such as the state's 100% renewable energy requirement, carbon neutrality goal, and commitments to the Paris climate targets. Senate Bill 2963 amplifies existing state efficiency efforts and brings renewed focus to the successful Energy Savings Performance Contract program. The measure also brings needed transparency on state building energy use to make visible even more savings opportunities. Finally, SB 2963 ensures that new construction anticipates our future energy and climate goals by maximizing feasible and cost-effective energy efficiency and energy generation design features and using building materials that reduce the carbon footprint of the project.

While the state has made some strides toward energy efficiency, considerable opportunities remain to decarbonize state buildings and reduce energy costs for taxpayers. The facilities that the State of Hawai'i owns and/or manages comprise one of the largest electricity users in the state. While the use of energy savings performance contracting—mainly during the period between 2009 and 2014—helped some agencies reduce their energy consumption, many agencies did not participate. Since that time, technology has evolved significantly and is far more efficient, resulting in greater cost-saving benefits for the state.

HRS 196-19 states “Agencies shall retire inefficient equipment on an accelerated basis where replacement results in lower life-cycle costs.” Instead, the State continues to utilize old and inefficient equipment in many facilities that do not meet this requirement and waste taxpayer money. Senate Bill 2963 would help to identify new energy savings opportunities and revitalize the successful performance contracting program.

info@blueplanetfoundation.org

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

Suggested Amendments

Blue Planet respectfully proposes two amendments to Section 2:

- (1) **Restore the implementation dates from the original version of the bill**, i.e. requiring state facilities that have not recently implemented cost-effective efficiency measures to do so by 2023 and all others by 2025, rather than delaying implementation by more than half a decade (to 2028 and 2030, as proposed in the SD1 version). **If Hawai'i hopes to achieve its vision of a carbon negative economy by 2045, we must ensure we are taking action to reduce emissions now and that our state-level goals put us on track to actually achieve that vision.**

- (2) **Increase the percentage goal for reduction of electricity consumption of state facilities from 25% to at least 30%.** State agencies have already reduced energy consumption roughly 20.1% since 2005.¹ A more ambitious—yet reasonable and still attainable—goal will ensure that deeper energy efficiency upgrades and their associated cost savings for taxpayers are pursued, rather than merely “checking the box” on the lowest hanging fruit.

Conclusion

Senate Bill 2963 is a keystone energy efficiency measure that will reduce the taxpayer burden of state energy bills, create new jobs in clean energy, and decrease our carbon emissions. At its core, however, SB 2963 is about more than just operating efficient buildings. This **measure is a promise that the state will lead by example** and serve as a model for residents and the private sector for our clean energy transformation.

Thank you for the opportunity to provide testimony.

¹ See *Hawaii State Energy Office 2021 Annual Report*, at 30, https://energy.hawaii.gov/wp-content/uploads/2022/01/HSEO_2021_Annual_Report_1.4-3.pdf

SB-2963-SD-1

Submitted on: 2/28/2022 11:16:02 PM

Testimony for WAM on 3/3/2022 10:10:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Amy Brinker	Individual	Support	No

Comments:

Support

SB 2963 SD 1 TESTIMONY

To: Senate Committee on Ways and Means
Hearing on March 3, 2022 at 10:10 a.m.

From: John Kawamoto

Position: Support

“Once [carbon dioxide is] added to the atmosphere, it hangs around, for a long time: between 300 to 1,000 years,” according to [NASA](#). Carbon dioxide that has been emitted into the atmosphere since the beginning of the Industrial Revolution is still warming the Earth. Carbon dioxide that is being emitted today will warm the Earth for hundreds of years. What we do now -- and what we don’t do -- will impact the climate for many generations.

We must adopt a multi-faceted strategy to mitigate climate change. One element of that strategy is to make buildings more energy efficient since buildings typically use substantial amounts of energy.

Buildings must become more energy efficient, and this bill makes State government a leader in this effort.

SB-2963-SD-1

Submitted on: 3/1/2022 10:39:50 AM

Testimony for WAM on 3/3/2022 10:10:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Noel Morin	Individual	Support	No

Comments:

Dear Chair Dela Cruz, Vice-Chair Keith-Agaran, and committee,

I support SB 2963 SD1.

We must optimize energy usage - we cannot afford to waste.

Noel Morin - Hilo

SB-2963-SD-1

Submitted on: 3/1/2022 11:16:55 AM

Testimony for WAM on 3/3/2022 10:10:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Denise Boisvert	Individual	Support	No

Comments:

I FULLY SUPPORT SB2963.

As it is said, "*there is no time like the present*", and that definitely applies to thinking about the future!

Please pass this bill.

SB-2963-SD-1

Submitted on: 3/1/2022 11:21:04 AM

Testimony for WAM on 3/3/2022 10:10:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Kim Jorgensen	Individual	Support	No

Comments:

Please pass SB2963 SD1. I am in FULLY SUPPORT of it because time is flying and there is not a minute to waste when it comes to planning for the success of Hawai'i's clean energy goals and future. Mahalo.

SB-2963-SD-1

Submitted on: 3/1/2022 12:47:47 PM

Testimony for WAM on 3/3/2022 10:10:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
WANDA K ANAE-ONISHI	Individual	Support	No

Comments:

Dear Chair, Vice Chair, and committee members,

My name is Wanda Anae-Onishi, resident of Oahu. I support SB2963 SD1, relating to the implementation of cost-effective energy efficiency measures for state facilities. State buildings are one of the biggest energy users in our state, contributing to the adverse effects of climate change. Ocean levels are rising due to climate change. As an island state, we need to take preventive measures that reduce our carbon emissions. This bill is one of those measures that would change the trajectory. I urge you to support SB2963. Mahalo for the opportunity to testify.

Wanda Anae-Onishi

SB-2963-SD-1

Submitted on: 3/1/2022 12:56:02 PM

Testimony for WAM on 3/3/2022 10:10:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Gerrit B Osborne	Individual	Support	No

Comments:

Leadership begins at the top, and YOU are at "the top"!

Technology is rapidly expanding the opportunities for increased energy efficiency everywhere within our community, State facilities included. The State must immediately do everything reasonable to reduce energy consumption with the goal of impacting climate change.

The words "when feasible and cost-effective" should be removed from the statement about the design of new state buildings: they **MUST** be designed "...to maximize energy and water efficiency, maximize energy generation potential, and use building materials that reduce the carbon footprint of the project" without exception.

SB-2963-SD-1

Submitted on: 3/1/2022 1:34:56 PM

Testimony for WAM on 3/3/2022 10:10:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Michael Koster	Individual	Support	No

Comments:

Common sense dictates that we must fight Climate Change with a diligence we have not yet achieved. Energy efficiency is the low hanging fruit, a critical component in reaching our 100% clean energy requirement. State buildings are one of the largest consumers of electricity in Hawai'i, and this is unacceptable. It also sends the wrong message about the sincerity and competence of state government.

I urge you to pass this bill and all future measures to make our state energy efficient and resilient.

SB-2963-SD-1

Submitted on: 3/1/2022 5:13:57 PM

Testimony for WAM on 3/3/2022 10:10:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Gerard Silva	Individual	Oppose	No

Comments:

We do not need this. It is a Complet wast of time and Money!!

SB-2963-SD-1

Submitted on: 3/1/2022 10:23:25 PM

Testimony for WAM on 3/3/2022 10:10:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
B.A. McClintock	Individual	Support	No

Comments:

Please support this important bill. State buildings are one of the largest electricity users in our islands. If Hawai'i hopes to achieve its 100% clean energy goal by 2045, we must embrace opportunities to reduce emissions and lower energy consumption now. It's time for new policy to direct the state to put energy efficiency to work reducing emissions, saving money, and creating jobs.

This measure will demonstrate that the State of Hawai'i will lead by example to change our energy culture.

SB-2963-SD-1

Submitted on: 3/2/2022 12:47:48 AM

Testimony for WAM on 3/3/2022 10:10:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Janet L Pappas	Individual	Support	No

Comments:

Dear WAM Chair Dela Cruz, Vice Chair Keith-Agaran and WAM committee members,

We must not lose any more time in passing a bill to make our State buildings more energy efficient. Bill SB2963 SD1 does just that. As a state that prides itself on becoming energy efficient by 2045, we must be a leader in reaching our clean energy goals.

Hawaii's State buildings are a major user of fossil fuels which result in higher greenhouse gas emissions. The cost to taxpayers and the environment is tremendous and growing. We can cut costs AND be energy efficient AND put Hawaii citizens to work AND set an example for private industry all at the same time.

Please don't wait to make such a monumental change. Delay only makes it more difficult and more expensive.

Support SB2963 SD1 this session. Thank you for listening.

Sincerely,

Jan Pappas

Aiea, Hawaii 96701

SB-2963-SD-1

Submitted on: 3/2/2022 7:59:13 AM

Testimony for WAM on 3/3/2022 10:10:00 AM

Submitted By	Organization	Testifier Position	Remote Testimony Requested
Roy Skaggs	Individual	Support	No

Comments:

Mahalo for the opportunity to present written testimony. Hawai'i was the first in the nation to pass a 100% clean energy mandate, and we need energy efficiency to help us get there. The State should lead by example on reducing greenhouse gas emissions. Embracing energy efficiency measures is an important part of addressing climate change, the effects of which are already here. State energy efficiency projects will create jobs while Hawai'i continues to recover from the effects of the pandemic. The energy and economic savings from these energy efficiency measures are a win for the state, the taxpayers, and our climate. I support SB2963.