



HAWAII STATE ENERGY OFFICE STATE OF HAWAII

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DAVID Y. IGE
GOVERNOR

SCOTT J. GLENN
CHIEF ENERGY OFFICER

Testimony of
SCOTT J. GLENN, Chief Energy Officer

before the
HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE

Wednesday, March 24, 2021
2:00 PM
State Capitol, Conference Room 329 and Videoconference

In SUPPORT of
SB 243, SD2 HD1
RELATING TO RENEWABLE ENERGY.

Chair Johanson, Vice Chair Kitagawa, and Members of the Committee, the Hawai'i State Energy Office (HSEO) supports SB 243, SD2 HD1, which requires HSEO to develop a strategic plan that outlines benchmarks to meet the requirements of section 225P-5, Hawaii Revised Statutes (HRS), in establishing a resilient, clean energy, decarbonized economy as quickly as practicable but no later than 2045.

HSEO agrees that incorporating Hawai'i's Renewable Portfolio Standards, Energy Efficiency Portfolio Standards, transportation energy objectives, and the clean economy target into an integrated, up-to-date strategy is appropriate, and that preparation of this strategy is consistent with HSEO's established mission, codified in Section 196-71, Hawai'i Revised Statutes (HRS):

...The purpose of the Hawaii state energy office shall be to promote energy efficiency, renewable energy, and clean transportation to help achieve a resilient clean energy economy.

(b) The Hawaii state energy office shall:

- (1) Provide analysis and planning to actively develop and inform policies to achieve energy efficiency, renewable energy, energy resiliency, and clean transportation goals with the legislature, public utilities commission, state agencies, and other relevant stakeholders...

HSEO also appreciates the evaluation and quantification to be provided by the Hawai'i Natural Energy Institute (HNEI), proposed in section 3 of the bill, as HNEI is well-suited to analyze and validate the feasibility of suggested strategies. HSEO notes that HNEI already conducts a feasibility analysis every five years on the ability of the utilities to meet the State's Renewable Portfolio Standards and Energy Efficiency Portfolio Standards.

HSEO acknowledges that the proposed due date of the analyses in December 2022, prior to the start of the 2023 Legislative Session, would allow all involved in this effort to make use of at least a portion of the significant work that is currently underway. According to the most recent Integrated Grid Planning update, a new integrated system plan is expected by January 2023. The deadline in SB 243, SD2 HD1 allows for the opportunity to include the proceedings and draft results of the Integrated Grid Planning process in such a strategy, although the final results would not be ready in time for the deadline.

HSEO appreciates that the preamble, purpose statement, and scope of SB 243 were revised for consistency in HD1.

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

Thank you for the opportunity to testify.



UNIVERSITY OF HAWAII SYSTEM

Legislative Testimony

Testimony Presented Before the
House Committee on Consumer Protection and Commerce
Wednesday, March 24, 2021 at 2:00 p.m.

By

Richard Rocheleau, Director
Hawai'i Natural Energy Institute
University of Hawai'i at Mānoa

SB 243 SD2 HD1 – RELATING TO RENEWABLE ENERGY

Chair Johanson, Vice Chair Kitagawa, and members of the Committee:

The Hawai'i Natural Energy Institute (HNEI) support SB 243 SD2 HD1, requiring the Hawai'i State Energy Office to develop a strategic plan that identifies strategies to achieve a resilient, clean energy, decarbonized economy as quickly as practicable; and, the HNEI to conduct a feasibility study of the strategic plan and to submit its findings and recommendations to the Legislature.

HNEI looks forward to supporting the Hawai'i State Energy Office in this important effort.

Thank you for the opportunity to provide this written testimony on SB 243 SD2 HD1



AMERICANS FOR DEMOCRATIC ACTION

OFFICERS	DIRECTORS		MAILING ADDRESS	
John Bickel, President	Melodie Aduja	John Miller	Bill South	P.O. Box 23404
Alan Burdick, Vice President	Juliet Begley	Jenny Nomura	Zahava Zaidoff	Honolulu
Dave Nagajji, Treasurer	Stephanie Fitzpatrick	Stephen O'Harrow		Hawaii 96823
Doug Pyle, Secretary	Jan Lubin	Lyn Pyle		

March 22, 2021

TO: Chair Johanson and members of CPC Committee

RE: SB 243 SD2 HD1 Relating to Renewable Energy

Support for hearing on March 24

Americans for Democratic Action is an organization founded in the 1950s by leading supporters of the New Deal and led by Patsy Mink in the 1970s. We are devoted to the promotion of progressive public policies.

We support SB 243 SD2 HD1 as it would develop a plan that identifies strategies to achieve a resilient, clean energy, decarbonized economy as quickly as practicable and to submit the strategic plan to the Legislature no later than twenty days prior to the convening of the Regular Session of 2023

Environmental protection has been an increasing concern of government. With climate change that path will likely continue or accelerate We will need resources and commitment to make a positive difference. We appreciate the strategic plan proposed in this bill.

Thank you for your favorable consideration.

Sincerely,
John Bickel, President



SB-243-HD-1

Submitted on: 3/22/2021 8:52:28 PM

Testimony for CPC on 3/24/2021 2:00:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Ted Bohlen	Climate Protectors Hawai'i	Support	No

Comments:

To: The Honorable Aaron Ling Johanson, Chair,

The Honorable Lisa Kitagawa, Vice Chair, and Members of the

House Committee on Consumer Protection and Commerce

From: Climate Protectors Hawai'i

RE: SB243 SD2 HD1 RELATING TO RENEWABLE ENERGY

Hearing Date: Wednesday, March 24, 2021, 2:00 pm, by videoconference

Aloha Chair Johanson, Vice Chair Kitagawa, and Consumer Protection and Commerce Committee members:

The Climate Protectors Hawai'i is a group focused on reversing the climate crisis and encouraging Hawai'i to lead the world towards a safe and sustainable climate and future. The Climate Protectors Hawai'i **STRONGLY SUPPORTS SB243 SD2 HD1!**

As a tropical island State, Hawai'i will be among the first places harmed by the global climate crisis, with more intense storms, loss of protective coral reefs, food insecurity, and rising sea levels destroying our shorelines. We must do all we can to reduce our carbon footprint and become carbon negative as soon as possible. The planet faces an existential climate crisis and we must act now! Scientists have made clear that we are part of the last generation that can stop or at least mitigate the devastating impacts of climate change. If we are to solve the climate crisis, it will require all of us working together. The sooner we inspire others to take action and lead by example, the better off the future will be for our children.

SB243 SD1 HD1 requires the Hawaii State Energy Office to establish a strategic plan that identifies strategies to achieve a resilient, clean energy, decarbonized economy as quickly as practicable but no later than 2045, consider lifecycle emissions related to out-of-state transportation and supply chains. The strategic plan shall identify benchmarks

that are quantitatively and qualitatively measurable and metrics to determine progress toward attaining the goal of the zero emissions clean economy target.

(c) The Hawaii state energy office shall submit its strategic plan, including proposed strategies, benchmarks, and metrics, and any proposed legislation, to the legislature no later than twenty days prior to the convening of the regular session of 2023.

The Hawaii natural energy institute of the University of Hawaii shall conduct a feasibility study of the Hawaii state energy office's strategic plan pursuant to section 2 of this Act, including an analysis of the cost savings and benefits achieved to-date to ratepayers and citizens of Hawaii's energy goals as set forth in sections 269-92 and 269-96, Hawaii Revised Statutes.

The bill also specifies that the Hawaii Natural Energy Institute shall conduct a feasibility study of the Hawaii State Energy Office's strategic plan, rather than on the State's ability to achieve its goal of producing one hundred percent of the State's electricity from renewable energy sources by 2045. HNEI is well-suited to analyze and validate the feasibility of such strategies. HNEI already conducts a feasibility analysis every five years on the ability of the utilities to meet the State's renewable portfolio standards (RPS) and various technical studies on barriers to achieving the RPS. Both the strategic plan and the renewable energy feasibility study shall be submitted to the Legislature prior to the legislative session of 2023.

The Climate Protectors Hawaii agrees that an updated energy strategy is vital in order to achieve our carbon negative and RPS goals. But, **the Climate Protectors propose an amendment to SB243 SD1 HD1:**

The HNEI and HSEO should also consider and **recommend what additional strategies would be needed to achieve the zero emission and carbon negative goals earlier than 2045, because 2045 is too late!** Recent information from climate scientists on carbon feedback loops and other information released since the Legislature set the "as soon as possible and not later than 2045" deadline shows that the situation is more dire than was realized even a few years ago. To avoid a climate calamity here in Hawaii, **we must do more to achieve our goals sooner than 2045!** Recommending such additional strategies would not commit the State to those additional acts, but it would be prudent for the State to have those recommendations in light of the latest scientific information.

The Climate Protectors Hawai'i **SUPPORT passage of SB243 SD1 HD1 with the proposed amendment that the HNEI and HSEO should also consider and recommend what additional strategies would be needed to achieve the zero emission and carbon negative goals earlier than 2045.**

Mahalo!

Climate Protectors Hawai'i (by Ted Bohlen)



SB 243, SD 2, HD 1, RELATING TO RENEWABLE ENERGY

MARCH 23, 2021 · HOUSE CONSUMER PROTECTION
AND COMMERCE COMMITTEE AARON LING
JOHANSON

POSITION: Support.

RATIONALE: Imua Alliance supports SB 243, SD 2, HD 1, relating to renewable energy, which requires the Hawai'i State Energy Office to develop a strategic plan that identifies strategies to achieve a resilient, clean energy, decarbonized economy as quickly as practicable and to submit the strategic plan to the Legislature no later than twenty days prior to the convening of the Regular Session of 2023; and requires the Hawai'i Natural Energy Institute to conduct a feasibility study of the strategic plan and submit its findings and recommendations to the Legislature no later than twenty days prior to the convening of the Regular Sessions of 2023, 2028, 2033, 2043, and 2048.

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, like seawalls.

Furthermore, according to research conducted by Michael B. Gerrard from Columbia Law School, modern-day slavery tends to increase after natural disasters or conflicts where large numbers of people are displaced from their homes. In the decades to come, says Gerrard, **climate change will very likely lead to a significant increase in the number of people who are displaced and, thus vulnerable, to human trafficking.** While the Paris Climate Agreement of 2015 established objectives to limit global temperature increases and several international agreements are aimed at combating modern-day slavery, it is highly uncertain whether they will be adequate to cope with the scale of the problem that is likely to occur as a result of climate change.

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.

Therefore, our state should take steps to hastily transition to a clean energy economy, including by developing a strategic plan that maps out that transition for both the public and private sectors. Clean energy is one of the primary industries through which we may diversify our state's economy to boost Hawai'i's fiscal and ecological resilience, while providing essential protections for our planet that will, hopefully, stave off the worst effects of climate change on our shores. For the sake of our keiki, we cannot afford to wait to create strategies to preserve our island home.

Kris Coffield · Executive Director, Imua Alliance · (808) 679-7454 · kris@imuaalliance.org



Environmental Caucus of The Democratic Party of Hawai'i

Tuesday, March 24, 2021, 2:00 pm

House Committee on Consumer Protection and Commerce

SENATE BILL 243 – RELATING TO RENEWABLE ENERGY: Hawaii Natural Energy Institute 100% renewable energy portfolio

Position: Support, with additional recommendations

Me ke Aloha, Chair Aaron Johanson, Vice-Chair Lisa Kitagawa, and Members of the Committee on Consumer Protection and Commerce:

Senate Bill 243 acknowledges the lack of a strategic plan to achieve the state energy goals of 100 % renewable energy by 2045, and requires the collaboration between the State Energy Office and the Hawaii Natural Energy Lab. The Energy and Climate Action Committee of the Environmental Caucus of the Democratic Party is in full support of better strategic planning for this momentous effort. Our Committee also appreciates the vetting of this strategy with all hands on deck, and to press for earlier achievement in every way possible.

Our Committee anticipates new crises to push the consciousness of the nation and the people of Hawaii to an urgent pace for this transition. With commitments coming from the national and international level, we anticipate new technologies and higher standards to emerge in the next few years, to challenge us with greater capacity and agility to implement such an ambitious agenda. We imagine unforeseen difficulties but believe that a much earlier goal of 2035 is actually more appropriate, upon looking at the realities presented by the international scientific community, which has struggled to avoid being alarmist even while noting alarming results of study and projected futures.

Mahalo for the opportunity to address this important issue.

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



Email: communications@ulupono.com

HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE
Wednesday, March 24, 2021 — 2:00 p.m.

Ulupono Initiative supports the intent of SB 243 SD 2 HD 1, Relating to Renewable Energy.

Dear Chair Johanson 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 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 the intent of SB 243 SD 2 HD 1, which requires the Hawai'i State Energy Office (HSEO) to develop a strategic plan that identifies strategies to achieve a resilient, clean energy, decarbonized economy as quickly as practicable and to submit the strategic plan to the Legislature no later than twenty days prior to the convening of the Regular Session of 2023. Requires the Hawai'i Natural Energy Institute (HNEI) to conduct a feasibility study of the strategic plan and to submit its findings and recommendations to the Legislature no later than twenty days prior to the convening of the Regular Sessions of 2023, 2028, 2033, 2043, and 2048.

We note that Hawaiian Electric, along with a diverse group of stakeholders, is presently engaged in long-term strategic planning in the Integrated Grid Planning docket (IGP). The intent of this proceeding is to identify pathways to 100 percent renewable energy that provide an optimized portfolio of resources that meet the needs of customers and Hawai'i's electric system. As Hawai'i is the first state to take this approach to electric system planning, the participation and commitment from interested stakeholders, especially Department of Business, Economic Development and Tourism (DBEDT) and HSEO, is most welcomed. A central feature of the IGP proceeding is the high level of stakeholder involvement and participation, which consists of technical experts, community organizations, and a number of state entities, including the Consumer Advocate and the Public Utilities Commission. It would be in the State's interest if DBEDT and HSEO contributed to this proceeding to ensure the planning process is aligned with their needs and expectations. We further note that HNEI is already involved in the IGP proceeding, serving as one of the members of the IGP's Technical Advisory Panel (TAP). The purpose of

Investing in a Sustainable Hawai'i



the TAP is to provide an independent technical assessment of the process, methods, and results of the IGP. However, 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. It is important for the State to develop a plan with benchmarks, and determine ways in which the State can facilitate the achievement of this critical goal. Therefore, it may still be of value for DBEDT and HSEO to also conduct an independent strategic plan if the department/agency does not find the outcome of the IGP effort to be satisfactory.

Ulupono supports this bill as it attempts to identify the way in which the State will achieve its renewable energy goals by 2045.

Thank you for this opportunity to testify.

Respectfully,

Micah Munekata
Director of Government Affairs



Testimony of Kimo Haynes,
President of the Hawaii Petroleum Marketers Association

SENATE BILL 243 SD2 HD1, RELATING TO RENEWABLE ENERGY

House Committee on Consumer Protection & Commerce
The Honorable Aaron Ling Johanson, Chair
The Honorable Lisa Kitagawa, Vice Chair
Wednesday, March 24, 2021 at 2:00 p.m.

Chair Johanson and Vice Chair Kitagawa, and members of the Committee on Consumer Protection & Commerce:

I am Kimo Haynes, president of the Hawaii Petroleum Marketers Association (“HPMA”). HPMA is a non-profit trade association comprised of members who directly market liquid fuel products throughout the Hawaiian Islands. Our membership includes individuals and companies who operate as independent marketers, jobbers or distributors of petroleum products and who buy liquid fuel products at the wholesale level and sell or distribute products to retail customers, other wholesalers, and other bulk consumers.

The purpose of Senate Bill 243 SD2 HD1 is to require the Hawaii State Energy Office to develop a strategic plan that identifies strategies to achieve a resilient, clean energy, decarbonized economy as quickly as practicable but no later than 2045, and to submit the strategic plan to the Legislature no later than twenty days prior to the convening of the Regular Session of 2023. Senate Bill 243 SD2 HD1 also requires the Hawaii Natural Energy Institute to conduct a feasibility study of the strategic plan and to submit its findings and recommendations to the Legislature no later than twenty days prior to the convening of the Regular Sessions of 2023, 2028, 2033, 2043, and 2048.

HPMA SUPPORTS SB243 SD2 HD1.

SB 243 SD2 HD1 acknowledges that no strategic plan currently exists in Hawaii for the attainment of these goals, and would require the Hawaii State Energy Office to develop a strategic plan and The Hawaii Natural Energy Institute of the University of Hawaii to conduct a feasibility study of the strategic plan in order to establish incremental goals and targets to achieve one hundred percent renewable energy portfolio standard in Hawaii, as well as a zero emissions clean economy target.

The energy sector is committed to helping the state develop a strategic plan with specific goals and targets needed to reach these goals, and will continue to partner with the state to support the energy transition and renewables mandate by 2045. HPMA asks to be included in the strategic planning, and will work with the state and all stakeholders to make smart, data and science-based decisions during the energy transition to reach the zero emissions clean economy target set forth in section 225P-5 of the Hawaii Revised Statutes.

Thank you for allowing HPMA the opportunity to submit testimony in support of this bill.

SUPPORT FOR SB243

I am writing on behalf of the Kauai Climate Action Coalition to support SB243 Relating to Renewable Energy.

It is extremely important that a strategic plan that identifies strategies to achieve a resilient, clean energy, decarbonized economy happen as quickly as possible. The climate crisis is here NOW, not some day in the future. Therefore, there must not be just a plan, the plan must be enacted. Hawaii Natural Energy Institute is the appropriate body to conduct a feasibility study of the plan. However, since according to scientists we need to be carbon neutral by 2030 to avoid disastrous effects, the plan must be created, analyzed, and acted upon as quickly as possible. A plan created too late or not implemented quickly enough serves no purpose. For the sake of our children, for our islands, and the economy please support SB243.

Mahalo,

Helen A. Cox, Chair

Kauai Climate Action Coalition



**Hawaiian
Electric**

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

S.B. 243 S.D. 2 H.D. 1

Relating to Renewable Energy

Tuesday, March 24, 2021
2:00 pm, Agenda Item #4
State Capitol, Conference Room 329

Marc Asano
Director, Integrated Grid Planning
Hawaiian Electric

Chair Johanson, Vice Chair Kitagawa, and Members of the Committee:

My name is Marc Asano and I am testifying on behalf of Hawaiian Electric **in support of S.B. 243, S.D. 2 H.D. 1**, Relating to Renewable Energy. The bill requires the Hawaii State Energy Office to develop a strategic plan that identifies strategies to achieve a resilient, clean energy, decarbonized economy and requires the Hawaii Natural Energy Institute to conduct a feasibility study of the strategic plan.

Hawaiian Electric appreciates the amendments made to this bill to consider a strategic plan that considers broader decarbonization goals and not just renewable energy in the electricity sector. The Committee should consider that the intent of the strategic plan more explicitly consider decarbonization of all sectors, not just transportation and electricity; for example, industrial, large commercial, and customer usage.

Hawaiian Electric welcomes the opportunity to be an active stakeholder in the State Energy Office's strategic plan development as well as the Hawaii Natural Energy Institute's feasibility study to ensure alignment with Hawaiian Electric's Integrated Grid

Planning process and plans, for which, the Public Utilities Commission is currently overseeing, and both the State Energy Office and Hawaii Natural Energy Institute have been active participants of and valuable contributors to. Hawaiian Electric's Integrated Grid Plans will chart the near- and long-term path to achieving 100 percent renewable energy.

Hawaiian Electric supports S.B. 243, S.D. 2. H.D.1. Thank you for this opportunity to testify.

SB-243-HD-1

Submitted on: 3/23/2021 1:33:57 PM

Testimony for CPC on 3/24/2021 2:00:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
laurel brier	Kauai women's caucus	Support	No

Comments:

Support carbon neutrality but please note the hard science which says we need to be carbon neutral by 2030 and serious drawdown.



Environmental Caucus of The Democratic Party of Hawai'i

March 24, 2021

To: House Committee on Consumer Protection & Commerce
Representative Aaron Ling Johanson, Chair
Representative Lisa Kitagawa, Vice Chair, and
Members of the Committee on Consumer Protection & Commerce

Re: SB243, SD2, HD1 – RELATING TO RENEWABLE ENERGY

Hearing: Wednesday, March 24, 2021, 2:00 p.m., Room 329 via videoconference

Position: **SUPPORT**

Aloha Chair Johanson, Vice Chair Kitagawa, and Members of the Committee on Consumer Protection & Commerce:

The Environmental Caucus of the Democratic Party of Hawai'i and its Natural Resources Committee and Human Environmental Impacts Committee stands in SUPPORT of SB243, SD2, HD1, as it requires the Hawaii State Energy Office to develop a strategic plan that identifies strategies to achieve a resilient, clean energy, decarbonized economy as quickly as practicable and to submit the strategic plan to the Legislature no later than twenty days prior to the convening of the Regular Session of 2023. It further requires the Hawaii National energy Institute to conduct a feasibility study of the strategic plan and to submit its findings and recommendations to the Legislature no later than twenty days prior to the convening of the Regular Sessions of 2023, 2028, 2033, 2043, and 2048.

The Democratic Party of Hawai'i (Party) has adopted at its 2018 State Convention, clear safeguards to protect the *'āina* through combating climate change by eliminating fossil fuels through electrification. At page 18 of the Party Platform, it specifically provides:

“We are committed to getting 100 percent of our electricity from clean energy sources within a decade. . . . We will transform Hawai'i's transportation by reducing fossil fuel consumption through cleaner fuels, vehicle electrification, and increasing the fuel efficiency of cars, boilers, ships, and trucks. We will make new investments in public transportation and build bicycle and pedestrian infrastructure across our urban and suburban areas. . . .

Democrats are committed to defending, implementing and extending smart pollution and efficiency standards and fuel economy standards for automobiles and heavy-duty vehicles building



March 24, 2021

Page 2

codes and appliance standards. We are also committed to expanding clean energy research and development.

We will work to expand access to cost-saving renewable energy by low-income households, create good-paying jobs in communities that struggled with energy poverty, and oppose efforts by utilities to limit consumer choice or slow clean energy deployment. We will streamline State permitting to accelerate the construction of new transmission lines to get low-cost renewable energy to market, and incentivize wind, solar, and other renewable energy.”

As a tropical island State, Hawai'i is among the first places harmed by the global climate crisis, with more intense storms, loss of protective coral reefs, food insecurity, and rising sea levels destroying our shorelines. We have already lost East Island during Hurricane Walaka in October 2018, which eliminated valuable habitats for the endangered Hawaiian Monk Seal, green sea turtles and nesting grounds for albatross. Rising sea levels are also eroding away low-lying islands, with several fragments of land in the Pacific vanishing in recent years. *See*, [Hawaiian island erased by powerful hurricane: 'The loss is a huge blow' | Hawaii | The Guardian](#)

Here, the Hawaii Natural Energy Institute (HNEI) of the University of Hawaii shall conduct a feasibility study of the Hawaii State Energy Office's (HSEO) strategic plan, rather than on the State's ability to achieve its goal of producing one hundred percent of the State's electricity from renewable energy sources by 2045, including an analysis of the cost savings and benefits achieved to-date to ratepayers and citizens of Hawaii's energy goals as set forth in sections 269-92 and 269-96, Hawaii Revised Statutes. HNEI is well-suited to analyze and validate the feasibility of such strategies. HNEI already conducts a feasibility analysis every five years on the ability of the utilities to meet the State's renewable portfolio standards (RPS) and various technical studies on barriers to achieving the RPS. Both the strategic plan and the renewable energy feasibility study shall be submitted to the Legislature prior to the legislative session of 2023.

This bill is supported by the 2018 Democratic Party of Hawai'i Platform; therefore, we urge you to pass this bill as it requires the Hawaii State Energy Office to develop a strategic plan that identifies strategies to achieve a resilient, clean energy, decarbonized economy as quickly as practicable and to submit the strategic plan to the Legislature no later than twenty days prior to the convening of the Regular Session of 2023. It further requires the Hawaii National energy Institute to conduct a feasibility study of the strategic plan and to submit its findings and recommendations to the Legislature no later than twenty days prior to the convening of the Regular Sessions of 2023, 2028, 2033, 2043, and 2048.

Thank you very much for the opportunity to testify on this very important issue.



March 24, 2021

Page 3

Respectfully yours,

Alan B. Burdick
Co-Chair, Environmental Caucus
Co-Chair, Natural Resources Committee
Democratic Party of Hawai'i
Email: burdick808@gmail.com

Melodie R. Aduja
Co-Chair, Environmental Caucus
Co-Chair, Human Environmental Impacts Committee
Democratic Party of Hawai'i
Email: legislativepriorities@gmail.com

SB-243-HD-1

Submitted on: 3/22/2021 11:17:29 PM

Testimony for CPC on 3/24/2021 2:00:00 PM

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

Comments:

Dear CPC ChairJohanson, CPC Vice Chair Kitagawa and CPC Committee members,

In 2015 Hawaii became the first U.S. state to mandate a total transition to renewable energy. Now, six years later, we (the State) are going to develop a plan to reach this ambitious goal.

Please garner all the help you can get, because scientists say we only have 9 years left to make a real difference in the earth's climate. I am happy to see the collaboration with the Hawaii State Energy Office, and I hope there will also be coordination with all the State offices and agencies; the Honolulu Climate Office whose first 5-year plan is nearly complete (theirs could be a starting point for the State Plan); and that we gather information from other states and countries with usable ideas for eliminating fossil fuels and sequestering greenhouse gases. Someone on the team should tune in to "How to Save a Planet", a weekly podcast on Spotify, for some great ideas on energy efficient buildings, fleet electrification and EV infrastructure, regenerative farming and lots of new energy and climate vocabulary.

All Hawaii government offices (at all levels), businesses, non-profits and the public will have to play a part to be successful in this existential endeavor. Let's waste no more time. Pass Bill SB243 SD2 HD1 and build the plan to fully transition Hawaii to renewable energy.

One caveat: Please make it a priority to complete the Plan by January 1, 2022 so that we have a full eight years to implement the plan by 2030. The longer we wait, the more we stand to lose.

Thank you for listening and for this opportunity to testify.

Sincerely,

Jan Pappas - Aiea, Hawaii

SB-243-HD-1

Submitted on: 3/23/2021 12:46:43 PM

Testimony for CPC on 3/24/2021 2:00:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
John Kawamoto	Individual	Support	No

Comments:

My name is John Kawamoto, and I support SB 243 SD 2 HD 1 with an amendment. The bill requires the State Energy Office to develop a strategic plan to attain a decarbonized economy no later than 2045.

This bill is designed to ensure that the State attains its zero emission goals. Our economy is so dependent on fossil fuels that it will take a monumental effort to ensure that we transition to 100% renewable energy.

In order to be effective, the strategic plan requires the commitment of its implementing agencies. It is critical to involve these agencies as the State Energy Office creates the strategic plan.

The bill should be amended to have the State Energy Office create a working group that includes representatives of the Governor, the County Mayors, the Department of Accounting and General Services, the Department of Business, Economic Development & Tourism, the Department of Land and Natural Resources, the Department of Health, the Department of Transportation, the Department of Agriculture, the University of Hawaii, and the Public Utilities Commission. The working groups should also include representatives from at least three non-profit community organizations and at least three environmental organizations. It would be a big working group, but it's critical for the strategic plan to be accepted by the implementing agencies and the public.

Thank you for this opportunity to testify.

SB-243-HD-1

Submitted on: 3/23/2021 2:58:04 PM

Testimony for CPC on 3/24/2021 2:00:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Ruta Jordans	Individual	Support	No

Comments:

Please make the effective date 2022! The information is available. We are in crisis mode and waiting is not an option. Please support this bill but make the effective date much sooner!

SB-243-HD-1

Submitted on: 3/23/2021 7:21:24 PM

Testimony for CPC on 3/24/2021 2:00:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Lois Crozer	Individual	Support	No

Comments:

Whatever we can do to slow down climate change, I'm all for it.