



HAWAII STATE ENERGY OFFICE STATE OF HAWAII

JOSH GREEN, M.D.
GOVERNOR

MARK B. GLICK
CHIEF ENERGY OFFICER

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Testimony of
MARK B. GLICK, Chief Energy Officer

before the
**HOUSE COMMITTEES ON
ENERGY & ENVIRONMENTAL PROTECTION
and
WATER AND LAND**

Thursday, February 2, 2023
8:30 AM

State Capitol, Conference Room 325 and Videoconference

Providing COMMENTS on
HB 195

RELATING TO RENEWABLE ENERGY.

Chairs Lowen and Ichiyama, Vice Chairs Cochran and Poepoe, and Members of the Committees, the Hawai'i State Energy Office (HSEO) offers comments on HB 195.

HSEO supports the intent to streamline the permitting of solar distributed energy resource systems and looks forward to working with county and state authorities having jurisdiction on methods to improve permitting processes, including facilitating the adoption of SolarAPP+ or a functionally equivalent online automated permitting platform.

HSEO understands SolarAPP+ has several appealing features, including its intended nation-wide availability¹ and its development by the National Renewable Energy Laboratory as well as some limitations, including, at the moment, lacking the capability to handle the addition of batteries to existing systems (a target installation under Hawaiian Electric's Battery Bonus program). We understand that this is planned to be added as a feature of Solar APP+ in the future.² It is possible that if Hawai'i jurisdictions were to use SolarAPP+, the urgency of upgrading the app to accommodate Hawai'i's needs could

¹ "Currently, 27 communities are using SolarAPP+, with over 10,270 permits issued [and] 59,350 kilowatts approved" https://solarapp.nrel.gov/adoption_at_a_glance, current as of 9/19/22.

² National Renewable Energy Laboratory. *SolarAPP+ Pilot Analysis: Performance and Impact of Instant, Online Solar Permitting*. 2022. <https://www.nrel.gov/docs/fy22osti/81603.pdf>

spur the development of the software more quickly. Another approach could be to create a requirement that is conditioned upon the availability of desired features.

It is important to ensure that Hawai'i's projects are not further delayed by diversion of time and resources from current and upcoming efforts of permitting agencies to improve processes and reduce backlogs.

HSEO recognizes that individual permitting agencies are taking steps to improve the permitting for solar photovoltaic and battery installations, such as a recent statement that the City and County of Honolulu Department of Planning and Permitting has implemented artificial intelligence (bots) in its online permitting system to automate prescreen reviews of permit plans by checking for basic formatting prior to code review by plan examiners. Kauai County's Building Permit Processing Policy prioritizes permit reviews for renewable energy projects, as well.

HSEO defers to the authorities having jurisdiction on the potential for a self-certification process for solar distributed energy resource systems.

HSEO's strategy on renewable energy deployment will be to continue to explore cost- and time-efficient approaches, tools and financial resources (including grants) to support Hawai'i's urgent and groundbreaking efforts to enable abundant, locally-available solar energy to power Hawai'i's homes, communities, and vehicles.

Thank you for the opportunity to testify on this measure.

January 31, 2023

Rep. Nicole E. Lowen, Chair
Rep. Elle Cochran, Vice Chair
Committee on Energy & Environmental Protection
Thursday, February 2, 2023
8:30 A.M.
Via Videoconference



RE: HB195 Relating to Renewable Energy (Support with Amendments)

Dear Chair Lowen, Vice Chair Cochran & Committee Members,

The Chamber of Sustainable Commerce testifies in support of HB195, which will automate the permitting of licensed contractors for solar distributed energy resource systems. As business owners who believe we can strengthen our economy without hurting employees, consumers, communities or the environment, we urge this committee to pass HB195 and allow Hawaii to recover from the backlog in permitting these vital carbon-reducing projects.

We also ask that this committee to insert language that assures the state that this automation process would not allow contractors to circumvent any environmental or cultural (HRS 6E Burial Site) safeguards, protections or obligations proscribed in statute or county ordinances.

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Michael Baldwin, President of Hawaii Unified Industries, LLC. As a local contractor, the delays we face in obtaining permits are an extreme detriment to the health of local businesses, the local economy, and the livelihood of the citizens of Oahu. I strongly believe that instituting the proposed measures will give valuable time and resources back to the City and County to continue to tackle other obstacles that delay progress on construction projects in general. Finding areas where the City and County can simplify and streamline processes provides more time for already understaffed departments to implement new strategies and make changes, while also making progress.

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;
2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;
3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)
4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and
5. carving out residential solar DERs from HRS 464 requirements.

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future.

Sincerely,



Michael Baldwin

President

Hawaii Unified Industries, LLC

HB-195

Submitted on: 1/31/2023 2:29:01 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Tiffany Spray	Hawaii Unified Industries, LLC	Support	Written Testimony Only

Comments:

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members

My name is Tiffany Spray, I am the Residential Solar Operations Manager at Hawaii Unified Industries, LLC. We are a residential and commercial solar company who also handles facility maintenance across all islands. A little bit about myself, I was born and raised in Mililani and moved to Kapolei shortly after obtaining my Bachelors degree in Business Management from the University of Hawaii at West Oahu. I have been working for Hawaii Unified for a little over 2 years now and have fallen in love with the core values that my company represents.

My love for solar came from my love for the planet and the urge to help my community. I have a strong sense of pride when I tell people what I do and who I work for. I firmly believe that solar is helping the planet and creating jobs all over the islands. The people I have met and the relationships I have made with my customers are why I continue to have a passion for what I do. I can feel the frustration from customers who call every day asking for updates on their permits and when they get solar because their HECO bills are only rising.

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;
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4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and
5. carving out residential solar DERs from HRS 464 requirements.

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future.

Tiffany Spray



Laurence Ponce
Solar Services Hawaii LLP
98-121 Kihale Pl
Aiea, HI 96701
License(s) #C-26234 & #C-26354
(808) 721-3585

Testimony of Laurence Ponce
RME of Solar Services Hawaii
e-mail: solar.services.hi.testimony@gmail.com

In SUPPORT of HB 195 Regarding longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals

Before the

COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION
Rep. Nicole E. Lowen, Chair
Rep. Elle Cochran, Vice Chair

COMMITTEE ON COMMERCE, CONSUMER PROTECTION, AND HEALTH
Rep. Linda Ichiyama, Chair
Rep. Mahina Poepoe, Vice Chair

Thursday, February 2, 2023
TIME: 8:30AM

PLACE: VIA VIDEOCONFERENCE
Conference Room 325 State Capitol 415 South Beretania Street

Aloha Chair Lowen, Vice-Chair Cochran, Chair Ichiyama, Vice-Chair Poepoe and Members of both Committees,

My name is Laurence Ponce. I am RME of Solar Services Hawaii. and a Member of HSEA. Solar Services Hawaii is a Solar installation company working towards 100% Renewable Energy capacity in Hawaii.

I Support HB 195

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1: establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;
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- 4: raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and
- 5: carving out residential solar DERs from HRS 464 requirements.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

Laurence Ponce – dig signature

Laurence Ponce
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Testimony of Alan Lennard
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**In SUPPORT of HB 195 Regarding longstanding permitting issues that
impede progress on Hawaii's renewable energy and climate resilience goals**

Before the

COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION
Rep. Nicole E. Lowen, Chair
Rep. Elle Cochran, Vice Chair

COMMITTEE ON COMMERCE, CONSUMER PROTECTION, AND HEALTH
Rep. Linda Ichiyama, Chair
Rep. Mahina Poepoe, Vice Chair

Thursday, February 2, 2023

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PLACE: VIA VIDEOCONFERENCE
Conference Room 325 State Capitol 415 South Beretania Street

Aloha Chair Lowen, Vice-Chair Cochran, Chair Ichiyama, Vice-Chair Poepoe and Members of both Committees,

My name is Alan Lennard. I am the Managing director of Green Power Projects LLC. Green Power Projects LLC is a Solar project facilitation company working towards 100% Renewable Energy capacity in Hawaii. Our vision is a Hawaiian energy economy based 100% on renewable sources indigenous to Hawaii.

I Support HB 195

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1: establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;
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- 3: creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)
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- 5: carving out residential solar DERs from HRS 464 requirements.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

Alan Lennard -dig signature

Alan Lennard
Managing Director
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John Grandinetti
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Testimony of John Grandinetti
President of
Grand Solar Inc.
e-mail: grandsolar808@gmail.com

**In SUPPORT of HB 195 Regarding longstanding permitting issues that
impede progress on Hawaii's renewable energy and climate resilience goals**

Before the

COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION
Rep. Nicole E. Lowen, Chair
Rep. Elle Cochran, Vice Chair

COMMITTEE ON COMMERCE, CONSUMER PROTECTION, AND HEALTH
Rep. Linda Ichiyama, Chair
Rep. Mahina Poepoe, Vice Chair

Thursday, February 2, 2023

TIME: 8:30AM

PLACE: VIA VIDEOCONFERENCE

Conference Room 325 State Capitol 415 South Beretania Street

Aloha Chair Lowen, Vice-Chair Cochran, Chair Ichiyama, Vice-Chair Poepoe and Members of both Committees,

My name is John Grandinetti. I am the President of Grand Solar Inc. and a Member of HSEA. Grand Solar is a Solar installation company working towards 100% Renewable Energy capacity in Hawaii.

I Support HB 195

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1: establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;
- 2: removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;
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- 4: raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and
- 5: carving out residential solar DERs from HRS 464 requirements.

Thank you for supporting clean solar energy and giving me the opportunity to testify.

John Grandinetti – dig signature

John Grandinetti
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Tel: (808) 737-3536
grandsolar808@gmail.com



Testimony Before the House Committees on Energy and Environmental Protection
and Water and Land

By David Bissell
President and Chief Executive Officer
Kaua'i Island Utility Cooperative
4463 Pahe'e Street, Suite 1, Līhu'e, Hawai'i, 96766-2000

Thursday, February 2, 2023; 8:30 am
Conference Room #325 & Videoconference

House Bill No. 195 - RELATING TO RENEWABLE ENERGY

To the Honorable Representative Nicole Lowen, Chair, Representative Linda Ichiyama, Chair and Members of the Committees:

Kaua'i Island Utility Cooperative (KIUC) is a not-for-profit utility providing electrical service to more than 34,000 commercial and residential members.

KIUC offers amendments to this measure.

KIUC has seen significant growth in member installation of rooftop solar/photovoltaic (PV) systems over the past 12 years. In 2010, there were 388 systems installed on Kauai; that number has grown to more than 6,000 systems by the end of 2022.

To ensure that members realize the optimum benefit from PV systems KIUC has created parameters and guidelines which follow established Tariff requirements. Before installing a system, rules established by the Hawai'i Public Utilities Commission require customers to submit an interconnection request application to KIUC for an engineering review. This step is extremely important and ensures that the PV system can be safely and reliably tied into the utility grid and ensures the member understands the rules of the interconnection agreement.

Occasionally, interconnection request applications are not submitted and systems are installed without a Notice to Proceed from KIUC. Often these are large systems that have the potential to create grid stability issues. Over the past year, we have worked collaboratively with the County of Kaua'i, and the County is now requiring electrical inspectors to verify a Notice to Proceed issued by KIUC to the property owner/contractor before completing an inspection.

KIUC specifically requests that the proposed amendment to §196-B (a) (2) be amended as follows (changes highlighted):

(2) The applicable government entity in the State that issues building permits is notified in writing by the duly licensed electrician or duly licensed plumber, as applicable, who ~~installed or~~ intends to install the solar distributed energy resource system that the installation of the system complies with all applicable codes and laws, including an executed interconnection agreement with the applicable electric utility.

We appreciate your consideration.

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Ryan Park, and I have been a Honolulu resident for over a decade. I have also dedicated the past two decades of my career to the solar industry because I believe our world, and especially our islands, will be a better place when all our homes, businesses and vehicles are powered by the sun.

To achieve that vision, we must remove unnecessary barriers for solar installation and financing businesses to scale and operate cost effectively. Therefore, I am writing to provide my **strong support** for **HB195**.

Solar permitting challenges and delays can be a thing of the past by simply utilizing SolarAPP+ and implementing commonsense updates for solar permitting. Below are several recommended measures that I agree with:

1. establishing a requirement to implement SolarAPP+ to streamline online permitting for smaller-scale solar and energy storage projects;
2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;
3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+.
4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and
5. carving out residential solar DERs from HRS 464 requirements.

Thank you for the opportunity to provide testimony. This bill will help the businesses that are advancing Hawaii's clean energy transition to be more efficient and effective, which ultimately will benefit our economy, residents and future generations.

Mahalo,

Ryan Park
Resident, and Solar Industry Executive



1050 Bishop St. PMB 235 | Honolulu, HI 96813
P: 808-533-1292 | e: info@hawaiiifood.com

Executive Officers

Eddie Asato, Pint Size Hawaii, *Chair*
Gary Okimoto, Safeway, *Vice Chair*
Maile Miyashiro, C&S Wholesale, *Secretary/Treas.*
Lauren Zirbel, HFIA, *President and Executive Director*
John Schilf, Rainbow Sales and Marketing, *Advisor*
Paul Kosasa, ABC Stores, *Advisor*
Derek Kurisu, KTA Superstores, *Advisor*
Toby Taniguchi, KTA Superstores, *Advisor*
Joe Carter, Coca-Cola Bottling of Hawaii, Odom, *Advisor*
Charlie Gustafson, Tamura Super Market, *Immediate Past Chair*

TO: Committee on Energy and Environmental Protection and Committee on Water & Land

FROM: HAWAII FOOD INDUSTRY ASSOCIATION
Lauren Zirbel, Executive Director

DATE: February 2, 2023
TIME: 8:30am
PLACE: Via Videoconference

RE: HB195 Relating to Renewable Energy

Position: Support

The Hawaii Food Industry Association is comprised of two hundred member companies representing retailers, suppliers, producers, and distributors of food and beverage related products in the State of Hawaii.

HFIA is in support of this measure. In a recent survey our members overwhelmingly cited the challenging and time consuming permitting process as the primary obstacle to installing solar and battery systems.

Lowering the administrative barriers to the deployment of energy generation and storage technology has a range of benefits for Hawaii's food systems and our state.

Removes an Unnecessary Road Block to More Sustainable and Resilient Energy in Hawaii -

In a recent meeting many HFIA members were asked, "How would state incentivized solar and batteries positively impact your business, and/or the food industry in Hawaii? What is the main obstacle preventing you from transitioning to renewable energy for your business?"

Overwhelming the answer that received the most votes was, "Simplify permit zoning approval processing." This reply received more than 6 times as many votes as "Money, credits, incentives." Existing and future tax credits and incentives are an important part of creating a sustainable energy future for our state, but right now what businesses need in order to allow them to make the switch is a less onerous permitting process.

Making Essential Industries More Sustainable Makes Our State More Sustainable –



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Executive Officers

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Eddie Asato, Pint Size Hawaii, *Vice Chair*
Gary Okimoto, Safeway, *Secretary/Treas.*
Lauren Zirbel, HFIA, *Executive Director*
John Schliff, Rainbow Sales and Marketing, *Advisor*
Stan Brown, Acosta Sales & Marketing, *Advisor*
Paul Kosasa, ABC Stores, *Advisor*
Derek Kurisu, KTA Superstores, *Advisor*
Toby Taniguchi, KTA Superstores, *Advisor*
Joe Carter, Coca-Cola Bottling of Hawaii, *Immediate Past Chair*

To make progress on our State and national greenhouse reduction goals, it's important to address energy usage in essential industries. Our essential industries are those that are necessary for our residents to live and function. These industries, including the food industry, have certain energy demands that must be met in order for our state to run. If we can meet these energy demands more sustainably our entire state becomes more sustainable.

Make Our Food Industry More Resilient and Our State More Resilient -

All residents in our State rely on the food supply chain to feed them in good times and in times of crisis. Increasing the use of energy generation and storage within our state's food systems means that if the power grid is interrupted during a time of crisis these essential businesses can continue to function. Making the permitting process for energy generation and storage less of an obstacle will allow for increased usage in the food industry. This can be especially beneficial in areas that are more susceptible to disruptions in power supply and transportation routes in times of crisis. Creating a food supply chain that is more energy self-sufficient and resilient should be a priority in order to make mass feeding more feasible and equitable in case of a natural disaster or other crisis.

Streamlining the Permitting Process Can Be Done With Little To No Cost to the State -

Increasing the sustainability and resiliency of our state is a goal we all share. Unfortunately the current system of permitting for energy generation and storage has created unnecessary obstacles to meeting that goal. Streamlining this process will move the state in the right direction, without costing the state. Creating a streamlined, consistent, permitting process is an efficient way to ensure that all regulations, rules, and safety guidelines are adhered to, and can help relieve some of the backlog in the Counties' overburdened permitting systems. This requires no investment from the state, and will encourage growth in key areas necessary for meeting our de-carbonization and resiliency goals.

We encourage the committee to pass this measure and we thank you for the opportunity to testify.

January 31, 2022

Ryno Irwin
CEO, HAWAII UNIFIED INDUSTRIES

RE: Testimony in Support of HB195

Aloha Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Ryno Irwin, CEO of Hawaii Unified Industries, LLC. Our company is the 3rd largest private employer on the Leeward Coast of Oahu. Our business provides local people with high paying, and sustainable jobs. However, the delays we have faced in obtaining permits over the past 4 years, have put an extreme strain on our ability to continue to further our business and maintain the jobs we provide.

In parallel, we have seen firsthand how these permit delays are causing financial strain on our Kamaiana, preventing them from going solar to get relief on their utility bills. Moreover, in the past 4 months, we have had over 30 of our residential solar customers have their low interest rate solar loans cancelled by their lenders because permit delays prohibited them from completing their installations in a timely manner.

I write this testimony on behalf of our 91 locally based employee Team Members. Hawaii Unified Industries, strongly supports HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers several common-sense measures such as:

1. establishing a requirement to implement SolarAPP+ to streamline online permitting for smaller-scale solar and energy storage projects;
2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;
3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)
4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and
5. carving out residential solar DERs from HRS 464 requirements.

Mahalo for giving me the opportunity to provide testimony on this critically important bill to give Hawaii's residents and businesses the ability to have a clean and resilient energy future.

Sincerely,



Ryno Irwin
CEO
Hawaii Unified Industries, LLC

January 31, 2023

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Rachel Ah Sue, Co-Founder of Malama Solar. My husband and I decided to start this company after selling for mainland solar companies and witnessing first-hand the lack of customer service provided to our community members here on Oahu. As a born and raised resident of this island, I understand the importance of taking care of our Hawaii residents.

Our company has been blessed with great growth these past 2 years, however, the biggest obstacle that has also grown, not just within our company, but the entire solar industry in Hawaii and Hawaii residents, has been the extensive timelines and inconsistencies with the Department of Planning and Permitting for residential Solar PV permits. Many permits are incorrectly classified in DPPs system, causing a permit that should have immediate approval to be pushed to a queue that is averaging an eight-month approval. Additionally, once applications are finally reviewed, several are accidentally rejected, and although the mistake is acknowledged, the application still goes to the back of the list, potentially pending 2-3 additional months until the next review.

We know that the Department of Planning and Permitting is trying their best, especially with the recent terminations and investigations they have undergone, however, these circumstances do not show any promising or significant changes to the extensive permitting timelines. Needless to say, the lack of staffing and streamlined programs and platforms have had, and continue to have a huge negative impact on our business and our customers.

For these reasons, I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

1. Establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;
2. Removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;
3. Creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)
4. Raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and
5. Carving out residential solar DERs from HRS 464 requirements.

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future!

Rachel Ah Sue
Co-Founder of Mālama Solar
808.358.7193

590 Paiea Street Suite B
Honolulu, HI 96819



SIERRA CLUB OF HAWAI'I

HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION AND HOUSE COMMITTEE ON WATER AND LAND

February 2, 2022 8:30 AM Conference Room 325

In SUPPORT of HB195: Relating to Renewable Energy

Aloha Chairs Lowen and Ichiyama, Vice Chairs Cochran and Poepoe, and Committee members,

On behalf of our 20,000 members and supporters, the Sierra Club of Hawai'i **SUPPORTS** HB195, which will help to enhance our islands' climate resiliency, by facilitating the expansion of distributed renewable energy infrastructure in a timely and equitable manner.

Hawai'i's continued dependence on fossil fuels not only contributes to the climate crisis that has already reached our islands' shores – in the form of historic floods, prolonged droughts, wildfires, repeated coral bleaching events, the proliferation of invasive species, and the extinction of native species, among others – but also subjects our residents and businesses to the ever-increasing costs of fossil fuels, exacerbating the financial instability faced by so many who call these islands home. Moreover, our dependence on a centralized grid can render us particularly vulnerable to power outages caused by extreme weather or other events that compromise our main energy producing facilities. **Accordingly, the equitable development of distributed renewable energy infrastructure, such as distributed solar energy systems, is an important and necessary strategy to help reduce our islands' contributions to the climate crisis, free our utility expenses from the ballooning costs of fossil fuels, and ensure some level of energy resiliency should a climate-related extreme weather event impact our islands' largely centralized utility infrastructure.**

The provisions contained in this measure, including those requiring the use of readily available app technology and empowering licensed professionals to self-certify solar and energy storage products, can reduce the cost, time, and risk in realizing the benefits of greater distributed renewable energy infrastructure throughout the islands. The Sierra Club appreciates that this measure may also particularly benefit those that have not yet been able to install or participate in a solar and energy storage project. HB195 is therefore an important step forward to ensure a timely and equitable transition towards a cheaper, more resilient, and climate-friendly energy future for our islands.

Accordingly, the Sierra Club of Hawai'i respectfully urges the Committees to **PASS** HB195. Mahalo nui for the opportunity to testify.



To: The Honorable Chairs Nicole Lowen and Linda Ichiyama, the Honorable Vice Chairs Elle Cochran and Mahina Poepoe, and Members of the Committees on Energy and Environmental Protection and Water and Land.

From: Climate Protectors Hawai'i (by Ted Bohlen)

Re: **Hearing HB195 RELATING TO RENEWABLE ENERGY.**

Hearing: Thursday February 2, 2023, 8:30 a.m., room 325

Aloha Chairs Lowen and Ichiyama, Vice Chairs Cochran and Poepoe, and Members of the Committees on Energy and Environmental Protection and Water and Land:

The Climate Protectors Hawai'i STRONGLY SUPPORTS HB195!

Government entities in the State that issue building permits would be required under this bill to implement by 1/1/24 SolarAPP+ or a functionally equivalent online automated permitting platform that verifies code compliance and issues permits to licensed contractors for solar distributed energy resource systems in real time. The bill would also require government entities in the State that issue building permits to adopt self-certification for solar distributed energy resource systems that are not SolarAPP+ compatible.

This bill would lower administrative barriers that constrain deployment of residential and commercial-scale distributed energy resources. It also would update the exemption level estimated costs that have not been amended since 1979 and are deterring deployment.

This bill would streamline Hawaii's permitting for solar distributed energy resources, which would help Hawai'i reduce its greenhouse gas emissions and meet its decarbonization goals.

Please pass this bill!

Mahalo!

Climate Protectors Hawai'i (by Ted Bohlen)



MAKAHA
LEARNING CENTER

January 31, 2023

Testimony of Danielle Irwin, President

Makaha Learning Center

HB195- A Bill for an Act Relating to Renewable Energy

Aloha Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Danielle Irwin, and I serve as the President of the Makaha Learning Center. The Makaha Learning Center provides trade education to Native Hawaiians and the Waianae Coast Community. We have identified Solar Installation training as one of our core programs because Hawaii's future lies in renewable energy. Our NABCEP-approved solar training program provides relatively short and lucrative pathways into the solar industry and contributes to building a solid PV workforce necessary to reach our renewable goals.

I strongly support HB195. It resolves critical permitting issues that slow down progress towards meeting our clean power goals and offers sensible solutions such as:

- establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;
- removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;
- creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)
- raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and
- carving out residential solar DERs from HRS 464 requirements.

E

This is a crucial piece of legislation for Hawaii's bright and resilient future, so please accept my sincere thanks for giving me the chance to voice its importance.

Danielle Irwin
President

MAKAHA LEARNING CENTER / NATIVE 501(c)3

84-1170 FARRINGTON HYW, BLDG C-2, MAKAHA, HI 96792

info@MakahaLearning.org / www.MakahaLearning.org



Environmental Caucus of The Democratic Party of Hawai'i

January 31, 2023

To: The Honorable Nicole E. Lowen, Chair
The Honorable Elle Cochran, Vice Chair, and Members of the
House Committee on Energy and Environmental Protection
and
The Honorable Linda Ichiyama, Chair
The Honorable Mahina Poepoe, Vice Chair, and Members
House Committee on Water and Land
House of Representatives, Hawaii State Legislature

Re: HB 195 – Relating to Renewable Energy

Hearing: Thursday, February 2, 2023, 8:30 am, Room 325 & videoconference

Position: **Strong Support**

Aloha, Chairs Lowen and Ichiyama, Vice Chairs Cochran and Poepoe, and Committee Members:

The Environmental Caucus of the Democratic Party of Hawaii strongly supports HB 195. Its provisions would eliminate many of the very serious barriers that homeowners in Hawaii are experiencing in facilitating and expediting their long-delayed applications for permits for initial construction and renovations in the county-level departments of permitting and planning. This would be accomplished by exempting solar and battery renewable projects altogether from the permitting requirements of HRS §434-13 and by raising the dollar ceiling for exemptions for other homeowner renovations in the same Code section. Those ceilings were most recently set in 1979, and to keep those exemptions at the same effective level, due to inflation, requires that the dollar ceilings on those exemption levels be raised four-fold. This bill is essential to relieve the huge logjam of these permit applications, and it would help immeasurably in helping the people of the State of Hawai'i to substantially reduce our dependence on environmentally destructive fossil fuels.

On behalf of the Environmental Caucus, we urge you to PASS this bill. We thank you very much in advance for your favorable consideration of this bill.

Very truly yours,

/s/

Alan B. Burdick and Melodie Aduja, co-chairs
Environmental Caucus of the Democratic Party of Hawai'i

Burdick808@gmail.com 808-927-1500

legislativepriorities@gmail.com 808-258-8889

HB-195

Submitted on: 2/1/2023 6:15:11 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
laurel brier	Kauai Climate Action Coalition	Support	Written Testimony Only

Comments:

Rooftop solar power is an important tool to decarbonizing our buildings, and meeting our state goals to fight climate change. We have longstanding permitting goals that impede us in people from getting PV which this bill addresses. Thank you introducing and passing

HB-195

Submitted on: 2/1/2023 6:34:22 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Katherine Wyszowski	Sunnova Energy	Support	Remotely Via Zoom

Comments:

Sunnova is a leading residential solar and energy storage service provider, with nearly 245k customers across the U.S. and its territories, including Hawaii. The purpose of this letter is to register our support for HB195 to improve residential solar permitting on the islands. The implementation proposed by HB 195, of Solar APP+ or a functionally equivalent, technology for permitting will facilitate more efficient permitting processes and give residents a better experience when going solar and allow the larger community to meet clean energy goals. Supporting efficient and timely installation of rooftop solar is critically important to addressing climate change.

We strongly support HB195, because of the required software implementation and the removal of a professional stamp requirement. Utilizing SolarAPP+ and removing professional stamp requirements will streamline and reduce costs for residents of Hawaii seeking sustainable energy options. SolarAPP+ is free for AHJs to use, has already been introduced in a number of municipalities across the country and has reduced permitting timelines to less than one day. Solar projects that cannot be reviewed under SolarAPP+ will be given a self-certification pathway which will also save time and consumer money. This bill will also improve access to residential solar energy by carving out residential solar DERs from needing a professional stamp requirement. Professional stamp requirements are burdensome and unnecessary for residential scale solar, as they do not increase safety.

Thank you so much for allowing Sunnova to provide testimony on HB195. We believe this bill will help the residents of Hawaii save money and support climate resilience goals.



Hawaii Solar Energy Association
Serving Hawaii Since 1977

Testimony of The Hawaii Solar Energy Association (HSEA) Regarding HB195, Relating to Renewable Energy, Before the House Committee on Energy and Environmental Protection and the House Committee on Water and Land

Thursday, February 2, 2023

Aloha Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

The Hawaii Solar Energy Association (HSEA) **strongly supports HB195**, which establishes solutions to streamline permitting for distributed solar and energy storage projects that are critical to achieving Hawaii's clean energy transition.

HSEA members include the majority of locally owned and operated renewable energy companies doing business in the state as well as leading global cleantech manufacturers and service providers that invest and sell in our market. We employ thousands of residents in diverse jobs including contractors, installers, electricians, engineers, design professionals, product managers, marketing and salespeople, financial services professionals, and service technicians. We advocate for policies that help Hawaii achieve critical climate and resilience goals by enabling residents and businesses to invest in and benefit from the transition to clean energy. Rooftop solar PV is the leading contributor to Hawaii's clean energy portfolio making up 44.6% of all renewable energy in the State.¹ These investments provide resilient power that reduces energy burden for all and contributes to energy security and reliability as we decarbonize our economy and electric grid.

Permitting bottlenecks and backlogs are impeding progress and adding unnecessary cost, time, and risk to Hawaii's renewable energy transition. This impacts all residents and businesses in Hawaii, particularly those that have not yet been able to install or participate in a solar and energy storage project. As costs come down and systems become more available and accessible to underserved members of our community, permitting delays have emerged as a primary obstacle to progress.

HB195 addresses ongoing permitting challenges in several important ways:

¹ See Hawaiian Electric's "Key Performance Metrics, Renewable Portfolio Standard compliance" available at <https://www.hawaiianelectric.com/about-us/key-performance-metrics/renewable-energy>.



Hawaii Solar Energy Association
Serving Hawaii Since 1977

First, the bill establishes a requirement for building permit issuing authorities to adopt the SolarAPP+ automated online permitting tool, or a functional equivalent. SolarAPP+ was developed by the U.S. Department of Energy's National Renewable Energy Laboratory and has been successfully deployed in hundreds of municipalities across the nation. Adoption of SolarAPP+ is a "win" for all participants in the permitting review process. It reduces compliance risks, lowers time and cost, and removes relatively small and simple projects from the manual review queue so that building permit officials can spend more time on larger and more complicated projects and customers can install and benefit from their systems sooner. The investment in SolarAPP+ will reduce administrative burden and taxpayer expense and allow the counties to re-focus resources on other high priorities.

Second, the bill removes the burdensome and time-consuming materials and methods (MM#) review process and replaces it with standardized, peer-reviewed national product safety certification and product documentation requirements.

Third, the bill requires permitting authorities to provide a self-certification pathway for projects that do not qualify for the SolarAPP+ online permitting tool. If a duly licensed design professional certifies that a solar project's plans are compliant with all applicable laws and codes, the project should not be delayed from proceeding to construction. The final compliance review and approval can occur at inspection.

Finally, the bill carves out residential rooftop solar and storage projects and updates fixed dollar thresholds that exempt small private projects from statutory design professional standards. The thresholds have not been updated since they were first established in 1979. Since that time, the US dollar has inflated by over 300% with one dollar in 1979 equaling over \$4 today. Adjusting these thresholds to account for inflation makes commonsense and will reduce construction costs across all sectors in Hawaii.

HSEA and other stakeholders have been working for years with various county administrations at the leadership and departmental level to effect improvements in the permitting process. We continue to offer our assistance and expertise to fix bugs in current systems and implement internal process changes. Despite these efforts, the existing system is still backlogged, under-resourced, and overly time consuming to the detriment of our entire economy and the livelihoods of thousands of residents. In addition, significant federal resources are being made



Hawaii Solar Energy Association
Serving Hawaii Since 1977

available through the Inflation Reduction Act and Bipartisan Infrastructure Bills that may be used to implement SolarAPP+. The measures of this bill offer a clear path forward that will save time and resources for all parties in the permitting process and help Hawaii achieve its renewable energy portfolio standard and carbon reduction goals.

HSEA **strongly supports HB195** and respectfully urges the committee to advance this measure.

Thank you for the opportunity to testify.

Sincerely,

/s/ Rocky Mould

Rocky Mould
Executive Director

HB-195

Submitted on: 2/1/2023 7:25:48 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Nicole Mahealani Lum	?Ahahui o na Kauka (Association of Native Hawaiian Physicians)	Support	Written Testimony Only

Comments:

Aloha kākou. ‘Ahahui o nā Kauka, the Association of Native Hawaiian Physicians, stands in solidarity in the fight against climate change, and writes in support of HB195.

Climate change is a public health crisis. Health outcomes due to climate change include: heat related illnesses, lung and heart conditions, food/water/vector-borne diseases, mental health illnesses, preterm births, and a shorter lifespan, to name a few. Native Hawaiians and other Indigenous peoples are especially affected by climate change and its impact on the environment, due to these communities’ close relationship with and dependence on the earth and its natural resources. The health of the land, is the health of the people, is the health of our nation. For these reasons, ‘Ahahui o nā Kauka is committed to engaging with local, regional, and national efforts to mitigate climate change and build community resilience.

The switch to renewable energy sources, such as solar energy, is a vital decarbonization strategy to reduce greenhouse gas emissions and mitigate climate change. Solar coupled with battery storage also provides resiliency by providing a backup energy source when storms or other emergencies cause a power failure. However, the problem is that solar energy is not readily accessible; families seeking to install solar energy systems on their homes may have to wait more than 8 months to receive their permit. This is unacceptable. Long-standing permitting issues impede the progress on Hawaii's renewable energy and climate resilience goals.

HB195 offers a number of critical measures that will streamline the permitting process. This is an important step to help Hawaii meet its climate goals, reduce costs for residents, and become more climate resilient. We must remove the unnecessary roadblocks and burdens to installing solar plus storage systems, so that our people may access and benefit from solar energy.

Climate change is harming the health of our people. We must ensure we are doing our part to fight against climate change, by increasing our communities’ access to renewable energy sources. It is for these reasons that ‘Ahahui o nā Kauka urges the passing of HB195. Mahalo for your consideration.



To: The House Committee on Energy and Environmental Protection (EEP)
and
The House Committee on Water & Land (WAL)
From: Sherry Pollack, 350Hawaii.org
Date: Thursday, February 2, 2023, 8:30am

In Strong Support of HB195

Aloha Chairs Lowen and Ichiyama, Vice Chairs Cochran and Poepoe, and members of the EEP and WAL committees,

I am Co-Founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. 350Hawaii **strongly support HB195** which requires government entities in the State that issue building permits to implement SolarAPP+ or a functionally equivalent online automated permitting platform that verifies code compliance and issues permits to licensed contractors for solar distributed energy resource systems in real time by 1/1/2024. This measure also requires government entities in the State that issue building permits to adopt self-certification for solar distributed energy resource systems that are not SolarAPP+ compatible. Further, HB195 makes the professional engineers, architects, surveyors, and landscape architects licensure law inapplicable to work with respect to residential distributed energy resource systems and increases the estimated cost of work on certain structures below which that licensure law is inapplicable.

HB195 addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. This bill offers a number of critical, common-sense measures that will streamline permitting. This is essential if Hawaii is to achieve its decarbonization goals.

In particular, by establishing a requirement to implement SolarAPP+ or a functional equivalent, HB195 will streamline online permitting for smaller-scale solar and energy storage projects. Currently families are often waiting more than 8 months to receive their permit. This is unacceptable and must be remedied. By implementing provisions in HB195, there will be auto-approval, proceed-to-build for all solar and storage projects that qualify for the online submittal.

Rooftop solar power is a key tool in the fight against the climate crisis. HB195 is a crucial step to help Hawaii meet its climate goals, reduce costs for residents, and become more resilient. We must remove the unnecessary roadblocks and burdens to installing solar plus storage systems so that all may access the benefits from solar energy.

Thank you for the opportunity to testify on this extremely important measure.
Sherry Pollack
Co-Founder, 350Hawaii.org

**Testimony of the Board of Professional Engineers, Architects, Surveyors, and
Landscape Architects**

**Before the
House Committee on Energy & Environmental Protection
and
House Committee on Water & Land
Thursday, February 2, 2023
8:30 a.m.
Via Videoconference**

**On the following measure:
H.B. 195, RELATING TO RENEWABLE ENERGY**

Chair Lowen, Chair Ichiyama, and Members of the Committee:

My name is Sheena Choy, and I am the Executive Officer of the Board of Professional Engineers, Architects, Surveyors, and Landscape Architects (Board). The Board limits its comments and concerns to section 4 of the bill, which amends Hawaii Revised Statutes (HRS) chapter 464 Professional Engineers, Architects, Surveyors and Landscape Architects.

The purposes of this bill are to: (1) require government entities in the State that issue building permits to implement SolarAPP+ or a functionally equivalent online automated permitting platform that verifies code compliance and issues permits to licensed contractors for solar distributed energy resource systems in real time by 1/1/2024; (2) require government entities in the State that issue building permits to adopt self-certification for solar distributed energy resource systems that are not SolarAPP+ compatible; and (3) make the professional engineers, architects, surveyors, and landscape architects licensure law inapplicable to work with respect to residential distributed energy resource systems and increases the estimated cost of work on certain structures below which that licensure law is inapplicable.

Section 4 of this bill proposes to amend the “structures” exemption by changing “structures” to “work” for privately owned or privately controlled one-story buildings, dwellings, or structures. This section is also being amended to increase the estimated cost from \$40,000 to \$160,000.

The Board is concerned that this amendment will raise the cap on the cost valuations of work on buildings for renovation projects serviced by an unlicensed

Testimony of the Board of Professional Engineers, Architects, Surveyors, and
Landscape Architects

H.B. 195

Page 2 of 2

professional to allow for larger scaled projects, such as major renovations that will jeopardize the health, safety, or welfare of consumers. The cost increase to \$160,000 is not justified.

The Board notes that HRS section 464-13 may not be the appropriate section to amend if the intent is to allow larger construction projects to proceed without the need to hire licensed design professionals. The intent of this section, created in 1931, was to allow smaller-scale repairs without the requirement of a licensed design professional's seal, where the work involved was to be relatively small in cost and in scope.

The Board encourages further discussion between the parties and other major stakeholders.

Thank you for the opportunity to testify on this bill.

HB-195

Submitted on: 2/1/2023 8:00:51 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Chris Ah Sue	Malama Solar	Support	Written Testimony Only

Comments:

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Chris Ah Sue, and my wife, Rachel, and I started Malama Solar 5 years ago. In that time we've been able to help hundreds of homeowners across the state to get renewable energy. Over the last year, one of the biggest impediments to our growth is the lengthy waiting process for permits. We have homeowners that have been waiting over a year to receive a permit to install solar pv on their residence.

I strongly support HB195. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future.

Chris Ah Sue

Malama Solar



February 1, 2023

TO: Honorable Nicole Lowen, Chair
Committee on Energy & Environmental Protection

FROM: Reid Mizue, AIA
President / Legislative Advocacy Committee Co-Chair
American Institute of Architects, Hawaii State Council

SUBJECT: **Re: House Bill 195
Relating to Renewable Energy**

The American Institute of Architects

AIA Hawaii State Council
828 Fort Street Mall, Suite 100
Honolulu, HI 96813

T (808) 628-7243
contact@aiahonolulu.org
aiahonolulu.org/AIAHawaiiStateCouncil

Dear Chair Lowen and Members of the Committee,

My name is Reid Mizue, President, AIA Hawaii Council submitting **OPPOSITION** on House Bill 195, but only as the measure relates to Section 4 of HB 195, allowing work on buildings to qualify for an exemption (based on updated cost valuations) from the requirements that plans and specifications for construction projects be prepared by a licensed engineer or architect. Our main concern is Life Safety and Building Code regardless of estimated cost valuations on specific residential projects state in the bill.

Life Safety role of licensed design professionals (Architects Engineers) related to design of occupiable residential structures.

As licensed architects (and engineers), design professionals are educated for, prepared to design for, insured for, and licensed by the State of Hawaii to design buildings inclusive of residential structures to current building code. Building code is in place, updated, and adhered to by design professionals specifically for measures of life safety. Architects, Civil, Structural, Mechanical, and Electrical engineers are all examples of licensed design professionals that create the design documents (drawings and specifications) which represent the inclusion of properly designed, safe, and code compliant residential structures. Exempting the requirement of a licensed design professional(s) for any project type not exceeding [~~\$40,000~~] \$160,000 and [~~\$35,000~~] \$140,000 additionally exempt and specifically residential projects not exceeding [~~\$50,000~~] \$200,000 and [~~\$45,000~~] \$180,000 results in this bill putting Hawaii homeowners at serious risk of major zoning violations (per each County) and major building code violations. Both of which may lead

to the incredibly unfortunate instances of ignoring life safety and well-being of residential occupants.

Further, non-licensed draftspersons, engineering technicians are NOT educated, trained for, or licensed in the State of Hawaii to design code compliant structures.

Exemptions not allowed based on construction type language does not address Life Safety in most residential structures.

Although HB 195 indicates that “*no structure, dwelling, or building in which the principal structural members consist of reinforced concrete or structural steel having riveted, bolted, or welded connections shall be exempt...*”, the language does not make mention of structures related to wood framing, nor does the bill include measures for non-exemptions from County inspections to observe post-construction Contractor/Builder completion, electrical work, energy code scope, and fire safety measures.

- The bulk of Hawaii’s inventory of single & two-storied residential dwellings and structures are of wood construction. Wood framed structures have building codes requiring items such as load-path criteria, foundations, steel straps, and stud framing spacing, plywood sheathed shear wall, truss work, and beam requirements that support Life Safety considerations for safe living conditions; conditions that resist wind load, wind uplift, lateral forces, and the general support of a wood framed residential structure. Any residential renovation / addition of said wood-framed structure includes the requirement for design professional to properly indicate the aforementioned requirements.

Exemptions based on estimated costs skirt Life Safety in residential structures.

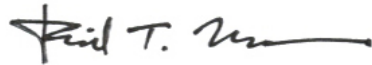
- A residential renovation to include a bedroom addition to a single storied / single-family structure, that costs only \$159,999 or \$139,999 respectively, HB 195 would allow an exemption from a licensed professional to developed stamped and signed drawings and specifications. An unlicensed draftsman could prepare the drawings with no intent / knowledge of life safety or building code, placing the inhabitants of the bedroom addition at severe risk. Risks such as injury, property damage, infringement on a neighboring property or catastrophic loss. There would be no

recourse on this because the draftsman/technician is unregulated, and unlicensed (By the Board of EASLA).

- There is little data present in Section 4 of HB 195 on how the 1979 HRS 464-13 amounts were mathmatically “updated”. This requires further clarification / consideration.
- In recent news a residential structure collapsed on the North Shore, Oahu as well as an unpermitted retaining wall collapse in Windward Oahu causing a death and injuries. If homeowners are allowed to construct renovations using less than the amounts indicated in Section 4 of HB 195, the homeowner will be able to skirt the licensed professional requirement and build non-engineered / non-code compliant structures potentially causing injury/loss of life due to a catastrophic collapse.

Thank you for this opportunity to **OPPOSE** on House Bill 195.

Sincerely,



Reid Mizue, AIA

American Institute of Architects, Hawaii State Council

HB-195

Submitted on: 2/1/2023 8:25:10 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Dave Mulinix	Our Revolution Hawaii	Support	Remotely Via Zoom

Comments:

Aloha Chair Lowen & Chair Ichiyama & Committee Members,

On behalf of Our Revolution Hawaii's 5,000 members and supporters statewide, we Stongly Support HB195 that requires government entities in the State that issue building permits to implement SolarAPP+ or a functionally equivalent online automated permitting platform that verifies code compliance and issues permits to licensed contractors for solar distributed energy resource systems in real time by 1/1/2024. Requires government entities in the State that issue building permits to adopt self-certification for solar distributed energy resource systems that are not SolarAPP+ compatible. Makes the professional engineers, architects, surveyors, and landscape architects licensure law inapplicable to work with respect to residential distributed energy resource systems and increases the estimated cost of work on certain structures below which that licensure law is inapplicable.

HB195 is essential because it addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future.

Dave Mulinix, Cofounder & Statewide Organizer

Our Revolution Hawaii

February 2, 2023

TO: Chair Nicole E. Lowen
Members of the House Committee on Energy & Environmental Protection
Chair Linda Ichiyama
Members of the House Committee on Water & Land

FR: Noelani Derrickson
Public Policy & Business Development

RE: **HB195 Relating to Renewable Energy. - Support**

Aloha Chair Lowen, Vice Chair Marten, and Members of the Committee:

Thank you for the opportunity to provide testimony regarding HB195, which requires government entities to implement online automated platforms and streamline permitting processes for residential solar and storage.

Tesla strongly supports HB195, as it addresses some of the biggest obstacles to solar and storage growth in Hawaii. Today, local permitting processes can be complex, onerous, and costly for contractors and consumers alike, sometimes taking weeks or even months for a simple solar permit. Automatic and online systems, such as SolarAPP+, can produce 14 times more solar permits than traditional over-the-counter processes. Automated and streamlined permitting is a commonsense solution as Hawaii works towards meeting its climate goals.

HB-195

Submitted on: 2/1/2023 10:48:28 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Sandie Wong	American Council of Engineering Companies	Comments	Remotely Via Zoom

Comments:

Have concerns and questions on the bill.

ACEC

AMERICAN COUNCIL OF ENGINEERING COMPANIES
of Hawaii

50 Years of Excellence

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Email: gwright@acechawaii.org
Website: www.acechawaii.org

February 1, 2023

House Committee on Energy & Environmental Protection Hearing Date: Thursday, February 2, 2023, 8:30 a.m.

Honorable Chair Ichiyama, Vice Chair Poepoe, and Members of the House
Committee on Energy & Environmental Protection

Subject: **HB 195, Relating to Renewable Energy
Testimony in Opposition**

Dear Chair Ichiyama, Vice Chair Poepoe, and Committee Members:

The American Council of Engineering Companies of Hawaii (ACECH) represents more than 70 member firms with over 1,500 employees throughout Hawaii. ACECH **OPPOSES this bill.**

ACECH opposes the revisions to Section 464-13, which proposes to increase the estimated cost limits and completely exempt residential distributed energy resource systems. This language would allow work to be exempted from the requirement that plans and specifications for construction projects be prepared by a licensed Engineer or Architect as regulated under Chapter 464. We feel that the language is too broad and raises concerns about Life Safety.

Section 1 of HB195 notes that the exemptions from permitting requirements based on estimated costs have not been amended since 1979 and fail to account for inflation. Although we acknowledge this statement, it is important to note that building codes are ever evolving and improving based on decades of construction knowledge and experience, such as results of post-disaster research. Therefore, the basis of the cost limits determined in 1979 may not directly correlate to a simple inflationary equation. Licensed professionals have the specialized experience to ensure these evolving codes are complied with for the protection of the public.

ACECH is also concerned about the broad statement, in Section 464-13(c) that *“the provisions of this chapter shall not apply to work with respect to residential distributed energy resource system”*. This exemption from requiring a licensed Engineer or Architect has no limitation. There is no mention of a cost limit or other criteria. Section 1 of HB195 states that the intent is to encourage low-cost renewable energy generation and storage. We believe any proposed exemption should reflect the intent for “low-cost” systems. This language could allow for the installation of larger systems without the involvement of a licensed Engineer or Architect and potentially put the stability of structures in danger.

Respectfully submitted,
AMERICAN COUNCIL OF ENGINEERING COMPANIES OF HAWAII



Nimr Tamimi, P.E.
President

HB-195

Submitted on: 1/31/2023 11:12:13 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Roy Skaggs	Individual	Support	Written Testimony Only

Comments:

Aloha,

My name is Roy Skaggs and I am the Director of Sales at Alternate Energy, but I am also a solar customer. We employ about 100 local Hawaii men and women. I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future!

Roy Skaggs

HB-195

Submitted on: 1/31/2023 11:25:24 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Justin Furuta	Individual	Support	Written Testimony Only

Comments:

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Justin Furuta and I am an employee at Alternate Energy.

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future.

HB-195

Submitted on: 1/31/2023 11:57:26 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Kiana Moku	Individual	Support	Written Testimony Only

Comments:

I, Kiana Moku, work for a Solar Power operational company.

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future."

HB-195

Submitted on: 1/31/2023 12:06:34 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Terri Rhody	Individual	Support	Written Testimony Only

Comments:

I support this bill

HB-195

Submitted on: 1/31/2023 12:40:05 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Casey Dela Cruz	Individual	Support	Written Testimony Only

Comments:

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;**
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;**
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)**
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and**
- 5. carving out residential solar DERs from HRS 464 requirements.**

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future.

HB-195

Submitted on: 1/31/2023 12:41:51 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Julian Kahumana	Alternate Energy Hawaii	Support	Written Testimony Only

Comments:

Dear Honorable Legislators,

I am writing to express my support for the bill relating to renewable energy. As a resident of Hawaii, I believe it is important for our state to transition away from imported fossil fuels and towards locally available renewable energy sources.

I fully support the provisions in this bill to lower administrative barriers to the deployment of energy generation and storage technology systems. By requiring government entities in the state to implement SolarAPP+ or a functionally equivalent online automated permitting platform, we can help make the process of installing residential and commercial-scale distributed energy resources much simpler and more efficient.

I believe that online permitting tools such as SolarAPP+ have been proven to be effective and efficient in hundreds of government entities throughout the nation, and it is time for Hawaii to adopt these tools as well. By doing so, we can help meet the state's clean energy, reliability, and resilience needs in a timely and cost-effective manner.

I strongly urge you to pass this bill as soon as possible. The future of our state's energy infrastructure depends on it, and I am confident that this bill will play a critical role in helping us achieve our renewable energy goals.

Thank you for your time and consideration.

Sincerely,

Julian Kahumana

HB-195

Submitted on: 1/31/2023 12:55:52 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Xyila Caballero	Individual	Support	Written Testimony Only

Comments:

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future.

HB-195

Submitted on: 1/31/2023 12:57:26 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
PAUL OREM	Individual	Support	Written Testimony Only

Comments:

"Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

Paul Orem - CEO Photonworks Engineering LLP

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future."

HB-195

Submitted on: 1/31/2023 1:17:06 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Randall S Bricker	Individual	Support	Written Testimony Only

Comments:

Aloha Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Randall and I live and work on Oahu and I worked in the solar industry as a photovoltaics professional for many years.

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future.

HB-195

Submitted on: 1/31/2023 1:22:45 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Tina Sprague	Individual	Support	Written Testimony Only

Comments:

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Tina Sprague and I have been in the solar PV business for my livelihood for over 10 years. I currently work for one of Hawaii's most successful, locally-owned general electrical contractors and commercial PV companies, Photonworks Engineering.

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future.

Aloha,

Tina Sprague - photonworks **ENGINEERING LLP**

1234 South King Street Honolulu, HI 96814

T 808.951.4100 F 808.951.4102

photonworks.com

HB-195

Submitted on: 1/31/2023 1:36:59 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Steven Freiberger	Photonworks Engineering	Support	Written Testimony Only

Comments:

I had written an personal testimony, but an error in the web site, seems to have cleared it. so i will jsut copy and paste. this summary that I agree with.

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

[Introduce yourself and provide some background on your organization or perspective - noting your passion and being relatable, calm, and courteous is always a good thing - no all caps please]

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future."

HB-195

Submitted on: 1/31/2023 1:40:29 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Frank Okamura	Individual	Support	Written Testimony Only

Comments:

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

HB-195

Submitted on: 1/31/2023 1:40:33 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Eugene Bible	Individual	Support	Written Testimony Only

Comments:

As a renewable source of power, solar energy has an important role in reducing greenhouse gas emissions and mitigating climate change, which is critical to protecting humans, wildlife, and ecosystems. Solar coupled with battery storage also provides resiliency by providing a backup energy source when storms or other emergencies cause a power failure. We must remove the unnecessary roadblocks and burdens to installing solar plus storage systems so that all may access and benefits from solar energy!

HB-195

Submitted on: 1/31/2023 2:07:58 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Ella Aki	Individual	Support	Written Testimony Only

Comments:

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Ella Aki, and I am the Hawaii Regional Sales Manager for Fortress Power, a provider of turnkey energy storage solutions. I am also a native Hawaiian woman, born and raised in the ahupua'a of Ko'olaupoko, whose personal mission is to "build on the nexus of renewable energy, regenerative living, and indigenous culture."

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;
2. **removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;**
3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)
4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and
5. carving out residential solar DERs from HRS 464 requirements.

Thank you for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future.

Mahalo piha,

Ella Henanipuakea Aki

HB-195

Submitted on: 1/31/2023 2:37:51 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Crystal Martin	Individual	Support	Written Testimony Only

Comments:

Aloha, I am in support of streamlining the online permitting processes and procedures. It will save valuable time and resources on both the city and businesses.

HB-195

Submitted on: 1/31/2023 2:51:26 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Kate Thompson	Individual	Support	Written Testimony Only

Comments:

To meet our energy sustainable goals **we must speed up the application process.**

- HB195 establishes a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects. Currently families are often waiting more than 8 months to receive their permit. This is unacceptable and must be remedied. By implementing provisions in HB195, there will be auto-approval, proceed-to-build for all solar and storage projects that qualify for the online submittal.

-Rooftop solar power is a key tool in the fight against climate change. HB195 is a critical step needed to support Hawaii in achieving its decarbonization goals. Mahalo.

HB-195

Submitted on: 1/31/2023 2:57:31 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Jeff Lum	Individual	Support	Written Testimony Only

Comments:

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future."

HB-195

Submitted on: 1/31/2023 3:08:33 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Alexis Badayos	Individual	Support	Written Testimony Only

Comments:

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;
2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;
3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)
4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and
5. carving out residential solar DERs from HRS 464 requirements.

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future.

HB-195

Submitted on: 1/31/2023 3:19:07 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Maki Morinoue	Individual	Support	Written Testimony Only

Comments:

Aloha Committee Members,

I am in strong support of HB195.

With 8 months or more for permit approvals, this bill would directly address ongoing permitting challenges with installing solar panels in a timely manner. Let's streamline these types of processes that support our local families.

Hawai'i Island residents, those living in more rural locations, or those who want to move towards sustainability would have better opportunities.

Mahalo

Maki Morinoue

96725

HB-195

Submitted on: 1/31/2023 3:53:11 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Malachy Grange	Individual	Support	Written Testimony Only

Comments:

Dear elected Representatives

Please pass this bill. It is for our children and all future generations to limit our carbon based emissions. This will do that. Please, do the right thing.

Mahalo, Malachy Grange

HB-195

Submitted on: 1/31/2023 3:53:46 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Bradley Haruo Suzuki	Hawaii Unified	Support	Written Testimony Only

Comments:

I support bill HP195

HB-195

Submitted on: 1/31/2023 4:02:39 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Katherine Fryer	Individual	Support	Written Testimony Only

Comments:

I strongly support HB195 which addresses permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. I have spoken with several Oahu residents who want to install solar panels but have been delayed or discouraged due to permitting problems. We must streamline the process so that more of us can benefit from solar energy. Transitioning to this renewable power source would protect our environment and climate by reducing greenhouse gas emissions. And solar panels combined with battery storage would provide emergency backup power in the event of outages. Hawaii has been lucky to avoid major storms recently, but the threat of Category 5 hurricanes is rising and local, renewable energy would greatly improve our resilience.

HB-195

Submitted on: 1/31/2023 5:23:17 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Chris J	Individual	Support	Written Testimony Only

Comments:

Hawaii Permitting challenges have gone on far too long. Most projects taking 6 months or longer if not years to acquire permission to begin sombodies dream. Hawaii needs to be held accountable for the failure to provide permits in a reasonable time frame.

HB-195

Submitted on: 1/31/2023 6:27:23 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Lois Crozer	Individual	Support	Written Testimony Only

Comments:

I just put in a battery backup and I waited almost a year to get it permitted. This isn't right. No reason for this delay but ineptitude.

HB-195

Submitted on: 1/31/2023 7:06:34 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Lorna Holmes	Individual	Support	Written Testimony Only

Comments:

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of critical, common-sense measures that will streamline permitting. This is an important step to help Hawaii meet its climate goals, reduce costs for residents, and become more resilient. Hoping you will pass this as soon as possible. Mahalo,

Lorna Holmes, Honolulu 96817

HB-195

Submitted on: 1/31/2023 7:10:12 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
John Grandinetti	Grand Solar Inc	Support	Written Testimony Only

Comments:

We believe this bill is important for the advancement of the transition to clean energy statewide.

HB-195

Submitted on: 1/31/2023 7:32:52 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
David Thompson	Individual	Support	Written Testimony Only

Comments:

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future."

HB-195

Submitted on: 1/31/2023 7:59:46 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Ruta Jordans	Individual	Support	Written Testimony Only

Comments:

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of critical, common-sense measures that will streamline permitting. This is an important step to help Hawaii meet its climate goals, reduce costs for residents, and become more resilient.

HB-195

Submitted on: 1/31/2023 8:03:05 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Christopher stedman	Individual	Support	Written Testimony Only

Comments:

I support HB 195.

HB-195

Submitted on: 1/31/2023 8:04:05 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Benjamin Cruz	Individual	Support	Written Testimony Only

Comments:

Streamlining the process is crucial

HB-195

Submitted on: 1/31/2023 8:11:25 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Cory Harden	Individual	Support	Written Testimony Only

Comments:

Aloha legislators,

Want to reach our renewable energy goals? Support this measure! People should not have to wait for months for solar permits. Battery storage is improving rapidly, so solar now rivals fossil-fuel power as a "firm" source.

mahalo, Cory Harden

HB-195

Submitted on: 1/31/2023 8:14:56 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Elizabeth Hansen	Individual	Support	Written Testimony Only

Comments:

Aloha

Solar energy is critical need for Hawai'i. Please streamline the process.

Mahalo.

Elizabeth Hansen

Hakalau HI 96710

HB-195

Submitted on: 1/31/2023 8:18:25 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Rodger Hansen	Individual	Support	Written Testimony Only

Comments:

Aloha

Solar energy is critical need for Hawai'i. Please streamline the process by passing this bill.

Mahalo.

Rodger Hansen, Hakalau HI 96710

HB-195

Submitted on: 1/31/2023 8:38:39 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Tanya Gamby	Individual	Support	Written Testimony Only

Comments:

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of critical, common-sense measures that will streamline permitting. This is an important step to help Hawaii meet its climate goals, reduce costs for residents, and become more resilient.

HB-195

Submitted on: 1/31/2023 8:50:02 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Paul Bernstein	Individual	Support	Written Testimony Only

Comments:

Aloha Chair Lowen, Vice-chair Cochran, and committee members of EEP:

I'm testifying in support of because it addresses longstanding permitting issues that are the primary roadblock to the installation of more solar energy in Hawai`i. If we're to meet our renewable energy and climate resilience goals, we must reform and improve upon our existing permitting system. HB195 includes a number of critical, common-sense measures that will streamline permitting. Rooftop solar is a key component of our arsenal to reduce greenhouse gas emissions and fight climate change. Please pass this important bill out of your committee.

Mahalo nui loa,

Paul Bernstein

HB-195

Submitted on: 1/31/2023 8:56:18 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Matthew Geyer	Individual	Support	Written Testimony Only

Comments:

Testimony in support of HB195

Thank you for this and all measures that support solar energy.

Streamlining the permitting process is essential to help reduce our need for fossil fuels.

Measures like this will reduce our dependence on fossil fuels, by helping more residents add solar plus battery storage to their homes, as quickly as possible. This is an important step to reduce emissions from polluting fossil fuels, reduce costs for residents, and increase resiliency.

Matthew Geyer

Hawaii Environmental Change Agents

HB-195

Submitted on: 1/31/2023 9:08:37 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Harvey Arkin	Individual	Support	Written Testimony Only

Comments:

aloha,

-I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of critical, common-sense measures that will streamline permitting. This is an important step to help Hawaii meet its climate goals, reduce costs for residents, and become more resilient.

-As a renewable source of power, solar energy has an important role in reducing greenhouse gas emissions and mitigating climate change, which is critical to protecting humans, wildlife, and ecosystems. Solar coupled with battery storage also provides resiliency by providing a backup energy source when storms or other emergencies cause a power failure. We must remove the unnecessary roadblocks and burdens to installing solar plus storage systems so that all may access and benefits from solar energy!

- HB195 establishes a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects. Currently families are often waiting more than 8 months to receive their permit. This is unacceptable and must be remedied. By implementing provisions in HB195, there will be auto-approval, proceed-to-build for all solar and storage projects that qualify for the online submittal.

-Rooftop solar power is a key tool in the fight against climate change. HB195 is a critical step needed to support Hawaii in achieving its decarbonization goals!

Mahalo

HB-195

Submitted on: 1/31/2023 11:40:46 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Laura Sasaki	Individual	Support	Written Testimony Only

Comments:

-I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of critical, common-sense measures that will streamline permitting. This is an important step to help Hawaii meet its climate goals, reduce costs for residents, and become more resilient.

-As a renewable source of power, solar energy has an important role in reducing greenhouse gas emissions and mitigating climate change, which is critical to protecting humans, wildlife, and ecosystems. Solar coupled with battery storage also provides resiliency by providing a backup energy source when storms or other emergencies cause a power failure. We must remove the unnecessary roadblocks and burdens to installing solar plus storage systems so that all may access and benefits from solar energy!

- HB195 establishes a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects. Currently families are often waiting more than 8 months to receive their permit. This is unacceptable and must be remedied. By implementing provisions in HB195, there will be auto-approval, proceed-to-build for all solar and storage projects that qualify for the online submittal.

-Rooftop solar power is a key tool in the fight against climate change. HB195 is a critical step needed to support Hawaii in achieving its decarbonization goals!

HB-195

Submitted on: 2/1/2023 6:07:06 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Theresa M Thompson	Individual	Oppose	Written Testimony Only

Comments:

I oppose HB195. I oppose taking Ag land out of Ag. There are many parkings lots and buildings where solar can be installed. It is important to produce food on Ag lands.

Theresa Thompson

HB-195

Submitted on: 2/1/2023 6:24:55 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Jim Vasquez	Individual	Support	Written Testimony Only

Comments:

"Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Jim Vasquez and I work at Alternate Energy and think this needs to pass as we have many employees who rely on this industry to make a living.

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future."

HB-195

Submitted on: 2/1/2023 7:11:37 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Helen Cox	Individual	Support	Written Testimony Only

Comments:

Please pass HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. This is an important step to help Hawaii meet its climate goals, reduce costs for residents, and become more resilient.

Solar energy has an important role in reducing greenhouse gas emissions and mitigating climate change, which is critical to protecting humans, wildlife, and ecosystems. Solar coupled with battery storage also provides resiliency by providing a backup energy source when storms or other emergencies cause a power failure. We must remove the unnecessary roadblocks and burdens to installing solar plus storage systems so that all may access and benefits from solar energy!

Currently families are often waiting more than 8 months to receive their permit. This is unacceptable and must be remedied. By implementing provisions in HB195, there will be auto-approval, proceed-to-build for all solar and storage projects that qualify for the online submittal. Rooftop solar power is a key tool in the fight against climate change. HB195 is a critical step needed to support Hawaii in achieving its decarbonization goals! Mahalo!

HB-195

Submitted on: 2/1/2023 7:23:39 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Joy	Individual	Support	Written Testimony Only

Comments:

I support HB195!

HB-195

Submitted on: 2/1/2023 7:32:50 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Wei Lun Lian	Individual	Support	Written Testimony Only

Comments:

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of common-sense measures such as:

- 1. establishing a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects;*
- 2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;*
- 3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+ (or the functional equivalent.)*
- 4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and*
- 5. carving out residential solar DERs from HRS 464 requirements.*

Mahalo for giving me the opportunity to provide testimony on this critically important bill for Hawaii's clean and resilient energy future."

HB-195

Submitted on: 2/1/2023 7:43:10 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Kathryn Troyan	Individual	Support	Written Testimony Only

Comments:

Dear Honorable Legislators,

I am writing to express my support for the bill relating to renewable energy. As a resident of Hawaii, I believe it is important for our state to transition away from imported fossil fuels and towards locally available renewable energy sources.

I fully support the provisions in this bill to lower administrative barriers to the deployment of energy generation and storage technology systems. By requiring government entities in the state to implement SolarAPP+ or a functionally equivalent online automated permitting platform, we can help make the process of installing residential and commercial-scale distributed energy resources much simpler and more efficient.

I believe that online permitting tools such as SolarAPP+ have been proven to be effective and efficient in hundreds of government entities throughout the nation, and it is time for Hawaii to adopt these tools as well. By doing so, we can help meet the state's clean energy, reliability, and resilience needs in a timely and cost-effective manner.

I strongly urge you to pass this bill as soon as possible. The future of our state's energy infrastructure depends on it, and I am confident that this bill will play a critical role in helping us achieve our renewable energy goals.

Thank you for your time and consideration.

Sincerely,
Kathryn Troyan, Makiki Resident

HB-195

Submitted on: 2/1/2023 7:59:13 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
R A Culbertson	Individual	Support	Written Testimony Only

Comments:

Aloha Representatives!

Permitting delays are a problem, to be sure.

We are in a climate emergency!

Repeat, we are in a climate emergency!

Your action is required!!

Mahalo nui loa.

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Michael Johnson, and I have been a Hawaii resident for over 25 years. I have also passionately focused the past 12 years of my career to the solar industry, in-line with our state's initiative to expand availability of renewable energy with commercial and residential solar.

To continue on the great path that we have paved as leaders in the nation, we must remove unnecessary barriers for solar installation and financing businesses to scale and operate cost effectively. Therefore, I am writing to provide my **strong support** for **HB195**.

Solar permitting challenges and delays can be a thing of the past by simply utilizing SolarAPP+ and implementing commonsense updates for solar permitting. Below are several recommended measures that I agree with:

1. establishing a requirement to implement SolarAPP+ to streamline online permitting for smaller-scale solar and energy storage projects;
2. removing the burdensome MM# requirement for solar distributed energy resource (DER) systems;
3. creating a self-certification pathway for all solar DER projects that do not qualify for SolarAPP+.
4. raising dollar thresholds in HRS 464-13 that establish exemptions from professional stamp requirements that have not been updated since 1979; and
5. carving out residential solar DERs from HRS 464 requirements.

Thank you for the opportunity to provide testimony. This bill will help the businesses that are advancing Hawaii's clean energy transition to be more efficient and effective, which ultimately will benefit our economy, residents and future generations.

Mahalo,

Michael Johnson
Resident, and Hawaii solar industry professional

HB-195

Submitted on: 2/1/2023 8:37:14 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Seth Levin	Hawaii Unified Industries	Support	Written Testimony Only

Comments:

Dear Chairs Lowen and Ichiyama, Vice-Chairs Cochran and Poepoe, and committee members:

My name is Seth Levin and despite what the online prompt above says, I am writing this letter not only on behalf of my organization but also a concerned citizen and ardent support of renewable energies. I have been living on Oahu for the last 9 years and have been working in the solar industry since 2014. I have been involved intimately in the development and permitting of Solar Projects. The permitting process has always taken longer than myself or any of my colleagues want but in the last 2-3 years the situation has become dire. It can take over a year to process relatively simple and small PV projects. These delays lead to the cancellation of jobs, stresses on the contractor from a financial perspective among other ill consequences. Most importantly, however, it leaves a bad impression with the customer reflecting poorly on the contractor, the city and the industry which could lower popular support for renewable energy.

SolarApp+ is a great tool for Cities, counties and municipalities to quickly review and vet PV permits. The technology was developed in part by the US Energy Department and NREL. It also has a high level of support from government officials like Secretary of the Energy Department, Jennifer Granholm. This tool will not only decrease the time projects spend in review at the city and county but also give back precious time to your plan reviewers to focus on other projects. This is so important when thinking about the volume of PV permits that pass through the City and County every year.

Thank you for your time and consideration,

Seth Levin

HB-195

Submitted on: 2/1/2023 10:02:24 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

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

Comments:

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of critical, common-sense measures that will streamline permitting. This is an important step to help Hawaii meet its climate goals, reduce costs for residents, and become more resilient.

-As a renewable source of power, solar energy has an important role in reducing greenhouse gas emissions and mitigating climate change, which is critical to protecting humans, wildlife, and ecosystems. Solar coupled with battery storage also provides resiliency by providing a backup energy source when storms or other emergencies cause a power failure. We must remove the unnecessary roadblocks and burdens to installing solar plus storage systems so that all may access and benefits from solar energy!

- HB195 establishes a requirement to implement SolarAPP+ or a functional equivalent to streamline online permitting for smaller-scale solar and energy storage projects. Currently families are often waiting more than 8 months to receive their permit. This is unacceptable and must be remedied. By implementing provisions in HB195, there will be auto-approval, proceed-to-build for all solar and storage projects that qualify for the online submittal.

-Rooftop solar power is a key tool in the fight against climate change. HB195 is a critical step needed to support Hawaii in achieving its decarbonization goals!

Thank you

HB-195

Submitted on: 2/1/2023 10:12:30 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Ron Reilly	Individual	Support	Written Testimony Only

Comments:

Thank you Committee Chairs for agreeing to hear HB195.

I am in strong support of this measure.

Rooftop solar power is a key tool in the fight against climate change. HB195 is a critical step needed to support Hawaii in achieving its decarbonization goals!

Respectfully, Ron Reilly

Volcano Village, HI 96785

HB-195

Submitted on: 2/1/2023 11:04:04 AM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Roberta Baker	Individual	Support	Written Testimony Only

Comments:

Strongly support HB195. HB195 offers a number of critical, common-sense measures that will streamline permitting. This is an important step to help Hawaii meet its climate goals, reduce costs for residents, and become more resilient.

HB-195

Submitted on: 2/1/2023 12:33:35 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Vivien Lee and Charlie Reppun	Individual	Support	Written Testimony Only

Comments:

We support HB195. Hawaii needs to expedite the approval process for installing solar energy systems. The sooner we expand our clean energy production, the better; no time to waste given the world climate crisis!

mahalo,

Vivien Lee and Charlie Reppun

HB-195

Submitted on: 2/1/2023 1:32:10 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Severine Busquet	Individual	Support	Written Testimony Only

Comments:

Aloha,

I strongly support HB195 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. HB195 offers a number of critical, common-sense measures that will streamline permitting. This is an important step to help Hawaii meet its climate goals, reduce costs for residents, and become more resilient.

Thanks for your attention

Severine busquet
Honolulu, 96825

HB-195

Submitted on: 2/1/2023 2:27:05 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Jesse Palmer	Individual	Support	Written Testimony Only

Comments:

I applied for solar panels in 2021 and it took over a year for the panels to be approved. As Hawaii transitions to clean energy, we cannot afford these types of delays. Solar permitting needs to be reformed and streamlined. If we are going to bring the type of capacity online that we need to transform Hawaii, we first need to update the permitting system.

HB-195

Submitted on: 2/1/2023 7:20:11 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Melissa Barker	Individual	Support	Written Testimony Only

Comments:

Honorable Members,

Please support HB195 which streamlines the permitting process for solar and storage.

Thank you,

Melissa Barker

Kapaa, HI

HB-195

Submitted on: 2/1/2023 8:24:59 PM

Testimony for EEP on 2/2/2023 8:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Joan Gannon	Individual	Support	Written Testimony Only

Comments:

Please support HB195. It supports green energy and we need to make as much green energy as possible in order to stop using fossil fuels. Our planet is begging for us to move on this ASAP. thanks your South Kona friend

Joan Gannon