



HAWAII STATE ENERGY OFFICE STATE OF HAWAII

JOSH GREEN, M.D.
GOVERNOR

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

before the
**SENATE COMMITTEES ON
ENERGY, ECONOMIC DEVELOPMENT, AND TOURISM
AND
GOVERNMENT OPERATIONS**

Thursday, February 9, 2023
1:00 PM
State Capitol, Conference Room 229 & Videoconference

Providing COMMENTS on
SB 781

RELATING TO RENEWABLE ENERGY.

Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and Members of the Committees, the Hawai'i State Energy Office (HSEO) offers comments on SB 781.

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 SolarAPP+ in the future.² It is possible that if Hawai'i jurisdictions were to use

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>

SolarAPP+, the urgency of upgrading the app to accommodate Hawai'i's needs could 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 already 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.



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Joe Carter, Coca-Cola Bottling of Hawaii, Odom, *Advisor*
Charlie Gustafson, Tamura Super Market, *Immediate Past Chair*

TO: Committee on Energy, Economic Development, and Tourism, and Committee on Government Operations

FROM: HAWAII FOOD INDUSTRY ASSOCIATION
Lauren Zirbel, Executive Director

DATE: February 9, 2023
TIME: 1pm
PLACE: Via Videoconference

RE: SB781 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.

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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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.



Hawaii Solar Energy Association
Serving Hawaii Since 1977

Testimony of The Hawaii Solar Energy Association (HSEA) Regarding SB781, Relating to Renewable Energy, Before the Senate Committee on Energy, Economic Development, and Tourism and the Senate Committee on Government Operations

Thursday, February 9, 2023

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members:

The Hawaii Solar Energy Association (HSEA) **strongly supports SB781**, which contains a series of measures 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 along with leading global cleantech manufacturers and service providers that invest and sell in our market. We employ thousands of residents in diverse green economy jobs that are innovating, designing, and building Hawaii's pathway to a renewable energy future. 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 reliable and affordable power that reduces energy cost burden for all and contributes to Hawaii's energy security 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.

SB781 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 for PV and PV+Storage projects in numerous 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. In addition to causing delay and extra cost, this unnecessary requirement stifles innovation and blocks new lower-cost technologies and products from entering our market.

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-



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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 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 SB781** and respectfully urges the committee to advance this measure.

Thank you for the opportunity to testify.

Sincerely,

/s/ Rocky Mould

Rocky Mould
Executive Director



To: The Senate Committee on Energy and Economic Development, and Tourism (EET)
and
The Senate Committee on Government Operations (GVO)
From: Sherry Pollack, 350Hawaii.org
Date: Thursday, February 9, 2023, 1pm

In strong support of SB781

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and members of the EET and GOV committees,

I am Co-Founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. 350Hawaii.org is in **strong support of SB781** 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, SB781 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.

SB781 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 ***without compromising on safety***. Addressing these permitting issues is essential if Hawaii is to achieve its decarbonization goals, reduce costs for residents, and become more resilient.

This measure is a true game-changer. In particular, by establishing a requirement to implement SolarAPP+ or a functional equivalent, SB781 will streamline online permitting for smaller-scale solar and energy storage projects. **It is noted that the National Renewable Energy Laboratory, (NREL), developed SolarAPP+ in a collaborative partnership with industry and the building safety community, with funding from the U.S. Department of Energy.** Currently, Hawaii's families are often waiting more than 8 months to receive their permit. This is unacceptable and must be remedied. By implementing provisions in SB781, there will be auto-approval, proceed-to-build for all solar and storage projects that qualify for the online submittal. In jurisdictions in California already using the SolarAPP+, they have shortened waits for permits from months to a single day.

This bill also provides exemptions based on cost estimates that currently require a licensed professional engineer or architect for the installation, which currently adds on thousands of dollars to the

project. **These cost thresholds have not been updated since 1979** and will be triggered when a family plans to install solar plus storage. The requirement for a *licensed* professional engineer or architect is unwarranted and there is no safety issue created by removing this requirement. This work can be done safely and proficiently by professional technicians.

Rooftop solar power reduces greenhouse gas emissions, and as such, is a key tool in our fight against the climate crisis. SB781 is a crucial step needed 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 REGARDING S.B. 781**Thursday, February 2, 2023 at 8:30 AM**

Aloha Chair DeCoite, Chair McKelvey, Vice Chair Wakai, Vice Chair Gabbard, and Members of the Committees:

Thank you for the opportunity to provide testimony regarding S.B. 781, which requires government entities to implement online automated platforms and streamline permitting processes for residential solar and storage.

Tesla strongly supports S.B. 781, as it addresses some of the biggest obstacles to solar and storage growth in Hawaii.

Today, local permitting processes can be complex 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.

Thank you,



Noelani Derrickson

Public Policy & Business Development



Email: communications@ulupono.com

SENATE COMMITTEES ON ENERGY, ECONOMIC DEVELOPMENT, & TOURISM AND
GOVERNMENT OPERATIONS

Thursday, February 9, 2023 — 1:00 p.m.

Ulupono Initiative supports SB 781, Relating to Renewable Energy.

Dear Chair DeCoite, Chair McKelvey, and Members of the Committees:

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

Ulupono supports SB 781, 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; 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; and, 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.

Ulupono supports the use of SolarAPP+, or an equivalent platform, to help streamline solar and energy storage project permitting. Solar photovoltaic (PV) systems are becoming so common that there is little risk and much to gain in terms of timeliness with such systems as more renewable energy can be installed at a faster rate and may even decrease the workload on already burdened county planning and permitting departments. The self-certifying procedure listed in this bill also supports a streamlined process for renewable energy projects. We also note that, as suggested in the bill, there may be a need to adjust the threshold included in statute to accommodate for inflation.

Thank you for the opportunity to testify.

Respectfully,

Micah Munekata
Director of Government Affairs

Investing in a Sustainable Hawai'i

SB-781

Submitted on: 2/7/2023 3:04:57 PM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

Currently the permitting process impedes residential & other smaller solar and energy storage projects. Renewable solar energy is an important component in decarbonizing our homes and other buildings and lowering our carbon emissions. Let's make it easier for people to participate and do the right thing. This is low hanging fruit for the state in its efforts to meet its goals in fighting the climate crisis.



SIERRA CLUB OF HAWAI'I

SENATE COMMITTEE ON ENERGY, ECONOMIC DEVELOPMENT AND TOURISM AND SENATE COMMITTEE ON GOVERNMENT OPERATIONS

February 9, 2023 1:00 PM Conference Room 229

In SUPPORT of SB781: Relating to Renewable Energy

Aloha Chairs Decoite and McKelvey, Vice Chairs Wakai and Gabbard, and Members of the Committees,

On behalf of our over 20,000 members and supporters, the Sierra Club of Hawai'i **SUPPORTS** SB781, which will help to enhance our islands' climate resiliency by helping to expand our 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 centralized 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 costs from the ballooning price of fossil fuels, and ensure greater energy resiliency should a climate change-related extreme weather event impact our islands' largely centralized energy 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. SB781 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** SB781. Mahalo nui for the opportunity to testify.

LATE

SB-781

Submitted on: 2/8/2023 1:02:07 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Dave Mulinix	Testifying for Our Revolution Hawaii	Support	Written Testimony Only

Comments:

Aloha Committee,

On behalf of Our Revolution Hawai‘i's 5,000 member and supporters statewide, we stand in Strong Support of passage of SB781, which is designed to directly address ongoing permitting challenges with installing solar panels. Permit approvals for solar panels can be delayed for up to year. SB781 Solar App will quicken permitting time to just a few hours, speeding up getting more solar panels on roof tops and parking lots, which will quicken our response to Climate Change, and get us off fossil fuels more quickly.

There are several excellent reasons to pass SB781:

SB781 addresses longstanding permitting issues that impede progress on Hawai‘i's renewable energy and climate resilience goals.

SB781 offers a number of critical, common-sense measures that will streamline permitting. This is an important step to help Hawai‘i 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!

SB781 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 up to a year to receive their permit. This is unacceptable and must be remedied. By implementing provisions in SB781, there will be auto-approval, proceed-to-build for all solar and storage projects that qualify for the online submittal.

Please pass SB781 it will economically greatly decrease permitting time for the installation of solar panels from months to hours, increasing the State's ability to increase the number of solar panels on rooftops and parking lots, and help the State reach it's goals for cutting CO2 emissions.

Mahalo for your kind attention,

Dave Mulinix, Cofounder & Hawai'i State Organizer

Our Revolution Hawai'i.

ACEC

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of Hawaii

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February 9, 2023

Senate Committee on Energy, Economic Development, and Tourism / Senate Committee on Government Operations Hearing Date: Thursday, February 9, 2023, 1:00 p.m.

Honorable Chairs DeCoite & McKelvey, Vice Chairs Wakai & Gabbard, and
Members of the Senate Committees

Subject: **SB 781, Relating to Renewable Energy Testimony in Opposition**

Dear DeCoite & McKelvey, Vice Chairs Wakai & Gabbard, 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 SB781 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 SB781 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



February 7, 2023

TO: Honorable Lynn DeCoite, Chair
Committee on Energy Economic Development, and
Tourism

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

SUBJECT: **Re: Senate Bill 781
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 DeCoite and Members of the Committee,

My name is Reid Mizue, President, AIA Hawaii Council submitting **OPPOSITION** on Senate Bill 781, but only as the measure relates to Section 4 of SB 781, 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 SB 781 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.

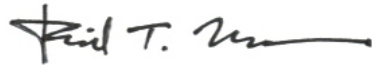
- A residential renovation to include a bedroom addition to a single storied / single-family structure, that costs only \$159,999 or \$139,999 respectively, SB 781 would allow an exemption from a licensed professional to developed stamped and signed drawings and specifications. An unlicensed draftsman 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 SB 781 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 SB 781, 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 Senate Bill 781.

Sincerely,

A handwritten signature in black ink, appearing to read "Reid T. Mizue". The signature is fluid and cursive, with a long horizontal stroke at the end.

Reid Mizue, AIA

American Institute of Architects, Hawaii State Council

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

**Before the
Senate Committee on Energy, Economic Development, and Tourism
and
Senate Committee on Government Operations
Thursday, February 9, 2023
1:00 p.m.
Conference Room 229 & Videoconference**

**On the following measure:
S.B. 781, RELATING TO RENEWABLE ENERGY**

Chair DeCoite, Chair McKelvey, and Members of the Committees:

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 amends subsections (a) and (b) of Hawaii Revised Statutes (HRS) section 464-13 by increasing all four of the existing cost valuation exemptions. It is unclear to the Board how these cost increases were calculated. 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 professional to allow for larger scaled projects, such as major renovations that will jeopardize the health, safety,

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

S.B. 781

Page 2 of 2

or welfare of consumers. The Board would have no recourse to take action against an unlicensed person who provides substandard plans.

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.

Before amending HRS chapter 464 as this bill proposes to do, the Board encourages further discussion between the proponents of this measure and other major stakeholders.

Thank you for the opportunity to testify on this bill.



Testimony Before the Senate Committees on Energy, Economic Development and
Tourism; and Government Operations

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 9, 2023; 1:00 pm
Conference Room #229 & Videoconference

Senate Bill No. 781 - RELATING TO RENEWABLE ENERGY

To the Honorable Senator Lynn DeCoite, Chair, Senator Angus L.K. McKelvey, 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.



Environmental Caucus of The Democratic Party of Hawai'i

February 8, 2023

To: The Honorable Lynn DeCoite, Chair
The Honorable Glenn Wakai, Vice Chair, and Members of the
Senate Committee on Energy, Economic Development & Tourism
and
The Honorable Angus L.K. McKelvie, Chair
The Honorable Mike Gabbard, Vice Chair, and Members
Senate Committee on Government Operations
Senate, Hawaii State Legislature

Re: SB 781 – Relating to Renewable Energy

Hearing: Thursday, February 9, 2023, 1:00 pm, Room 229 & videoconference

Position: **Strong Support**

Aloha, Chairs DeCoite and, Vice Chairs Wakai and Gabbard, and Committee Members:

The Environmental Caucus of the Democratic Party of Hawai'i strongly supports SB 781. Its provisions would eliminate many of the very serious barriers that homeowners in Hawai'i 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 goal 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,

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

SB-781

Submitted on: 2/8/2023 7:57:21 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Sara DiGrazia	Individual	Support	Remotely Via Zoom

Comments:

Dear Senators,

My name is Sara DiGrazia. I am a kama'aina resident of Kailua and mom of two precious children who speak frankly of not having children due to their *supported* fears regarding climate change and widespread environmental degradation. I ask you to support SB781 which makes renewable energy more accessible and helps us progress toward a more resilient Hawai'i/world.

-Sara DiGrazia, Psy.D.

SB-781

Submitted on: 2/6/2023 11:12:50 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Paul Bernstein	Testifying for HECA Decarbonization of Buildings Task Force	Support	Written Testimony Only

Comments:

Aloha Chair DeCoite, Chair McKelvy, and committee members of EET and GVO:

I'm testifying in **stong support** of SB781 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. SB781 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

Chair of HECA's Decarbonization of Buildings Task Force

SB-781

Submitted on: 2/7/2023 12:30:39 PM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

Dear Honorable Members of the Legislature,

I am writing in support of the Renewable Energy Bill, which aims to lower administrative barriers to the deployment of energy generation and storage technology systems. As a resident of the State of Hawaii, I strongly believe that this bill is necessary to promote the adoption of locally available renewable energy sources, as well as to ensure the timely build-out of a diverse, resilient, and reliable portfolio of low-cost renewable energy.

The purpose of this bill is commendable and I fully support the implementation of SolarAPP+ or a functionally equivalent online automated permitting platform. This will make the permitting process for residential and commercial-scale distributed energy resources much more efficient, reducing the time and cost associated with adoption of residential solar and energy storage projects.

In addition, I believe that the self-certification process for solar and energy storage projects is a critical step in reducing administrative barriers to the deployment of these technologies. This process will allow applicants to proceed with the build-out of their projects without delay, while ensuring compliance with all applicable codes and laws.

In conclusion, I urge you to support this bill, which will play a crucial role in advancing the State of Hawaii's clean energy, reliability, and resilience goals. Thank you for considering my thoughts and views on this matter.

Sincerely,

Julian Kahumana

SB-781

Submitted on: 2/7/2023 9:40:55 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Ella Aki	Testifying for Fortress Power	Support	Written Testimony Only

Comments:

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members:

My name is Ella Aki and I am a native Hawaiian woman working in the renewable energy industry as Hawaii's Regional Sales Manager for Fortress Power, a provider of quality lithium energy storage solutions. My personal motto is "to build on the nexus between renewable energy, regenerative living, and indigenous culture."

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

Me ka ha'aha'a,

Ella Aki

SB-781

Submitted on: 2/7/2023 12:36:16 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Chazz	Testifying for Revolusun	Support	Written Testimony Only

Comments:

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

SB-781

Submitted on: 2/6/2023 6:35:45 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Will Caron	Individual	Support	Written Testimony Only

Comments:

I support SB781.

SENATE COMMITTEE ON ENERGY, ECONOMIC DEVELOPMENT, AND TOURISM
SENATE COMMITTEE ON GOVERNMENT OPERATIONS
Feb. 9, 2023

SUPPORTING SB 781

Aloha, my name is John Kawamoto, and I support SB 781. Hawaii should be advancing as quickly as possible to a clean, renewable energy future to mitigate climate change. In this regard, the Legislature passed a resolution declaring a climate emergency, as well as a bill establishing a goal of net-negative emissions goal by 2045.

Solar power is clean and renewable, and, along with wind energy, it is now the cheapest form of energy. When paired with battery storage, whose costs have also been declining sharply, solar can provide reliable energy, even at night and on cloudy days.

Reliability was highlighted by the recent hurricanes in Florida and Puerto Rico. When power lines went down, residential solar kept generating electricity in the great majority of cases.

Currently, families are often waiting more than eight months to receive their permit to install solar for their homes. This bill will make auto-approval, proceed-to-build a reality for all solar and storage projects that qualify for the online submittal.

This bill will move Hawaii more quickly toward a 100% clean, renewable energy future and a more livable Earth for us, for our children, and future generations.

SB-781

Submitted on: 2/7/2023 10:10:30 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Dan Johnson	Individual	Support	Written Testimony Only

Comments:

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members:

I would like to express my support for SB 781. I have also dedicated the past 8 years of my career as a Project Manager in the solar industry because I support efforts to provide energy independence for families and individuals, as well as the economic benefits that come with offsetting the very high and fluctuating energy costs in Hawaii.

To better serve our residents and small businesses and 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 **SB781**.

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

Mahalo,

Dan Johnson

Resident of HI District 12

SB-781

Submitted on: 2/7/2023 10:20:22 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Kim Keahiolalo	Individual	Support	Written Testimony Only

Comments:

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and Committee Members,

I am a long time veteran of solar energy. Solar in Hawaii is a win for people, the environment and strengthens our island security and independence from the threat of global energy economics. A PV system on a roof in Hawaii equals thousands of gallons of oil that are not on our beautiful ocean. I have been working in Hawaii as a solar installer for ten years and now am helping other installers through offering a friendly finance option to homeowners so they can achieve their dreams of lower utility bills. I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

Kim Keahiolalo

808-333-6635

SB-781

Submitted on: 2/7/2023 10:30:07 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Dawn Morais Webster Ph.D.	Individual	Support	Written Testimony Only

Comments:

Please move forward bills like this one that will help us repair the damage we ahve done to our planet, save money and make amends for our past misdeeds.

SB781 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 **SB781**, 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. **SB781** is a critical step needed to support Hawaii in achieving its decarbonization goals!

Please move this bill forward.

SB-781

Submitted on: 2/7/2023 11:02:05 AM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

I strongly support SB781. Permitting delays are effectively strangling rooftop solar projects in Hawaii, endangering our future, and financially harming residents who are forced to pay utility bills for months or years after they have already paid for the installation of distributed energy resources. Urgent action is needed to avert the worst consequences of climate change before it is too late!

SB-781

Submitted on: 2/7/2023 11:06:53 AM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members:

My name is Roy Skaggs and I am the Director of Sales at Alternate Energy who employs about 100 local people, but I am also a solar customer. Everyone should be able to have access to clean and cheap energy.

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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

SB-781

Submitted on: 2/7/2023 11:12:57 AM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members:

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

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

SB-781

Submitted on: 2/7/2023 11:13:28 AM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

SB-781

Submitted on: 2/7/2023 11:15:02 AM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members:

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

SB-781

Submitted on: 2/7/2023 11:19:27 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Tadia Rice	Individual	Support	Written Testimony Only

Comments:

I strongly support **SB781** which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. **SB781** 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. 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!

Please pass **SB781** to establish 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 **SB781**, there will be auto-approval, proceed-to-build for all solar and storage projects that qualify for the online submittal.

Mahalo!

SB-781

Submitted on: 2/7/2023 11:21:12 AM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

I support this bill

SB-781

Submitted on: 2/7/2023 11:23:08 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Caitlyn Bradle	Individual	Support	Written Testimony Only

Comments:

Hello, My name is Caitlyn Bradle, I am and always have been a very firm believer in clean and renewable energy sources. As far as i'm concerned we should operate solely on renewable energy sources as they are how we will continue to thrive and succeed as a civilization.

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

Caitlyn Bradle

SB-781

Submitted on: 2/7/2023 12:01:53 PM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

I am in support of SB781.

SB-781

Submitted on: 2/7/2023 12:20:59 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Alan Agena	Individual	Support	Written Testimony Only

Comments:

I Strongly support **§196-A Building permit; issuing entity; adoption of online permitting tools for solar distributed energy resource systems.** the improvement to the online permitting process. While steps have been made and have been helpful, improvements can be mde to speed up the process.

Thank you for your time.

Alan

SB-781

Submitted on: 2/7/2023 12:36:12 PM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members,

I am writing in support of the Renewable Energy Bill, which aims to lower administrative barriers to the deployment of energy generation and storage technology systems. As a resident of the State of Hawaii, I strongly believe that this bill is necessary to promote the adoption of locally available renewable energy sources, as well as to ensure the timely build-out of a diverse, resilient, and reliable portfolio of low-cost renewable energy.

The purpose of this bill is commendable and I fully support the implementation of SolarAPP+ or a functionally equivalent online automated permitting platform. This will make the permitting process for residential and commercial-scale distributed energy resources much more efficient, reducing the time and cost associated with adoption of residential solar and energy storage projects.

In addition, I believe that the self-certification process for solar and energy storage projects is a critical step in reducing administrative barriers to the deployment of these technologies. This process will allow applicants to proceed with the build-out of their projects without delay, while ensuring compliance with all applicable codes and laws.

In conclusion, I urge you to support this bill, which will play a crucial role in advancing the State of Hawaii's clean energy, reliability, and resilience goals. Thank you for considering my thoughts and views on this matter.

Sincerely,

Wei Lun Lian

SB-781

Submitted on: 2/7/2023 12:53:53 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
John K Cheever	Individual	Support	Written Testimony Only

Comments:

Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members:

*Many of you have spoken in the past about **diversifying Hawaii's economy**. We are currently leading the world in renewable energy development and can leverage that position to **lower the cost of living for our citizens and produce the jobs of the future** for our children to return home.*

Without the governmental infrastructure to develop projects in a timely manner, all pronouncements to supporting renewable energy ring hollow.

For these reasons, I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

Mahalo.

John Kale Cheever

SB-781

Submitted on: 2/7/2023 2:51:19 PM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members:

My name is Miles and I have over 10 years experience in clean renewable energy here in Hawaii. Myself along with others who strongly support SB781, humbly asked for your support which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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,

Miles Yoshimoto

SB-781

Submitted on: 2/7/2023 2:57:53 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
pamela burrell	Individual	Support	Written Testimony Only

Comments:

Aloha Senators,

SB781 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.

I strongly support this bill!

Regards,

Pamela Burrell, Kalihiwai, Kaua'i

SB-781

Submitted on: 2/7/2023 3:01:56 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Keith Neal	Individual	Support	Written Testimony Only

Comments:

Suport

Hawaii desperately needs to streamline solar permitting. An online app, such as SolarAPP+ is already working in CA and has shortened waiting times for permits

SB-781

Submitted on: 2/7/2023 3:29:44 PM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

Dear Honorable Members of the Legislature,

I am writing in support of the Renewable Energy Bill, which aims to lower administrative barriers to the deployment of energy generation and storage technology systems. As a resident of the State of Hawaii, I strongly believe that this bill is necessary to promote the adoption of locally available renewable energy sources, as well as to ensure the timely build-out of a diverse, resilient, and reliable portfolio of low-cost renewable energy.

The purpose of this bill is commendable and I fully support the implementation of SolarAPP+ or a functionally equivalent online automated permitting platform. This will make the permitting process for residential and commercial-scale distributed energy resources much more efficient, reducing the time and cost associated with adoption of residential solar and energy storage projects.

In addition, I believe that the self-certification process for solar and energy storage projects is a critical step in reducing administrative barriers to the deployment of these technologies. This process will allow applicants to proceed with the build-out of their projects without delay, while ensuring compliance with all applicable codes and laws.

In conclusion, I urge you to support this bill, which will play a crucial role in advancing the State of Hawaii's clean energy, reliability, and resilience goals. Thank you for considering my thoughts and views on this matter.

Sincerely,
Kathryn Troyan
Makiki Resident

SB-781

Submitted on: 2/7/2023 4:37:43 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Faith Texeira	Individual	Support	Written Testimony Only

Comments:

To whom it may concern:

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 offers a number of common-sense measures.

SB-781

Submitted on: 2/7/2023 6:18:27 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Virginia Tincher	Individual	Support	Written Testimony Only

Comments:

I strongly support **SB781** which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. **SB781** 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.

Virginia Tincher

Member of Hawaii Environmental Change Agents

SB-781

Submitted on: 2/7/2023 7:44:57 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Ian Crumpton	Individual	Support	Written Testimony Only

Comments:

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

SB-781

Submitted on: 2/8/2023 7:14:08 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Jennifer Navarra	Individual	Support	Written Testimony Only

Comments:

I urge the committee to please pass this bill. We must transition to renewable energy sources.

SB-781

Submitted on: 2/8/2023 7:14:59 AM

Testimony for EET on 2/9/2023 1:00:00 PM

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

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 SB781 to improve residential solar permitting on the islands. The implementation proposed by SB781, 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 SB781, 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 SB781. We believe this bill will help the residents of Hawaii save money and support climate resilience goals.

SB-781

Submitted on: 2/8/2023 8:02:26 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
robin knox	Individual	Support	Written Testimony Only

Comments:

-I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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!

- SB781 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 SB781, 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. SB781 is a critical step needed to support Hawaii in achieving its decarbonization goals!

SB-781

Submitted on: 2/8/2023 8:26:52 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Valerie Barnes	Individual	Support	Written Testimony Only

Comments:

It's imperative that solar installations are expedited. This bill will make a big difference. Please pass it.

SB-781

Submitted on: 2/8/2023 8:49:08 AM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

Dear Committee Members,

I support SB781 to improve and streamline the permitting process for solar plus storage projects.

Ron Reilly

SB-781

Submitted on: 2/8/2023 10:42:40 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Shannon Rudolph	Individual	Support	Written Testimony Only

Comments:

Support

SB-781

Submitted on: 2/8/2023 11:18:06 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Jessica Callahan	Testifying for OceanHead Solar & Electric LLC	Support	Written Testimony Only

Comments:

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members:

My name is Jessica Callahan, Design & Permit Manager for a women-owned solar & electrical contracting company, OceanHead Solar & Electric. I've worked for OceanHead for 3 years, with an overall experience of 5+ years in the solar industry, dealing with various jurisdictions and their permitting requirements, throughout California and within Oahu, Hawaii. Working with CEQA, SWDS, local AHJ(s) and the respective engineering fields, ensuring design submittals were to par with national and local code/standards. I've also been certified as a Permit Technician by the International Code Council.

It is my professional opinion that SB781 not only paves the road for the solar industry to meet the local, national and global needs for renewable energy, but also stimulates the local economy of Oahu. Due to the prolonged review times of smaller-scale solar and energy storage projects within the City and County of Honolulu, Department of Planning & Permitting, it not only costs the residents of Oahu tax dollars due to the burden of time and money spent to review these smaller-scale projects, it creates an economical challenge for smaller-scale energy companies to remain competitive in this already challenging time.

With an increase in energy rates and rising costs of equipment, streamlining the permit approval process will allow Hawaii to reach its renewable energy goals. It will provide greater access for residents of varying economic brackets and allow the local solar industry to remain competitive.

In summary, I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

SB-781

Submitted on: 2/8/2023 11:55:05 AM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Jason K. Ignacio	Individual	Support	Written Testimony Only

Comments:

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members:

I write in support of the intent of this measure. I am a permanent and longtime resident of Hawaii who has worked in the renewable solar energy industry for over 12 years- currently with Generac Clean Energy.

SB781 attempts to address permitting issues which have been delaying and impeding progress towards Hawaii's renewable energy and climate resilience goals by amending requirements for professional stamps, removing MM# requirements for Solar renewable energy systems, adding a pathway to implement an automated permit process like Solar App+ for small scale solar and energy storage projects. These solutions should be considered to ensure that paperwork delays and antiquated processes are not impeding our progress to providing affordable, clean, resilient energy for Hawaii.

I urge the committees to pass this bill so the delays in permitting for solar projects can be reduced or eliminated in order to meet Hawaii's renewable energy goals and help to reduce energy costs for Hawaii residents by using abundant and clean renewable solar energy.

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

Respectfully Submitted,

Jason Ignacio

SB-781

Submitted on: 2/8/2023 12:40:27 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Rachel Ah Sue	Testifying for Malama Solar	Support	Written Testimony Only

Comments:

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members:

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

SB-781

Submitted on: 2/8/2023 12:13:54 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Sam Malan	Individual	Support	Written Testimony Only

Comments:

Aloha Chairs DeCoite and McKelvey, Vice Chairs Wakai and Gabbard, and committee members:

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

SB-781

Submitted on: 2/8/2023 12:20:28 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Brandon Morris	Individual	Support	Written Testimony Only

Comments:

Hawaii DPP is corrupt! That's why they want to not automate it. They want to do their under-the-table deals. We need to automate it and we cannot trust DPP to do it correctly or quickly.

SB-781

Submitted on: 2/8/2023 12:56:23 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Olga Karkoshkina	Individual	Support	Written Testimony Only

Comments:

Aloha,

I am an energy consultant and help people switch to solar to avoid the high cost of electricity. I have worked with hundreds of customers who went through 6+ months of waiting for their permits to be approved. These are residential projects and this type of a timeline isn't acceptable considering the high costs of electricity. People are struggling to pay their bills and end up moving to the mainland because of this.

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy and climate resilience goals. SB781 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.

LATE

SB-781

Submitted on: 2/8/2023 2:37:24 PM

Testimony for EET on 2/9/2023 1:00:00 PM

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

Comments:

I strongly support SB781 which addresses longstanding permitting issues that impede progress on Hawaii's renewable energy goals. Currently families are often wait more than 8 months to receive solar installation permits. Expediting the process will help more people to benefit from low solar energy costs and will accelerate our state's climate change mitigation efforts. SB781 will implement auto-approval, proceed-to-build for all solar and storage projects that qualify for the online submittal.

LATE

SB-781

Submitted on: 2/8/2023 10:11:32 PM

Testimony for EET on 2/9/2023 1:00:00 PM

Submitted By	Organization	Testifier Position	Testify
Thomas Brandt	Individual	Support	Written Testimony Only

Comments:

Strong support