JOSH GREEN, M.D.
GOVERNOR

SYLVIA LUKE
LT. GOVERNOR

JON S. ITOMURA
CHAIR

NAOMI U. KUWAYE
COMMISSIONER

COLIN A. YOST
COMMISSIONER

STATE OF HAWAII
PUBLIC UTILITIES COMMISSION
465 S. KING STREET, #103
HONOLULU, HAWAII 96813

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Testimony of the Public Utilities Commission

To the
Senate Committees on
Commerce & Consumer Protection
and
Energy & Intergovernmental Affairs

February 4, 2026
9:30 a.m.

Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and Members of the Committees:

Measure: S.B. No. 2033
Title: RELATING TO RENEWABLE ENERGY.

Position:

The Public Utilities Commission ("Commission") offers the following comments for consideration.

Comments:

The Commission supports the intent of this measure to establish streamlined and transparent interconnection processes for residential customers.

While the Commission supports efforts to expedite the interconnection of distributed energy resources, the Commission has concerns because establishing the prescribed process in this measure would require considerable time and resources among various parties and stakeholders to determine the costs of significant infrastructure upgrades necessary for interconnection. Currently, issues relating to residential interconnection timelines will be considered in a new docket. This measure refers to "grid-ready homes". The Commission is unclear whether "grid-ready homes" are a subset of the residential stock or refers broadly to any home equipped with distributed energy resources or energy efficiency technology. For example, Governor Green's recent Executive Order No. 25-01 refers to "Zero Energy Ready Homes," a term applying only to new single-family projects. It is also unclear at present if this measure seeks to expedite current queues or establish new procedures for a subset of interconnection cases.

Furthermore, this measure contemplates the role of a Hawaii Electricity Reliability Administrator ("HERA") to facilitate the implementation of this customer-sited interconnection process. The Commission has procured a consultant to serve as the HERA, and the HERA's scope of work will focus on interconnection queues for utility-scale projects, not residential interconnection queues. The costs and wait times associated with interconnection are an ongoing concern in utility-scale procurement, ultimately threatening overall grid reliability, so it is crucial that the Commission be afforded time to determine all details of utility-scale interconnection process implementation.

Given the above, if the Committee decides to move forward with this initiative, the Commission recommends that the legislature allow the Commission and its stakeholders an opportunity to fully examine and collaborate on establishing a streamlined grid-ready homes interconnection process. Within 180 days of the effective date of this legislation, the Commission would report to the legislature with proposed steps and a timeline on how to best achieve the objectives intended by this measure.

Thank you for the opportunity to testify on this measure.

JOSH GREEN, M.D.
GOVERNOR | KE KIAʻĀINA

SYLVIA LUKE
LIEUTENANT GOVERNOR | KA HOPE KIAʻĀINA

STATE OF HAWAII | KA MOKUʻĀINA ʻO HAWAIʻI
OFFICE OF THE DIRECTOR
DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS
KA ʻOIHANA PILI KĀLEPA
335 MERCHANT STREET, ROOM 310
P.O. BOX 541
HONOLULU, HAWAII 96809
Phone Number: 1-844-808-DCCA (3222)
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cca.hawaii.gov

NADINE Y. ANDO
DIRECTOR | KA LUNA HOʻOKELE

DEAN I. HAZAMA
DEPUTY DIRECTOR | KA HOPE LUNA HOʻOKELE

Testimony of the Department of Commerce and Consumer Affairs

Before the
Senate Committee on Commerce and Consumer Protection
and
Senate Committee on Energy and Intergovernmental Affairs
Wednesday, February 4, 2026
9:30 a.m.
Via Videoconference

On the following measure:
S.B. 2033, RELATING TO RENEWABLE ENERGY

Chair Keohokalole, Chair Wakai, and Members of the Committees:

My name is Michael Angelo, and I am the Executive Director of the Department of Commerce and Consumer Affairs' (Department) Division of Consumer Advocacy. The Department offers comments on this bill.

The purpose of this bill is to: (1) require the Public Utilities Commission (Commission) to establish a streamlined grid-ready homes interconnection process; (2) authorize the use of the Hawaiʻi electricity reliability surcharge for cost recovery of certain expenses of the Hawaiʻi Electricity Reliability Administrator associated with the grid-ready homes interconnection process; (3) require a report to the Commission on the grid-ready homes interconnection process; and (4) set an effective date of 1/1/2027.

The Department appreciates the bill's intent to facilitate the State's transition to renewable energy and fully supports the commitment to achieving the clean energy goals of Act 97, Session Laws of Hawaii 2015. The Department agrees that a process to further

expedite the interconnection of distributed energy resources and electrification technologies could facilitate the transition to a clean energy economy provided that these technologies verifiably meet certain critical safety and reliability standards and requirements for interconnecting.

However, the Department has significant equity concerns about the cost sharing provision in this bill (i.e., proposed Hawaii Revised Statutes (HRS) § 269-142(d)(2), on pages 5-6) and opposes this section of the bill. The cost-sharing provision would require the utility to cover the costs of electrical service upgrades and interconnection costs that would otherwise be the responsibility of the individual utility account holder (e.g., homeowner, business owner, etc.) seeking the upgrade. The costs of upgrading electrical service can be significant. For example, one estimate to upgrade a residential home's electric panel to 400 amp service ranged between $2,000 - $4,000 and a service upgrade (including utility work) ranged between $4,000 - $6,000.[1] To put this in perspective, the cost sharing provision of this bill for a typical residential sized solar system (i.e., less than twenty-five kilowatts) is only a $50 contribution from the utility customer. This leaves the rest of customers paying for the additional costs, which although initially covered by the utility, would ultimately be passed onto utility customers. Residential utility customers in Hawaii have the highest average electric utility bill and lowest average electricity usage in the entire country.[2] Customers cannot afford to pay for someone else's electrical upgrades. Thus, the proposed HRS § 269-142(d)(2) should be struck from the bill.

The Department also notes that that the electric utility ultimately is held accountable for the safety and reliability of the grid. Electric utilities have well-established interconnection standards to help ensure customer-sited generation and storage are safely interconnected to the grid and support continued reliability of the grid. Any process that envisions expedited permitting of interconnection based on equipment complying

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[1] https://www.luminsmart.com/blog/real-cost-electrical-service-and-main-panel-upgrades#:~:text=The%20Real%20Cost%20of%20Electrical%20Service%20and,quickly%20increase%20to%20$10%2C000+%20in%20some%20cases.

[2] https://www.eia.gov/electricity/sales_revenue_price/pdf/table_5A.pdf

with specific safety standards or certifications must be thoroughly vetted to ensure it complies with the electric utility's interconnection requirements.

Thank you for the opportunity to testify on this bill.

TESTIMONY BEFORE THE SENATE COMMITTEES ON COMMERCE AND CONSUMER PROTECTION & ENERGY AND INTERGOVERNMENTAL AFFAIRS

SB 2033
Relating to Renewable Energy

Wednesday, February 4, 2026
9:30 AM
State Capitol, Conference Room CR229 & Videoconference

Dear Chair Keohokalole, Chair Wakai, Vice Chair Fukunaga, Vice Chair Chang, and Members of the Committees,

Hawaiian Electric is testifying in **opposition** to SB 2033, relating to a "grid-ready homes" interconnection process.

Hawaiian Electric supports the intent of this bill -- to continue to grow Distributed Energy Resources ("DER") in Hawai'i, and develop a streamlined interconnection process for customers. Hawai'i leads the nation in the adoption of DERs, yet the Company understands that we need to continue to grow DERs going forward. They are necessary to achieve our clean energy goals and to provide options to our customers to better manage their electric bills, have resiliency at their homes and businesses, and contribute to Hawai'i's clean energy future.

However, this bill appears to require a streamlined approval process solely based on the DERs using UL 1741 and UL3141 or equivalent certified functionality. While these types of equipment certifications are important and provide confirmation that inverters meet stringent technical and safety standards, the utility needs to review more information about the system to safely interconnect the system to the Company's grid. Specifically, in Hawaiian Electric's interconnection process, the Company reviews the

advanced inverter qualifications and whether the total electric grid (system-level) and the neighboring area (distribution-level) can accept the proposed size of the DER. This bill would appear to undermine the interconnection review and approval process that is needed for the Company to ensure safe interconnections and reliable service to all customers. It is worth noting that the Company has continued to perform exceptionally well in this area as evidenced by its consistent achievement during the entire four-year duration (2021-2024) of a performance incentive mechanism ("PIM") specifically designed by the Public Utilities Commission and stakeholders to improve DER interconnection approval timelines. For this reason, the interconnection timelines required by this bill are not necessary and appear arbitrary. The interconnection PIM will be holistically evaluated and potentially modified this year by the Commission and stakeholders, which is the better forum and process to determine any lower interconnection timelines.

In addition, this bill appears to focus on streamlining the Company's service upgrade process. On this issue, the Company has multiple questions about the proposals in the bill. It is not clear how the proposed costs for upgrades were based, and which entity would receive those funds. The bill would require that upgrades be made within three months, but it does not clarify when the starting point of that timeframe would be. The Company has had multiple discussions with the solar industry on the service upgrade process. The Company submits that improvements to the process are better made through the collaborative process rather than through legislation.

SB 2033 would also allow the use of the Hawai‘i electricity reliability surcharge to recover costs related to the streamlined interconnection process and the work of the

Hawai‘i Electricity Reliability Administrator (“HERA”). As mentioned above, while the Company supports the intent of this bill, it opposes the process proposed by the bill and submits that HERA is not needed to oversee such a process as it would likely expand HERA’s scope of work. The Company further notes that any use of the Hawai‘i electricity reliability surcharge and expansion of HERA’s scope would result in additional costs to Hawaiian Electric customers, which would contravene the State’s focus on affordability, and is not the most cost-effective way to achieve the goals stated in this bill.

Accordingly, Hawaiian Electric **opposes** SB 2033. Thank you for this opportunity to testify.

Hawaii Solar Energy Association
Serving Hawaii Since 1977

Testimony of the Hawaii Solar Energy Association (HSEA) Regarding SB2033, Relating to Renewable Energy, Before the Senate Committees on Commerce and Consumer Protection and Energy and Intergovernmental Affairs
Wednesday, February 4, 2026

Dear Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and Members of the Committees:

The Hawaii Solar Energy Association (HSEA) **strongly supports SB2033**, which establishes a streamlined **grid-ready home interconnection process** to accelerate adoption of distributed energy resources (DERs) and electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

HSEA is a non-profit trade association founded in 1977, representing local solar contractors and clean energy companies as well as global cleantech companies, equipment manufacturers, and other service providers doing business in Hawaii.

Hawaii's transition to a 100% renewable electricity system under Act 97 (2015) depends on rapid, cost-effective deployment of rooftop solar, energy storage, electric vehicle charging, and other electrification technologies. However, outdated and reactive interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs. SB2033 directly addresses these barriers by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

Grid-ready homes are a low-cost, high-impact solution. By enabling faster deployment of customer-sited renewable generation and storage, this bill helps reduce reliance on imported fossil fuels, defer or avoid costly grid infrastructure upgrades, and lower long-term system costs for all ratepayers. The bill's tiered cost-sharing framework appropriately balances customer affordability with utility cost recovery and provides for periodic review to ensure fees remain reasonable and grounded in actual costs.

SB2033 also supports Hawaii's clean energy workforce and local economy by reducing soft costs, improving project certainty, and enabling licensed contractors and electricians to work

more efficiently. At the same time, its emphasis on smart inverter functionality, managed export and import, and virtual commissioning strengthens grid reliability, affordability, and resilience as Hawaii transitions its electrical grid in accordance with State policy.

Suggested Amendment – Vehicle-to-Grid (V2G):
To ensure SB2033 fully reflects modern grid-interactive electrification technologies, HSEA respectfully recommends adding a new subsection to **Section 3(d)** as follows:

Add a new subsection (6) to Section 3(d) to read:

"(6) Requirements obligating regulated utilities to update their interconnection rules to allow for the interconnection and utilization of vehicle-to-grid and vehicle-to-home capable electric vehicles and electric vehicle charging equipment, including recognition of applicable national safety and interoperability standards, such as UL 1741 and other relevant certifications, to enable electric vehicles to provide grid services, backup power, and load management functionality."

Electric vehicles represent a rapidly growing source of distributed energy storage. Explicitly including V2G and V2H within the grid-ready home framework will improve grid flexibility, enhance resilience during outages, and ensure Hawaii remains a leader in integrating transportation electrification with clean energy policy.

SB2033 is a practical, forward-looking measure that advances Hawaii's clean energy, affordability, and resilience goals while maintaining grid reliability. HSEA urges the Committee to pass SB2033, with the suggested amendment.

Mahalo for the opportunity to testify in strong support.

Sincerely,

/S/ Rocky Mould

Executive Director

Kauaʻi Island Utility Cooperative
Your Touchstone Energy® Cooperative

Testimony Before the Senate Committee on Commerce and Consumer Protection
and Senate Committee on Energy and Intergovernmental Relations
By Scott Sato
Government Affairs and Energy Services Manager
Kauaʻi Island Utility Cooperative
4463 Paheʻe Street, Suite 1, Līhuʻe, Hawaiʻi, 96766-2000

Wednesday, February 4, 2026; 9:30 am
Conference Room #229 & Videoconference

Senate Bill No. 2033 – RELATING TO RENEWABLE ENERGY

To the Honorable Chairs Jarrett Keohokalole and Glenn Wakai, Vice Chairs Carol Fukunaga and Stanley Chang, and Members of the Committees:

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

KIUC wishes to provide comments on this measure.

Over the past 10 years, KIUC has significantly increased its renewable generation. In 2010, KIUC's energy mix included 10% renewable. Renewable production now stands at roughly 50%. For the past five years, KIUC has operated the Kauaʻi electric grid at 100% renewable for thousands of hours on sunny days. KIUC's renewable mix currently includes biomass, hydropower, utility-scale solar, utility-scale paired with battery energy storage systems, and distributed (rooftop) solar.

This bill seeks to provide a customer-friendly process to enable widespread adoption of distributed energy resources and electrification technologies. In general, KIUC supports providing a variety of options for managing energy use to our members.

As the bill is currently written, KIUC has concerns regarding the following:

- **Cost of service.** The bill as currently written underestimates the cost of service and/or facility upgrades. A $50 charge does not cover our existing processing fee, let alone a service upgrade.
- **Review timeframe.** KIUC does not believe that the timeframe for review is reasonable.
- **Deadline for completion.** The bill as currently written mandates a strict deadline for completing upgrades of 3 months. Based on current workload and operational priorities such as grid hardening

and wildfire mitigation, this timeframe may not be achievable for a cooperative of our size based on available resources.

- **Field check process.** The proposed process bypasses our current field check process, which would not allow KIUC to verify that the information provided on the customer's plan is consistent with what is installed. This is especially important for a grid of our size and could have a potential negative impact on grid operations, reliability and safety.
- **Grid access.** As currently written, the section related to allowing licensed electricians the ability to isolate service at the meter is problematic. It mentions that the utility is required to notify the customer of the disconnect, but does not specify the notification required from the "licensed electrician" to the utility. This seems out of place and may contradict KIUC's current requirements.
- **KIUC's current Interconnection Agreement.** Several of the proposed changes conflict with the standards and timeframes within KIUC's current Interconnection Agreement. If these changes are put into place, it would require a complete overhaul of KIUC's Interconnection Agreement in collaboration with the Hawaiʻi Public Utilities Commission.

Aside from these concerns, KIUC's interconnection and utility service upgrade process has been designed to be as streamlined and "user friendly" as possible. When the applicant provides all necessary information and materials up front, the process can usually be completed within 30 days. This process ensures that KIUC can thoroughly review application materials and electrical drawings to ensure that the system can safely be connected to the grid. While extended timelines for approvals and application processing delays may be routine on Oʻahu, that is not the case on Kauaʻi.

If this bill is to be approved, KIUC would like to respectfully ask that this bill not apply to a member-owned electric cooperative as it could have a potentially significant impact on our relatively small grid. We offer the following amendments for consideration:

Page 7. Line 12: Insert the following:
(6) This section shall not apply to a member owned electric cooperative.

Page 9, Line 6: Insert the following:
(3) This section shall not apply to a member owned electric cooperative

Thank you for the opportunity to provide comments on this measure. Mahalo for your consideration.

SB-2033
Submitted on: 2/2/2026 3:21:20 PM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
PAUL OREM	Testifying for Photonworks Engineering	Support	Written Testimony Only

Comments:

Aloha Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and Committee Members:

I strongly support SB2033.

SB2033 establishes a grid-ready home interconnection process that will help accelerate the adoption of rooftop solar, energy storage, electric vehicle charging, and other electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Outdated and reactive interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs. SB2033 addresses these challenges by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

I also support explicitly including **vehicle-to-grid (V2G) and vehicle-to-home (V2H)** capable electric vehicles within the grid-ready home framework, so electric vehicles can provide resilience, grid services, and load management benefits when properly integrated.

For these reasons, I respectfully urge the Committee to pass SB2033.

Mahalo for the opportunity to testify.

Legislative Testimony of Sunrun Inc.
Before the CPN/EIG Committee
February 4, 2026

IN SUPPORT of SB2033 – Relating to Renewable Energy

Dear Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and distinguished Members of the Committees on Commerce and Consumer Protection and Energy and Intergovernmental Affairs,

Sunrun is the nation's leading home solar, battery storage and energy services company, and has a long and proud history in Hawai'i with office and warehouse locations on O'ahu, Maui, and Hawai'i Islands. We directly employ more than 200 professional solar workers across the islands, including sales/marketers, customer experience professionals, and installation team members including electrical inspectors, technicians, forepersons and warehouse personnel.

Sunrun strongly supports SB2033, which would require the Public Utilities Commission (PUC) to establish a streamlined grid-ready home interconnection process, helping Hawai'i and its residents achieve critical affordability, reliability, resilience, and sustainability goals by enabling faster and more affordable deployment of advanced distributed energy resources (DERs) like solar, energy storage and electric vehicle (EV) charging.

Streamlining the grid-ready home interconnection process will advance progress towards Governor Green's Executive Order 25-01[1] which sets a target of 50,000 new DER installations in Hawai'i by 2030. Specifically, SB2033 aligns with the Order's directive to State agencies responsible for interconnection to "establish programs and enact policies to expedite these [DER] installations." Outdated and reactive interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs. SB2033 addresses these challenges by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

Hawai'i has a 100% renewable portfolio standard (RPS) by 2045,[2] and DER systems are critical to achieving the state's RPS goals. Last year, Hawaiian Electric (HECO) reported achieving a 36% consolidated RPS, largely due to continued DER adoption.[3] Rooftop solar is the leading contributor to Hawai'i's clean energy portfolio, generating around 44% of all renewable energy in the state. Continued implementation of rooftop solar has proven to be a strong component of the state's renewable energy generation and contributes to a more resilient energy system while lowering energy costs for all ratepayers.

Sunrun strongly supports SB2033 and respectfully urges the committee to advance this measure. Mahalo for the opportunity to provide testimony on this critical legislation. As a national solar, storage and energy services company, Sunrun has a broad view of states' clean energy policies and stands ready to assist Hawai'i with its policy goals.

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[1] https://governor.hawaii.gov/wp-content/uploads/2025/01/2501085_Executive-Order-No.-25-01.pdf
[2] https://energy.hawaii.gov/what-we-do/clean-energy-vision/
[3] https://www.hawaiianelectric.com/hawaiian-electric-surges-to-36-renewable-energy-on-grids

HOLU HOU ENERGY

SENATE COMMITTEE ON COMMERCE AND CONSUMER PROTECTION
Senator Jarrett Keohokalole, Chair
Senator Carol Fukunaga, Vice Chair

SENATE COMMITTEE ON ENERGY AND INTERGOVERNMENTAL AFFAIRS
Senator Glenn Wakai, Chair
Senator Stanley Chang, Vice Chair

DATE: Wednesday, February 4, 2026
TIME: 9:30am
PLACE: VIA VIDEOCONFERENCE & Conference Room 229

Theodore (Ted) Peck
President, Holu Hou Energy
99-1026 Iwaena Street
Aiea, HI 96701

RE: HB 977 RELATING TO ENERGY FINANCING.

Aloha Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and Committee Members:

I strongly support SB2033.

SB2033 establishes a grid-ready home interconnection process that will help accelerate the adoption of rooftop solar, energy storage, electric vehicle charging, and other electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Outdated and reactive interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs. SB2033 addresses these challenges by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

I also support explicitly including vehicle-to-grid (V2G) and vehicle-to-home (V2H) capable electric vehicles within the grid-ready home framework, so electric vehicles can provide resilience, grid services, and load management benefits when properly integrated.

For these reasons, I respectfully urge the Committee to pass SB2033.

Thank you for the opportunity to testify and for your time in considering my comments.

Respectfully,
Ted Peck
President, Holu Hou Energy

SB-2033
Submitted on: 2/2/2026 5:14:15 PM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Scott Saville	Testifying for LegaSea Energy	Support	Written Testimony Only

Comments:

Aloha Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and Committee Members:

I strongly support SB2033.

SB2033 establishes a grid-ready home interconnection process that will help accelerate the adoption of rooftop solar, energy storage, electric vehicle charging, and other electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Outdated and reactive interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs. SB2033 addresses these challenges by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

I also support explicitly including **vehicle-to-grid (V2G) and vehicle-to-home (V2H)** capable electric vehicles within the grid-ready home framework, so electric vehicles can provide resilience, grid services, and load management benefits when properly integrated.

For these reasons, I respectfully urge the Committee to pass SB2033.

Mahalo for the opportunity to testify,

Scott

To: The Honorable Chairs Jarrett Keohokalole and Glenn Wakai, the Honorable Vice Chairs Carol Fukunaga and Stanley Chang, and Members of the Commerce and Consumer Protection and Energy and Intergovernmental Affairs Committees.

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

Re: **Hearing SB2033 RELATING TO RENEWABLE ENERGY**

Hearing: Wednesday February 4, 2026 9:30 a.m. CR229

Aloha Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and Members of the Commerce and Consumer Protection and Energy and Intergovernmental Affairs Committees!

The Climate Protectors Hawai‘i seeks to educate and engage the local community in climate change action, to help Hawai‘i show the world the way back to a safe and stable climate.

The Climate Protectors Hawai‘i **STRONGLY SUPPORTS SB2033**!

I previously served as a consumer advocate on electricity rates for nearly 15 years. I understand utility ratemaking and how much electricity can affect family budgets.

Electricity in Hawai‘i is far too expensive! Hawai’i’s high electricity costs are a significant contributor to **affordability** challenges.

The declining costs for renewable energy sources and electric vehicles offer households a way to reduce their energy costs.

This bill establishes a way to **control costs** with a streamlined grid-ready home interconnection process to accelerate adoption of distributed energy resources (DERs) and electrification technologies while maintaining grid reliability.

The Climate Protectors Hawai‘i STRONGLY SUPPORTS this bill because:

- SB2033 will **make energy more affordable** for homeowners by removing some of the barriers and reducing some of the costs of installing rooftop solar energy storage, electric vehicle charging, and other electrification technologies.
- SB2033 will help Hawaii transition to renewable electricity and reduce its imports of fossil fuels. Just look at the benefits enjoyed by Kauai as KIUC transitioned to renewable energy.
- By directly addressing many barriers and costs associated with installation, SB2033 will reduce many of the uncertainties and risks of electrifying homes and household transportation.

Please pass this bill!

Mahalo!

Climate Protectors Hawai‘i (by Ted Bohlen)

SB-2033
Submitted on: 2/3/2026 7:50:59 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Kathryn Troyan	Testifying for Alternate Energy Inc.	Support	Written Testimony Only

Comments:

Aloha Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and Committee Members:

I strongly support SB2033.

SB2033 establishes a grid-ready home interconnection process that will help accelerate the adoption of rooftop solar, energy storage, electric vehicle charging, and other electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Outdated and reactive interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs. SB2033 addresses these challenges by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

I also support explicitly including vehicle-to-grid (V2G) and vehicle-to-home (V2H) capable electric vehicles within the grid-ready home framework, so electric vehicles can provide resilience, grid services, and load management benefits when properly integrated.

For these reasons, I respectfully urge the Committee to pass SB2033.

Mahalo for the opportunity to testify.
Kathryn Troyan
Project Manager
Alternate Energy, Inc.

Green Power Projects LLC
Alan Lennard, Managing Director
P.O. Box 818
Haleiwa, HI 96712
T 808.381.3447
E alan.lennard@greenpowerprojects.com

www.greenpowerprojects.com

Testimony of Alan Lennard
Managing Director of Green Power Projects LLC
e-mail: alan.lennard@greenpowerprojects.com

In Support for SB2033 Grid-Ready Homes and interconnection reform bill

THE SENATE
KA ʻAHA KENEKOA

THE THIRTY-SECOND LEGISLATURE
REGULAR SESSION OF 2026

COMMITTEE ON COMMERCE AND CONSUMER PROTECTION
Senator Jarrett Keohokalole, Chair
Senator Carol Fukunaga, Vice Chair

COMMITTEE ON ENERGY AND INTERGOVERNMENTAL AFFAIRS
Senator Glenn Wakai, Chair
Senator Stanley Chang, Vice Chair

NOTICE OF HEARING

DATE:	Wednesday, February 4, 2026
TIME:	9:30 AM
PLACE:	Conference Room 229 & Videoconference State Capitol 415 South Beretania Street

Aloha Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and Committee Members:

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 strongly support SB2033.

SB2033 establishes a grid-ready home interconnection process that will help accelerate the adoption of rooftop solar, energy storage, electric vehicle charging, and other electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Outdated and reactive interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs. SB2033 addresses these challenges by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

I also support explicitly including vehicle-to-grid (V2G) and vehicle-to-home (V2H) capable electric vehicles within the grid-ready home framework, so electric vehicles can provide resilience, grid services, and load management benefits when properly integrated.

For these reasons, I respectfully urge the Committee to pass SB2033.

Thank you for providing me with the opportunity to testify in **support of SB2033**.

Respectfully,

Alan Lennard -dig signature

Alan Lennard
Managing Director
Green Power Projects LLC
P.O. Box 818
Haleiwa, HI 96712-0818

SB-2033
Submitted on: 2/3/2026 9:32:15 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
William Giese	Testifying for Inter-Island Solar Supply/The Solaray Corporation	Support	Written Testimony Only

Comments:

Aloha Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and Committee Members:

I strongly support SB2033.

SB2033 establishes a grid-ready home interconnection process that will help accelerate the adoption of rooftop solar, energy storage, electric vehicle charging, and other electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Outdated and reactive interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs. SB2033 addresses these challenges by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

I also support explicitly including **vehicle-to-grid (V2G) and vehicle-to-home (V2H)** capable electric vehicles within the grid-ready home framework, so electric vehicles can provide resilience, grid services, and load management benefits when properly integrated.

For these reasons, I respectfully urge the Committee to pass SB2033.

Mahalo for the opportunity to testify.

SB-2033
Submitted on: 2/2/2026 3:56:18 PM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Radford Nakamura	Individual	Support	Written Testimony Only

Comments:

Aloha Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and Committee Members:

I strongly support SB2033.

SB2033 establishes a grid-ready home interconnection process that will help accelerate the adoption of rooftop solar, energy storage, electric vehicle charging, and other electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Outdated and reactive interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs. SB2033 addresses these challenges by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

I also support explicitly including **vehicle-to-grid (V2G) and vehicle-to-home (V2H)** capable electric vehicles within the grid-ready home framework, so electric vehicles can provide resilience, grid services, and load management benefits when properly integrated.

For these reasons, I respectfully urge the Committee to pass SB2033.

Mahalo for the opportunity to testify.

Radford Nakamura

Carbon Cashback

February 2, 2026

Re: CPN/EIG hearing of SB2033 on February 4, 2026

Position: Support

Aloha Chairs Keohokalole and Wakai, and members of the CPN and EIG committees:

Carbon Cashback Hawai'i supports SB2033, which establishes a streamlined grid-ready home interconnection process to accelerate adoption of distributed energy resources (DERs) and electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Carbon Cashback Hawai'i supports fossil fuel reduction policies that help the State rapidly transition to a sustainable and equitable energy future.

Many Hawai'i households are financially constrained. Hawai'i's high energy costs are a significant contributor. The declining costs for renewable energy sources and electric vehicles offer households a way to reduce their energy costs. However, outdated and reactive interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs.

SB2033 will make energy more affordable for homeowners by removing some of the barriers and reducing some of the costs of installing rooftop solar energy storage, electric vehicle charging, and other electrification technologies.

By directly addressing many barriers and costs associated with installation, SB2033 will reduce many of the uncertainties, risks, and costs of electrifying homes and household transportation.

Please pass SB2033 out of your committees.

Mahalo nui loa.

carboncashbackhawaii.org
carboncashbackhawaii@gmail.com

SB-2033
Submitted on: 2/2/2026 8:43:00 PM
Testimony for CPN on 2/4/2026 9:30:00 AM

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

Comments:

Aloha Chairs Keohokalole and Wakai, and members of the CPN and EIG committees:

I support this bill because it helps to remove some of the barriers and costs to making the State's required transition away from fossil fuels to renewable energy.

This bill establishes a streamlined grid-ready home interconnection process to accelerate adoption of distributed energy resources (DERs) and electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Our households are financially constrained. Hawai'i's high energy costs are a significant contributor to affordability challenges. The declining costs for renewable energy sources and electric vehicles offer households a way to reduce their energy costs. However, outdated and misaligned interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs.

SB2033 directly addresses these barriers by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

SB-2033
Submitted on: 2/2/2026 8:47:02 PM
Testimony for CPN on 2/4/2026 9:30:00 AM

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

Comments:

Aloha Chairs Keohokalole and Wakai, and members of the CPN and EIG committees:

I support this bill because it accelerates the State's transition from fossil fuels to renewable energy.

It will help Hawaii's transition to 100% clean electricity and reduce its imports of price-volatile fossil fuels, and it will make energy more affordable for homeowners by removing some of the costs of installing rooftop solar energy storage, electric vehicle charging, and other electrification technologies.

Thank you,

Thomas Graham, Honolulu

Cindy Freitas

makainanqi@gmail.com

OPPOSE UNLESS AMENDED – S.B. 2033

RELATING TO GRID-READY HOMES / INTERCONNECTION / RELIABILITY SURCHARGE

He Mele komo a he mele aloha no na kupuna o ke au i hala Aloha mai kakou.

Aloha,

My name is Cindy Freitas and I'm a Native Hawaiian descended of the native inhabitants of Hawai'i prior to 1778 and born and raised in Hawai'i.
I am also a practitioner who still practice the cultural traditional customary practices that was instill in me by my grandparents at a young age from mauka (MOUNTAIN TO SEA) to makai in many areas.

I respectfully submit testimony **OPPOSING S.B. 2033 UNLESS AMENDED**.
S.B. 2033 establishes a streamlined "grid-ready home" interconnection process, mandates utility timelines, authorizes tiered cost-sharing, expands recovery through the Hawai'i Electricity Reliability Surcharge, and increases the role of the Hawai'i Electricity Reliability Administrator. While accelerating interconnection is a worthy goal, the bill **prioritizes speed without sufficient consumer, equity, reliability, and accountability safeguards**.

WHAT IS MISSING FROM S.B. 2033

- **Consumer cost protections.** The bill lacks household cost caps, protections against stacked charges (interconnection fees, upgrades, surcharge recovery), and income-based relief for low- and moderate-income customers.
- **Equity and access standards.** There are no provisions addressing renters, multi-family housing, rural or neighbor-island communities, or older housing stock that cannot easily meet "grid-ready" requirements.
- **Grid hosting capacity transparency.** Utilities are not required to publish real-time hosting capacity maps or disclose circuit-level constraints before customers invest.
- **Reliability and safety exceptions.** The bill does not provide clear exceptions to expedited timelines for constrained circuits, wildfire risk, storms, or emergency conditions.
- **Independent oversight of cost recovery.** There are no audit requirements or guardrails to ensure the reliability surcharge reflects actual, reasonable costs and does not inflate over time.
- **Limits on delegated authority.** The bill expands functions of the Reliability Administrator without clear limits, conflict-of-interest protections, or public-accountability standards.
- **Consumer remedies and dispute resolution.** There are no refunds, penalties, or expedited remedies if utilities miss statutory deadlines or improperly deny interconnection.

- **Cybersecurity and data privacy safeguards.** The bill does not establish standards for cybersecurity, data ownership, privacy, or third-party data sharing associated with smart inverters and virtual commissioning.
- **County coordination standards.** The bill lacks formal coordination requirements with county building and electrical permitting to avoid conflicting timelines or approvals.
- **Worker safety and liability standards.** Authorizing meter isolation by licensed electricians is not accompanied by explicit safety protocols, liability allocation, or additional training standards.
- **Long-term ratepayer impact analysis.** The bill does not analyze cumulative surcharge impacts, long-term rate effects, or compare alternatives for grid modernization.
- **Sunset or legislative review.** The framework is permanent, with no requirement for post-implementation review or recalibration.

REQUIRED AMENDMENTS (OPPOSE UNLESS ADOPTED)

S.B. 2033 should not advance unless amended to:

1. Add **household cost caps and income-based protections**;
2. Include **equity provisions** for renters, multi-family housing, rural areas, and older homes;
3. Require **public hosting capacity maps and pre-investment disclosures**;
4. Provide **reliability and emergency exceptions** to expedited timelines;
5. Mandate **independent audits and surcharge guardrails**;
6. Set **clear limits and accountability standards** for delegated authority;
7. Establish **consumer remedies and dispute resolution**;
8. Add **cybersecurity and data-privacy standards**;
9. Require **formal county coordination**;
10. Include **worker safety and liability protections**;
11. Provide **long-term ratepayer impact analysis**;
12. Add a **sunset or mandatory legislative review**.

CONCLUSION

Accelerating clean-energy interconnection must not shift undue cost, risk, or accountability onto homeowners and ratepayers. Without the safeguards above, S.B. 2033 risks inequitable access, higher long-term costs, and reduced transparency.

For these reasons, I **OPPOSE S.B. 2033 UNLESS AMENDED**.

Mahalo Cindy Freitas

SB-2033
Submitted on: 2/2/2026 11:59:11 PM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Ruth Robison	Individual	Support	Written Testimony Only

Comments:

Aloha! I am testifying in support of SB2033. I have lived in Hilo since 1982. This bill establishes a streamlined grid-ready home interconnection process to accelerate adoption of distributed energy resources (DERs) and electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers. Thank you.

SB-2033
Submitted on: 2/2/2026 11:17:24 PM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Neil Frazer	Individual	Support	Written Testimony Only

Comments:

Aloha Chairs Keohokalole and Wakai, and Comittee Members,

I strongly support this bill. It might not be perfect, but it is most assuredly a step in the right direction. Progress is incremental, as I think Bill Clinton used to say.

Mahalo for your unselfish service to the people of Hawai‘i!

Neil Frazer, PhD

SB-2033
Submitted on: 2/3/2026 5:08:23 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

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

Comments:

Aloha Chairs Keohokalole and Wakai, and members of the CPN and EIG committees:

‣ SB2033 will make energy more affordable for homeowners by removing some of the barriers and reducing some of the costs of installing rooftop solar energy storage, electric vehicle charging, and other electrification technologies.

‣ By directly addressing many barriers and costs associated with installation, SB2033 will reduce many of the uncertainties and risks of electrifying homes and household transportation.

Please pass SB2033.

Mahalo,

Virginia Tincher

Honolulu

SB-2033
Submitted on: 2/3/2026 5:53:44 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Jonathan Knauer	Individual	Support	Written Testimony Only

Comments:

Aloha Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and Committee Members:

ConnectDER hereby files these comments in strong support of SB2033.

ConnectDER is a manufacturer of meter socket adapters (MSAs), focused on enabling simpler, more cost effective installation of distributed energy resources and electrification technologies.

MSAs can offer substantial cost savings to residential customers looking to adopt clean energy technologies. Meter socket adapters are a customer-owned device that are installed along with a DER project, such as rooftop solar array, battery energy storage system (BESS), or electric vehicle (EV) charger. Using a meter socket adapter reduces equipment and labor costs, saving several hundred to several thousand dollars per installation. Savings are recognized by avoiding unnecessary electrical work associated with traditional installation methods. The most substantial savings for an individual customer occur when they are able to utilize a meter socket adapter to avoid an unnecessary main panel replacement or service upsizing.

SB2033 establishes a grid-ready home interconnection process that will help accelerate the adoption of rooftop solar, energy storage, electric vehicle charging, and other electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Outdated and reactive interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs. SB2033 addresses these challenges by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

ConnectDER is particularly supportive of the language in the bill enabling "licensed electricians to isolate electrical service at utility meters for meter panel replacement, meter socket adapter installation, or main panel upgrades". Our products are used in over two dozen states, and we find that markets where electricians are allowed to install our equipment results in the best outcome for customers and the most efficient use of resources for utilities and industry. We find that utilities often don't have the resources to keep up

with their workload, and enabling electricians to perform basic work around the meter is a safe and effective alternative to utility involvement. Some utilities have even established programs to train electricians on how to work safely with utility meters. Allowing electricians to isolate electrical service at the utility meter is critical to fully realize the benefits of accelerated DER deployment in response to the Legislature's SB589 (Act 266) passed last year and Governor Green's Executive Order No. 25-01.

For these reasons, I respectfully urge the Committee to pass SB2033.

Mahalo for the opportunity to testify.

Jonathan Knauer

VP Policy and Market Strategy

ConnectDER, Inc.

SB-2033
Submitted on: 2/3/2026 6:08:07 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Fredrick Sands	Individual	Support	Written Testimony Only

Comments:

Aloha Chairs Keohokalole and Wakai, and members of the CPN and EIG committees:

I support this billbecause it helps to remove some of the barriers and costs to making the State's required transition away from fossil fuels to renewable energy.

This bill establishes a streamlined grid-ready home interconnection process to accelerate adoption of distributed energy resources (DERs) and electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Our households are financially constrained. Hawai'i's high energy costs are a significant contributor to affordability challenges. The declining costs for renewable energy sources and electric vehicles offer households a way to reduce their energy costs. However, outdated and misaligned interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs.

SB2033 directly addresses these barriers by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

Mahalo!

Fredrick H Sands MD

Paia, HI

SB-2033
Submitted on: 2/3/2026 7:01:05 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Eric Lindborg	Individual	Support	Written Testimony Only

Comments:

As a physician with interest in the long-term benefits of Hawai'i energy resilience and self-sufficiency I support SB2033. The bill: supports Hawaii's transition to 100% renewable electricity and reduces its imports of fossil fuels; makes energy more affordable for homeowners by removing some of the barriers and reducing some of the costs of installing rooftop solar energy storage, electric vehicle charging, and other electrification technologies addressing many barriers and costs associated with installation; and reduces many of the uncertainties and risks of electrifying homes and household transportation.

SB-2033
Submitted on: 2/3/2026 8:01:59 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Cherie Schwartz	Individual	Support	Written Testimony Only

Comments:

We need to stream line.

SB-2033
Submitted on: 2/3/2026 7:52:13 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Nanea Lo	Individual	Support	Written Testimony Only

Comments:

Hello Chairs Keohokalole and Wakai, and members of the CPN and EIG committees:

I support this bill because it helps to remove some of the barriers and costs to making the State's required transition away from fossil fuels to renewable energy.

This bill establishes a streamlined grid-ready home interconnection process to accelerate adoption of distributed energy resources (DERs) and electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Our households are financially constrained. Hawai'i's high energy costs are a significant contributor to affordability challenges. The declining costs for renewable energy sources and electric vehicles offer households a way to reduce their energy costs. However, outdated and misaligned interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs.

SB2033 directly addresses these barriers by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

me ke aloha ʻāina,

Nanea Lo

SB-2033
Submitted on: 2/3/2026 8:05:05 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

Submitted By	Organization	Testifier Position	Testify
Kathleen Roberts	Individual	Support	Written Testimony Only

Comments:

I support this bill because it helps to remove some of the barriers and costs to making the State's required transition away from fossil fuels to renewable energy.

Thanks, Kathleen

SB-2033
Submitted on: 2/3/2026 8:16:43 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

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

Comments:

I strongly support bill 2033

SB-2033
Submitted on: 2/3/2026 8:18:28 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

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

Comments:

Dear Chairs Keohokalole and Wakai, and members of the CPN and EIG committees,

I am in strong support of SB2033. I have personally experienced delays and increased costs resulting from uncertain and changing regulations for two solar-plus-storage projects on Hawaii Island properties.

SB2033 will streamlined the home interconnection process and accelerate adoption of distributed energy resources. This will help consumers achieve clean energy electrification.

It will help Hawaii achieve its clean energy goals.

Please support SB2033.

Thank you, Ron Reilly
Climate Solutions Advocate

SB-2033
Submitted on: 2/3/2026 8:39:29 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

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

Comments:

Aloha Chairs Keohokalole and Wakai, and members of the CPN and EIG committees:

I support SB2033 because it helps to remove some of the barriers and costs to making the State's required transition away from fossil fuels to renewable energy.

Mahalo,

Roberta Baker, Hilo

LATE

SB-2033
Submitted on: 2/3/2026 9:34:42 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

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

Comments:

Aloha Chairs Keohokalole and Wakai, and members of the CPN and EIG committees.

I support this bill because it enables the State's required transition away from fossil fuels to renewable energy.

This bill establishes a streamlined grid-ready home interconnection process to accelerate adoption of distributed energy resources (DERs) and electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Hawai'i's high energy costs are a significant contributor to affordability challenges. The declining costs for renewable energy sources and electric vehicles offer households a way to reduce their environmental footprint and energy expenditures.

SB2033 directly addresses these barriers by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

Mahalo for your consideration.

Keith Neal

Waimea

LATE

SB-2033
Submitted on: 2/3/2026 9:51:51 AM
Testimony for CPN on 2/4/2026 9:30:00 AM

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

Comments:

Aloha Chairs Keohokalole and Wakai, Vice Chairs Fukunaga and Chang, and Committee Members:

I strongly support SB2033.

SB2033 establishes a grid-ready home interconnection process that will help accelerate the adoption of rooftop solar, energy storage, electric vehicle charging, and other electrification technologies while maintaining grid reliability and controlling costs for customers and ratepayers.

Outdated and reactive interconnection and service upgrade processes have too often resulted in delays, uncertainty, and unnecessary costs. SB2033 addresses these challenges by creating clear timelines, transparent cost-sharing, and modernized interconnection standards that better align customer investments with utility planning.

I also support explicitly including **vehicle-to-grid (V2G) and vehicle-to-home (V2H)** capable electric vehicles within the grid-ready home framework, so electric vehicles can provide resilience, grid services, and load management benefits when properly integrated.

For these reasons, I respectfully urge the Committee to pass SB2033.

Mahalo for the opportunity to testify.

Sincerely,

Miles Yoshimoto

Project Developer

Alternate Energy Inc.

96-1276 Waihona Street Unit 114

Pearl City HI 96782

Office 808-842-5853

Web www.alternateenergyhawaii.com