



**STATE OF HAWAII  
HAWAII CLIMATE CHANGE MITIGATION & ADAPTATION  
COMMISSION  
POST OFFICE BOX 621  
HONOLULU, HAWAII 96809**

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Director, Hawai'i DP  
Director, Kaua'i DP  
The Adjutant General  
Manager, CZM

**Testimony of  
Leah Laramee  
Coordinator, Hawai'i Climate Change Mitigation and Adaptation Commission**

**Before the House Committee on  
COMMITTEE ON CONSUMER PROTECTION & COMMERCE**

**Wednesday, February 15, 2023  
2:00 PM**

**State Capitol, Via Videoconference, Conference Room 329**

**In support of  
HOUSE BILL 329 HOUSE DRAFT 1  
RELATING TO ENERGY**

House Bill 329 HD1 requires solar conduit and electrical panel readiness for new residential construction and electric vehicle readiness when an electrical panel and parking area are installed. **The Hawai'i Climate Change Mitigation and Adaptation Commission (Commission) supports this measure.**

The Hawai'i Climate Change Mitigation and Adaptation Commission consists of a multi-jurisdictional effort between 20 different departments, committees, and counties. Electrification of our homes and transportation sector is a key component of becoming climate ready. New construction with solar and electric vehicle readiness is less expensive and sets homes up to be ready when residents are ready to install the infrastructure. By doing the work now we are reducing costs and waste and creating a more resilient future.

Mahalo for the opportunity to testify in support of this measure.

February 14, 2022

Representative Mark Nakashima, Chair  
Representative Jackson Sayama, Vice Chair  
Members of the Committee on Consumer Protection  
And Commerce

RE: **HB 329– RELATING TO ENERGY**  
**Hearing date – February 15, 2023 at 2:00 p.m.**

Aloha Chair Nakashima, Vice Chair Sayama and members of the committee,

Thank you for allowing NAIOP Hawaii to submit testimony in **OPPOSITION** to HB 329 – RELATING TO ENERGY. NAIOP Hawaii is the Hawaii chapter of the nation’s leading organization for office, industrial, retail, residential and mixed-use real estate. NAIOP Hawaii has over 200 members in the State including local developers, owners, investors, asset managers, lenders and other professionals.

HB 329 requires solar conduit and electrical panel readiness for all new residential construction and parking stall installations. These proposed requirements would specifically impact all residential units which include single family and two-family residences.

NAIOP opposes the requirement that new multi-family residential building be EV charger ready as it is unnecessary and would increase the cost of affordable housing projects or prohibit the development of a housing project. Most developers are required to build 30% of their development to be affordable housing. The increased cost associated with installation of the EV charger readiness in new construction will be reflected in the cost of affordable housing units for our residents or prevent a project from penciling out altogether.

Furthermore, as Hawaii is experiencing higher construction costs due to inflation, the additional costs of ensuring that new residential units are EV ready will prevent affordable housing units from being constructed. In conjunction, interest rates have significantly risen in the past year making affordable housing projects nearly infeasible due to rising costs and lower eligible affordable unit sales prices due to AMI restrictions. Accordingly, affordable housing is becoming increasingly more difficult to construct, and requiring EV and Solar readiness will prevent much needed housing units from being constructed for our residents.

Representative Mark Nakashima, Chair  
Representative Jackson Sayama, Vice Chair  
Members of the Committee on Consumer Protection  
And Commerce  
February 14, 2023  
Page 2

NAIOP Hawaii understands the need for zero-emission transportation infrastructure, however, we disagree that the cost should be placed upon the developers of affordable housing, and future homeowners. The financial and housing inventory impacts needs to be analyzed and addressed before mandating further cost onto homebuilding in our state.

Furthermore, most residential properties are privately owned and maintained by an association. Therefore, mandating installation of EV readiness may significantly raise the monthly maintenance costs for each homeowner. This will be especially problematic if the current association's maintenance fees are already costly.

In addition, the proposed requirement is unnecessary since most counties already have EV infrastructure requirements on new construction. Requiring additional mandates of this nature is duplicative and may ultimately result in less housing units being constructed.

Hawaii is in a major housing crisis, which has only worsened over time. Requiring EV readiness may prevent projects from being constructed. Consequently, for projects to be constructed developers will need to pass on the costs to buyers. Accordingly, this bill would be inconsistent with addressing the need to create more affordable housing for Hawaii residents which is a priority of the legislature.

While NAIOP supports creative solutions to incentivize the installation of EV charging stations, it opposes mandating unnecessary and costly requirements that will ultimately have negative impacts on Hawaii's housing supply and local families. For these reasons we urge you to defer HB 329. Thank you for the opportunity to testify on this measure.

Mahalo for your consideration,

A handwritten signature in black ink, appearing to read 'Jennifer Camp', with a stylized flourish at the end.

Jennifer Camp, President  
NAIOP Hawaii



**HOUSE COMMITTEE ON CONSUMER PROTECTION AND COMMERCE**  
**State Capitol**  
**415 South Beretania Street**  
**2:00 PM**

**February 15, 2023**

RE: HB 329 HD1 - RELATING TO ENERGY

Chair Hashimoto, Vice Chair Aiu, and members of the committee:

My name is Max Lindsey, 2023 Government Relations Committee Chair of the Building Industry Association of Hawaii (BIA-Hawaii). Chartered in 1955, the Building Industry Association of Hawaii is a professional trade organization affiliated with the National Association of Home Builders, representing the building industry and its associates. BIA-Hawaii takes a leadership role in unifying and promoting the interests of the industry to enhance the quality of life for the people of Hawaii. Our members build the communities we all call home.

**BIA-Hawaii offers the following comments regarding HB 329 HD1, Relating to Energy.** This bill would require solar conduit and electrical panel readiness for new residential construction and electric vehicle readiness when an electrical panel and parking area are installed.

While we understand the need for zero-emission transportation and green energy infrastructure, we disagree that the cost should be placed upon builders of housing developments, and future homeowners. Financial impact needs to be analyzed and addressed when mandating further cost onto homebuilding in our state.

Hawaii is in a major housing crisis, which continues to worsen.. Rather than placing more costly mandates on construction, perhaps the Legislature should look for creative ways to incentivize the market to move further in that direction, without negatively impacting local families. As the Legislature is aware, the cost of housing in Hawaii is extremely high, with Oahu's median price of homes being currently over \$1 million. Approximately 153,967 U.S. households are priced out of buying a home for every \$1000 increase in price, according to the National Association of Home Builders (NAHB). We are in support of legislation that would allow for the building of much-needed housing at every price point in Hawaii.

Thank you for the opportunity to share our concerns.



## HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE

February 15, 2023, 2:00 P.M.

Conference Room 329

### TESTIMONY IN SUPPORT OF HB 329 HD1

Aloha Chair Nakashima, Vice Chair Sayama, and members of the Committee:

Blue Planet Foundation **supports HB 329 HD1**, which requires solar conduit and electrical panel readiness for new residential construction and electric vehicle (EV) readiness when an electrical panel and parking area are installed.

The State of Hawai'i has committed to a decisive transition away from fossil fuels. The legislature has passed aggressive carbon reduction goals, including a mandate to achieve 100% renewable electricity by 2045 (Act 97 of 2015), and a goal to be carbon-negative by 2045 (Act 15 of 2018), with an interim goal to achieve a 50% reduction from 2005 levels by 2030 (Act 238 of 2022). Setting these bold targets is important, but alone it is insufficient. Hawai'i needs decisive leadership and bold, implementation-focused policies, such as HB 329, if we hope to achieve our clean energy and climate goals.

Hawaiian Electric's current plan for achieving Hawai'i's 100% renewable energy goal includes power generation from the rooftop of nearly every home across the islands. We need to plan for that future today by ensuring that new homes are solar-ready. Further, maximizing solar on rooftops reduces our need to develop other lands for renewable energy projects. On-site rooftop solar also provides additional benefits. Rooftop solar reduces electricity costs for homeowners, as well as the need for utility investments in the power grid, which are paid for by all ratepayers. When paired with batteries, rooftop solar panels can also increase resiliency in neighborhoods, helping homes keep the lights on and communication powered during a blackout.

What's more, the "EV-readiness" elements of this bill would help residents save money on future EV charger installation, reduce the barriers to EV adoption, and address the urgent challenge of reducing carbon emissions from ground transportation. Electric vehicles are the fastest growing segment of new cars in Hawai'i. In 2022, the number of registered electric vehicles in Hawai'i increased more than 25%, compared to only a 1% increase in registered gasoline-powered vehicles.<sup>1</sup> There are currently over 22,000 electric vehicles registered in the

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<sup>1</sup> "Monthly Energy Trends", *DBEDT*, December 2022 (<https://dbedt.hawaii.gov/economic/energy-trends-2/>).

state, a number that is expected to rise exponentially as more electric vehicles come to market, vehicle ranges increase, and the cost of electric vehicles decreases.

In part due to falling costs and increasing consumer demand, and in part due to government policies encouraging the transition towards EVs, nearly all of the world's leading automakers have announced aggressive strategies and investments in electric and plug-in hybrid vehicles over the past two years.<sup>2</sup> **This bill helps to prepare Hawai'i for the future demand for electric vehicles in our state.** By choosing not to plan for EV charging infrastructure in new construction, residents would be forced to pay expensive retrofit costs to upgrade power capacity later when ground transportation has shifted to electric vehicles—a transition that is already well underway.

Please pass HB 329. **This is an important bill aimed at future proofing new construction and encouraging developers to be proactive in installing the power capacity and wiring needed for our clean energy and clean transportation future.**

Thank you for the opportunity to provide testimony.

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<sup>2</sup> Motavalli, Jim. "Every Automaker's EV Plans Through 2035 and Beyond." *Forbes*, October 2021. (<https://www.forbes.com/wheels/news/automaker-ev-plans/>).

**HB-329-HD-1**

Submitted on: 2/13/2023 2:52:54 PM

Testimony for CPC on 2/15/2023 2:00:00 PM

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

Comments:

Strong support. This is a low cost measure that will make it easier for people to do the right thing and have easier access to PV and EV charging. It is part of building a carbon neutral future, a cleaner environment now and saving people money in the near term

**HB-329-HD-1**

Submitted on: 2/14/2023 1:12:49 AM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Ted Bohlen	Climate Protectors Hawaii	Support	Written Testimony Only

Comments:

**STRONG SUPPORT!** This bill would require that new residential construction be solar conduit and panel ready and electric vehicle ready when an electrical panel and parking area are installed. It is much less expensive to install the infrastructure during construction than retrofitting.

This bill would help Hawaii reduce its carbon emissions by encouraging the availability and use of solar panels and electric vehicles. Hawaii needs to transition to solar generation and electric vehicles in order to meet its carbon negative target as soon as practicable not later than 2045.

Please pass this important bill!

Mahalo!

Climate Protectors Hawaii (by Ted Bohlen)





Email: [communications@ulupono.com](mailto:communications@ulupono.com)

HOUSE COMMITTEE CONSUMER PROTECTION & COMMERCE  
Wednesday, February 15, 2023 — 2:00 p.m.

**Ulupono Initiative supports HB 329 HD1, Relating to Energy.**

Dear Chair Nakashima and Members of the Committee:

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

**Ulupono supports HB 329 HD1**, which requires solar conduit and electrical panel readiness for new residential construction and electric vehicle readiness when an electrical panel and parking area are installed.

Ulupono supports the State's efforts to meet its renewable energy and sustainability goals with the infrastructure readiness approach. Solar conduit, electrical panel and electric vehicle readiness are cheaper and easier to build when homes or buildings are originally being built rather than being retrofitted to accommodate these updates. With the State and all counties committed to a clean transportation future, measures such as this will accelerate the transition while also making it less costly.

Thank you for the opportunity to testify.

Respectfully,

Micah Munekata  
Director of Government Affairs

*Investing in a Sustainable Hawai'i*



To: The House Committee on Consumer Protection & Commerce (CPC)  
From: Sherry Pollack, Co-Founder, 350Hawaii.org  
Date: Wednesday, February 15, 2023, 2:00pm

**In support of HB329 HD1**

Aloha Chair Nakashima, Vice Chair Sayama, and CPC Committee members,

I am Co-Founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. 350Hawaii.org **supports HB329 HD1** that would require solar conduit and electrical panel readiness for new residential construction and electric vehicle readiness when an electrical panel and parking area are installed.

In 2020, the city and county of Honolulu smartly enacted a measure to require solar conduit and electrical panel readiness for new construction, and a measure to require electric vehicle readiness when an electrical panel and parking area are installed. By doing so, these actions helped lower the energy costs and carbon footprint of new houses, a big win-win for residents in the city and county of Honolulu. However, families from communities from all counties across the state deserve to be afforded these same benefits, and thus these same actions should be adopted on a statewide basis.

Requiring “solar-ready” roofs and some “EV-ready” parking are low-cost measures that expand access to solar panels and chargers for electric vehicles (EVs), and unlock big additional savings that residents can get by installing these technologies. Without a doubt, the cost of retrofitting buildings and parking infrastructure for EVs is far higher than designing it in from the start.

In addition, requiring “solar-ready” roofs and some “EV-ready” parking will help Hawaii build its way out of the climate crisis instead of making it worse. Hawaii has committed to meeting its energy needs with 100 percent renewable energy by 2045. With rising seas, a worsening hurricane season, struggling coral reefs, and varying supplies of drinking water, the state is already feeling the effects of climate change. Given that new housing and building infrastructure lasts over 50 years, the best time for Hawaii to start setting more ambitious guidelines towards decarbonization for new construction should have started decades ago. The second-best time is now.

Bottomline, HB329 HD1 gives residents access to clean, affordable energy, helping people save money on their monthly bills at a time when so many are struggling, and at the same time helping to save the planet from climate-destroying greenhouse gases. This is an important step to help Hawaii meet its climate goals, reduce costs for residents, and become more resilient.

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

Sherry Pollack  
Co-Founder, 350Hawaii.org

**Big Island Electric Vehicle Association**

hawaiidriveelectric@gmail.com

bigislandev.org



February 14, 2023

**SUPPORT for HB329 HD1 - RELATING TO ENERGY**

Dear Chair Nakashima, Vice Chair Sayama, and Consumer Protection and Commerce Committee members,

**Big Island EV Association supports HB329 HD1 which, *“Requires solar conduit and electrical panel readiness for new residential construction and electric vehicle readiness when an electrical panel and parking area are installed.”***

HB329 HD1 will contribute to the availability of renewable energy and electric vehicle charging systems in Hawaii’s homes. This will accelerate the decarbonization of our economy as it enables more homeowners to adopt renewable energy solutions.

We should strive to ‘do it right, the first time’ to minimize waste and future-proof our new homes. The incremental cost of solar conduits, EV charger-ready wiring, and electrical panel capacity greatly pales compared to the cost of retrofitting.

Thank you for this opportunity to testify in support of HB329 HD1.

Sincerely,

A handwritten signature in black ink, appearing to read 'Noel Morin', with a long horizontal stroke extending to the right.

Noel Morin - President

**Big Island Electric Vehicle Association** ([bigislandev.org](http://bigislandev.org)), established in 2011, is a grassroots non-profit group dedicated to accelerating the EV adoption Hawaii Island. Our members are EV owners and supporters.



**Hawaii Solar Energy Association**  
*Serving Hawaii Since 1977*

**Testimony of The Hawaii Solar Energy Association (HSEA) Regarding HB329 HD1, Relating to Energy, Before the House Committee on Consumer Protection and Commerce**

**Wednesday, February 15, 2023**

Aloha Chair Nakashima, Vice Chair Sayama, and committee members:

The Hawaii Solar Energy Association (HSEA) **supports HB329 HD1**, which extends solar conduit and electrical panel readiness and EV readiness requirements for new single family residential construction statewide.

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. 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.

Requiring new homes to be built with certain baseline solar and EV readiness requirements makes common sense and lowers the cost to achieve Hawaii's resilience and renewable energy goals. It also makes the benefits of renewable energy more accessible to communities that have not yet been able to participate in Hawaii's renewable energy market.

HSEA **supports HB329 HD1** and respectfully urges the committee to advance this measure.

Thank you for the opportunity to testify.

Sincerely,

***/s/ Rocky Mould***

Rocky Mould  
Executive Director

**HB-329-HD-1**

Submitted on: 2/13/2023 4:47:49 PM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Ruta Jordans	Individual	Support	Written Testimony Only

Comments:

Please support HB329. It will help Hawaii meet its renewable energy and sustainability goals

- Solar conduit, electrical panel and electric vehicle readiness are cheaper and easier to build when homes or buildings are originally being built rather than being retrofitted to accommodate these updates.
- Requiring “solar-ready” roofs and “EV-ready” parking are low-cost measures that expand access to solar panels and chargers for electric vehicles (EVs), and unlocks big additional savings that residents can get by installing these technologies.
- HB329 gives residents access to clean, affordable energy, helping people save money on their monthly bills at a time when so many are struggling, and at the same time helping to save the planet from climate-destroying greenhouse gases.
- The cost savings for homeowners who take advantage of this readiness would likely be several hundred of dollars per year while the cost for the readiness would be only a one-time cost of a few hundred dollars compared to the cost of a new home of several hundred thousand for the cost of a home.

**HB-329-HD-1**

Submitted on: 2/13/2023 5:04:07 PM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Mark Gallagher	Individual	Support	Written Testimony Only

Comments:

Chair Nakashima, Vice Chair Sayama, and Committee Members,

Please pass HB 329 as it is smart planning for the future. As a homeowner who added solar to an older residence I can attest to the expense and hassle of retrofitting. Making houses of the future ready to adapt to power sources and vehicles will make a transition to cleaner power cheaper and easier for everyone. Thank you.

Mark Gallagher

**HB-329-HD-1**

Submitted on: 2/13/2023 9:48:54 PM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Melissa Barker	Individual	Support	Written Testimony Only

Comments:

Honorable Members,

I respectfully ask that you support HB329 which will help Hawaii meet its renewable energy and sustainability goals.

Thank you for your attention and courtesy.

Melissa Barker

Kapaa, HI

**HB-329-HD-1**

Submitted on: 2/13/2023 2:49:45 PM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Douglas Perrine	Individual	Support	Written Testimony Only

Comments:

HB329 will ensure that new construction is compatible with the renewable energy requirements that are being enacted to help us meet the climate crisis challenge.



**HB-329-HD-1**

Submitted on: 2/13/2023 7:57:35 PM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Paul Bernstein	Individual	Support	Written Testimony Only

Comments:

Aloha Chair Nakashima, Vice Chair Sayama, and Members of the CPC Committee:

I'm writing to you in **strong support** of HB329 (Photovoltaic Systems and Electric Vehicles; Readiness; New Residential Construction). I know from personal experience the great costs and hassles that come from trying to retrofit one's home when it's not designed to easily install renewable energy. My house's breaker panel and wiring are deficient so I've been unable to install a solar hot water heating system because no contractor wants to do all the required electrical work. Though different from PV systems, the readiness problem of being unable to easily install renewables is exactly what this bill addresses.

Though this bill will add some cost to new homes, the cost increase will pale in comparison to the cost savings that the homeowner would realize from installing PV or replacing an internal combustion engine vehicle with an EV. This bill would lower overall homeownership costs and the carbon footprint of new houses, which is a big win-win for Hawai'i and its residents. Mahalo for hearing this important bill. Please pass this bill out of your committee.

Respectfully,

Dr. Paul Bernstein

Researcher with UHERO

**HB-329-HD-1**

Submitted on: 2/14/2023 6:58:26 AM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Michael Koster	Individual	Support	Written Testimony Only

Comments:

This is a no-brainer. We have to expand EV infrastructure in all new construction in order to lower our state's carbon footprint.

**HB-329-HD-1**

Submitted on: 2/14/2023 7:27:09 AM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Lorn Douglas	Individual	Support	Written Testimony Only

Comments:

Aloha,  
as the state moves to electric transportation the infrastucture has to adapt as well. Please support this bill.

**HB-329-HD-1**

Submitted on: 2/14/2023 7:15:02 AM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Lyle Wilkinson	Individual	Support	Written Testimony Only

Comments:

I support EV charging system readiness in new residential construction.

**HB-329-HD-1**

Submitted on: 2/14/2023 8:42:51 AM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Patrick Lum	Individual	Support	Written Testimony Only

Comments:

I support this measure.

Thanks.

**HB-329-HD-1**

Submitted on: 2/14/2023 8:46:27 AM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Brenden	Individual	Support	Written Testimony Only

Comments:

*I support this measure*

**HB-329-HD-1**

Submitted on: 2/14/2023 9:51:14 AM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Keith Neal	Individual	Support	Written Testimony Only

Comments:

I support Photovoltaic and electric vehicle provisioning in new constuction.

Keith Neal

Waimea

**HB-329-HD-1**

Submitted on: 2/14/2023 9:55:31 AM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Keaton S Woods	Individual	Support	Written Testimony Only

Comments:

New residential construction should facilitate EV charging. Retrofitting to accommodate EV charging is very expensive, so it discourages the adoption of EVs.



**HB-329-HD-1**

Submitted on: 2/14/2023 10:02:57 AM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
David Durazzo	Individual	Support	Written Testimony Only

Comments:

*I support this measure*

**HB-329-HD-1**

Submitted on: 2/14/2023 10:18:52 AM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
John Latkiewicz	Individual	Support	Written Testimony Only

Comments:

The climate crisis is upon us – a warming climate, epic natural disasters, e., fires, floods, heat waves, extinctions. At this point, any and all action to curb greenhouse emissions in particular and gases . It is in that spirit that offer my testimony on ...

Reasons to support HB329

HB329 will help Hawaii meet its renewable energy and sustainability goals

- Solar conduit, electrical panel and electric vehicle readiness are cheaper and easier to build when homes or buildings are originally being built rather than being retrofitted to accommodate these updates.
- Requiring “solar-ready” roofs and “EV-ready” parking are low-cost measures that expand access to solar panels and chargers for electric vehicles (EVs), and unlocks big additional savings that residents can get by installing these technologies.
- HB329 gives residents access to clean, affordable energy, helping people save money on their monthly bills at a time when so many are struggling, and at the same time helping to save the planet from climate-destroying greenhouse gases.
- The cost savings for homeowners who take advantage of this readiness would likely be several hundred of dollars per year while the cost for the readiness would be only a one-time cost of a few hundred dollars compared to the cost of a new home of several hundred thousand for the cost of a home.

COMMITTEE ON CONSUMER PROTECTION AND COMMERCE  
Hearing on Feb. 15, 2023 at 2:00 pm

SUPPORTING HB 329 HD 1

My name is John Kawamoto, and I support HB 329 HD 1.

Our society is shifting toward a clean, renewable energy economy in an effort to avert the catastrophic effects of climate change. Solar panels and electric vehicles are part of this necessary transition. Many homeowners have installed solar panels or electric vehicle charging stations, despite the high cost of retrofitting.

This bill requires new residential construction to include a pathway for installing solar panels and electric vehicle charging stations. It will save money for homeowners later.

**HB-329-HD-1**

Submitted on: 2/14/2023 11:52:43 AM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Nanette Vinton	Individual	Support	Written Testimony Only

Comments:

Aloha Chair Nakashima, Vice Chair Sayama, and CPC committee members,

I am writing in support of bill HB329 HD1 that requires solar conduit and electrical panel readiness for new residential construction and electric vehicle readiness when an electrical panel and parking area are installed.

The demand for clean energy and electric vehicles continues to grow in Hawaii, and it is critical that we make it easier for homeowners to adopt these technologies. The requirement for solar conduit and electrical panel readiness will make it easier and more cost-effective for homeowners to install solar panels, thereby reducing their reliance on fossil fuels and decreasing their overall energy costs.

Additionally, the requirement for electric vehicle readiness when an electrical panel and parking area are installed will make it easier for homeowners to own and use electric vehicles, reducing their dependence on gasoline and improving air quality.

This bill will not only benefit individual homeowners but will also help to create a cleaner, more sustainable future for everyone.

Thank you for your consideration.

Sincerely,

**HB-329-HD-1**

Submitted on: 2/14/2023 12:32:52 PM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
James F Moonier	Individual	Support	Written Testimony Only

Comments:

i fully support this bill.

**HB-329-HD-1**

Submitted on: 2/14/2023 1:33:52 PM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Virginia Tincher	Individual	Support	Written Testimony Only

Comments:

As an EV owner and supporter of EV ownership I testify in support of HB329 HD1

Virginia Tincher

Aina Haina, Oahu

**HB-329-HD-1**

Submitted on: 2/14/2023 2:53:50 PM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Kevin Kern	Individual	Support	Written Testimony Only

Comments:

This requirement ensures future proofing new housing for EV ready homes that will also support solar power on the roof.

**HB-329-HD-1**

Submitted on: 2/15/2023 1:17:24 AM

Testimony for CPC on 2/15/2023 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Ruth Love	Individual	Oppose	Written Testimony Only

Comments:

Unnecessary. We already require new construction to have solar hot water heaters.

People who purchase an electric vehicle at 10-40k higher than a gasoline combustion car can afford the \$1400.00 for their own charging station. Wait until they need a new battery.

We, as taxpayers, are not and should not be required to subsidize someone else's extravagant expense.

Thank you,

Mrs Ruth Love