



DAVID Y. IGE  
GOVERNOR

JOSH GREEN  
LT. GOVERNOR

**STATE OF HAWAII  
OFFICE OF THE DIRECTOR  
DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS**

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CATHERINE P. AWAKUNI COLÓN  
DIRECTOR

JO ANN M. UCHIDA TAKEUCHI  
DEPUTY DIRECTOR

**Testimony of the Department of Commerce and Consumer Affairs**

**Before the  
House Committee on Consumer Protection & Commerce  
Thursday, April 21, 2022  
2:00 PM  
Conference Room 423 & Videoconference**

**On the following measure:  
SCR 103, SD1, HD1, REQUESTING THE HAWAII STATE ENERGY OFFICE TO  
CONVENE A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO THE  
INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT  
DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO  
STATUTES, RULES, AND OTHER GUIDANCE TO HELP CLARIFY AND  
FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS  
IN MULTI-UNIT DWELLINGS**

Chair Johanson and Members of the Committee:

My name is Dean Nishina, and I am the Executive Director of the Department of Commerce and Consumer Affairs' (Department) Division of Consumer Advocacy. The Department appreciates the intent and offers comments on this resolution.

The purpose of this resolution is to request the Hawaii State Energy Office (HSEO) to convene a working group to examine issues and barriers to the installation of electric vehicle charging systems in multi-unit dwellings and make recommendations regarding changes to statutes and rules or other guidance to help clarify and facilitate the installation of electric vehicle charging systems in multi-unit dwellings.

The Department recognizes the benefits of electric vehicles on helping Hawaii with its climate goals, especially since the transportation sector, including motor vehicles, represents the largest contributor to carbon emissions. For that reason, the Department supports the exploration of how electric vehicles (EV) and EV charging can be encouraged in an equitable and cost-effective manner, where EVs and EV charging will be broadly accessible, affordable without requiring vulnerable customers to bear the burden of supporting the costs without being able to benefit from such efforts, and to allow EV charging to benefit the grid. Therefore, while the Department defers to HSEO about convening a working group pursuant to this resolution, the Department believes it is reasonable to better understand barriers and issues that may inhibit the installation of electric vehicle charging systems in multi-unit dwellings and determine possible changes to support the cost-effective and equitable installation of EV charging infrastructure.

The Department also offers that the Hawaii Public Utilities Commission (Commission) is currently investigating the facilitation of electric vehicle charging within the context of current statutes and rules in various proceedings such as, Docket Nos. 2018-0088, 2018-0135, 2020-0152, and 2021-0173, to name examples. Further, the Department - as well as HSEO - participates in the Drive Electric Hawaii initiative that is exploring similar issues. Thus, the Department looks forward to collaborating with the proposed working group to take advantage of the work already done and is being done by the Drive Electric Hawaii Initiative as well as the Commission.

Thank you for the opportunity to testify on this resolution.

TESTIMONY OF  
JAMES P. GRIFFIN, Ph.D.  
CHAIR, PUBLIC UTILITIES COMMISSION  
STATE OF HAWAII

TO THE  
HOUSE COMMITTEE ON  
CONSUMER PROTECTION AND COMMERCE

April 21, 2022  
2:00 p.m.

Chair Johanson and Members of the Committee:

**MEASURE:** S.C.R. No. 103 SD1 HD1

**TITLE:** REQUESTING THE HAWAII STATE ENERGY OFFICE TO CONVENE A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO STATUTES AND RULES OR OTHER GUIDANCE TO HELP CLARIFY AND FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS.

**POSITION:**

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

**COMMENTS:**

The Commission supports the intent of this resolution to examine barriers to the installation of electric vehicle charging systems and develop recommendations to resolve any identified issues.

The Commission notes that it recently approved Hawaiian Electric’s (“Companies”) “Charge Ready Hawai’i” Pilot Project. This program proposes installing make-ready infrastructure to enable an estimated 180 charging points in the Companies’ service territories. This is intended to support customer installation of electric vehicle charging infrastructure at commercial sites, multi-unit dwellings, and fleet parking locations. The program intends to reduce upfront costs for customers seeking to install charging

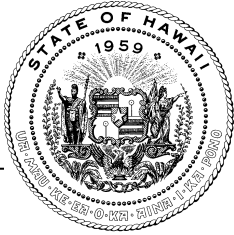
infrastructure by providing make-ready infrastructure at the Companies' expense. In its approval order, the Commission "encourage[d] the Companies to deploy infrastructure in underserved communities and to prioritize when possible, sites that provide unrestricted public access to charging facilities."<sup>1</sup>

The Commission is willing to work with the Hawaii State Energy Office (HSEO) on the efforts proposed in this resolution and defers to HSEO on the specific contents of the resolution.

Thank you for the opportunity to testify.

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<sup>1</sup> [Decision & Order No. 38194](#), at 40.



# HAWAII STATE ENERGY OFFICE STATE OF HAWAII

DAVID Y. IGE  
GOVERNOR

SCOTT J. GLENN  
CHIEF ENERGY OFFICER

235 South Beretania Street, 5th Floor, Honolulu, Hawaii 96813  
Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804

Telephone:  
Web:

(808) 587-3807  
energy.hawaii.gov

Testimony of  
**SCOTT J. GLENN, Chief Energy Officer**

before the  
**HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE**

Thursday, April 21, 2022  
Time 2:00 PM  
State Capitol, Conference Room 423 or Via Videoconference

**SUPPORT  
SCR 103 SD1 HD1  
REQUESTING A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO  
THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-  
UNIT DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO  
STATUTES, RULES, AND OTHER GUIDANCE TO HELP CLARIFY AND  
FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS  
IN MULTI-UNIT DWELLINGS.**

Chair Ling Johanson, Vice Chair Kitagawa, and Members of the Committee, the Hawai'i State Energy Office (HSEO) offers support with comments on SCR 103 SD1 HD1, which requests the Hawaii State Energy Office to convene a working group to examine issues and barriers to the installation of electric vehicle charging systems in multi-unit dwellings (MUDs) and make recommendations regarding changes to statutes, rules, and other guidance to help clarify and facilitate the installation of electric vehicle charging systems in multi-unit dwellings.

Emissions from transportation account for the largest share of energy sector emissions in the state. As noted in the 2017 Greenhouse Gas Inventory, transportation emissions in Hawai'i account for 51 percent of total energy sector emissions. A coordinated effort is needed amongst a wide range of stakeholders to continue meaningful progress on clean transportation. Ensuring access for residents of MUDs to fuel their zero-emission vehicles is necessary to maintain momentum in the decarbonization of ground transportation. Access to charging infrastructure is improving but remains one of the significant barriers to electric vehicle (EV) adoption.

HSEO appreciates the House Committee on Energy and Environmental Protection's amendments clarifying that the representative of the Hawaii State Energy Office is requested to convene the working group and serve as its chairperson or designate another member of the working group to serve as chairperson if mutually agreed upon by the members and adding a representative from the Kauai Island Utility Cooperative. HSEO notes there are currently no generally funded transportation positions within HSEO to support leading this working group. HB 1600 HD1 SD2 eliminates an authorized but unfunded Energy Analyst position in HSEO. This position, which is needed to interface with stakeholders at the Legislature, state departments, county agencies, federal partners, industry, and other stakeholder groups to coordinate state clean transportation efforts with the overarching state energy policy, would enable HSEO to support a working group such as this. Unless the Energy Analyst position is retained in the budget and general funds are appropriated for payroll, HSEO would not have a position to support transportation efforts such as the proposed working group.

Thank you for the opportunity to testify.



April 19, 2022

Representative Aaron Ling Johanson, Chair  
Representative Lisa Kitagawa, Vice-Chair  
House Committee on Consumer Protection and Commerce

Re: **SCR 103, SD1, HD21 (HSCR 2115-22) Requesting the Hawaii State Energy Office to Convene a Working Group to Examine Issues and Barriers to the Installation of Electric Vehicle Charging Systems in Multi-Unit Dwellings and Make Recommendations Regarding Changes to Statutes and Rules and Other Guidance to Help Clarify and Facilitate the Installation of Electric Vehicle Charging Systems in Multi-Unit Dwellings. Testimony in Support**  
**Hearing Date: Thursday, April 21, 2022 at 2 p.m.**

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

Hawaii Council of Community Associations (“HCCA”) agrees with the intent and purpose of **SCR 103, SD1, HD21 (HSCR 2115-22)** and asks that the Resolution be adopted and implemented.

- Existing multi-unit residential dwellings do not have charging stations in their parking facilities, and in order to expend association funds to install such equipment, there has to be a clear showing that the expenditure will benefit all or most of the owners. In 2022, most unit owners in multi-unit residential buildings do own EV’s. The opposite is more likely the case. That being the case, there would be no justification for multi-unit residential dwelling associations to expend substantial association sums to install charging stations in their parking structures to benefit less than all or most of the residents in the building.
- Any requirement that condos, co-ops and planned community associations have to plan for charging stations in each stall would be cost prohibitive and unnecessary based on the current state of the technology that already has charging stations that can fully charge a car in 30 minutes or charging stations with dual ports so that 1 charging station can charge 2 vehicles at the same time;
- SB2196 would require developers who are planning to build a new condo, co-op or planned community after 1/1/2023, to install chargers in the parking facilities so that the building will be “EV charger ready” – whatever that means when you are dealing with an evolving technology. Does that mean 1 dual charger for every 2 stalls or 1 charging station in each stall. I understand that there are now “wireless” chargers. Can they be installed in the

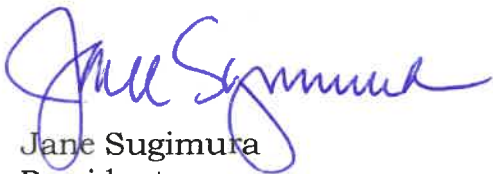
# HCCA

Hawaii Council of Community  
Associations  
www.hawaiicouncil.com

parking structures instead of charging stations that need to be connected to an electricity source?

- The Executive Order signed by President Joe Biden in August 2021 set a national goal for zero-emissions vehicles to make up 50% of the new cars and trucks sold by 2030. If Hawaii meets the National goal and 50% of the cars and trucks bought in Hawaii in 2030 are EV's, that means that buildings being constructed in 2023 with each parking stall "EV charger ready" will not be used for EV since 50% or more of the stalls will be used by non-EV cars, and the cost to make 100% of the stalls "EV charger ready" will have been wasted since those costs would already have been passed on to the consumers who purchased the units to which the stalls are appurtenant.
- HECO has a plan awaiting PUC approval that would target a minimum of 75 publicly accessible EV charging sites in Oahu (44 sites), Maui (16 sites) and Hawaii Island (15 sites) for the installation of 150 single port DC EV fast charging stations and 150 dual port level 2 EV charging stations for public use with maintenance and repair of the charging stations included, and they have more installations planned that would result in many more public charging stations being made available to EV owners that can be factored in to the planning that condos, co-ops and planned community developments could incorporate into their plans for making their project "EV charger ready" for their residents who have EV's.
- Before issuing mandates that would require installation of charging stations in multi-unit buildings, the Legislature should wait until 2025 or 2026 to see how EV's are selling, how the charging station technology is evolving and how many people in Hawaii actually own EV's before requiring condos, co-ops and planned community developments to establish plans as to how their projects will be able to accommodate EV's.
- For these reasons and other, I support the Resolution to allow a working group to consider the issues facing multi-unit residential dwellings as to how they will make their projects "EV charger ready."

Thank you for allowing me to testify on this measure.



Jane Sugimura  
President





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

HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE  
Thursday, April 21, 2022 — 2:00 p.m.

**Ulupono Initiative supports SCR 103 SD 1 HD 1, Requesting the Hawai'i State Energy Office to Convene a Working Group to Examine Issues and Barriers to the Installation of Electric Vehicle Charging Systems in Multi-Unit Dwellings and Make Recommendations Regarding Changes to Statutes, Rules, and Other Guidance to Help Clarify and Facilitate the Installation of Electric Vehicle Charging Systems in Multi-Unit Dwellings.**

Dear Chair Johanson and Members of the Committee:

My name is Micah Munekata, and I am the Director of Government Affairs at Ulupono Initiative. We are a Hawai'i-focused impact investment firm that strives to improve 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; and better management of freshwater and waste.

**Ulupono Initiative supports SCR 103 SD 1 HD 1.** Our Ulupono team invests and partners with others in our community to promote clean, alternative fuel for transportation, recognizing that ground transportation makes up a significant portion of Hawai'i's reliance on imported oil. We support Hawai'i's reduction of fossil fuel use as we strive to meet the State's 100% renewable energy goal and its carbon net neutral goal by 2045.

We appreciate that this resolution seeks to convene a working group to examine multi-unit dwelling EV charging access. We believe that this group can be helpful in identifying the various barriers that may exist and to offer a diverse set of solutions to support community EV adoption for multi-unit dwellings so the benefits of driving electric can be shared by all. We ask this committee to consider adding another member from the Electric Vehicle Charging System industry to the Working Group.

Thank you for this opportunity to testify.

Respectfully,

Micah Munekata  
Director of Government Affairs

*Investing in a Sustainable Hawai'i*



April 20, 2022

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

RE: **SCR 103 – REQUESTING THE HAWAII STATE ENERGY OFFICE TO CONVENE A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO STATUTES AND RULES OR OTHER GUIDANCE TO HELP CLARIFY AND FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS.**

**Hearing date – April 21, 2022 at 2:00 p.m.**

Aloha Chair Johanson, Vice Chair Kitagawa and members of the committee,

Thank you for allowing NAIOP Hawaii to submit testimony offering **COMMENTS** on SCR 103 which convenes a working group to examine issues and barriers to the installation of electric vehicle (EV) charging systems in multi-unit dwellings and make recommendations regarding changes to statutes and rules or other guidance to help clarify and facilitate the installation of electric vehicle charging systems in multi-unit dwellings. 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.

SCR 103 seeks to establish a working group to examine barriers to installation of EV charging systems in multi-unit dwellings and a range of technical solutions, including cost recovery and capacity management.

Most importantly, SCR 103 expressly enumerates members of the working group that will discuss and examine the issues relevant to installation of EV charging systems. NAIOP Hawaii is concerned with current composition of the working group which includes governmental representatives, homeowner association representatives, EV charging industry representatives, utilities, but fails to include representation from housing developers and the construction industry.

Accordingly, NAIOP Hawaii strongly recommends that additional positions on the working group be created to include representation for housing developers and the construction industry. This will allow for a balanced discussion among all interested parties to help carefully consider the impacts of proposed recommendations on Hawaii's housing market.

We suggest the following amendments to the resolution to include members of the building and development communities in the working group:

BE IT FURTHER RESOLVED that the members of the working group include the following:

(1) A representative from the Hawaii State Energy Office, who is requested to officially convene the working group and serve as its chairperson;

(2) The Director of Commerce and Consumer Affairs, or the Director's designee;

(3) A representative of the Public Benefits Fee Administrator;

(4) A representative from the City and County of Honolulu's Department of Planning and Permitting;

(5) An individual who sits on the board of directors of an association of apartment owners appointed by the Chief Energy Officer of the Hawaii State Energy Office;

(6) A representative from the Kauai Island Utility Cooperative;

(7) A representative from the Hawaiian Electric Company, Inc.;

(8) A representative from the Community Associations Institute Hawaii Chapter;

(9) One representative from the electric vehicle charging system industry appointed by the Speaker of the House of Representative; [~~and~~]

(10) A representative from a non-profit organization that works on electrification of transportation policy appointed by the President of the Senate; [~~and~~]

Representative Aaron Ling Johanson, Chair  
Representative Lisa Kitagawa, Vice Chair  
Members of the Committee on Consumer Protection  
and Commerce  
April 20, 2022  
Page 3

(11) A representative from NAIOP Hawaii Chapter;

(12) A representative from an organization that develops multi-family residential properties in Hawaii;

(13) A representative from a non-profit or other organization that develops affordable housing in Hawaii; and

(14) A representative from the Building Industry Association; and

NAIOP Hawaii appreciates the legislatures commitment to finding creative solutions relating to installation of EV charging stations in multi-unit dwellings and look forward to working together to address this issue. Thank you for the opportunity to testify on this measure.

Mahalo for your consideration,

Michael Iosua  
NAIOP Hawaii

Hawaii Electric Vehicle Association  
hawaiiev.org  
info@hawaiieva.com



April 20, 2022

Dear Chair Johanson, Vice-Chair Kitagawa, and members of the committee,

**Hawaii Electric Vehicle Association (Hawaii EV) supports SCR 103.**

We support efforts designed to accelerate the decarbonization of our ground transportation, a significant contributor to our greenhouse gas emissions. A working group represented by all relevant sectors will help ensure that our efforts are aggressive and sustainable.

We're especially supportive of efforts to enable broader and more equitable adoption of clean transportation. Given the number of multi-unit housing across our state and the technical challenges that make it challenging for associated households to adopt electric cars, we must develop charging solutions and strategies that will make EV ownership feasible for residents in these housing situations.

While this resolution explicitly mentions "the installation of electric vehicle charging systems in multi-unit dwellings," I must note that the solutions for residents in multi-unit dwellings go beyond traditional stand-alone charging solutions. Shared mobility, including transport as an amenity<sup>1</sup>, strategically placed public charging, smart chargers<sup>2</sup> that orchestrate charging across multiple vehicles, and even 110/220v receptacles that residents can use with portable chargers that typically come with electric cars, are examples.

Thank you for this opportunity to testify.

Sincerely,

Noel Morin  
President  
Hawaii EV Association

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**Hawaii EV Association** is a grassroots non-profit group representing electric vehicle owners in Hawaii. Our mission is to accelerate the electrification of transportation through consumer education, policy advocacy, and electric vehicle charging infrastructure expansion. For more information, please visit [hawaiiev.org](http://hawaiiev.org).

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<sup>1</sup> EVs as a Service - [hawaiiev.org/blog/envoy](http://hawaiiev.org/blog/envoy)

<sup>2</sup> EverCharge SmartPower - [evercharge.net/blog/how-evercharge-and-pacific-current-are-solving-multifamily-home-charging-in-hawaii/](http://evercharge.net/blog/how-evercharge-and-pacific-current-are-solving-multifamily-home-charging-in-hawaii/)



### **Hawaii EV Board**

Noel Morin, President  
Nanette Vinton, Secretary, and Treasurer  
Bill Bugbee – Director  
Tam Hunt - Director  
Sonja Kass – Director  
Rob Weltman – Director

### **Hawaii EV Clubs**

Big Island EV Association  
Kauai EV  
Maui Nui EV  
Tesla Hawaii Club



To: The House Committee on Consumer Protection & Commerce  
From: Sherry Pollack, Co-Founder, 350Hawaii.org  
Date: Thursday, April 21, 2022, 2pm

**In support of SCR103**

Aloha Chair Johanson, Vice Chair Kitigawa, and Consumer Protection & Commerce 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 SCR103** requesting the Hawaii State Energy Office convene a working group to examine issues and barriers to the installation of electric vehicle charging systems in multi-unit dwellings and make recommendations regarding changes to statutes, rules, and other guidance to help clarify and facilitate the installation of electric vehicle charging systems in multi-unit dwellings. However, we note that amendments to this resolution that changed the composition of this working group were not beneficial to achieving the goals and objectives as stated. We request that the working group include a representative from the Hawaii Electric Vehicle Association, as was specified in the original language of this resolution. This organization would provide critical knowledge and expertise that would greatly enhance the effectiveness of this working group.

Please **PASS this important resolution with the requested amendment.**

Thank you for the opportunity to testify.  
Sherry Pollack  
Co-Founder, 350Hawaii.org

**SCR-103-HD-1**

Submitted on: 4/20/2022 12:58:57 PM

Testimony for CPC on 4/21/2022 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Sandie Wong	Tesla	Support	Remotely Via Zoom

Comments:

Tesla supports SCR103 and request to be a member of the Working Group. Thank you.





**Hawaiian  
Electric**

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

**SCR 103 SD1 HD1**

**REQUESTING THE HAWAII STATE ENERGY OFFICE TO CONVENE A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO STATUTES, RULES, AND OTHER GUIDANCE TO HELP CLARIFY AND FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS.**

April 21, 2022  
2:00 PM, Agenda Item #5  
State Capitol, VIDEO CONFERENCE

June Chee  
Program Manager, Electrification of Transportation  
Hawaiian Electric Company

Aloha Chair Johanson, Vice Chair Kitagawa, and Committee Members,

My name is June Chee, and I am testifying on behalf of Hawaiian Electric Company providing testimony **in support of SCR 103 SD1 HD1** as it supports the installation of additional and reliable electric vehicle (EV) infrastructure for those living in multi-unit dwellings.

Hawaiian Electric is diligently working to support the electrification of transportation and through the Electric Vehicle Critical Backbone Study forecasted the need of seven-times more public charging by 2030 and an even greater need for private commercial and residential charging. This insight helped the Company focus its support and momentum for electrification of transportation through programs and initiatives such as EV-specific rates to encourage daytime charging, the Charge Up eBus make ready pilot, a proposal to expand our public charging network, and our recently approved

Charge Ready Hawaii pilot. The Charge Ready Hawaii pilot will provide make ready infrastructure for EV charging systems and focuses on publicly available commercial properties, fleet owners, and multi-unit dwellings. The 3-year pilot will provide valuable insight into the make ready infrastructure process and integration of EV charging stations. Additionally, lessons learned from the pilot will help to inform the proposed working group by identifying barriers, providing technical solutions, and identifying use cases for multi-unit dwelling customers. Hawaiian Electric is supportive of efforts that encourage the planning for and installation of EV infrastructure in these key locations as it will help to serve EV charging needs of current and future EV drivers. Thank you for this opportunity to testify.



**SanHi**

GOVERNMENT STRATEGIES

A LIMITED LIABILITY LAW PARTNERSHIP

DATE: April 20, 2022

TO: Representative Aaron Johanson  
Chair, Committee on Commerce and Consumer Protection

FROM: Tiffany Yajima

RE: **SCR 103, SD1, HD1 – REQUESTING THE HAWAII STATE ENERGY OFFICE TO CONVENE A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO STATUTES, RULES, AND OTHER GUIDANCE TO HELP CLARIFY AND FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS.**

**Hearing Date: Thursday, April 21, 2022 at 2:00 p.m.**  
**Conference Room: 423**

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

On behalf of the Alliance for Automotive Innovation (“Auto Innovators”) we submit this testimony supporting the intent of SCR 103, SD1, HD1, which requests the Hawaii State Energy Office to convene a working group on electric vehicle charging systems in multi-unit dwellings and to make recommendations to facilitate the installation of EV charging systems in these housing communities.

The Alliance for Automotive Innovation is the singular, authoritative and respected voice of the automotive industry. Focused on creating a safe and transformative path for sustainable industry growth, the Alliance for Automotive Innovation represents the manufacturers producing nearly 99 percent of cars and light trucks sold in the U.S. Members include motor vehicle manufacturers, original equipment suppliers, technology, and other automotive-related companies and trade associations.

Automobile manufacturers are already transitioning toward an electric future and a new generation of ZEVs is coming with 130 models expected for sale in the U.S. market by 2026, up from over 50 models today. While there is a growing interest in electric vehicles, Hawaii’s charging infrastructure is lacking, and presents a key barrier to broader EV adoption. Many Hawaii residents live in apartments, condominiums and multi-unit dwellings that cannot support electric vehicle charging at home, and without sufficient at-home charging infrastructure drivers are hesitant to invest in electric vehicles that cannot be easily recharged. This measure supports the build-out of EV charging infrastructure in new residential properties to prepare communities for the transition to electric vehicles.

Auto Innovators participated as a resource panelist several years ago when the state convened a similar working group to study this issue, and remain ready and willing to support the State Energy Office and this working group as a participant to provide input on technical specifications and other recommendations for EV charging infrastructure.

Thank you for the opportunity to submit this testimony.

**SCR-103-HD-1**

Submitted on: 4/20/2022 1:59:07 PM

Testimony for CPC on 4/21/2022 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:

Hawaii needs to transition to electric vehicles in order to mitigate the climate crisis. Residents in multi-unit housing need access to EV chargers. We need to study how to remove barriers to installation of EV chargers.

Please pass this resolution!

Mahalo!

Climate Protectors Hawaii (by Ted Bohlen)

**SCR-103-HD-1**

Submitted on: 4/20/2022 12:09:08 PM

Testimony for CPC on 4/21/2022 2:00:00 PM

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

Comments:

Aloha Trusted Lawmakers,

This is a very important to help renter and working folks that don't have a garage.

Mahalo,

Steve Parsons, Wailua

**SCR-103-HD-1**

Submitted on: 4/20/2022 12:56:44 PM

Testimony for CPC on 4/21/2022 2:00:00 PM

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

Comments:

Aloha Chair Johanson and Mmembers o fthe COMMITTEE ON CONSUMER PROTECTION & COMMERCE,

I am in **strong support** of this measue, and both as an EV owner and a former owner-resident of a condominium.

Thank you for your consideration, Ron Reilly

**SCR-103-HD-1**

Submitted on: 4/20/2022 1:21:22 PM

Testimony for CPC on 4/21/2022 2:00:00 PM

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

Comments:

Please support now. All residents in multi unit dwellings need access to chargers for us to even make a dent in cutting fossil fuel emissions.

99-7815 Kapoha Pl, Volcano Hi 96785



**SCR-103-HD-1**

Submitted on: 4/20/2022 1:16:32 PM

Testimony for CPC on 4/21/2022 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 Johanson, Vice Chair Kitagawa, and CPC Committee Members:

I'm writing in strong support of SCR103. The problem with EV penetration is primarily one of charging infrastructure. Therefore, we need a study to figure out what barriers exist in the building out of this infrastructure. Please pass this measure so that Hawaii can address its greenhouse gas emissions from the transportation sector.

Respectfully,

Paul Bernstein

**SCR-103-HD-1**

Submitted on: 4/20/2022 12:00:10 PM

Testimony for CPC on 4/21/2022 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:

Dear Chair Johanson, Vice-Chair Kitagawa, and CPC Committee Members,

I am writing in **support** of **SCR103 SD1 HD1**.

As a long-time EV owner, I am happy to see the significant EV growth in our state over the past few years. However, the lack of access to home charging for those living in condos is a common reason people are hesitant to buy EVs. Addressing the barriers to installing charger infrastructure needs to be done as soon as possible to further facilitate EV adoption.

Respectfully submitted,

Nanette Vinton

Mililani, HI

**LATE**

**SCR-103-HD-1**

Submitted on: 4/20/2022 4:43:40 PM

Testimony for CPC on 4/21/2022 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Jason Burks	Envoy Hawaii	Support	Written Testimony Only

Comments:

We support this resolution! We need more chargers in MUD and office parks!

**LATE**



Heather Cutter, President  
Dave Rolf, Executive Director

Written Testimony by  
**David H. Rolf, Executive Director, Hawaii Automobile Dealers Association**

for the  
**Committee on Consumer Protection and Commerce**  
Thursday, April 21, 2022  
Time 2 p.m.  
State Capitol, via Videoconference  
providing testimony **in support of SCR103, SD1, HD1**

**REQUESTING THE HAWAII STATE ENERGY OFFICE TO CONVENE A WORKING GROUP TO EXAMINE ISSUES AND BARRIERS TO THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS AND MAKE RECOMMENDATIONS REGARDING CHANGES TO STATUTES, RULES, AND OTHER GUIDANCE TO HELP CLARIFY AND FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS**

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

HADA strongly supports Hawaii's transition to electric vehicles.

In the past decade, Hawaii's new car dealers have demonstrated this strong support by spending millions of dollars in the transition to electric vehicles. Hawaii new car dealers **are strongly in support of SCR 103, SD1, HD1.**

This is a resolution that proposes to convene a working group to examine the issues and barriers to the installation of electric vehicle charging systems in multi-unit dwellings and make recommendations regarding changes to statutes, rules and other guidance to help clarify and facilitate the installation of electric vehicle charging systems in multi-unit dwellings.

Renewables are critical to meeting climate goals and must expand rapidly.

What is needed more than anything today is to have all stakeholders working together on a path to EV adoption. HADA's dealers have joined with the National Automobile Dealers Association's position in being "all-in" on electric vehicles.

Dealers have acquired a great storehouse of data on the automotive industry and are particularly aware of customers' needs and interests—including their need for home-based electric vehicle charging stations. Dealers can provide helpful input to the working group that is proposed to be established by this resolution.

Our association is in hopes that our members will be asked provide industry input for this worthy effort to address the issues and barriers to more rapid adoption of electric vehicles in multi-unit dwellings.

HADA's dealers continue to work with all in this transition and thank you for the opportunity to testify in Support of SCR 103, SD1, HD1.

SCR 103 SD 1 HD 1 TESTIMONY

**LATE**

To: House Committee on Consumer Protection and Commerce  
Hearing on April 22, 2022 at 2:00 p.m.

From: John Kawamoto

Position: Support

Transportation represents a large sector of the economy. One reason that gas powered personal vehicles have become so popular is that they are convenient to refuel. There are now 168,000 retail gas outlets across the country, with 400 to 500 of them in Hawaii.

As a society, we are transitioning toward electric vehicles to eventually eliminate the emission of greenhouse gases. We are trying to avoid a global climate disaster that threatens to undermine civilization as we know it.

To accelerate the transition to electric vehicles, easy access must be provided to electric vehicle charging stations. This concurrent resolution facilitates the installation of electric vehicle charging stations in multi-unit dwellings.

**LATE**

**SCR-103-HD-1**

Submitted on: 4/20/2022 4:30:02 PM

Testimony for CPC on 4/21/2022 2:00:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Gerard Silva	Individual	Oppose	Written Testimony Only

Comments:

This would create a hardship on the Owners of the Mult-unit Dwellings to have to Implement this afture the Units were all ready completed!!!

**LATE**

**SCR-103-HD-1**

Submitted on: 4/20/2022 5:42:23 PM

Testimony for CPC on 4/21/2022 2:00:00 PM

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

Comments:

I support this resolution.



**LATE**

**SCR-103-HD-1**

Submitted on: 4/21/2022 10:56:13 AM

Testimony for CPC on 4/21/2022 2:00:00 PM

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

Comments:

Thank you for doing all you can to support urgently needed environmental legislation!

Electrical vehicles are cheaper to maintain and operate. They also reduce pollution in the air and slow down climate change.