

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 Energy & Environmental Protection  
Thursday, April 14, 2022  
9:00 AM  
Conference Room 325 & Videoconference**

**On the following measure:  
SCR 103, SD1, 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 Lowen 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.

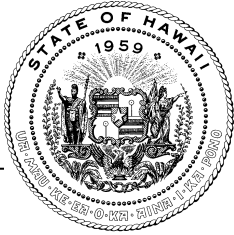
The purpose of this resolution is to request the Hawaii State Energy Office (HSEO) to convene a working group to examine issues and barriers to the installation of electric vehicle charging systems in multi-unit dwellings and make recommendations regarding changes to statutes, rules, and other guidance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



# HAWAII STATE ENERGY OFFICE STATE OF HAWAII

DAVID Y. IGE  
GOVERNOR

SCOTT J. GLENN  
CHIEF ENERGY OFFICER

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

before the  
**HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION**

Thursday, April 14, 2022  
Time 9:00 AM  
State Capitol, Conference Room 325 or Via Videoconference

**SUPPORT  
SCR 103, SD1  
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 Lowen, Vice Chair Marten, and Members of the Committee, the Hawai'i State Energy Office (HSEO) offers support with comments on SCR 103, SD1, 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 Senate Committee on Energy, Economic Development, and Tourism and Committee on Transportation amendments providing HSEO greater discretion to appoint appropriate members to the working group. HSEO offers the following comments regarding leading the working group to examine EV charging in MUDs. HSEO notes there are currently no generally funded transportation positions within HSEO to support leading this working group. HB 1600, HD1 provided general funds for an authorized but unfunded Energy Analyst position in HSEO. This position, which would 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 also enable HSEO to support a working group such as this should a budget funding that position become adopted into law. HSEO awaits the budget worksheets for HB1600, HD1, SD2 passed out by the Senate Committee on Ways and Means to know whether funding was maintained for the authorized but unfunded Energy Analyst position that would support transportation efforts such as the working group proposed here.

Thank you for the opportunity to testify.

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

TO THE  
HOUSE COMMITTEE ON  
ENERGY AND ENVIRONMENTAL PROTECTION

April 14, 2022  
9:00 a.m.

Chair Lowen and Members of the Committee:

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

**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, RULES, AND 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>

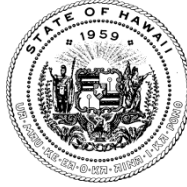
The Commission is willing to work with the Hawaii State Energy Office (HSEO) on the efforts proposed in these resolutions and defers to HSEO on the specific contents of the resolution.

Thank you for the opportunity to testify.

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

DAVID Y. IGE  
GOVERNOR



**TESTIMONY BY:**

JADE T. BUTAY  
DIRECTOR

Deputy Directors  
ROSS M. HIGASHI  
EDUARDO P. MANGLALLAN  
PATRICK H. MCCAIN  
EDWIN H. SNIFFEN

**STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION**  
869 PUNCHBOWL STREET  
HONOLULU, HAWAII 96813-5097

April 14, 2022  
9:00 A.M.

State Capitol, Conference Room 325/Teleconference

**S.C.R. 103, S.D. 1  
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**

House Committee on Energy & Environmental Protection

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The Department of Transportation (DOT) **supports** this resolution that requests the Hawaii State Energy Office to convene a working group to examine issues and barriers to the installation of electric vehicle (EV) charging systems in multi-unit dwellings.

The DOT is committed to meeting the state's clean energy goals and supports the wide-spread adoption of electric and zero-emission vehicles. The DOT's track record includes a significant purchase of light-duty EVs for its fleet in 2021 with plans to continue to convert its fleet over the next few years. Our current electrification contract for these vehicles enables the DOT to install charging stations and the charging service quickly and efficiently with no upfront equipment costs. There are photovoltaic panels installed at DOT field offices statewide designed to power EV charging stations in the near future. In addition, the DOT pursues strategies to support expansion of EV charging facilities across the state.

In addition to these efforts underway and the initiatives proposed in this measure, the DOT is also the lead for the State of Hawaii for the National EV Infrastructure formula program and the two new complementary discretionary funding programs, the Corridor Charging Grant Program and the Community Charging Grant Program. These programs aim to deploy publicly accessible EV charging infrastructure and hydrogen, propane, and natural gas fueling infrastructure along designated Alternative Fuel

Corridors and in communities. These are new program authorized under the federal Infrastructure Investment and Jobs Act signed into law in November 2021. The DOT is working in close partnership with the Hawaii State Energy Office and the counties to develop the state electrification plan required for use of formula funds and access to additional discretionary grant funds.

Thank you for the opportunity to provide testimony.



**SCR-103-SD-1**

Submitted on: 4/12/2022 8:37:00 AM

Testimony for EEP on 4/14/2022 9:00:00 AM

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

Comments:

Climate Protectors Hawai'i **SUPPORTS!**



**SanHi**

GOVERNMENT STRATEGIES

A LIMITED LIABILITY LAW PARTNERSHIP

DATE: April 12, 2022

TO: Representative Nicole Lowen  
Chair, Committee on Energy and Environmental Protection

FROM: Tiffany Yajima

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, RULES, AND OTHER GUIDANCE TO HELP CLARIFY AND FACILITATE THE INSTALLATION OF ELECTRIC VEHICLE CHARGING SYSTEMS IN MULTI-UNIT DWELLINGS.**

**Hearing Date: Wednesday, April 14, 2022 at 9:00 a.m.**  
**Conference Room: 325**

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Dear Chair Lowen, Vice Chair Marten 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, 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 refueled. 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 resource to provide input on technical specifications and other recommendations for EV charging infrastructure.

Thank you for the opportunity to submit this testimony.



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

HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION  
Thursday, April 14, 2022 — 9:00 a.m.

**Ulupono Initiative supports SCR 103 SD 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 Lowen 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.** 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.

Thank you for this opportunity to testify.

Respectfully,

Micah Munekata  
Director of Government Affairs

*Investing in a Sustainable Hawai'i*



**Hawaiian  
Electric**

**TESTIMONY BEFORE THE HOUSE COMMITTEE  
ON ENERGY & ENVIRONMENTAL PROTECTION**

**SCR 103 SD1**

**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 14, 2022  
9:00 AM, Agenda Item #7  
State Capitol, VIDEO CONFERENCE

June Chee  
Program Manager, Electrification of Transportation  
Hawaiian Electric Company

Aloha Chair Lowen, Vice Chair Marten, 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** 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.

**TESTIMONY REGARDING SCR 103****House Committee on Energy & Environmental Protection****Thursday, April 14 2022 at 9:00 AM**

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

Thank you for the opportunity to provide testimony regarding SCR 103, which would direct convening of a working group to examine issues and barriers to the installation of electric vehicle (EV) charging systems in multi-family dwellings.

**Tesla supports the intent of SCR 103, as access to EV charging in multi-family dwellings is key to transportation electrification and meeting Hawaii's climate goals.** Compared to single-family homes, the cost and complexity to retrofit an existing building with EV charging can be most significant for those in multi-family dwellings who must navigate a myriad of obstacles from coordinating with the building owner or association, overseeing utility and electrical site work, gaining approval to construct in shared spaces, and more costly installations due to parking structure design. Relatedly, the working group should consider the challenges in EV charging access in existing multi-family dwellings that could be minimized in new multi-family dwellings through building codes that support EV infrastructure readiness.

**Tesla respectfully requests inclusion as a working group member given Tesla's unique perspective as both a leading EV automaker and EV charging provider.** Importantly, Tesla vehicles make up a majority of the EVs on the road today in Hawaii. Tesla also has global experience in EV driver and EV charging habits in multi-family dwellings across Asia, Europe, and North America. We look forward to providing technical expertise on barriers to access and recommended best practices for EV charging in multi-family dwellings.

Thank you for the opportunity to submit this testimony.



Heather Cutter, President  
Dave Rolf, Executive Director

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

for the  
**Committee on Energy and Environmental Protection**  
Thursday, April 14, 2022  
Time 9:00 a.m.  
State Capitol, via Videoconference  
providing testimony **in support of S, SD1 / SSCR 3711**

**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 Lowen, Vice Chair Marten 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 / SSCR 3711.**

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 /SSCR 3711.



**SCR-103-SD-1**

Submitted on: 4/11/2022 4:11:57 PM

Testimony for EEP on 4/14/2022 9:00:00 AM

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

Comments:

As the latest UN report makes clear, we are rapidly running out of time to tame our emissions sufficiently to avoid the most catastrophic consequences of climate change. Switching to electric vehicles is a key part of this - yet this important step is hamstrung in Hawaii by a lack of charging infrastructure. Hopefully the bill will result in some strategies to overcome this problem.