

JOSH GREEN, M.D.  
GOVERNOR  
KE KIA'ĀINA



KEITH A. REGAN  
COMPTROLLER  
KA LUNA HO'OMALU HANA LAULĀ

MEOH-LENG SILLIMAN  
DEPUTY COMPTROLLER  
KA HOPE LUNA HO'OMALU HANA LAULĀ

**STATE OF HAWAI'I | KA MOKU'ĀINA O HAWAI'I**  
**DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES | KA 'OIHANA LOIHELU A LAWELAWE LAULĀ**  
P.O. BOX 119, HONOLULU, HAWAII 96810-0119

WRITTEN TESTIMONY  
OF  
KEITH A. REGAN, COMPTROLLER  
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES  
TO THE  
COMMITTEES ON GOVERNMENT OPERATIONS/CULTURE AND THE ARTS

S. B. 968

TUESDAY, FEBRUARY 7, 2023, 4:10 PM  
CONFERENCE ROOM 225 AND VIA VIDEOCONFERENCE, STATE CAPITOL

RELATING TO TRANSPORTATION

Chairs McKelvey and Lee, Vice Chairs Gabbard and Inouye, and Members of the Committees, thank you for the opportunity to provide comments on S.B.968 which requires parking stall sharing for public employees, more electric vehicle charging stations, and bicycle storage lockers at parking facilities. While DAGS supports the intent of this bill, we offer the following comments:

1. DAGS does not manage all state public or employee parking. Therefore, DAGS would only be able to implement upgrades or new parking requirements for DAGS-managed parking facilities.
2. DAGS supports carpooling among state employees. We would not be able to track or administer fees and usage by non-state employees.
3. The conversion of all existing parking stalls to be electric vehicle charging ready will be challenging, and in many cases not feasible, due to the extent of work required to run power infrastructure to each stall. The capacity of the electrical power system to

accommodate the additional power demands at each affected facility would also have to be evaluated on a facility-by-facility basis, and provision of funding for any required power system upgrades would be necessary.

4. The provision of bike lockers and the requested variants is worthy of consideration, though the electric bike charging concept needs more review to determine what such systems require before implementing en masse.

In order to best achieve the desired outcomes as effectively and economically as possible, DAGS recommends a collaborative study be completed between the State Energy Office, Office of Planning and Sustainable Development, Hawaiian Electric Company, and all state agencies that administer state employee and public parking facilities to help forecast demand, identify availability of power infrastructure, identify potential parking and bike locker upgrade methodologies and cost estimates, and determine the feasibility of upgrades at the various facilities.

In the interim, DAGS requests that the requirements for new parking stalls to be constructed to accommodate electric vehicle charging, as well as provision of workplace charging stations, be amended to be goals since DAGS Public Works Division (PWD) has been, and continues to be, collaborating with DAGS Automotive Management Division (AMD) to identify facilities to retrofit parking, where feasible. We further request that an amendment be made to identify two bicycle storage lockers be constructed in locations where most feasible. The estimated cost for one secured bicycle locker with card access and with charging capability for e-bikes and micro-mobility devices is roughly \$80K-90K per locker with current technology.

Please also note that work is currently underway to upgrade lighting and install security cameras in and around DAGS-managed parking facilities that will be monitored by the State Sheriffs for added security and enforcement.

Thank you for this opportunity to testify on this matter.



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

**Co-Chairs:**  
Chair, DLNR  
Director, OPSD

**Commissioners:**  
Chair, Senate AEN  
Chair, Senate WTL  
Chair, House EEP  
Chair, House WAL  
Chairperson, HTA  
Chairperson, DOA  
CEO, OHA  
Chairperson, DHHL  
Director, DBEDT  
Director, DOT  
Director, DOH  
Chairperson, DOE  
Director, C+C DPP  
Director, Maui DP  
Director, Hawaii DP  
Director, Kauai DP  
The Adjutant General  
Manager, CZM

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

**Before the Senate Committees on  
GOVERNMENT OPERATIONS  
&  
TRANSPORTATION AND CULTURE AND THE ARTS**

**Tuesday, February 7, 2023  
4:10 p.m.  
State Capitol, Conference Room 225 & Videoconference**

**In consideration of  
SENATE BILL 968  
RELATING TO TRANSPORTATION**

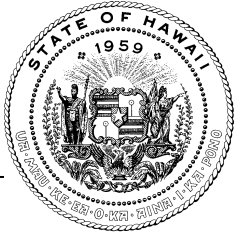
Senate Bill 968 Requires the Department of Accounting and General Services (DAGS) to enable parking stall sharing among public employees, accommodate more electric vehicle (EV) charging stations, and provide bicycle storage lockers at facilities where parking is made available to public employees. Requires new public housing developments' parking stalls to accommodate EV charging stations and bicycle storage lockers. **The Climate Change Mitigation and Adaptation Commission (Commission) supports this bill.**

The Hawai'i Climate Change Mitigation and Adaptation Commission consists of a multi-jurisdictional effort between 20 different departments, committees, and counties. This bill calls for increased multi-modal transportation options and fits into the Commission's priorities to curb emissions from ground transportation. The Commission is working with DAGS and other state, county and non-government stakeholders on a project to develop a plan for assessment of state parking facilities on O'ahu that will allow for multi-modal use. It proposes to identify and describe state parking facilities, including their utilization rates; evaluate and price various ways to make better use of these state assets in ways that encourage the use of alternative transportation and mobility options; and overall, help optimize state and county goals for clean transportation while maximizing the public benefit.

The Walker study (2016) found that Honolulu's downtown urban core contained underutilized parking--as low as 71 percent in peak times--in other words, O‘ahu has overbuilt parking for cars. As technology continues to disrupt transportation, the parking needs for multimodal and systems other than the single occupancy vehicle will continue to grow. If the State's goals for a clean energy future are to be realized, it must plan and implement smarter strategies for parking. To encourage the optimal use of these spaces, private and public, it is necessary to begin planning for parking garages/lots that will support transportation of the future.

This bill supports actions towards planning for transportation/mobility for achieving Hawai‘i’s climate goals.

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



# HAWAII STATE ENERGY OFFICE STATE OF HAWAII

JOSH GREEN, M.D.  
GOVERNOR

MARK B. GLICK  
CHIEF ENERGY OFFICER

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

Telephone: (808) 587-3807  
Web: energy.hawaii.gov

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

before the  
**SENATE COMMITTEE ON GOVERNMENT OPERATIONS**

**AND**

**SENATE COMMITTEE ON TRANSPORTATION AND CULTURE AND THE ARTS**

Tuesday, February 7, 2023  
4:10 PM

State Capitol, Conference Room 225 and Videoconference

Providing COMMENTS on

**SB 968**

**RELATING TO TRANSPORTATION.**

Chairs McKelvey and Lee, Vice Chairs Gabbard and Inouye, and Members of the committees, the Hawaii State Energy Office (HSEO) provides comments on SB 968, which requires the Department of Accounting and General Services to enable parking stall sharing among public employees, accommodate more electric vehicle charging stations, and provide bicycle storage lockers at facilities where parking is made available to public employees. In addition, the bill also requires new public housing developments' parking stalls to accommodate electric vehicle charging stations and bicycle storage lockers. HSEO's comments are guided by its mission to promote energy efficiency, renewable energy, and clean transportation to help achieve a resilient, clean energy, decarbonized economy.

Emissions from ground transportation account for more than half of energy emissions as reported in the Greenhouse Gas Emissions Report for 2017.<sup>1</sup> Vehicle

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<sup>1</sup> [https://health.hawaii.gov/cab/files/2021/04/2017-Inventory\\_Final-Report\\_April-2021.pdf](https://health.hawaii.gov/cab/files/2021/04/2017-Inventory_Final-Report_April-2021.pdf)

miles traveled (VMT), a metric that correlates with GHG emissions from ground transportation, has increased by over 30% since 2000.<sup>2</sup> For Hawaii to meet its statutory target “to sequester more greenhouse gases than emitted as soon as practicable but no later than 2045”, significant reductions in emissions from ground transportation will need to be made in the near to medium term. SB 968 supports flexible parking options, the provision of electric vehicle charging infrastructure, and secure bike parking, which can reduce VMT from internal combustion engine (ICE) vehicles and associated emissions.

The duties of the Chief Energy Officer per HRS 196-72 to support the clean energy initiative include providing technical assistance to state and county agencies to assess and implement programs related to clean transportation; evaluating, recommending, and participating in the development of programs that encourage clean transportation, and advocating for the State's energy and decarbonization goals at departments to ensure that state energy policies and regulations align with the state strategic goals and are data-driven.

HSEO supports the intent of SB 968 given HSEO's responsibilities to advocate for the decarbonization of ground transportation. SB 968 may be particularly impactful in reducing ICE VMT because the majority of trips taken in Hawaii are short trips, the ideal trip to be made via walking, biking, rolling, and/or transit. According to the *Drivers of VMT and Priority Reduction Strategies Report for Hawaii*, 30% of all trips made are under 1 mile, 60% of trips made are under 3 miles, and 70% of trips made are under 5 miles.<sup>3</sup> By providing secure bike parking for public employees and those living in new public housing developments, people are incentivized to swap short trips in a car for trips that can be made via bike, particularly those 60% of trips that are under 3 miles.

SB 968 can reduce the cost of transportation for residents who need it the most. After housing, childcare, and food, the cost of transportation in Hawaii represents the

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<sup>2</sup> <https://dbedt.hawaii.gov/economic/databook/db2021/>

<sup>3</sup> “Drivers of VMT and Priority Reduction Strategies for Hawaii.” State Smart Transportation Initiative. 2022.

biggest monthly expense for many residents.<sup>4</sup> While the high costs affect everyone, they especially hit low-income residents. The average cost of owning a vehicle in Hawaii is \$8,100 annually, or \$675 per month, when factoring in the various costs, including gas, maintenance and insurance.<sup>5</sup> 80% of Hawaii households own two or more cars<sup>6</sup> equating to a \$16,200 annual expense, or about \$1,350 a month for transportation. Providing secure bike parking for public employees and those who will live in new public housing developments will allow people to swap their short trips in a car for those that may be made via bike, reducing gas costs, ICE VMT and potentially the number of cars needed by a household.

Ensuring adequate workplace EV charging is critical to support the growing market for electric passenger vehicles during the time of day when solar energy is most abundant, It also provides an opportunity for residents of multi-unit developments where home charging is more challenging. By enabling public employees to share workplace parking spaces, SB 968 may also encourage public employees to carpool with coworkers in different cars on different days, further reducing inefficient single occupancy vehicle VMT.

HSEO supports the opportunity for employees to securely park their bikes at their place of employment. The State should prioritize secure bike as this is one of the most energy efficient modes of transportation. More people biking to work will result in less traffic congestion, emissions, and transportation costs.

HSEO's stands ready to support the Department of Accounting and General Services (DAGS) and defers to DAGS regarding funding and implementation.

Thank you for the opportunity to testify.

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<sup>4</sup> <https://www.civilbeat.org/2022/03/why-it-costs-so-much-to-own-a-car-in-hawaii/#:~:text=According%20to%20a%202021%20study,includin%20gas%2C%20maintenance%20and%20insurance.>

<sup>5</sup> <https://ulupono.com/news-listing/report-examines-hawaii-s-21-8-billion-vehicle-economy/>

<sup>6</sup> <https://www.civilbeat.org/2022/03/why-it-costs-so-much-to-own-a-car-in-hawaii/#:~:text=According%20to%20a%202021%20study,includin%20gas%2C%20maintenance%20and%20insurance.>

# Big Island Electric Vehicle Association

hawaiidriveelectric@gmail.com  
bigislandev.org



February 6, 2023

## SUPPORT for SB968 - RELATING TO TRANSPORTATION

Dear Chairs McKelvey and Lee, Vice Chairs Gabbard and Inouye, and Committee Members,

**Big Island EV Association** supports **SB968**, which *"Requires the Department of Accounting and General Services to enable parking stall sharing among public employees, accommodate more electric vehicle charging stations, and provide bicycle storage lockers at facilities where parking is made available to public employees. Requires new public housing developments' parking stalls to accommodate electric vehicle charging stations and bicycle storage lockers."*

**SB968** will encourage carpooling and bicycling. These will reduce traffic and local air pollution, optimize transportation costs for our community, and promote active transportation.

Notably, the provision for electric vehicle-ready parking stalls in new construction will future-proof our infrastructure and increase the availability of public electric vehicle charging equipment, a key to a broader and more equitable adoption of electric vehicles.

Thank you for this opportunity to testify in support of SB968.

Sincerely,

A handwritten signature in black ink, appearing to read 'Noel Morin', with a long horizontal line 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 EV adoption in Hawaii Island. Our members are EV owners and supporters.



**Hawaii Electric Vehicle Association**

hawaiiev.org  
info@hawaiieva.com



February 6, 2023

Dear Chairs McElvey and Lee, Vice Chairs Gabbard and Inouye, and members of the Committee,

The Hawaii Electric Vehicle Association (Hawaii EV) supports SB968 and urges you and your colleagues to support this bill.

We strongly support the stated purpose of SB968: “The purpose of this Act is to: (1) help reduce the cost of living and cost of transportation for public employees by: (A) Enabling parking stall sharing between employees; (B) Requiring new parking stalls to be constructed to accommodate electric vehicle charging; and (C) Providing secure bicycle storage lockers at public facilities; (2) Reducing the cost of transportation for residents of public housing by ensuring future access to electric vehicle charging stations and secure bicycle storage lockers.”

Thank you for this opportunity to testify.

Sincerely,

A handwritten signature in black ink, appearing to be "TH", written over a horizontal line.

Tam Hunt  
Board Member and Policy Manager  
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).

**Hawaii EV Board**

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

**Hawaii EV Clubs**

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



Sonja Kass – Director  
Rob Weltman – Director

**SB-968**

Submitted on: 2/6/2023 3:38:58 PM

Testimony for GVO on 2/7/2023 4:10:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Travis Counsell	Testifying for Hawaii Bicycling League	Support	Written Testimony Only

Comments:

Hawaii Bicycling League supports SB968 as it would encourage more people to ride bicycles. Specifically providing secure bicycle lockers for use by public employee. Thank you for the opportunity to provide testimony.

Travis Counsell - Executive Director, Hawaii Bicycling League



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

SENATE COMMITTEES ON GOVERNMENT OPERATIONS AND TRANSPORTATION &  
CULTURE & THE ARTS  
Tuesday, February 7, 2023 — 4:10 p.m.

**Ulupono Initiative supports SB 968, Relating to Transportation.**

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

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

**Ulupono supports SB 968**, which requires the Department of Accounting and General Services to enable parking stall sharing among public employees, accommodate more electric vehicle charging stations, and provide bicycle storage lockers at facilities where parking is made available to public employees. This bill also requires new public housing developments' parking stalls to accommodate electric vehicle charging stations and bicycle storage lockers.

Given the State's existing commitments in cleaner forms of transportation to meet climate change, active-living, and Vision Zero goals, it is imperative that the State lead the way. As one of the largest employers in Hawai'i, our State government can be a national leader in enabling and encouraging clean transportation options across its workplaces.

Ulupono also believes that this legislation is an opportunity to evaluate the potential of State properties to more comprehensively support sustainable transportation choices. We therefore respectfully request amending the bill to include assessing properties' potential across all modes of travel, including in the following:

- **Pedestrian Access**—Ensuring safe, convenient and comfortable walking routes, both in parking areas as well as entry areas for those using walking as a primary mode, can make all the difference between merely providing basic walking access and creating a strong pedestrian environment that encourages walking to and throughout a workplace.

*Investing in a Sustainable Hawai'i*

- **Additional Bicycling Accommodations**—In addition to secure parking, it would also be useful to consider some additional end-of-trip amenities such as showers/locker room options, bike wash options, and repair locations. We realize not all of these are possible at all locations, but they would be worth assessing in government office clusters. In addition, we recommend exploring opportunities to provide additional Biki access, particularly for State buildings in downtown Honolulu.
- **Transit Support**—Providing some additional transit fare support is one option, but another is investing in real-time transit data information resources for employees and other residents, such as digital and physical wayfinding systems. Great examples of such resources are available in the City’s Frank F. Fasi Municipal Building.

Again, we think this bill is a tremendous opportunity for the State to lead the way toward a multimodal future that provides more clean transportation choices for Hawai’i residents.

Thank you for the opportunity to testify.

Respectfully,

Micah Munekata  
Director of Government Affairs

**SB-968**

Submitted on: 2/5/2023 11:00:49 PM

Testimony for GVO on 2/7/2023 4:10:00 PM

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

Comments:

Strong support!

**SB-968**

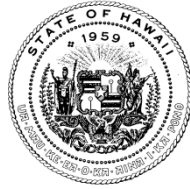
Submitted on: 2/3/2023 4:53:19 PM

Testimony for GVO on 2/7/2023 4:10:00 PM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
B.A. McClintock	Individual	Support	Written Testimony Only

Comments:

Please support this bill.



**LATE**

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

February 7, 2023  
4:10 P.M.

State Capitol Conference Rm. #225, and Videoconference

**S.B. 968**  
**RELATING TO TRANSPORTATION**

Senate Committee on Government Operations  
Senate Committee on Transportation and Culture and The Arts

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The Department of Transportation (DOT) **supports** this bill that aims to improve access and provide new infrastructure to better enable alternative means of transportation, including electric vehicles and bicycles, for public sector workers and public housing residents. In particular, DOT supports the provisions in Section 2 (a) & (b) of this bill, which provide for installation of electric vehicle (EV) charging stations and related non-emission vehicle infrastructure in new and existing state facilities.

The DOT believes this bill, if enacted, would serve as a useful companion promoting parallel efforts for transition to electric vehicles and other low- or no-emission modes of transportation that the agency has already committed itself to, in the form of a service contract to replace light duty vehicles in its fleet with EVs. This service contract is also available for use by other state and county government organizations. The contract allows the DOT and other state and county agencies to obtain EVs and charging infrastructure as a service on a per mile cost basis, reducing the upfront costs of electrifying fleet vehicles and reducing fuel and maintenance costs.

DOT's state-wide Hawaii fleet electrification contract is now active and allows all participating agencies and departments to obtain electric vehicles and related charging infrastructure in exchange for usage fees. The contract provides a cost-effective way to undertake conversions of state and county vehicle fleets to zero emissions vehicles without upfront capital costs. It may be used to acquire all types of vehicles, including light duty and buses to heavy equipment, as long as the technology is available on the market. The contract is also open to all makes and models available on the market. We have forty-three light duty electric vehicles through this contract.

Moreover, we currently have 43 level two charging stations located at our baseyards and testing lab.

Thank you for the opportunity to provide testimony.