



# 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](http://energy.hawaii.gov)

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

before the  
**SENATE COMMITTEES ON TRANSPORTATION AND CULTURE AND THE ARTS  
AND  
AGRICULTURE AND ENVIRONMENT**

Monday, February 13, 2023  
1:20 PM  
State Capitol, Conference Room 224 and Videoconference

In SUPPORT of  
**SB 1024**

**RELATING TO TRANSPORTATION.**

Chairs Lee and Gabbard, Vice Chairs Inouye and Richards, and Members of the Committees, the Hawai'i State Energy Office (HSEO) supports SB 1024, which establishes a ground transportation working group and an interisland and transpacific transportation working group, and requires them, among other things, to develop metrics, benchmarks, plans, recommendations to achieve the goals of section 225P C(a), and requires annual reports to the Hawai'i Climate Change Mitigation and Adaptation Commission and the Legislature.

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 were at 8.98 million metric tons of carbon dioxide equivalents, accounting for 51 percent of total energy sector emissions. For Hawai'i to meet its statutory target "to sequester more greenhouse gases than emitted as soon as practicable but no later than 2045", further planning and implementation of clean transportation alternatives are essential.

Hawai'i is a national leader in the adoption of electric vehicles ranking second nationally in EV adoption per capita. HSEO has collaborated with the Hawai'i Department of Transportation (HDOT) on applications for the designation of alternative fuel corridors on the island of Hawai'i, Kaua'i, Lāna'i, Maui, Moloka'i, and O'ahu and preparing the National Electric Vehicle Infrastructure (NEVI) Hawai'i State Plan, both opening the door to federal funding opportunities. HSEO has collaborated with HDOT Highways to put in place a vehicles-as-a-service contract to support the transition of the State's fleet to zero emission vehicles (ZEVs). The HSEO was the lead for the State on signing onto the Multi-State Medium- and Heavy-Duty Zero Emission Vehicle MOU calling for 30% of new truck and bus sales to be zero-emission by 2030 and 100% by 2050. In support of that objective the HSEO collaborated with Hawai'i Department of Health – Clean Air Branch to implement a Diesel Replacement Rebate to support the adoption of ZEVs for medium- and heavy-duty vehicles.

The HSEO has also focused on reducing the energy intensity of mobility. Working with the Department of Land and Natural Resources' State Climate Mitigation and Adaptation Commission the HSEO has funded a Vehicle Miles Travelled and Active Transportation Specialist through a grant from the United State Climate Alliance to focus on development and implementation of strategies to reduce vehicle miles travelled (VMT) through mode-shift, active transportation, and other associated means which was transitioned to general funds in the 2022 legislature.

The aviation sector accounts for a substantial portion of Hawai'i's GHG emissions. In 2017, aviation emissions from domestic and military flights totaled 4.1 MMT accounting for 17% of total statewide emissions (excluding sinks). Hawai'i is poised to take a leadership role in the decarbonization of aviation. Mokulele Airlines has partnered with REGENT (a Boston based company that develops and manufactures low-altitude electric seaglidors) and has expressed interest to start interisland flights using the world's first electric seaglider, Viceroy, as early as 2025. Hawaiian Airlines has entered an investment agreement with REGENT to develop a seaglider for short interisland flights with larger 100-passenger capacity. Anticipated entry into commercial service is 2028.

Decarbonization of the aviation sector still lags the ground transportation sector due to the lack of technological solutions and requires collaboration to develop strategies, tactics and actionable workplans to address interim solutions to long-haul zero-emissions transpacific transportation.

Collaboration and coordination are needed among a wide range of stakeholders to make meaningful progress in transitioning the transportation sector. The HSEO will continue to work with relevant agencies and stakeholders to support the goals of Chapter 225-P, SB1024 and take holistic actions to achieve the decarbonization of the transportation sector. HSEO defers to impacted agencies on administration of the working groups.

Thank you for the opportunity to testify.