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Testimony of
MARK B. GLICK, Chief Energy Officer

before the
HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, January 30, 2024
9:00 AM
State Capitol, Conference Room 325 and Videoconference

In SUPPORT of
HB 2100

RELATING TO ENERGY.

Chair Lowen, Vice Chair Cochran, and members of the Committee, the Hawai'i State Energy Office (HSEO) offers testimony in support on HB 2100 which provides rebates for eligible electric vehicle-ready parking stalls for new construction of affordable housing.

Hawai'i will need significant emissions reductions from ground transportation by 2030 to set a viable trajectory towards a net negative carbon economy by 2045. HSEO's *Hawai'i Pathways to Decarbonization* report, submitted to the Hawai'i State Legislature in December of 2023 pursuant to Act 238 (2022), highlights a transition to Zero Emission Vehicles as one of the two major facets to reducing emissions in ground transportation. This reducing the amount of energy needed for ground transportation through bicycles and other modes of transportation that reduce vehicle miles traveled¹.

Expanding the EV market and Hawai'i currently has 35 registered EVs per public charger². It is evident that there is a significant gap in what is reasonably estimated in public charging to support current adoption rates, notwithstanding the applicability of the California Energy Commission's estimate to Hawai'i. That gap, in combination with the

¹ Page 104, 1. Reducing the amount of energy needed for ground transportation.

² From Alliance for Automotive Innovation "Get Connected Electric Vehicle Quarterly Report, Second Quarter, 2023"

assumption that 90% of PEVs have reliable access to overnight charging in 2030, supports the need for greater access for all customers to charging at home.

Achievement of state goals will require all vehicle owners to participate. All three mitigation scenarios in HSEO's *Hawai'i Pathways to Decarbonization* assume Hawai'i will have 100% zero-emission light-duty vehicle sales by 2035. HSEO estimates that 21% of registered light-duty passenger vehicles would need to be zero emission vehicles by 2030 to achieve state emission reduction goals. Promoting such a transition to battery electric vehicles requires reliable charging at home based on NREL's report and current market conditions in Hawai'i. Hawai'i needs to expand access to at home EV charging beyond the early adopters in single family unit dwellings. Hawai'i must also do all it can to ensure low- and moderate-income communities have ample access to EV charging.

HSEO Supports HB 2100 as long as its passage does not replace or adversely impact priorities indicated in the Executive Budget.

Thank you for the opportunity to testify.