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STATE OF HAWAII

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Testimony of
MARK B. GLICK, Chief Energy Officer

before the
HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Thursday, April 13, 2023
9:15 AM
State Capitol, Conference Room 325 and Videoconference

In SUPPORT of
SCR 82, SD1

SUPPORTING THE HAWAII STATE ENERGY OFFICE IN THE ESTABLISHMENT OF AN INTEGRATED HAWAII PACIFIC HYDROGEN HUB.

Chair Lowen, Vice Chair Cochran, and Members of the Committee, the Hawai‘i State Energy Office (HSEO) strongly supports SCR 82, SD1, which expresses support for the Hawai‘i Pacific Hydrogen Hub (H2Hub) application, which HSEO led on behalf of the State of Hawai‘i.

The approval of the Hawai‘i State Legislature is greatly appreciated as HSEO submitted the H2Hub application to the United States Department of Energy on April 7, 2023. As noted in the resolution, a number of Hawai‘i’s energy and environmental policy objectives would be supported by success of the Hub. We believe the expression of support by the Legislature will be a positive factor when the application is reviewed and evaluated in the highly competitive national grant review process.

The Hawai‘i proposal aligns existing and new infrastructure to build out a new green regional hydrogen production, distribution, and use network to serve the state and military locations on Guam and Kwajalein Atoll. The H2Hub would produce green hydrogen from a diverse and distributed portfolio of renewable energy sources in accordance with the federal Clean Hydrogen Production Standard,[1] Hawai‘i state law,

[1] 42 U.S.C. 16166(a).

and other supportive policies. The hydrogen produced would be consumed in the hard-to-electrify or hard-to-abate sectors first, including heavy- duty ground and marine transportation and aviation.

The mission and purpose of the H2Hub is to seed a transition to hydrogen-powered operations across all sectors of Hawai‘i’s energy ecosystem and economy for the next decade to:

- Eliminate price volatility and reduce energy costs and greenhouse gas emissions in high-value transportation, energy storage and electric power applications;
- Serve as the linchpin in accelerating Hawai‘i’s renewable energy and decarbonization strategy, thus contributing to energy security and national security;
- Provide significant net benefits to Hawai‘i's diverse communities through green jobs, higher wages, and delivery of reliable, secure, clean, and affordable energy; and,
- Match and phase in appropriate end users from ground-transportation, maritime, and aviation sectors operating locally, to ensure supply and demand balance.

Thank you for the opportunity to testify.