



UNIVERSITY OF HAWAII SYSTEM

‘ŌNAEHANA KULANUI O HAWAII

Legislative Testimony

Hō'ike Mana'o I Mua O Ka 'Aha'ōlelo

Testimony Presented Before the
House Committee on Water & Land
Tuesday, March 12, 2024 at 9:00 a.m.

By

Brennon Morioka, Dean
College of Engineering

And

Michael Bruno, Provost
University of Hawai'i at Mānoa

SB 2502 SD2 – RELATING TO THE GENERATION OF WILDFIRE SUSCEPTIBILITY MAPS FOR HAWAII

Chair Ichiyama, Vice Chair Poepoe, and members of the Water & Land Committee:

Thank you for the opportunity to provide testimony in support of Senate Bill 2502 SD2, provided its adoption does not impact priorities as indicated in our Board of Regents Approved Budget. This measure establishes and appropriates funds for the University of Hawai'i to develop wildfire susceptibility and vulnerability maps for the State of Hawai'i.

These maps 1) help identify areas that are more susceptible to wildfire hazard, 2) allow decision-makers to prioritize high-risk areas for targeted risk reduction strategies, and 3) assist in the development of adaptation policies that lessen the disastrous impacts of future wildfires. Decision-makers can use wildfire vulnerability maps to guide zoning regulations to reduce the impact of wildfires on communities. Moreover, authorities will be more informed about policies allowing construction in vulnerable areas and locating essential facilities (e.g., hospitals, schools, and firefighting stations) in areas that are less vulnerable to wildfires.

In collaboration with the National Weather Service, the Hawai'i Department of Land and Natural Resources-Division of Forestry and Wildlife, Hawai'i-Emergency Management Agency, and county fire departments, the results of this project will be used to develop the best mitigation strategies such as ecological forest management (fuel reduction to restore to natural conditions), creation of defensible space (using native and/or fire-resistant vegetation), and development of greenbelts (diverse vegetation including trees, shrubs, grasses and wildflowers, that act as natural buffers to create separation from wildlands) in each county to reduce the impacts of wildfires.

The UH Mānoa (UHM) College of Engineering and UHM Water Resources Research Center's research capabilities, combined with the extensive outreach activities and technical solutions from the UHM College of Tropical Agriculture and Human Resources, will provide the full range of skillsets and research, as well as the climate data necessary to develop this important tool for Hawaii's decision-makers.

Thank you for the opportunity to testify on this measure.