

UNIVERSITY OF HAWAI‘I SYSTEM ANNUAL REPORT



REPORT TO THE 2020 LEGISLATURE

Annual Report on Net-Zero Energy for
the University of Hawai'i

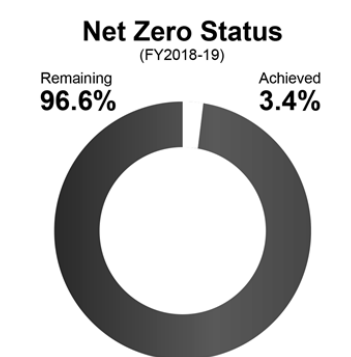
HRS 304A-119

November 2019

**Report to the Hawai'i State Legislature
Pursuant to Act 99, SLH 2015
HRS 304A-119**

The governor signed into law Act 99 (SLH 2015) which established a collective goal for the University of Hawai'i *"to become net-zero with respect to energy use, producing as much (renewable) energy as the system consumes across all campuses by January 1, 2035."*

This report details progress toward the Net-Zero energy goal of 198M kWh established in 2015 and supports proposed legislation that helps shape the energy landscape for the University of Hawai'i System in the 2020 legislative session.



Target Production: 198,000,000 kWh
Total Production: 6,551,541 kWh*
Net Zero Status: 3.4%

* For period July 1, 2018 – June 30, 2019. Many recent solar systems were not yet energized during this Performance Period.

PLANS

- (a) Refine the strategic energy plan and the energy resource plan for the University that balances generation from a renewable portfolio and improves energy efficiency.
- (b) Continue to improve metering and sub-metering to provide detailed energy tracking.
- (c) Continue to install energy efficient equipment including: lighting, HVAC equipment, office equipment, and lab equipment.
- (d) Maximize development of PV and other renewable generation.
- (e) Expand energy storage capacity to optimize utility demand and increase resiliency.
- (f) Capture utility savings and reinvest them via the Green Revolving Fund.
- (g) Require new construction and major renovations to strive for LEED gold at a minimum, and aim for Net Zero.
- (h) Require that designs for life cycle cost analysis include construction and operation of a building, including increased utility and maintenance costs.