

UNIVERSITY OF HAWAI'I SYSTEM ANNUAL REPORT



REPORT TO THE 2018 LEGISLATURE

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

HRS 304A-119

December 2017



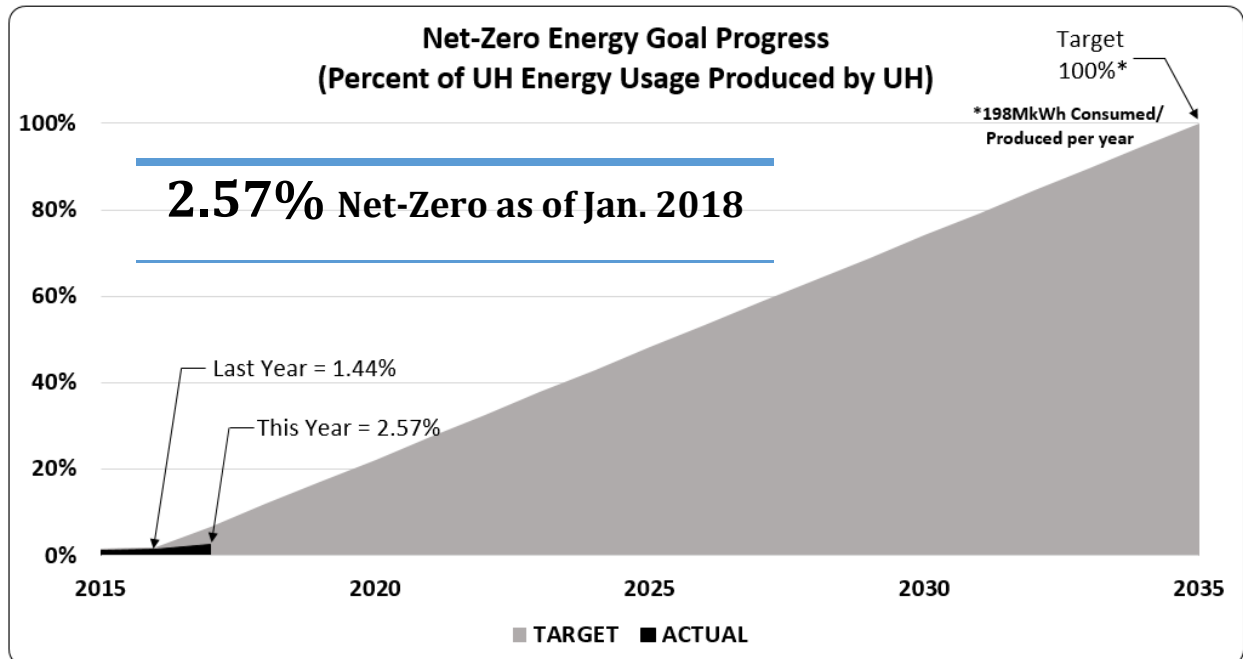
UNIVERSITY of HAWAI'I®

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.”

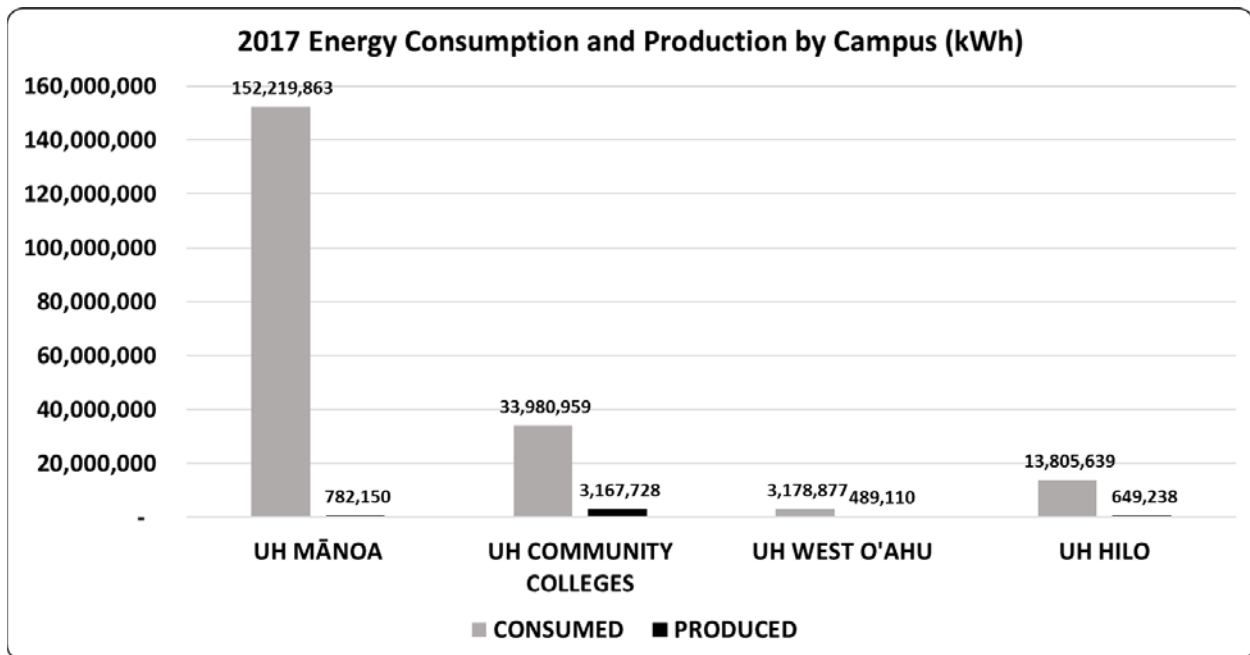
This report details future plans to advance the Net-Zero energy goal in calendar year 2017 compared to the baseline established in calendar year 2015; and supports proposed legislation that helps shape the energy landscape at UH in the 2018 legislative session.

NET-ZERO DASHBOARD for 2017	Energy (kWh)
Total Energy Consumed ¹	200,484,641
Total Renewable Energy Provided	5,088,266



¹ Includes non-campus facilities





PLANS

There are key components to reaching Net-Zero by 2035: Energy Management, Efficiency, Generation, and Social Initiatives. The following are the University's plans in those areas:

1. Energy Management:
 - a. Develop an energy resource plan for the UH System that balances generation from a renewable portfolio and improves energy efficiency.
 - b. Select contractor for Energy Savings Performance Contract.
 - c. Continue to improve metering and submetering to provide detailed energy tracking.
2. Efficiency & Generation
 - a. Continue to install more efficient equipment and fixtures such as LED lighting, HVAC equipment and controls, and scientific equipment.
 - b. Continue to maximize rooftop PV.
 - c. Continue to grow energy storage capacity to reduce utility load and increase resiliency in emergency situations.
 - d. Explore a "green" tariff to facilitate off site generation.
3. Social Initiatives
 - a. Tracking, harnessing and reinvesting funds from energy savings via the Green Revolving Fund.
 - b. Requiring Building Design and Performance Standards to consider life cycle costs of energy efficient design and construction.