

Hawai'i Powered



# GFM Resources on HECO Grids

---

Li Yu, Ph.D.

Manager, Transmission Planning

Hawaiian Electric Company

March 2026

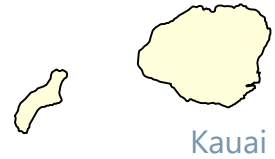


Hawaiian  
Electric

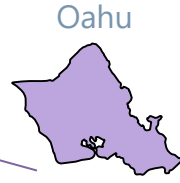
# Hawaiian Electric today

Serving the State of Hawaii for 133 years

Over 95% of state's population served by Hawaiian Electric and its subsidiaries



Kauai



Oahu

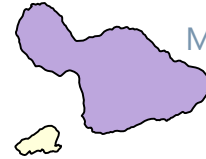
**Oahu**  
Customers: 308,721



Molokai

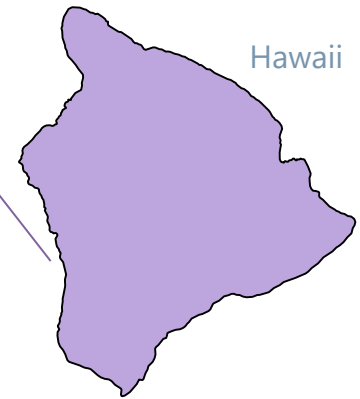


Lanai



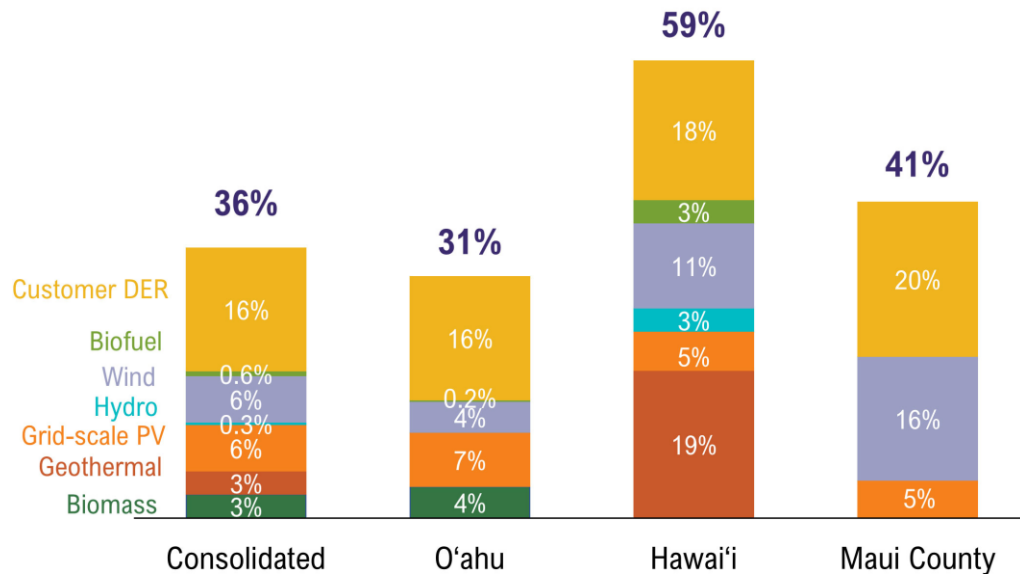
Maui

**Maui County**  
Customers: 73,788



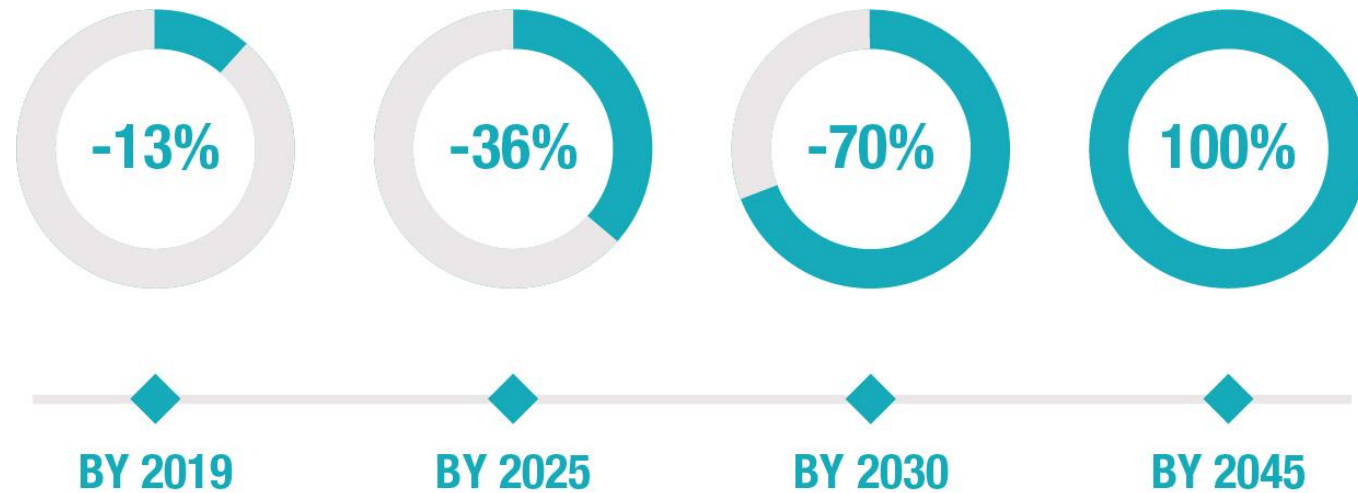
Hawaii

**Hawai'i Island**  
Customers: 88,103



Note: All data as of 12/31/23 unless otherwise noted

# 2045 GOAL: Net Zero Carbon Emissions



Hawai'i has the most ambitious clean energy goals in the nation.

**Hawaiian Electric is committed to 100% reduction of carbon emissions by 2045.**

# Grid-Forming Resources in HECO Grids

- Oahu system
  - Kapolei Energy Storage project (138 kV, 135 MW/540 MWh with 50 MW/25 MWh FFR), developer: Plus Power, OEM: Tesla
  - Kupono Solar project (46 kV, 42 MW AC-coupled PV/BESS (4Hr)), developer: Ameresco, GFM BESS OEM: Tesla

## Commissioned in near future

- Oahu system
  - Mountain View Solar (46 kV, 7MW/35 MWh, DC-coupled PV/BESS), developer: AES, OEM: Hitachi
  - Waiawa Phase 2 Solar (46 kV, 30MW/240 MWh, DC-coupled PV/BESS), developer: AES, OEM: Hitachi
- Maui system
  - Waena BESS (69 kV, 40 MW/160 MWh, standalone BESS), developer: HECO, OEM: Tesla

## Stage 3 RFP Awarded GFM Project

Oahu 126 MW, Maui 60 MW, Hawaii island 86 MW

IGP RFP GFM procurement target for stability purpose: Oahu 350 MW, Hawaii island 115 MW.

# Mahalo!

---

Contact:

Li Yu, [c-lyu@hawaiianelectric.com](mailto:c-lyu@hawaiianelectric.com)