

Power facts

Hawaiian Electric provides electricity for 95% of residents of the State of Hawai'i on O'ahu, Maui, Moloka'i, Lāna'i and Hawai'i Island.

2023 renewable energy percentage is 33% (based on generation)

Total customers: 471,605

(As of 12/31/2023)

O'AHU

Total customers 309,631

Firm generation:

Hawaiian Electric plants

Kahe (oil)..... 650 MW
 Waiau (oil)..... 500 MW
 Campbell Industrial Park (diesel) 130 MW
 Schofield (biodiesel)..... 50 MW

Independent power producers

Kalaeloa Partners (oil).....208 MW
 H-POWER (waste-to-energy)68.5 MW
 Airport Emergency Power Facility (biofuel) 8 MW

Total firm capacity 1,614.5 MW

Deactivated units:

Honolulu (oil) (113 MW)..... 0 MW

Retired units (independent power producers):

AES Hawai'i (coal) (180 MW) 0 MW

Variable (as-available) generation:

Hawaiian Electric plant

West Loch Solar 20 MW

Independent power producers

Kawaihoa Wind..... 69 MW
 Kawaihoa Solar 49 MW
 Waipio Solar 45.9 MW
 Miilani I Solar39 MW + 156 MWh storage
 Waiawa Solar.....36 MW + 144 MWh storage
 Kahuku Wind 30 MW
 Wai'anae Solar 27.6 MW
 Nā Pua Makani (wind) 24 MW
 Par Hawaii 18.5 MW
 Lanikuhana Solar 14.7 MW
 Island Energy Service 9.6 MW
 Waihonu North..... 5 MW
 Aloha Solar Energy Fund One 5 MW
 Aloha Solar Energy Fund Two 5 MW
 Kalaeloa Solar Two 5 MW
 Kalaeloa Renewable Energy Park (PV)..... 5 MW
 Mauka FIT 1 (solar) 3.5 MW
 Waihonu South 1.5 MW
 Kapolei Sustainable Energy Park (PV)..... 1 MW
 Kapolei Energy Storage.....
 185 MW (565 MWh) storage only

Customer-sited renewable* 621 MW
 Shared solar 3,270 MW

**Approximate non-firm capacity.....
 1038.57 MW + 300 MWh storage**

**Approximate stand alone storage.....
 185 MW + 565 MWh storage**

In Development

Ho'ohana Solar 1.....52 MW + 208 MWh storage
 Kūpono Solar.....42 MW + 168 MWh storage
 Waiawa Phase 2 Solar
30 MW + 240 MWh storage
 AES West O'ahu Solar
12.5 MW + 50 MWh storage
 Mountain View Solar.....7 MW + 35 MWh storage
 Shared solar ...14.055 MW + 38.54 MWh storage

Renewable energy percentage..... 29.6%

Renewable peak: 74.8% on 2/25/2023

HAWAI'I ISLAND

Total customers 89,477

Firm generation:

Hawaiian Electric plants (oil)

Keāhole 77.6 MW
 Puna 36.7 MW
 Kanoelehua 21 MW
 Waimea 7.5 MW
 Hill 34.7 MW
 Dispersed generation 5 MW

Independent power producers

Hamakua Energy (oil/biodiesel) 60 MW
 Puna Geothermal Venture 38 MW

Total firm capacity 280.5 MW

Retired units:

Shipman (oil) (15.2 MW) 0 MW

Variable (as-available) generation:

Hawaiian Electric plants

Pu'u'eo Hydro 3.4 MW
 Waiua Hydro 1.1 MW

Independent power producers

Pakini Nui Wind 20.5 MW
 AES Waikoloa Solar
30 MW + 120 MWh storage
 Wailuku River Hydro 12.1 MW
 Hawi Renewable Development (wind).....
 10.5 MW
 Customer-sited renewable* 132 MW

**Approximate non-firm capacity.....
 209.6 MW + 120 MWh storage**

In Development

Hale Kuawehi Solar ..30 MW + 120 MWh storage
 Keāhole Battery Energy Storage
12 MW (12 MWh) storage only
 Shared solar10.75 MW + 36 MWh storage

Renewable energy percentage..... 52.1%

Renewable peak: 92.3% on 4/25/2023

MAUI COUNTY

Serving Maui, Moloka'i & Lāna'i

Total customers 72,497

Firm generation:

Hawaiian Electric plants (oil)

Mā'alaea 212.1 MW
 Kahului 37.6 MW
 Moloka'i 12 MW
 Lāna'i 9.4 MW
 Hāna (dispersed generation)..... 2 MW

Total firm capacity 273.1 MW

Variable (as-available) generation:

Independent power producers

Kaheawa Wind Farm 30 MW
 Kaheawa Wind Power II 21 MW
 Auwahi Wind..... 21 MW
 Ku'ia Solar 2.87 MW
 South Maui Renewable Resources (solar)
 2.87 MW
 Lāna'i Sustainability Research (solar) 1.2 MW
 Maui 17-2..... 0.735 MW

Customer-sited renewable* 142.6 MW
 Shared solar 0.028 MW

Approximate non-firm capacity 222.303 MW

In Development

AES Kuihelani Solar
60 MW + 240 MWh storage
 Waena Battery ...40 MW (160 MWh) storage only
 Maui 17-1 1 MW
 Shared solar (Maui)8 MW + 32 MWh storage
 Shared solar (Moloka'i)
 2.7 MW + 11.1 MWh storage

Renewable energy percentage..... 35.4%

Renewable peak: 70.0% on 6/10/2023 (Maui)

*Generation capacity, in gross megawatts,
 in service as of 2/15/2024.*

**Customer-sited generation includes
 Feed-in-Tariff (Tiers 1&2), Standard
 Interconnection Agreement, Net Metering
 and other programs.*

*For projects pending approval or contracts,
 visit: hawaiianelectric.com/statusboard.*



**Hawaiian
 Electric**

hawaiianelectric.com/sustainable