

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.

2022 renewable energy percentage is 32% (based on generation)

Total customers: 469,668

(As of 12/31/2022)

O'AHU

Total customers 306,978

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

Kawailoa Wind..... 69 MW
Kawailoa Solar 49 MW
Waipio Solar 45.9 MW
Miiilani 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

Customer-sited renewable*573 MW
Shared solar 0.270 MW

Approximate non-firm capacity.....
..... 987.57 MW + 300 MWh storage

In Development

Kapolei Energy Storage.....
..... 185 MW (565 MWh) storage only
Ho'ohana Solar 152 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 4.720 MW

Renewable energy percentage..... 28.2%

Renewable peak: 72.7% on 7/23/2022

HAWAI'I ISLAND

Total customers 88,757

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
Waiau Hydro 1.1 MW

Independent power producers

Pakini Nui Wind 20.5 MW
Wailuku River Hydro 12.1 MW
Hawi Renewable Development (wind).....
..... 10.5 MW

Customer-sited renewable* 121 MW

Approximate non-firm capacity..... 168.6 MW

In Development

AES Waikoloa Solar
.....30 MW + 120 MWh storage
Hale Kuawehi Solar...30 MW + 120 MWh storage
Hu Honua (biomass) 21.5 MW
Keāhole Battery Energy Storage
..... 12 MW (12 MWh) storage only
Shared solar 0.750 MW

Renewable energy percentage..... 47.9%

Renewable peak: 89.0% on 5/22/2022

MAUI COUNTY

Serving Maui, Moloka'i & Lāna'i

Total customers 73,933

Firm generation:

Hawaiian Electric plants (oil)

Mā'alaea212.1 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* 132.5 MW
Shared solar 0.028 MW

Approximate non-firm capacity.... 212.203 MW

In Development

AES Kuihelani Solar
.....60 MW + 240 MWh storage
Kama'ole Solar40 MW + 160 MWh storage
Waena Battery ...40 MW (160 MWh) storage only
Paeahu Solar.....15 MW + 60 MWh storage
Maui 17-1..... 1 MW
Shared solar 0.250 MW

Renewable energy percentage..... 35.6%

Renewable peak: 74.3% on 12/13/2022

*Generation capacity, in gross megawatts,
in service as of 2/15/2023.*

**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.*



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hawaiianelectric.com/sustainable