Power facts

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

2018 renewable energy percentage* is 26.6%
Total customers: 462,225
Total employees: 2,724

O‘AHU
Customers: 304,948

Firm generation:
Hawaiian Electric plants
- Kahe (oil) 650 MW
- Wai‘alae (oil) 500 MW
- Kahuku (oil) 200 MW
- Campbell Industrial Park (diesel) 130 MW
- Schofield (biofuel/diesel) 50 MW

Independent power producers
- Kālaeola Partners (oil) 208 MW
- AES-Hawai‘i (coal) 180 MW
- HPOWER (waste-to-energy) 68.5 MW
- Airport Emergency Facility (biofuel) 3 MW

Total firm capacity 1,794.5 MW

Deactivated units:
- Honolulu (oil) (113 MW) 0 MW

Variable (as-available) generation:
Independent power producers
- NRG Solar 110 MW
- Kawaiolō Wind 69 MW
- Kuhuku Wind 30 MW
- Wai‘anae Solar 27.6 MW
- West Loch Solar 20 MW
- Par Hawaii 18.5 MW
- Island Energy Service 9.6 MW
- Wai‘ahu Solar 6.5 MW
- Aloha Solar Fund 1 5 MW
- Kālaeola Solar Two 5 MW
- Kālaeola Solar Renewable Energy Park 5 MW
- Kapolei Renewable Energy Park 1 MW

Customer-sited solar** 524 MW

Approximate non-firm capacity: 831.2 MW

In Development
- Hōhana Solar 52 MW
- Mililani Solar 39 MW
- Na Pua Makani Wind 24 MW
- Waialua Solar 36 MW
- Community-Based Renewable Energy 5 MW

Renewable energy percentage* … 22%

HAWAI‘I ISLAND
Customers: 85,925

Firm generation:
Hawaiian Electric plants (oil)
- Ke‘ahole 77.6 MW
- Puna 36.7 MW
- Kanoelua 21 MW
- Waimea: 7.5 MW
- Hill 5.5 MW

Dispersed generation: 38 MW

Independent power producers
- Hānākua Energy Partners (oil) 60 MW
- Puna Geothermal Venture (out of service) 38 MW

Variable (as-available) generation:
Hawaiian Electric plants
- Pu‘u‘au Hydro 3.4 MW
- Wai‘ahau Hydro 1.1 MW

Independent Power Producers
- Pakini Wind (Tawhiri) 20.5 MW
- Wai‘ahu River Hydro 12.1 MW
- Hawai‘i Renewable Development (wind) 10.6 MW

Customer-sited generation** 95 MW

Approximate non-firm capacity: 95 MW

In Development
- Hāle Kaua‘ehi Solar 30 MW
- Hu Honua (biomass) 21.5 MW
- Waikoloa Solar 30 MW
- Community-Based Renewable Energy 1 MW

Renewable energy percentage* … 44%

Renewable peak: 83% on 4/14/2018

For more information visit: www.hawaiianelectric.com

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