



AUWAHI WIND

Auwahi Wind, located on the wind-rich Ulupalakua Ranch on the southeast coast of Maui, Hawaii, is a joint venture of Sempra Renewables and BP Wind Energy. The 21-megawatt (MW) wind farm was completed in December 2012, bringing Hawaii closer to its goal of increasing its use of renewable energy. Auwahi Wind’s eight turbines generate enough electricity to power approximately 14,500 typical Hawaii homes. The project created about 180 construction jobs at peak and seven full-time positions.

An important component of the project is an 11-MW grid battery system. Energy from the battery system helps to regulate and sustain power to Maui Electric Company’s grid during variable wind conditions. The battery storage component of this project includes state-of-the-art monitoring and safety controls that ensure reliable operation for the life of the project. The wind power from Auwahi Wind has been sold to Maui Electric Company under a 20-year contract.

BENEFITS

- Created about 180 construction jobs and seven full-time positions
- Supports Hawaii’s goal of increasing its use of renewable energy
- Provides a new source of clean, locally produced power
- Includes up to 4.4 MWh battery storage capacity (11 MW power capacity) to support stability of the power grid
- Provides economic benefits to the community, including new sources of revenue to local land owners and government entities, plus local providers of goods and services
- Reduces greenhouse gas emissions by about 60,500 tons annually, the equivalent of taking approximately 12,500 cars off the road

LOCATION

Maui, Hawaii



CAPACITY

21 MW
11 MW/4.4 MWh battery storage

HOMES POWERED

About 14,500 (HI)

WIND TURBINES

8 Siemens turbines (3 MW)

CUSTOMER

Maui Electric Company

COMMERCIAL OPERATION

December 2012