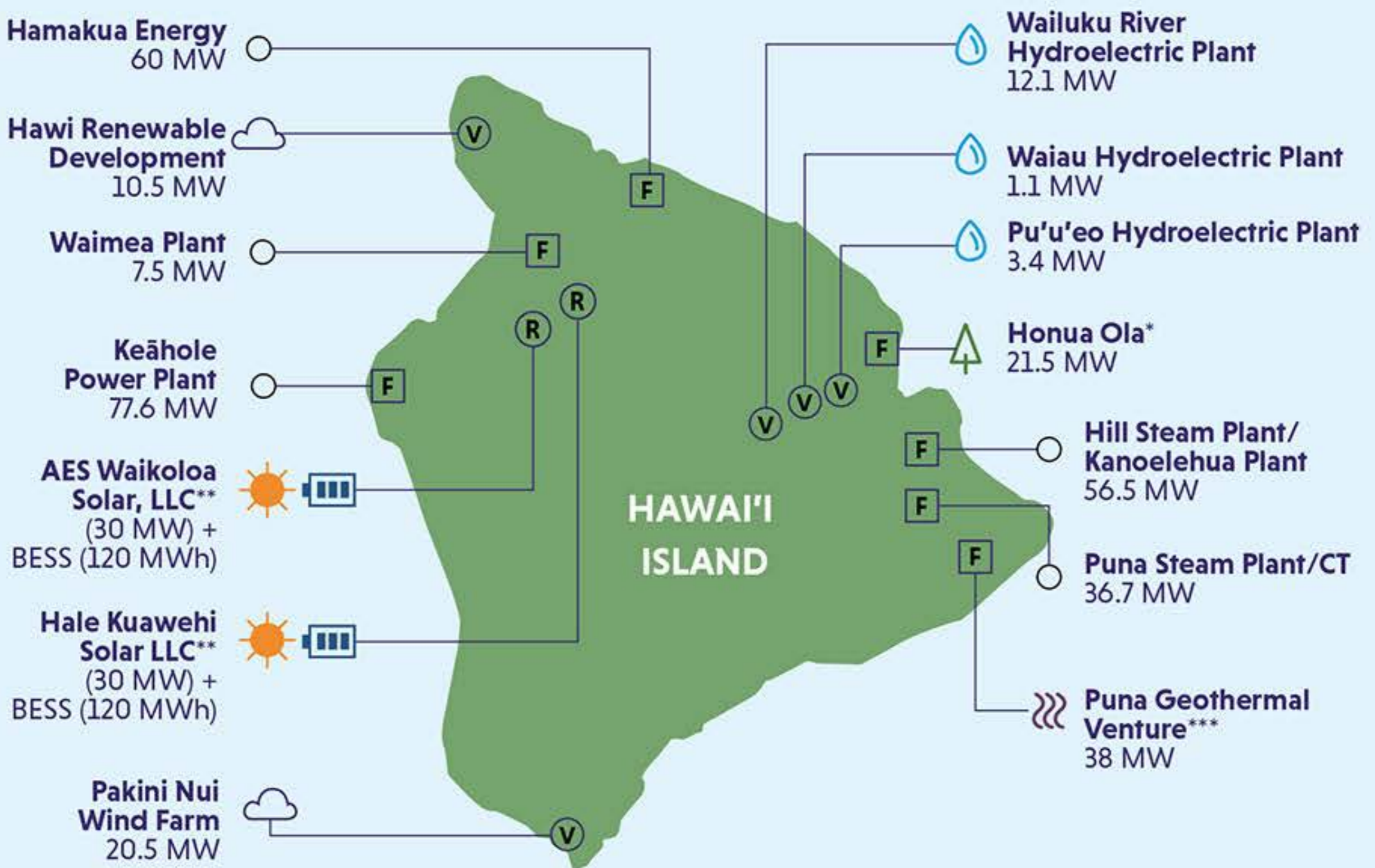


Grid-scale Renewables

Existing and planned generating facilities in our service area and the maximum potential power in megawatts (MW) they can produce.

-  **BIOMASS**
-  **HYDRO**
-  **STORAGE**
-  **OIL**
-  **GEOTHERMAL**
-  **GRID-SCALE SOLAR**
-  **WIND**



* AWAITING CONSTRUCTION; PUC APPROVAL ON APPEAL
 ** AWAITING CONSTRUCTION
 *** OFFLINE SINCE MAY 2018 DUE TO VOLCANIC ACTIVITY IN LOWER PUNA / AMENDED PPA AWAITING PUC APPROVAL

- F FIRM GENERATION:** Energy available on demand, which can be adjusted as needed.
- V VARIABLE GENERATION:** Energy that may not always be available or controllable.
- R RENEWABLE DISPATCHABLE GENERATION**
BESS: Battery Energy Storage System

To see the current progress of each of our grid scale renewable projects, visit:
www.hawaiianelectric.com/clean-energy-hawaii/our-clean-energy-portfolio/renewable-project-status-board