OAHU SOLAR PROJECTS: POWERING HAWAII'S CLEAN ENERGY FUTURE

Clearway Energy Group is accelerating the world's transformation to a clean energy future. With more than 4.1 gigawatts of solar and wind energy assets in 25 states and a development pipeline across the country, we are offsetting the equivalent of nearly 9 million tons of carbon emissions for our customers. The company is headquartered in San Francisco with offices in Carlsbad, Scottsdale, Houston, and New York.

On Oahu, there are currently three solar projects that are operational and two additional solar projects in development. The two projects in development incorporate battery storage that will provide flexibility and resiliency to the electric grid. Once complete, the five solar projects will generate 185 megawatts (MW) of low-cost renewable energy, equal to that used by over 62,000 homes on Oahu in a year.

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PROJECTS - OPERATIONAL

Kawailoa Solar – The 49 MW Kawailoa Solar project uses over half a million solar panels and is the largest solar project in the state, sited on former sugar cane land owned by Kamehameha Schools. Adjacent to the state's largest wind farm, Kawailoa Solar shares the use of existing roads, switchyards and transmission lines. Clearway will continue an energy education program in partnership with Blue Planet Foundation and Kamehameha Schools, using the solar site for academic field trips.

Waipi'o Solar – The 45.9 MW Waipi'o Solar project consists of over 160,000 panels on former cattle pasture land owned by Clearway in Central O'ahu. The Waipi'o project is also be used for sheep grazing during operations, helping to manage vegetation while supporting local agriculture.

Mililani Solar II – The 14.7 MW Mililani Solar II project uses over 150,000 solar panels and is constructed on former pineapple land, now owned by Clearway. Located in the Mililani Agricultural Park, the project is sited alongside active farming operations.

PROJECTS - IN DEVELOPMENT

Additional projects under development were previously identified as solar sites and have conducted initial land use, cultural, and environmental reviews. These development projects are still at an early stage, and Clearway is conducting community outreach and diligence studies in preparation for filing land use permitting applications. Twenty (20) year power purchase agreements (PPAs) for these projects were executed in December 2018 with Hawaiian Electric Company. The PPAs were approved by the Hawaii Public Utilities Commission (HPUC) in April 2019.

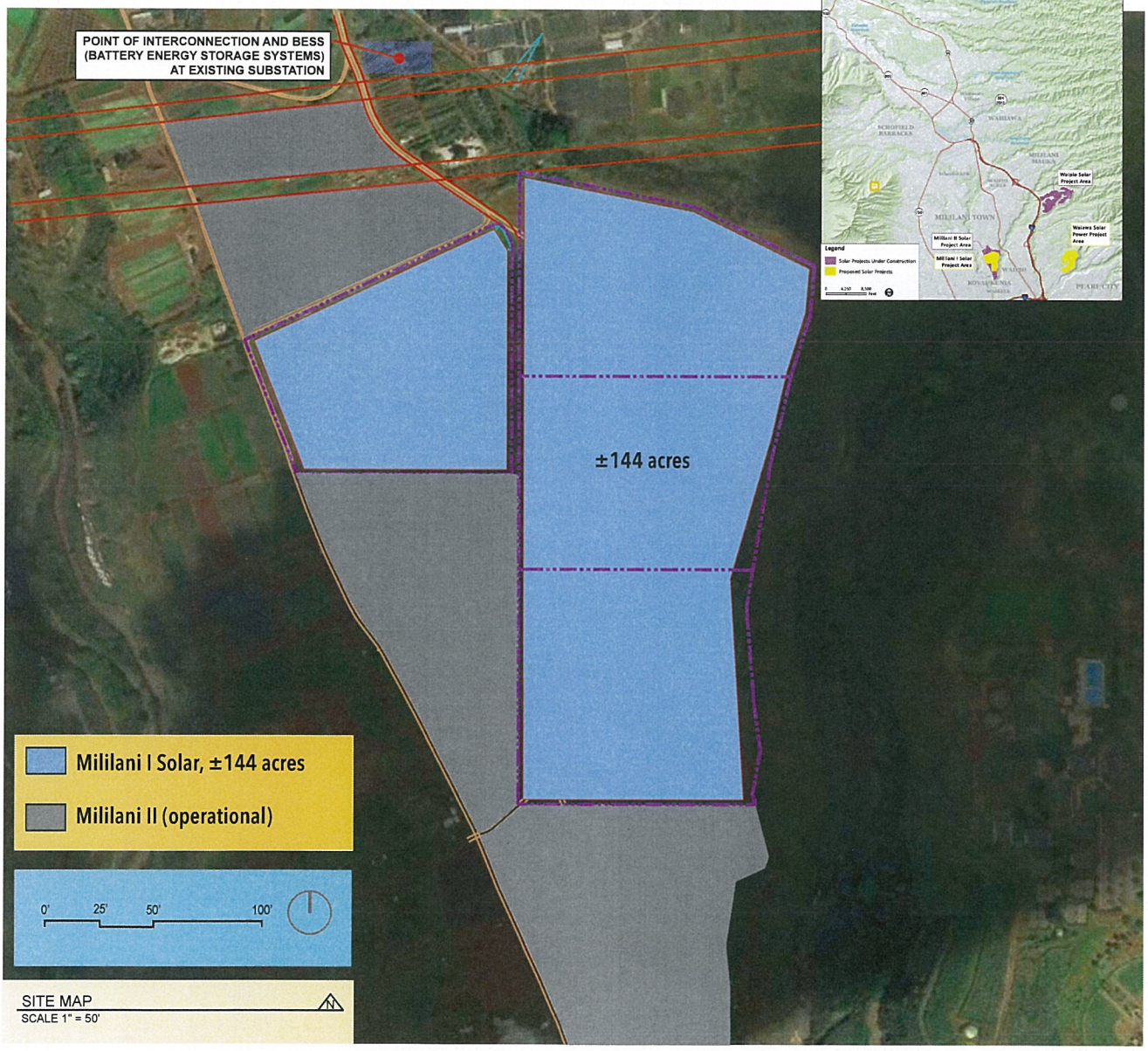
The projects include load shifting batteries which will store energy produced from the solar system during the daytime peak for solar production (roughly 10am – 2pm) and discharge energy to the grid during the evening peak (5pm – 9 pm). This is beneficial due to the excess energy production from solar during the daytime and increased demand for energy usage in the evening.

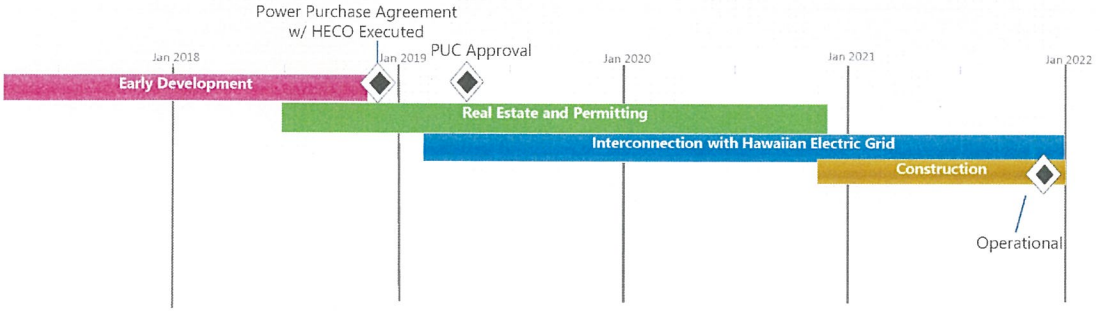
Mililani I Solar – The solar project is sized at 39 MW with four hours (156 megawatt-hours) of battery storage. It is adjacent to the Mililani II Solar project (operational). The site is accessed from Meheula Parkway off Lanikuhana Avenue.

Waiawa Solar – The solar project is sized at 36 MW with four hours (144 megawatt-hours) of battery storage. The project is located east of the H-2 Freeway near Waipio. The land is leased to Clearway by Kamehameha Schools and is accessed from Waiawa Prison Road.

Clearway

MILILANI SOLAR





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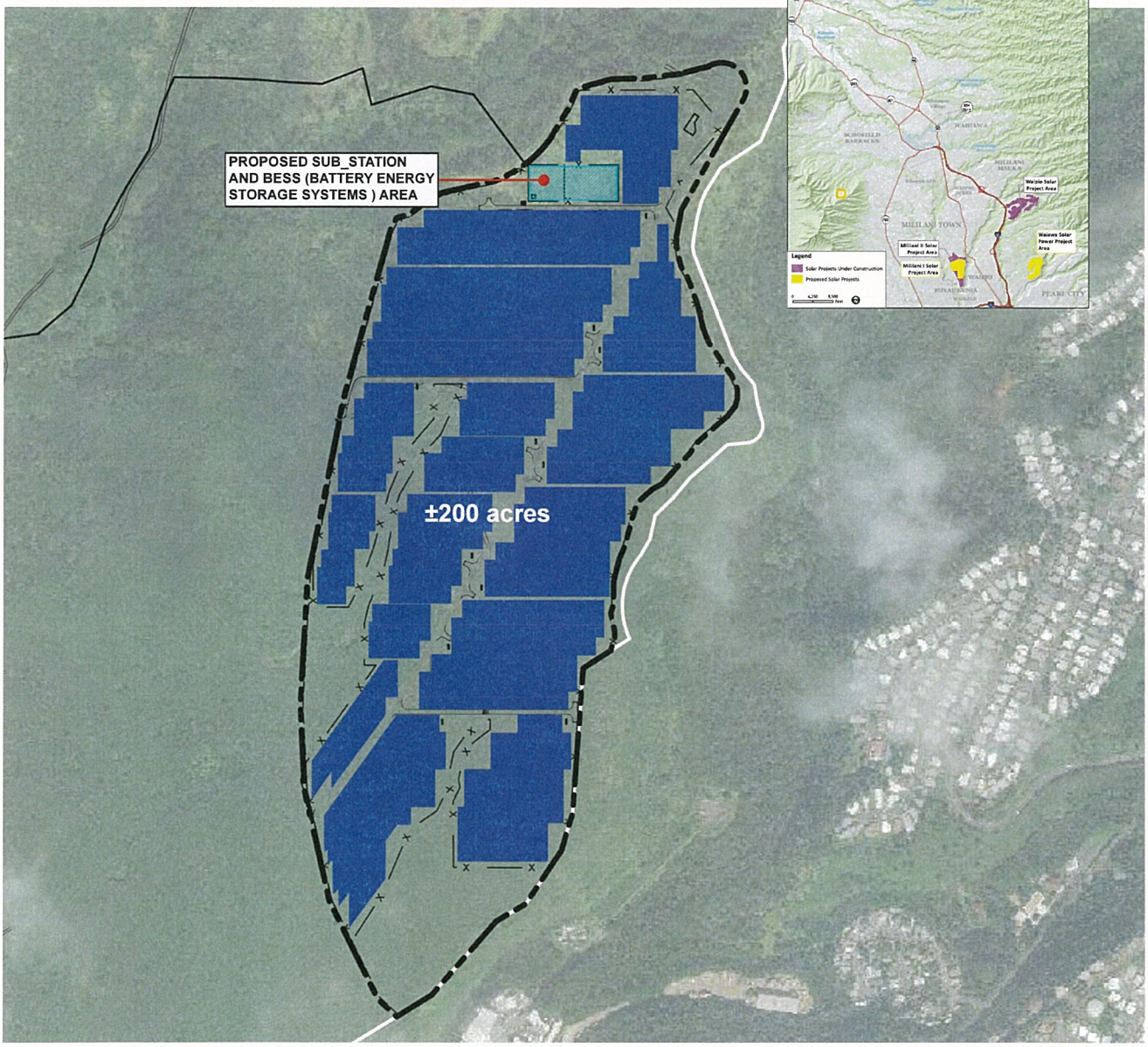
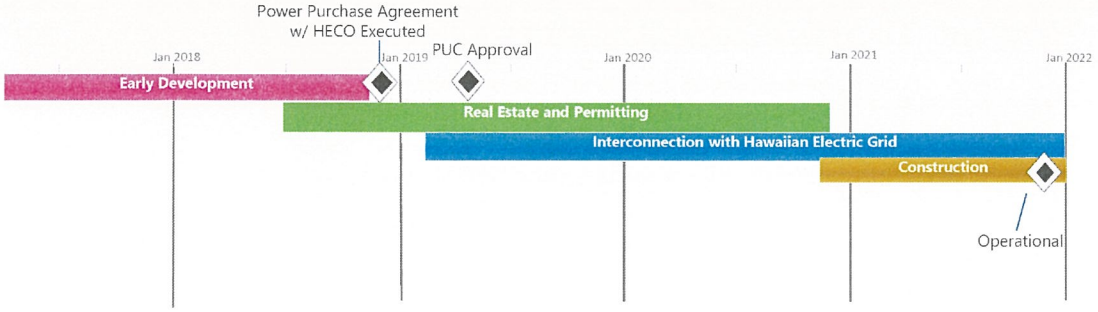
WAIAWA SOLAR





Example of Battery Storage System

TEP Iron Horse Project (Battery integrator: Greensmith with EON)

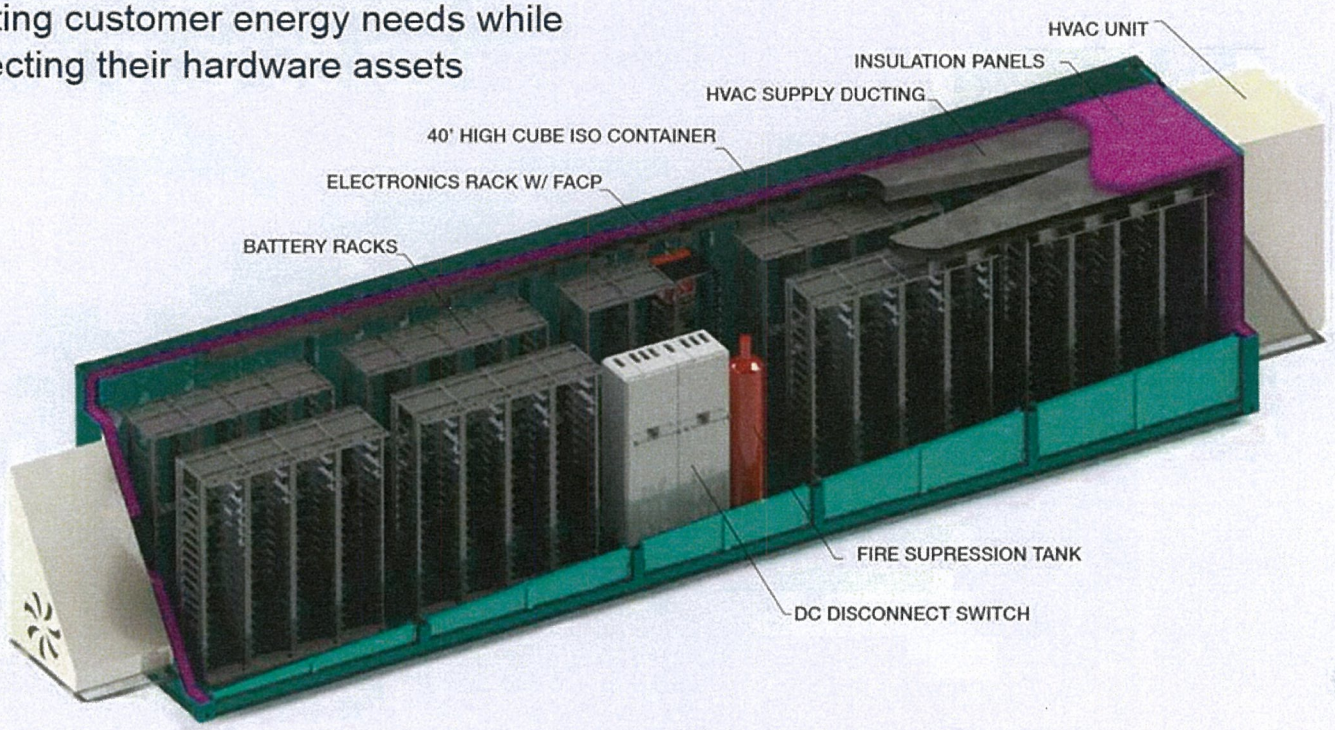
Battery Energy Storage Product Detail

Product Overview

WÄRTSILÄ

Container Standardization

Our standardized container is a cost effective solution for meeting customer energy needs while adequately protecting their hardware assets



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