

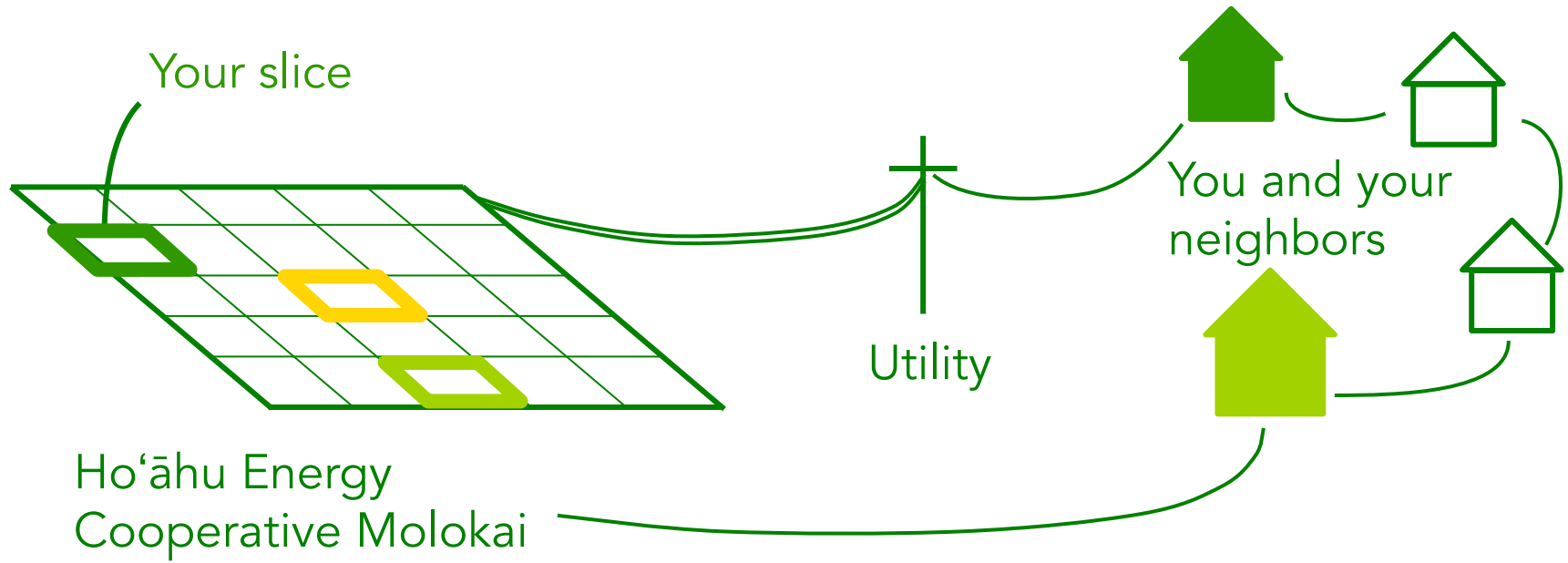
Hō'ahu Energy Cooperative Molokai's Solar Carport Project at Kualapu'u Rec Center

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Project Description - how does CBRE work?



CBRE Announcement!



Hawaiian
Electric



NEWS RELEASE

MEDIA CONTACTS LISTED BELOW

FOR IMMEDIATE RELEASE

Hawai'i's first two community-owned and -designed solar projects coming to Molokai

Next step - proposals to be submitted to Public Utilities Commission

MOLOKAI, Jan. 12, 2023 – Hawaiian Electric and Ho'āhu Energy Cooperative Molokai are moving ahead with the state's first two community-owned and -designed solar plus battery projects. These projects could meet over 20% of Molokai's energy needs and serve an estimated 1,500 households on the island. The Ho'āhu Community-Based Renewable Energy Projects, Pālā'au Solar and Kualapu'u Solar, will be the first on the island to offer the shared solar program (also known as community-based renewable energy or CBRE) to help lower the

Project Names:

- Kualapu‘u Solar
- Pālā‘au Solar

Project Owner:

Ho‘āhu Energy Cooperative Molokai

Project Development Support:

Shake Energy Collaborative and Mana Pacific

Kualapu‘u Solar

Kualapuu Site

Located in Kualapu‘u town at the Rec Center

Solar Photovoltaic (PV) Size: 250 kW AC (345.6 kW DC)

PV Technology: Bifacial

Battery Energy Storage System (BESS) Size: 250 kW AC (1 MWh)

BESS Technology: Lithium Iron Phosphate

Output: 604,909 kWh (about 2% island grid usage)

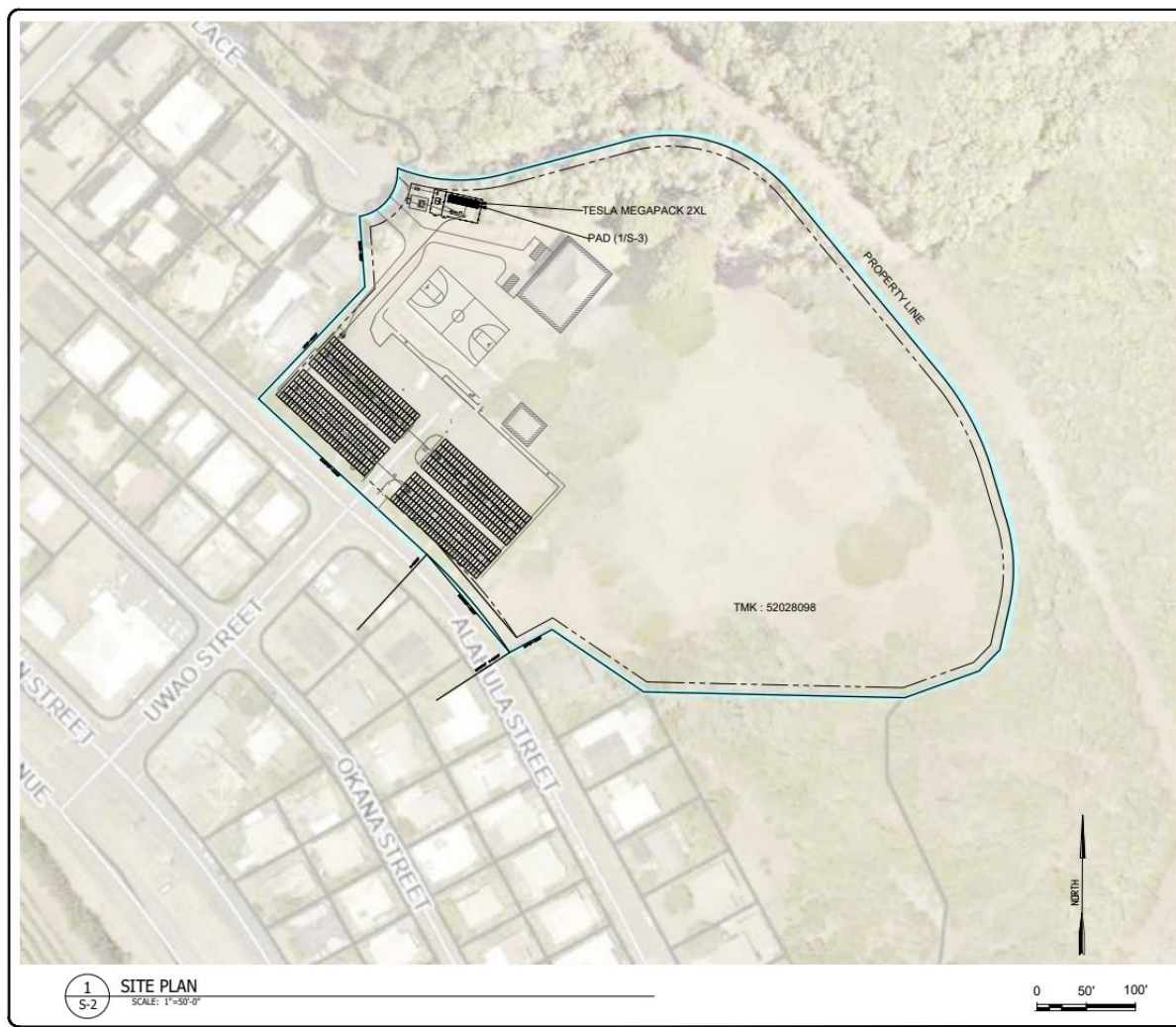


● Point of Interconnection

▭ Carport solar array

▭ Battery Energy Storage System

Site Plan



LEGEND

- PROJECT BOUNDARY
- SETBACK LINE
- PROPOSED CHAIN LINK FENCE
- ELECTRICAL WIRE
- PV CARPORT
- COMBINER BOXES
- TESLA MEGAPACK
- TRANSFORMER
- INVERTER
- ELECTRICAL PANEL
- HAND HOLE
- ELECTRICAL CABINETS



Project and Community Benefits:

- Local control over design and management of the project
- Renewable energy for Molokai
- Stable price for electricity for 20 years
- Possible resilience - could provide power to Kualapu'u in the future
- Local workforce development and hiring
- Savings for co-op members - expected about 20% savings for 150 families on Molokai that sign up

Interconnection Route - Kualapu'u



Ho'āhu Energy Cooperative Molokai
Community Based Renewable Energy - Kualapu'u Solar

 TMK: (2)5-2-028:098 - 6.8 acres
 Site Area - 1 acre

Required Government Approvals and Permits

Kualapu'u Permits

Permit/Approval Name
County Site Control
SHPD Consultation
Environmental Assessment
Building permit
Noise Permit
Federal Aviation Permit
Grading Permit
Structural Permit
High Voltage Permit
SWPP/NPDES Permit

Impacts

The pillars for the front two carports will displace 8 parking stalls, bringing the total stalls in the lower lot from the current ~104 stalls to 96 future stalls.

About 17 Autograph trees will need to be removed and replaced with about 30 trees on this and other county park properties on Molokai.

Where to find more information

Find more information at <https://hoahuenergy.coop/cbre/>