



Makawao Solar Pi'iholo Solar

Nov 15th, 2023

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Hawaii Programs Director



REVOLUTIONIZING THE
FUTURE OF CLEAN ENERGY

NEXAMP 2023

NEXAMP.COM

AGENDA

1. Hawaii Clean Energy Initiative
2. What is Community Solar
3. Makawao – Pi'iholo Project Details
4. How do I qualify for the program



Natural Energy Laboratory Of Hawaii Authority (NELHA)
Kona, HI 2003

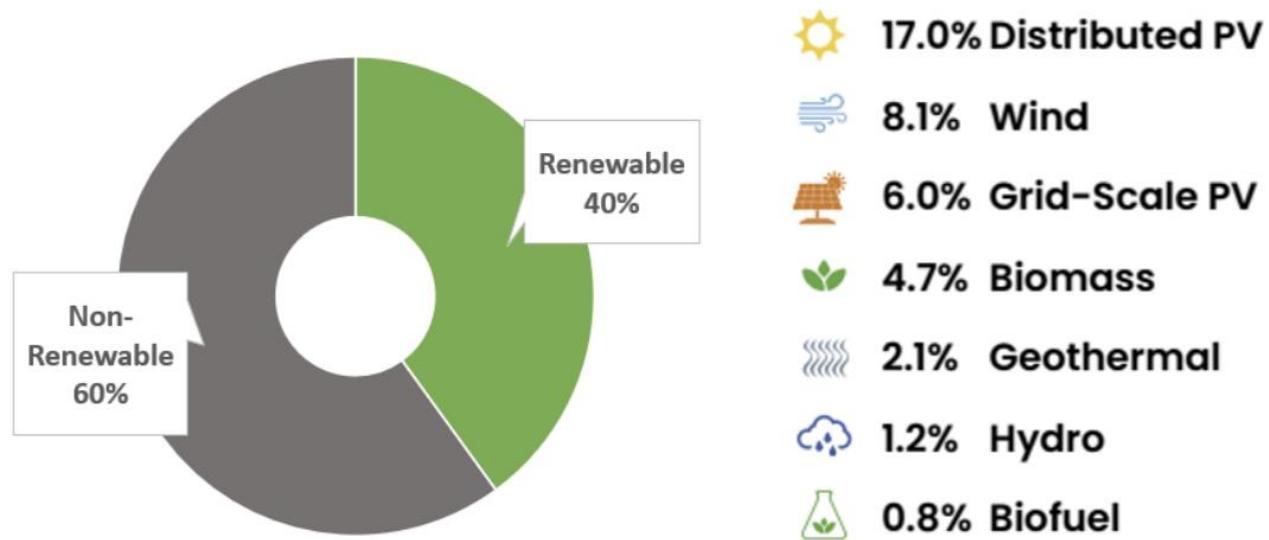


Hawaii's Clean Energy Initiative (HCEI)

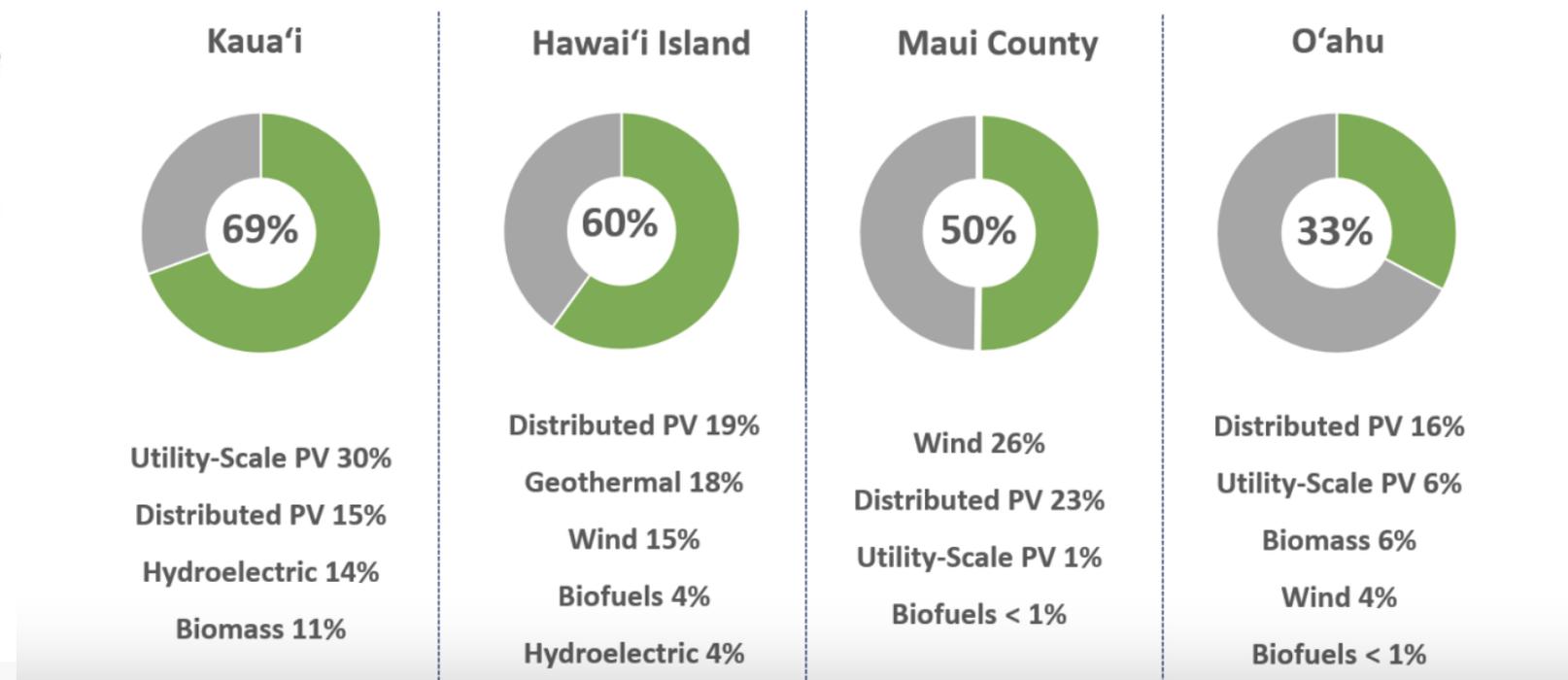
The Hawai'i Clean Energy Initiative renewed Hawai'i's commitment to setting bold clean energy goals that include achieving the nation's first-ever 100 percent renewable portfolio standard (RPS) by the year 2045.

Each island operates a stand-alone grid with a unique portfolio of renewable and fossil fuel energy resources.

STATEWIDE RENEWABLE ELECTRICITY SALES, 2021



2021 RENEWABLE PORTFOLIO, BASED ON ELECTRICITY SALES



We are working to replace this...



...with this.



HECO Low-to-Moderate Income Community Based Renewable Energy “Shared Solar” Program

In 2015, Act 100 of the Hawai‘i State Legislature directed the Hawai‘i Public Utilities Commission (PUC) to establish a “community-based renewable energy” tariff (Section 269-27.4, Hawai‘i Revised Statutes). The details of the tariffs and programs have been (and are being) developed under PUC Docket No. 2015-0389.

On March 17, 2022, Hawaiian Electric issued a Request for Proposals for Community-Based Renewable Energy Projects for Low-And Moderate-Income customers for the islands of Oahu, Maui, and Hawaii

On November 22, 2022, Hawaiian Electric awarded Nexamp 7 solar projects to benefit low- and moderate-income customers on Oahu, Maui, and Hawaii Island

Community Solar (CBRE) Community Benefits:



Allows renters, non-profits and other community members to benefit from shared solar energy systems.

Locally-Produced Clean Energy

- Local solar and storage systems
- Contributes to Hawaii's 100% renewables goal
- Mitigates impacts of climate change
- Increases grid stability

Lower Energy Costs for Residents

- Savings for local households
- Savings for non-profit or public entities
- Only Maui County households can enroll
- Job opportunities for residents

| Nexamp #1 Company in Community Solar

We believe that **access to affordable, clean energy is a right, not a privilege.** Nexamp is lowering barriers and unlocking energy savings for communities from Maui to Massachusetts.

Nexamp is committed to **making solar energy accessible** and **bring energy cost savings** to local residents.

- We're building the future of energy so it's clean, simple, and accessible for everyone.
- We own, operate, and maintain all of our solar and storage projects.
- Our mission is to ensure equity, accessibility, and transparency through a vertically integrated model.

Nexamp Named #1 Community Solar Company by Solar Power World Magazine <https://www.nexamp.com/article/nexamp-named-1-community-solar-company-by-solar-power-world-magazine>



Community Solar

Community solar unlocks energy bill savings through local solar energy projects. Instead of putting solar on their roof, participants “subscribe” to a shared solar energy system and receive savings on their energy bill.

- ✓ No installation required
- ✓ No upfront cost
- ✓ No credit checks
- ✓ No long-term contracts
- ✓ Renters can join
- ✓ Save 10-15% off MECO Bill



MAUI BENEFITS FROM
SHARED SOLAR

Nexamp Awards

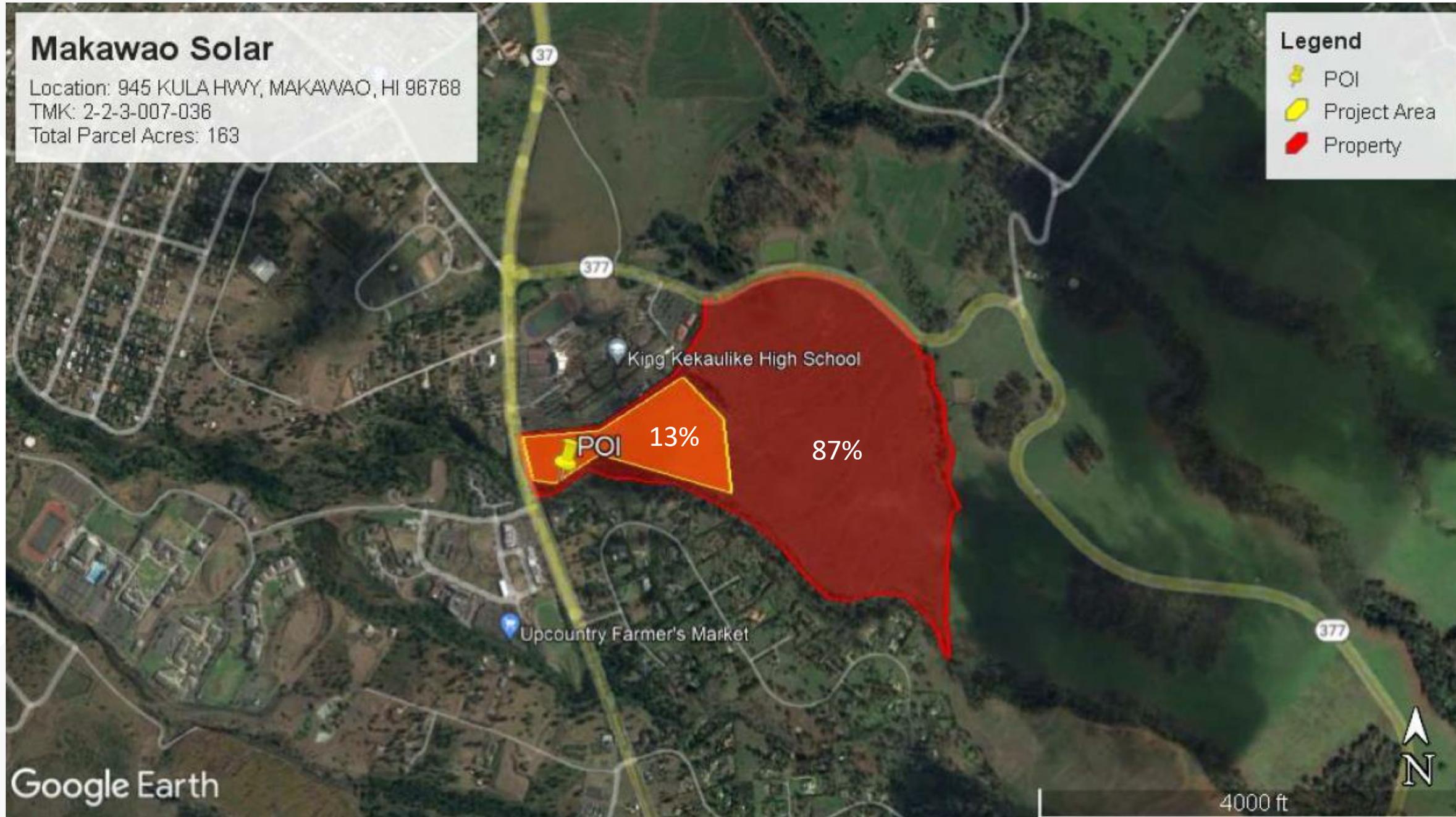
Island	Project	Megawatt Capacity (AC)
Oahu	<u>Kaukonahua Solar</u>	6 MW (Solar Only)
Maui	<u>Līpoa Solar</u>	3 MW + Battery
Maui	<u>Makawao Solar</u>	2.5 MW + Battery
Maui	<u>Pi'iholo Road Solar</u>	2.5 MW + Battery
Hawaii Island	<u>Kalaoa Solar A</u>	3 MW + Battery
Hawaii Island	<u>Kalaoa Solar B</u>	3 MW + Battery
Hawaii Island	<u>Naalehu Solar</u>	3 MW + Battery



Makawao Solar

- **Location: Off Haleakala Hwy adjacent to King Kekaulike HS**
- **PV 2.5 MW AC + 2.7 MW Battery**
- **Energy bill savings for County residents**
- **The project has the capacity to service up to 800 homes**
- **Estimated date of program commencement 2026**

Project Location



Total TMK Acreage
163 ACRES

Solar Acreage
21 ACRES

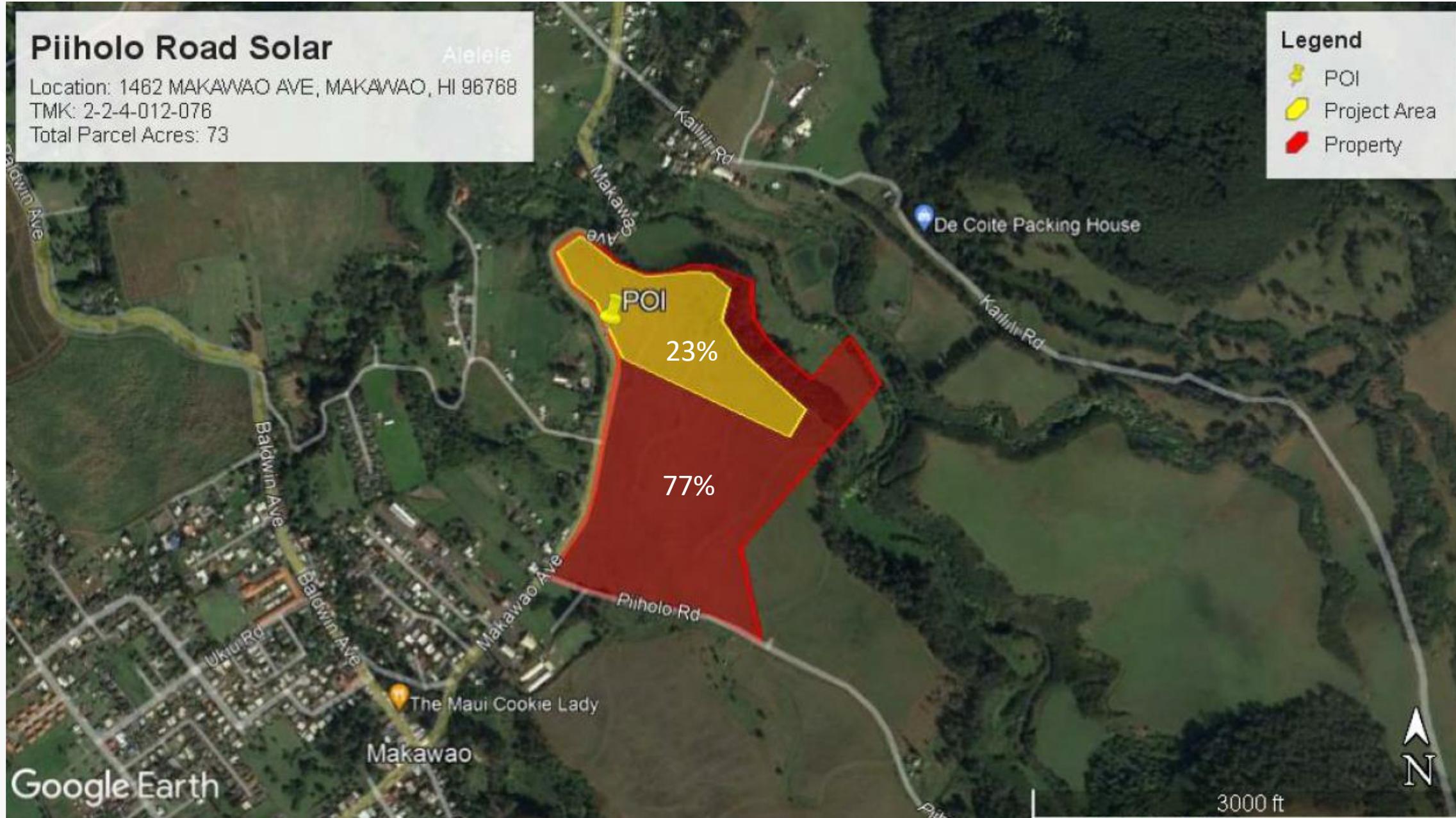
Agriculture Acreage
142 ACRES



Pi'iholo Solar

- **Location: Corner of Makawao Avenue and Pi'iholo Road**
- **PV 2.5 MW AC + 2.7 MW Battery**
- **Energy bill savings for County residents**
- **The project has the capacity to service up to 800 homes**
- **Estimated date of program commencement 2026**

Project Location



Total TMK Acreage
73 ACRES

Solar Acreage
17 ACRES

Agriculture Acreage
56 ACRES

Energy Storage Safety

Fire is a risk with grid-scale electrical equipment, with Lithium-ion Energy Storage being included. Nexamp selects its energy storage technology and designs its projects with safety as its core design principle.

Nexamp Safety Measures:

Selecting Equipment Manufacturers with proven safety and performance track records

Adhering to Energy Storage industry best practices

- NFPA 855 (2023) - Energy Storage Best Practice Guide referenced by state fire codes across the U.S.
- Certifications and testing: UL 9540A and UL 9540
- Hazard Mitigation Analysis: Used to determine the risk associated with a project and design mitigations that reduce those risks
- Emergency Response Plan: Comprehensive (site-specific) guidance on emergency response protocols for all project stakeholders

First responder training:

Nexamp meets with Maui Fire Dept prior to the construction of the energy storage system and then annually to update fire safety plan.

Wild-fire protection by design:

- Vegetation control, adequate spacing and setbacks, electrical isolation, etc.

Participant Eligibility

Subscriptions for Nexamp's Community Solar project will be reserved exclusively for low and middle-income (LMI) households in Maui County.

Community Solar is designed to lower energy costs for everyday Hawai'ians.

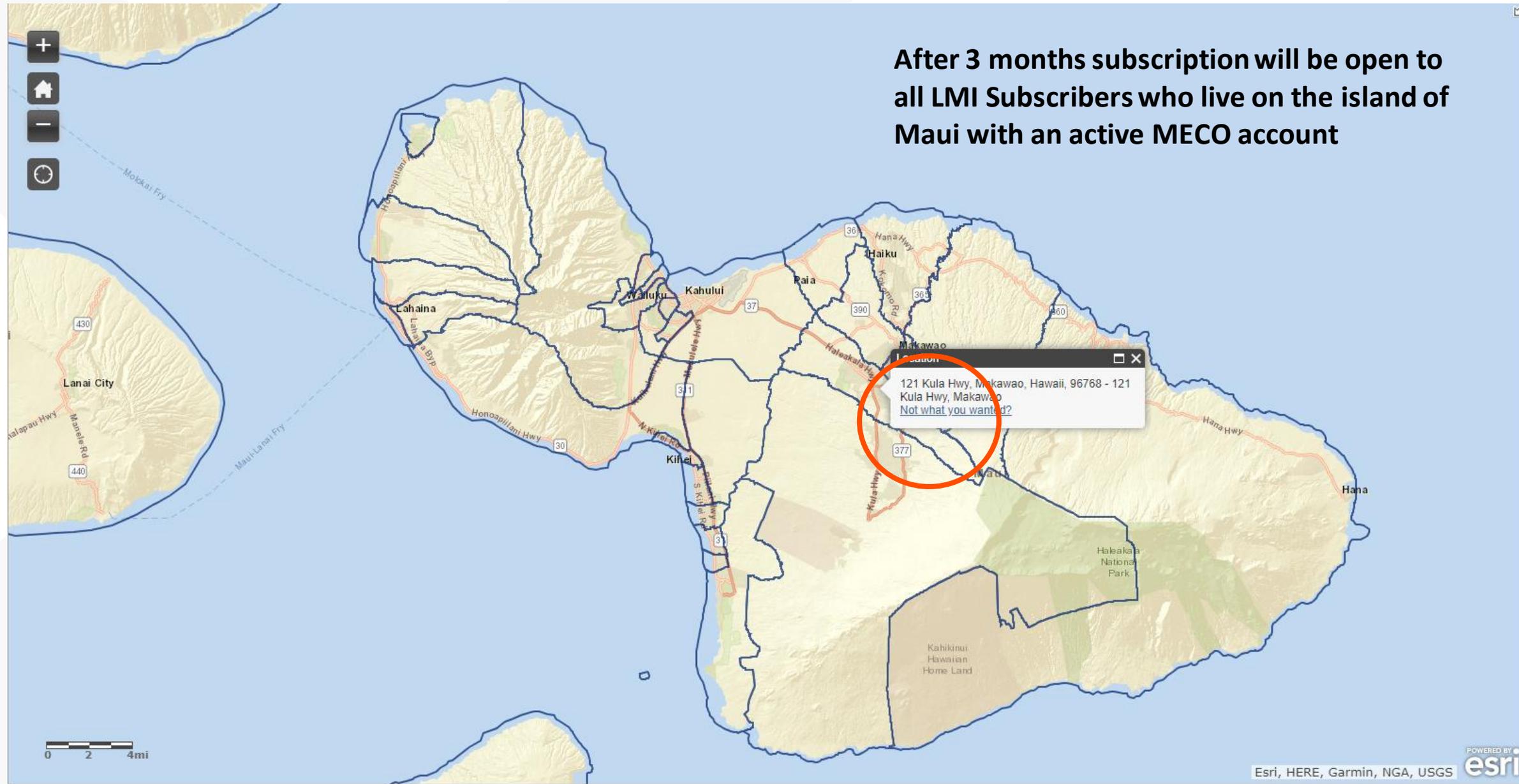
General Eligibility

- Must be a HECO residential customer
- Must reside in Maui County
- Must earn less than program income low-to-moderate ("LMI") income limits
- About 1,000 households can enroll in the project.

Non-profits, small businesses, and public entities can join given Nexamp approval.

Refer to Hawaiian Electric's MECO Rule 29 and Appendices for eligibility and qualification information.

Makawao Census Tracts – 3 Month Priority Subscription



Participant Income Qualification

Most local households meet income eligibility requirements.

Residential Income Qualification

1. Household's income must meet program income limits
2. Participant in a qualified government assistance program
3. Qualifying low-income zip code, according to HECO

Verified through signed attestation of income, proof of participation in social benefit programs, or proof of residence in eligible zip code.

Non-profit, Small Business, Public Entity

1. A city, county, state or federal governmental agency; or
2. An IRC Section 501(c)(3) organization; or
3. A participant in the Energy Advantage program within the Affordability and Accessibility program established by Hawaii Energy for certain small businesses

Non-residential entities must be approved by Nexamp.

2023 Eligible Income Limits

Household Size	Income Limit
1	\$64,900
2	\$74,150
3	\$83,400
4	\$92,650
5	\$100,100
6	\$107,500

MECO sets the income limits in Rule 29

Refer to Hawaiian Electric's MECO Rule 29 and Appendices for eligibility and qualification information.

How to Enroll

Nexamp currently plans to start enrollment in mid-late 2025. Households can enroll directly with Nexamp or through an online portal set up by HECO.

A three-month Priority Enrollment period will be available to households closest to the solar project.

Receive updates by following our website:

<https://www.nexamp.com/makawao-solar>

<https://www.nexamp.com/piiholo-road-solar>

- Nexamp will notify the community when enrollment is open.
- Once the projects are built and online, the subscribers start receiving credits and savings!

Mahalo!

<https://www.nexamp.com/makawao-solar>

<https://www.nexamp.com/piiholo-road-solar>

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