

nexamp

## Makawao Solar

Virtual Community Outreach Meeting  
January 12, 2023

REVOLUTIONIZING THE  
FUTURE OF CLEAN ENERGY

NEXAMP 2023

NEXAMP.COM



# Today's presentation includes

- **Mike Billet**  
Nexamp, Director Business Development
- **Keith Hevenor**  
Nexamp, Communication Manager
- **Teena Rasmussen**  
Skog Rasmussen, LLC
- **Jeanne Unemori Skog**  
Skog Rasmussen, LLC



# AGENDA

1. Who is Nexamp?

2. What is Shared Solar aka Community Solar?

3. What is the Makawao Solar Project?

4. Next Steps





# | The Nexamp Story

WHO IS  
NEXAMP?





# The Nexamp Way

WHO IS  
NEXAMP?



At Nexamp, we're revolutionizing the future of clean energy. We work with communities, businesses, and municipalities to democratize clean energy and support U.S. energy independence.

- Nexamp was founded in 2007
- We Own, Operate, and Maintain all of our solar and storage projects and manage every stage of the process
- Our mission is to ensure equity, accessibility, and transparency through a vertically integrated model
- We're building the future of energy so it's clean, simple, and accessible for everyone





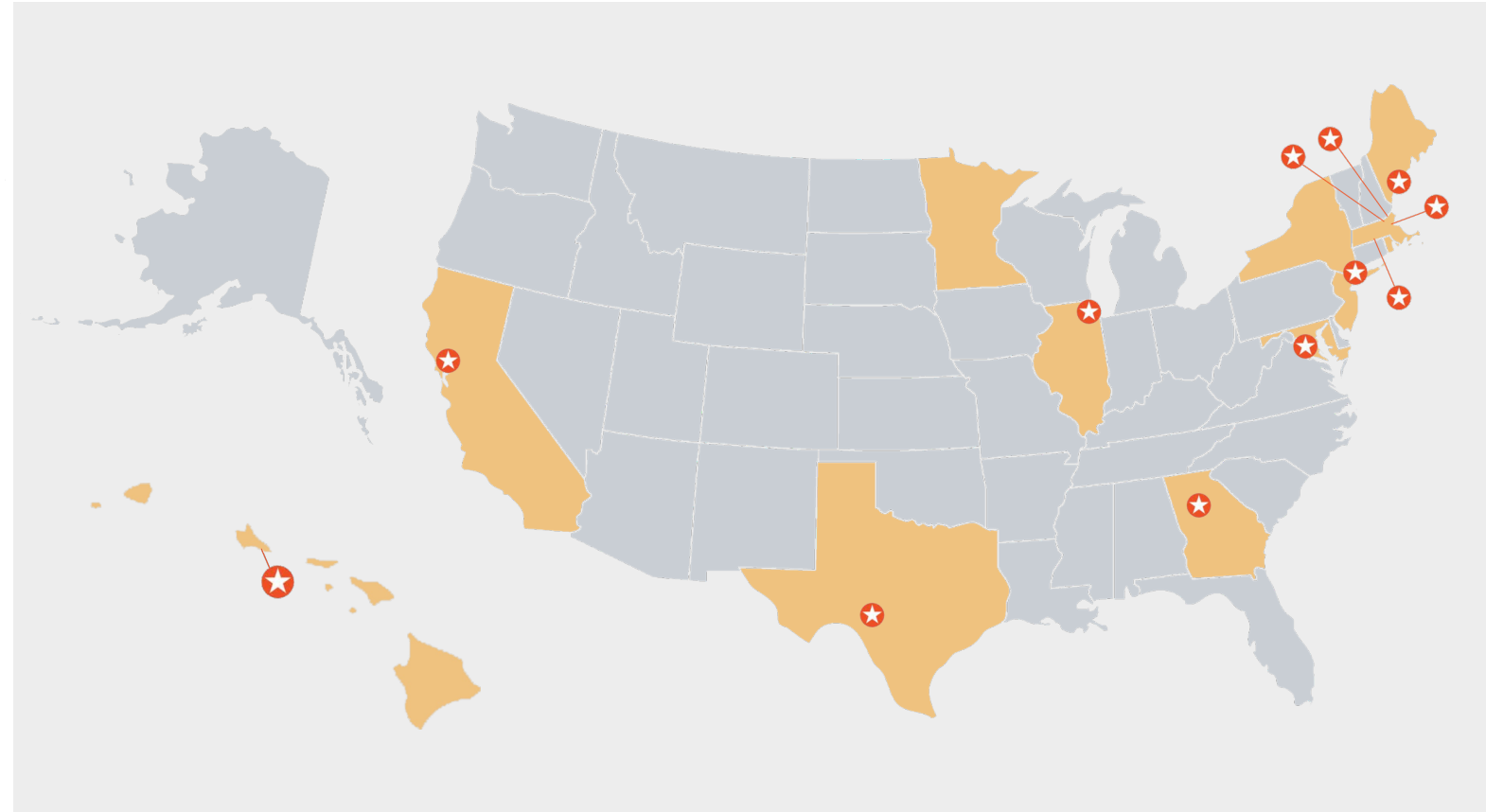
# Our People

Today, over 425 Nexampers are  
building the future of energy!



# Our Locations

WHO IS  
NEXAMP?



Nexamp is harnessing positive power and funneling it back into communities across the country. As one of the largest solar developers in the U.S., we're maximizing our social and environmental impact daily.

- We're a national, vertically integrated solar energy and storage company headquartered in Boston
- We develop, manage, and maintain community solar farms nationally
- We lead with inclusivity and equity, it is the foundation of our business model



# Delivering Results and Making an Impact

WHO IS  
NEXAMP?

a growing number of  
direct energy customers:

# 50,000+




# 12.5%

average annual savings  
per community solar customer

# 1.15<sup>+</sup> million


 solar modules  
deployed



# 420

  
gigawatt hours  
being produced on all  
Nexamp farms


# 300,000

 metric tons  
of CO<sub>2</sub>  
averted

+282% growth since 2018

# 1GW


operational  
and  
construction  
projects



+372% growth since 2018

# 400MW

distributed generation





# 250+

  
completed  
projects

# TOP SOLAR CONTRACTOR

 9 years running

# A+

  
rating on BBB

# 200%

employee growth







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# History of Shared Solar & Piiholo Road Solar

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



Island	Project	Megawatt Capacity (AC)
Oahu	<u>Kaukonahua Solar</u>	6 MW (Solar Only)
Maui	<u>Lipoa Solar</u>	3 MW + Battery
Maui	<u>Makawao Solar</u>	2.5 MW + Battery
Maui	<u>Piihola 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



# Shared Solar for Hawaii

FOCUS AREA  
SHARED SOLAR

## What is Shared Solar?

- Shared solar allows customers to take part in the solar energy movement and reduce their electric bills
- It benefits customers who until now have been unable to participate in solar energy
- Initial preference in this round will be given to projects serving low- to moderate-income (LMI) customers
- Projects from the next round of Shared Solar will be open to all customers
- All projects Support Hawaii's Clean Energy Initiative of 100% Renewable Energy by 2045

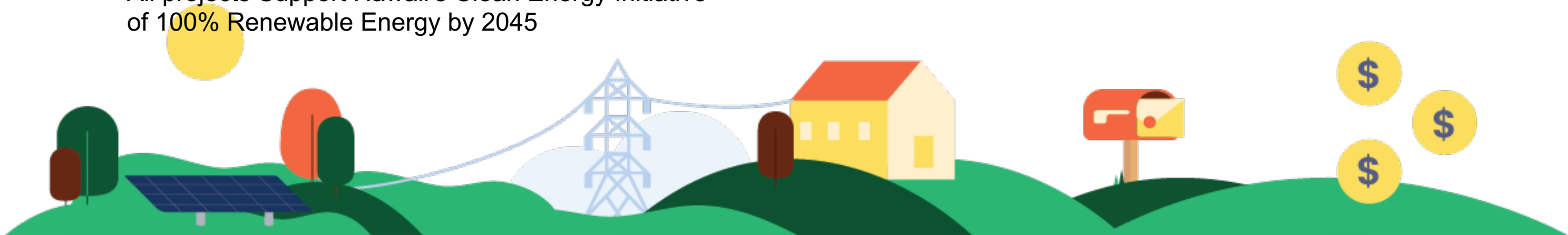
## How the program works

Nexamp awarded capacity to build a shared solar project and approved

Once the project is approved and built, Hawaiian Electric customers on the same island can participate in the Nexamp program

Shared solar subscribers receive a credit that lowers their electric bills for a portion of the renewable electricity generated by that project

Subscribers save up to 15% on energy costs





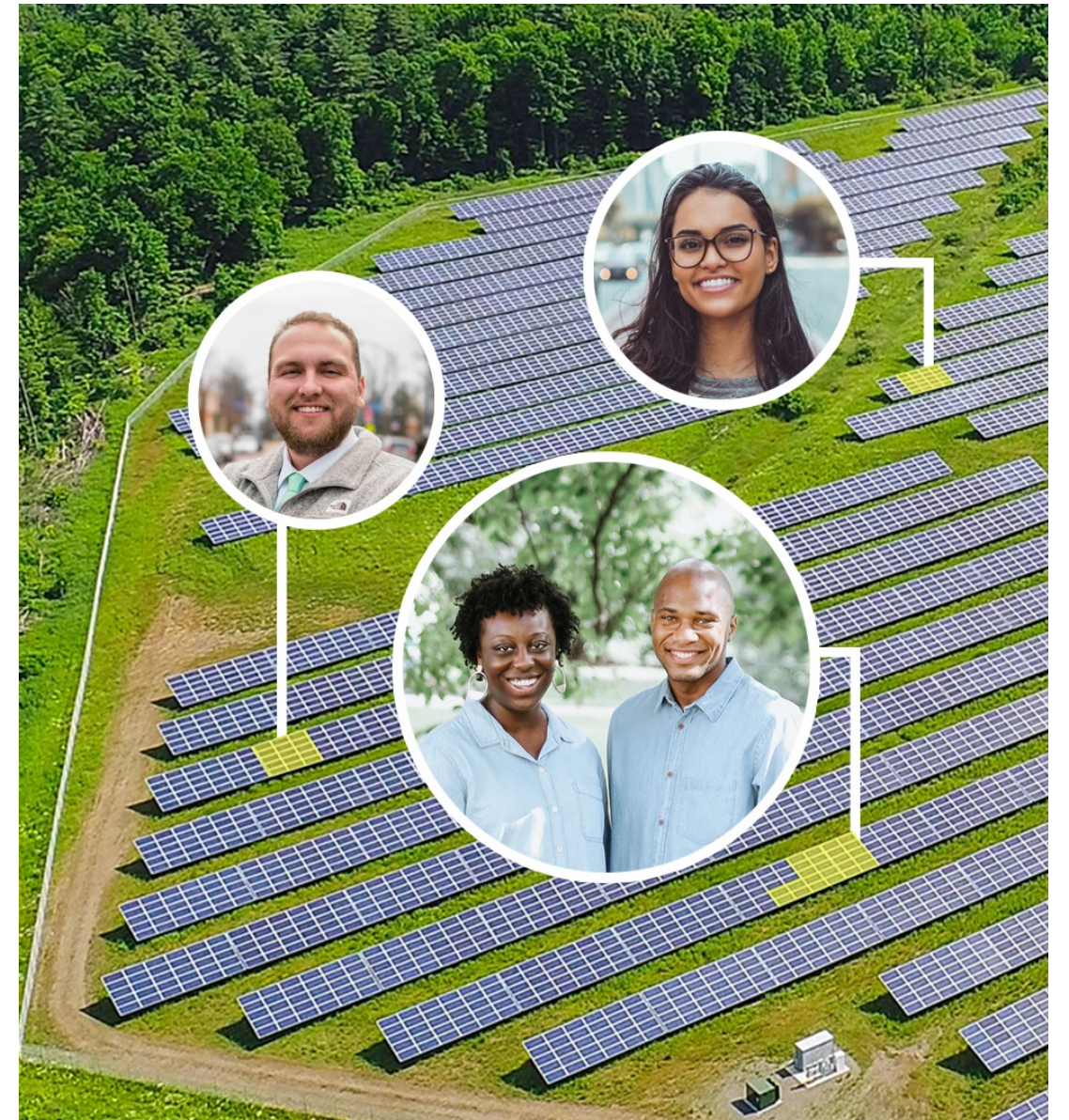
# Shared Solar

We're lowering barriers and unlocking clean energy for communities across the country. We believe that access to clean energy is a right, not a privilege, and are committed to making solar power flexible and accessible to all.

- ✓ No rooftop panels
- ✓ No upfront cost
- ✓ No credit checks
- ✓ No long-term contracts
- ✓ No need to own your home
- ✓ Savings for everyone



WHAT IS  
SHARED SOLAR?





# Nexamp Shared Solar 101

WHAT IS  
SHARED SOLAR?





## How to Qualify?

### **(3) ways to qualify as a Residential LMI Customer**

1. Household's income must be equal to or less than the income limit established by HUD for the customer's household size in the appropriate county
2. Participant in a qualified government assistance program
3. A person residing in any zip code identified by Hawaii Energy as qualifying for LMI status

### **(3) Ways to qualify as a Non-Profit or small business**

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 and restaurants

## How do I Apply?

1. Go to Hawaiian Electric's CBRE Portal:  
<https://communityenergyhawaii.com/>
2. LMI customers – including those who are renters and apartment residents – may become "subscribers" to a facility on their respective island.
3. Once the projects are built and online, the subscribers receive credits on their monthly electricity bill based on their level of participation.
4. Participation levels are based on your Hawaiian Electric account historic energy usage.





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# Makawao Solar

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

- The project, located off Haleakala Hwy
- PV system size is 2.5 MW AC + Battery
- The project has the capacity to service more than 500 homes\* and 30 nonprofit anchor tenants\*
- Nexamp is offering first rights to Subscribers that live within a 5-mile radius of the project
- Initial Environmental and Cultural due diligence resulted in no probable effect
- Detailed Environmental and Cultural Impact Studies will be completed as prior to the permitting approval process
- Nexamp has a Decommission Plan to recycle all equipment and restore the land to its natural state



# Project Location

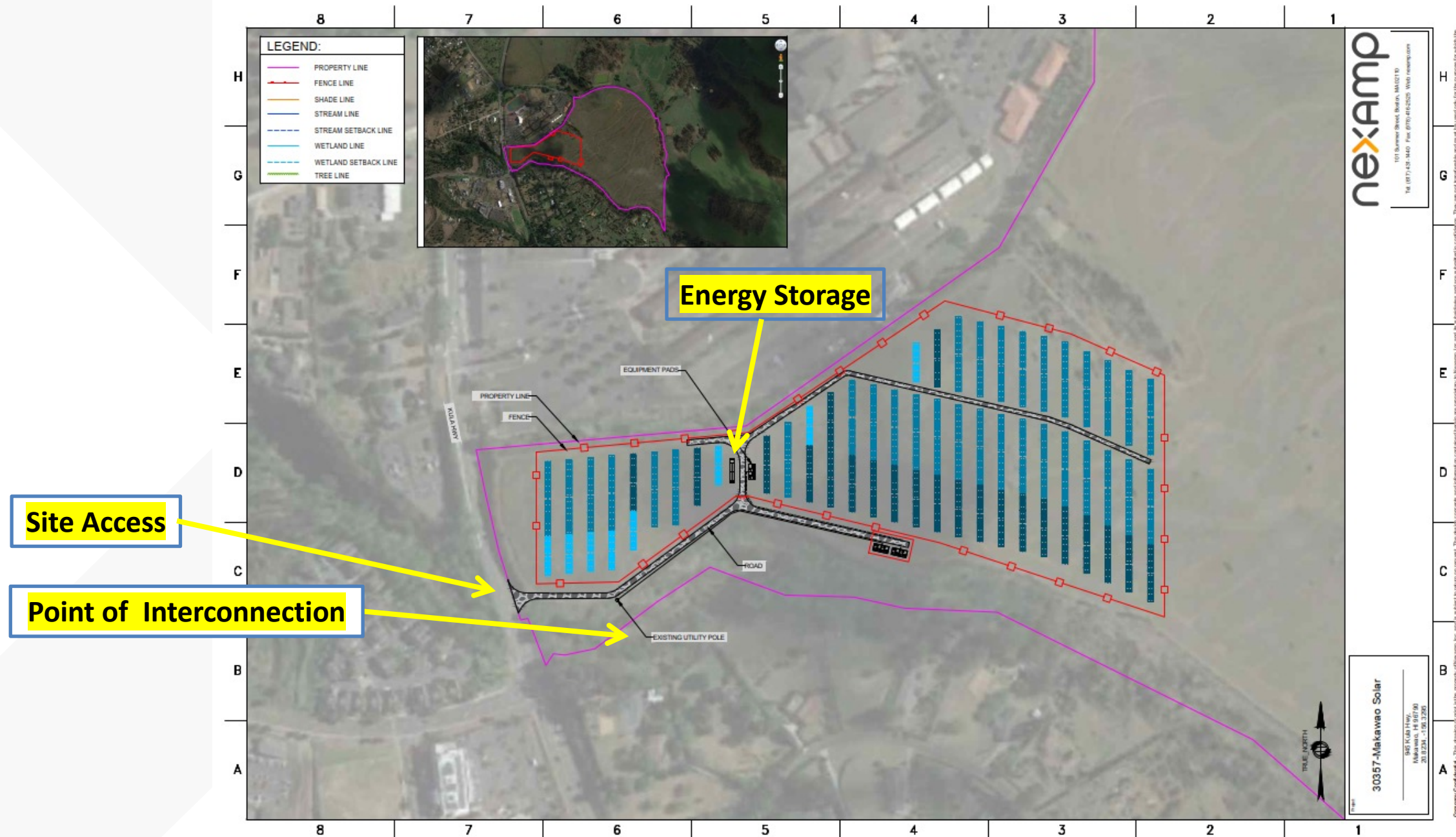
WHAT IS THE  
MAKAWAO SOLAR PROJECT?





# Project Design

WHAT IS THE  
MAKAWAO SOLAR PROJECT?



**Project Acreage**  
20.25 ACRES

**Parcel Acreage**  
165.2 ACRES

**Project/Parcel**  
12.2%

# Project Benefits

## **Increased Environmental Quality**

- Clean Renewable Energy and Storage
- Contributes to Hawaii's Clean Energy Initiative goal of 100% renewables by 2045
- Mitigates impacts of Climate Change
- Increases Grid Stability

## **Increased Economic Sustainability**

- Savings for LMI Residential Subscribers
- Savings for Non-Profit Subscribers
- Local Labor Commitment

## **Reliable Partner**

- Nexamp will finance, construct, operate and maintain the project
- Nexamp will provide Customer Enrollment and Customer Service throughout the 20-year term



# Community Benefits

Cleaner, more resilient grid

Supporting residents & business

Reliable long-term partner

Community benefits package



# Required Government Permits and Approvals

Permit / Approval Type	Purpose	Approving Agency
Special Use Permit	County Zoning Use requirements	County of Maui, Planning Commission
Grading and Grubbing Permit	Clearing and grading of site, site roads, and erosion and sediment control	County of Maui, DPW
Building and Electrical Permit	Construction of solar equipment and pads for support facilities	County of Maui, DPW, Building Division
Storm Water General Permit for Construction Activities	Disturbance greater 1-acre for water quality protection	State of Hawaii, Clean Water Branch
Historic, Cultural and Natural Resource Review	Obtain concurrence on potential effects of cultural, natural and historic elements	DLNR, SHPD
Community Noise Permit for Construction activities	Noise exceedances greater than allowable decibels	State of Hawaii, Indoor and Radiological Health Branch



# Environmental Impacts

## Preliminary Environmental Assessment Summary of Potential Effects

- Natural Environment  
Air Quality – Biological Resources – Climate –  
Soils – Topography – Geology
- Land Regulations
- Socio-Economic Characteristics
- Solid Waste
- Hazardous Materials
- Water Quality
- Public Safety Services
- Recreational Resources
- Potential Cumulative and Secondary  
Impacts

## Cultural Impacts

**The land was historically used for growing sugar cane and cattle grazing**

**Initial Research indicates no potential effect**

## State Historic Preservation Division (SHPD) Process

- Historic preservation review
- PCSI will complete an Archaeological Literature Review with Field Inspection (ALRFI)
- SHPD “Determination of Effect” letter:
  - ➔ No effect with no additional work required
  - ➔ Effect with additional historic preservation effort needed
  - ➔ Archaeological monitoring during construction
  - ➔ Archaeological inventory survey prior to construction
  - ➔ Historic preservation plan, etc.



# The Nexamp Way

WHAT IS THE  
MAKAWAO SOLAR PROJECT?

**We're a vertically integrated organization that manages each phase of the project to ensure consistent and repeatable results.**



# Project Timeline

WHAT IS THE  
MAKAWAO SOLAR PROJECT?

2022

**Maui Electric Selection to Final Award Group**

November 2022

**Virtual Community Outreach Meeting**

January 2023 & Quarterly

**Community Outreach**

Ongoing

**PUC PPA Contract Approval**

June 2023

**Permit Approvals**

May 2024

**Construction**

June 2024

**Guaranteed Commercial Operations Date GCOD**

June 2025

2025





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# Next Steps

NEXT STEPS

<b>Project Development Initial Public Meeting January 2023</b>	<b>Project Development Public Meeting 2 April 2023</b>	<b>Pre-Construction Public Meeting 3 July 2023</b>	<b>Pre - Construction Public Meeting 4 October 2023</b>
Where to find more information	Project Status Updates:	Project Status Updates:	Project Status Updates:
How to contact us	Interconnection Studies IRS	Interconnection Studies IRS	Interconnection Studies IRS
Community Outreach	Environmental	Environmental	Environmental
Community Feedback Recording to PUC	SHPD	SHPD	SHPD
PPA Negotiations	PPA	PPA Executed	Engineering
Submit for PUC Approval	PUC Approval	PUC Approval	Permitting
Start Land Studies	Community Benefits Package	Community Benefits Package	Community Benefits Package
SHPD (HRS) 6E historic preservation review	Community Feedback	Community Feedback	Community Feedback





Contact Us

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## HONOLULU, HAWAII

1050 Queen Street, Suite 100  
Honolulu, Hawaii 96814

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[makawaosolar@nexamp.com](mailto:makawaosolar@nexamp.com)

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[www.nexamp.com](http://www.nexamp.com)

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# Mahalo!

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

Email : [makawaosolar@nexamp.com](mailto:makawaosolar@nexamp.com)