

Hawai'i Powered



# Virtual Public Meeting

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Integrated Grid Planning Request for  
Proposals

Hawai'i Powered



# Integrated Grid Planning RFP

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March 11, 2024



Please mute your audio when not speaking



This meeting is being recorded



Hawaiian  
Electric

# We welcome your questions

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**EMAIL**



RenewableAcquisition@hawaiianelectric.com


**FACEBOOK**

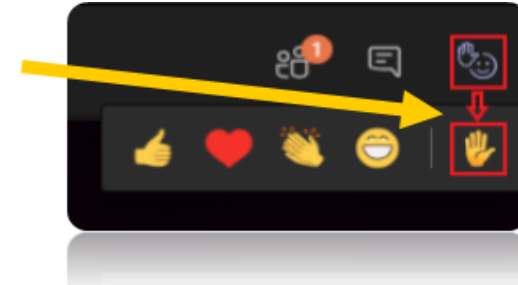


Comment box

**VIRTUAL  
MEETING**



Click "Raise Hand" 



**PHONE**



Press \*6 by phone

**SURVEY**



QR Code or <https://form.jotform.com/240707069410148>

# Agenda

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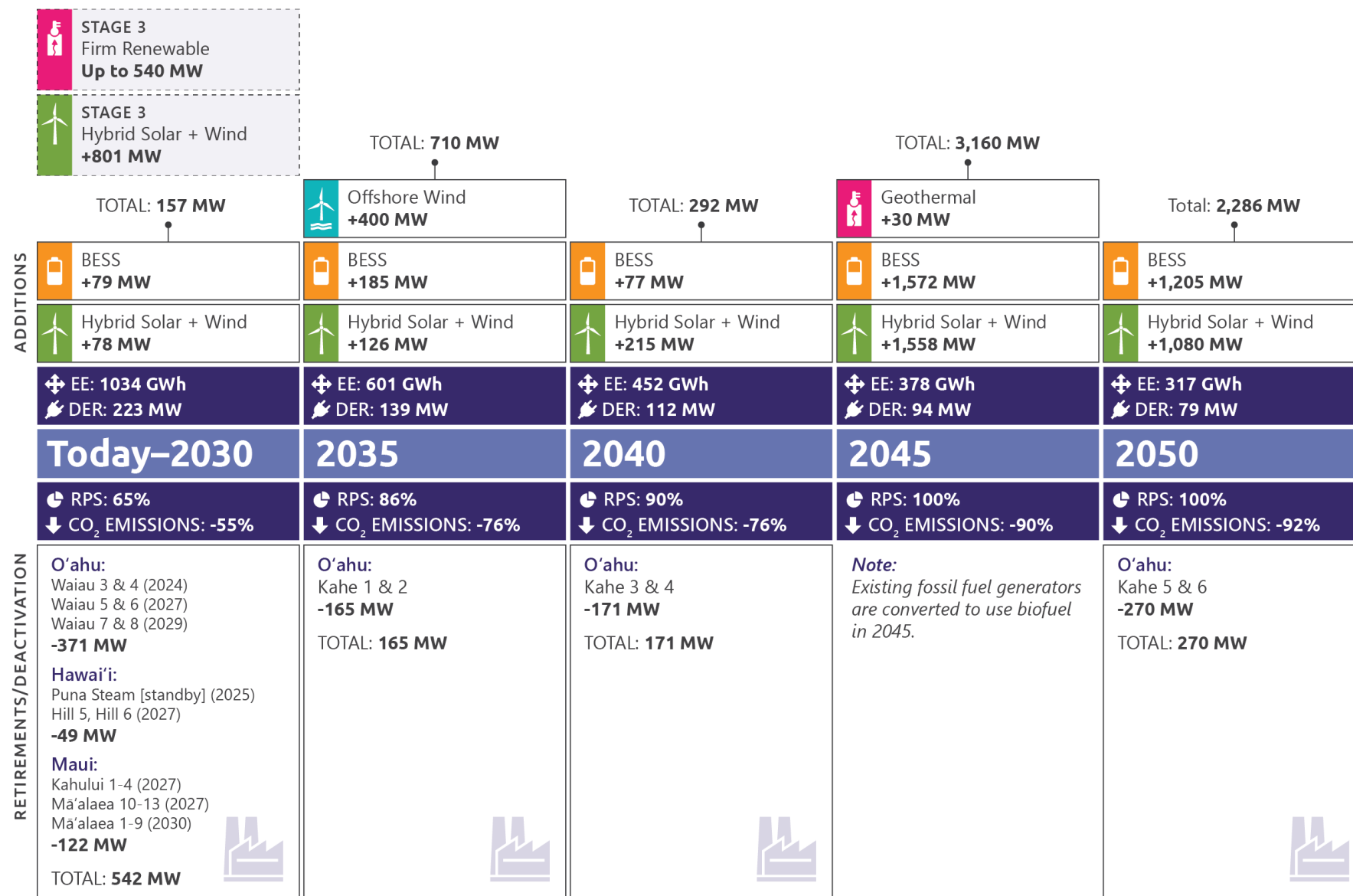
- Purpose of IGP Request for Proposals (“RFP”)
  - IGP Objectives and Grid Needs
- Proposed Changes from Stage 3 RFP
  - Incorporating stakeholder feedback
- Opportunities for continued engagement

# Planning for Future Grid Needs

- The RFP targets were informed by the preferred plans developed in the Integrated Grid Planning (“IGP”) process
- The targets reflect:
  - Actual projects acquired through the Stage 3 RFP
  - Projects that withdrew from prior RFPs that were assumed in the plans
  - Energy from facilities that have expiring contracts in the near future
  - Unmet targets from the Stage 3 RFP
- A separate RFP targeted for 2035 will seek long-term resources that require extended project development time or long-lead infrastructure to complete

# Proposed timeline

## Renewable additions





# RFP Targets Based on Grid Needs

	Project GCOD	Oahu	Hawaii Island	Maui
<b>Round 1</b>	No later than December 1, 2029	Energy: 589 GWh Stability: 270 MW grid forming resources	Energy:134 GWh	N/A
<b>Succeeding Round(s)</b>	No later than December 1, 2033	Energy: 232 GWh, plus remaining Round 1 needs, plus consideration for other projects withdrawn in previous procurements	TBD, based on remaining Round 1 needs plus consideration for other projects withdrawn in previous procurements	Energy: 176 GWh plus consideration for other projects withdrawn in previous procurements

Note: The targets specified here are not final and subject to revision. The targets are under continuing review and may be adjusted upward or downward and may include the addition of other needs.

# Proposed Updates

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Updates to  
Non-Price  
Criteria and  
Scoring

Accelerated  
Community  
Engagement

Increased  
Transparency

50% Price - 50%  
Non-Price ratio

Rolling  
Procurement

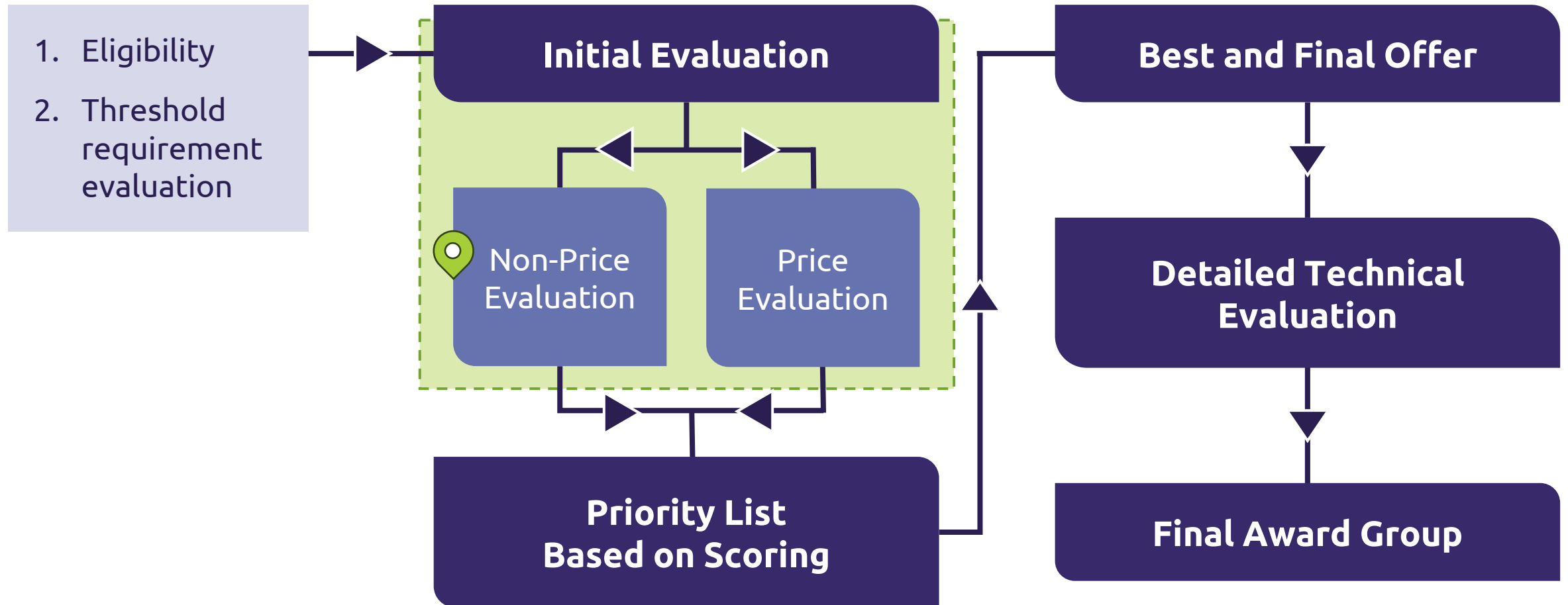
Pre-bid  
Developer  
Meetings

Structural and  
Wildfire  
Resilience  
Requirements

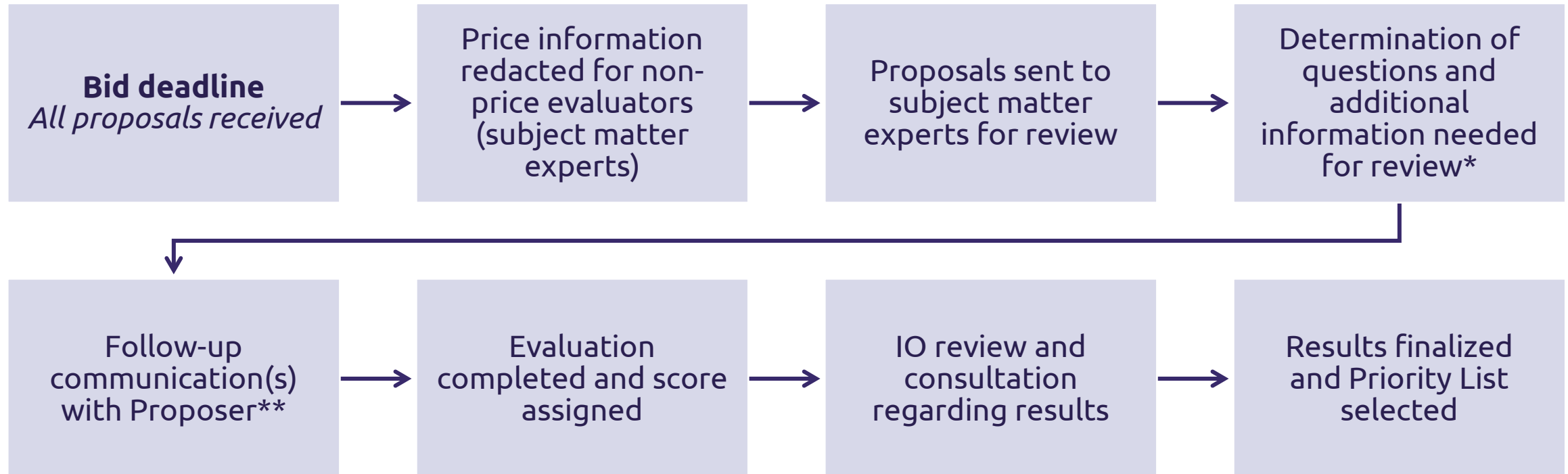
Interconnection  
Process  
Improvements



# Evaluation Process



# Non-Price Evaluation Process



*\*Based on SME feedback and in consultation with the Independent Observer; Independent Engineer consultation for matters related to interconnection*

*\*\*Proposer opportunity to provide clarification within prescribed time*

Threshold Requirements	
Stage 3	IGP RFP
Site Control	Site Control
Performance Standards	Technical and Operational Requirements
Proven Technology	Proven Technology
Experience of the Proposer	Experience of the Proposer
Financial Compliance	Financial Compliance
Community Engagement	Community Engagement
Cultural Resource Impacts	Cultural Resource Impacts
Available MW Capacity	Available MW Capacity
Technical Model	Technical Model
Stage of Project Development and Schedule and Permitting	Project Development and Schedule
	Environmental Compliance and Permitting Plan*
	Financial Strength and Financing Plan*

\* Formerly non-price criteria

## NON-PRICE CRITERIA

Stage 3	IGP RFP
Community outreach	Community engagement
State of project development and schedule and Permitting	Project development and schedule
Performance Standards	Technical and Operational Requirements
Experience and qualifications	Experience and qualifications
Environmental compliance and permitting plan	<del>Environmental compliance and permitting plan</del>
Financial strength and financing plan	<del>Financial strength and financing plan</del>
Proposed contract modifications	Proposed contract modifications
Cultural resource impacts	Cultural resource impacts
Carbon emissions	Carbon emissions
Technical model	<del>Technical model</del>
Land use and impervious cover	<del>Land use and impervious cover</del>
	Community Benefits Program

# Community Engagement Plan Requirements



Project  
description



Community  
scoping



Project benefits



Government  
approvals



Development  
process



Community  
benefits package



Communications  
plan



Contractually  
required in Section  
29.21 of the PPA



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# Community Benefits Package



## Introduced in Stage 3

- Part of the Community Outreach non-price criteria
- Based on feedback from Community Outreach meetings on Oahu

## At least \$3,000 per MW per year

- Details to include other community benefits Proposer intends to provide
- Preference given to Proposers that commit to setting aside a larger amount or commit to providing other benefits

## Documented CBP highlighting distribution of funds

- Actions and/or programs aimed at addressing specific needs identified by the host community
- OR to a 501(c)(3) not-for-profit community-based organization(s) to directly address host community-identified needs

🚩 **NOTE:** Details reflect previous RFP requirements and may not be identical in future RFPs.

# Opportunities for Public Engagement

## RFP Development & Procurement

- **Pre-draft filing Hawaiian Electric community meetings**
- **Pre-draft filing public review of draft RFP**
- **Pre-selection developer-led community meetings\***
- Submit written comments to PUC or Company

## Prior to Signing Contract

- Required public meeting by developer
- Submit Written Comments to Developer/Company

## PUC Approval Process

- Submit Written Comments to PUC

## Post-PUC Approval Process

- Potential permitting approval processes

\* Within thirty (30) days after the Proposal Due Date, each Proposer shall hold a public meeting to obtain community feedback on their proposed Project. The resulting feedback will be considered part of the Proposer's Proposal and included in the evaluation of the Community Engagement non-price criterion.



# Additional Criteria

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- New category of criteria evaluating factors that may inform the likelihood of a project's success
- Points will be awarded to or deducted from the Proposer's total price/non-price score
- Previous Performance Criteria
  - Introduced in Stage 3 as a non-price criteria
  - Criteria streamlined and moved to Additional Criteria
- Two (2) new non-price criteria: Community Co-Creation and Project Siting

# New Criteria: Community Co-Creation

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- Pilot criterion for developer/community driven co-creation
- Proposal may receive additional points to its total price/non-price score
- Gives preference to Proposers that commit to piloting the concept of community co-creation by working with organizations and leaders in host communities to engage in project development, including community benefits.

# New Criteria: Project Siting

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- Pilot criterion based on Project Siting—this is a 2-part criterion that looks at location and land use
- Proposal may receive additional points to its total price/non-price score
- Points awarded for:
  - 1. Projects sited in a preferred Renewable Energy Zone (“REZ”), and
  - 2. Site’s land use classification and project’s impact to impervious cover
    - Transforms the CBRE/Stage 3 Land Use and Impervious Cover non-price criteria

# Balancing multiple considerations

**We're considering many factors to determine where to locate future energy projects, including:**

- Renewable energy zones
- Community identified opportunities and sensitivities
- Transmission lines
- Substation locations and connections
- Solar potential land area
- Wind potential land area
- Land RFI preliminary results
- IGP Developer RFI inputs
- Fire risk ratings

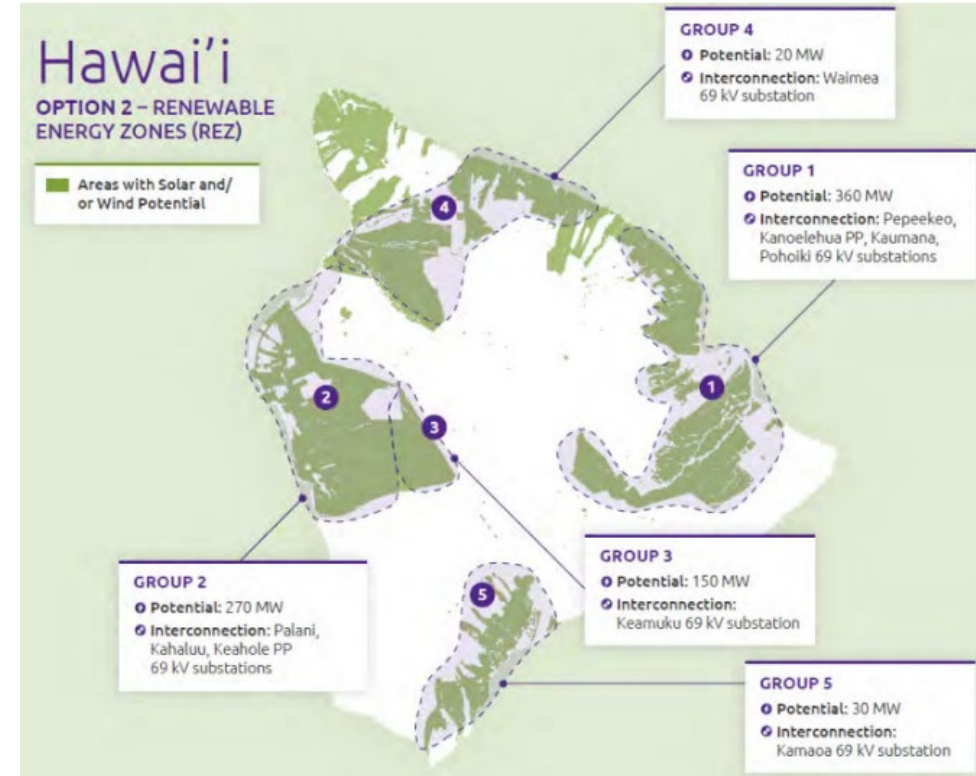
## **Renewable energy zones (REZ)**

REZ are areas with the right technical conditions for renewable energy projects and interconnection infrastructure.



# Integrating community feedback

We consider public input and technical studies to prioritize REZ for future energy projects.



We are prioritizing developer proposals in renewable energy zones that align with community interest and opportunities identified in 2023:  
Zones 1, 2, 4, 6 and 7 on O'ahu and Zones 1 and 5 on Hawai'i

# Overall Proposed RFP Process Schedule


Milestone	Schedule Dates
Community Meeting	March 11, 2024
Developer Meeting	March 20, 2024
Draft RFP Filing Date	April 30, 2024*
Comments for Draft RFP Due Date	May 30, 2024
Technical Conference	July 16, 2024
Order to Issue Final RFP	August 16, 2024
Issue RFP	August 19, 2024
Preliminary Interconnection Report & Pre-Bid Meeting Request Due Date	[3 weeks after RFP issuance]
Pre-Bid Meetings Held	[11-14 weeks after RFP issuance] [November 4-22, 2024]
Hawaiian Electric and Affiliate Proposal Due Date	[22 weeks – 1 day after RFP issuance] January 16, 2025 at 2:00 pm HST
IPP Proposal Due Date	[22 weeks after RFP issuance] January 17, 2025 at 2:00 pm HST
Selection of Priority List	April 4, 2025
Hawaiian Electric and Affiliate BAFOs Due	April 11, 2025
IPP BAFOs Due	April 12, 2025
Selection of Final Award Group	July 26, 2025
IRS and Contract Negotiations Begin	August 02, 2025

\* This date and all subsequent dates in the proposed final schedule are dependent on any further guidance to be set by the PUC

# We want your comments

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## March – April 2024:

- Draft posted on [www.hawaiianelectric.com/competitivebidding](http://www.hawaiianelectric.com/competitivebidding)
- Comments requested by March 29, 2024
  - [renewableacquisition@hawaiianelectric.com](mailto:renewableacquisition@hawaiianelectric.com)
  - Community Input Survey:
    - Link: <https://form.jotform.com/240707069410148>
    - QR Code: 
- Draft RFP to be filed April 30, 2024



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# Mahalo for your time

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Questions?

## Learn More



[hawaiianelectric.com/competitivebidding](https://hawaiianelectric.com/competitivebidding)



[renewableacquisition@hawaiianelectric.com](mailto:renewableacquisition@hawaiianelectric.com)



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# Examples of Renewable Variable Generation



Solar



Wind



# Examples of Renewable Firm Generation



Biogas



Geothermal



Biomass



Biofuel



Hydrogen