



**REQUEST FOR INFORMATION
FOR
LONG-TERM RENEWABLE ENERGY
DEVELOPMENT**

ISLANDS OF O‘AHU, MAUI, HAWAI‘I

December 20, 2024



I. INTRODUCTION

Hawaiian Electric Company, Inc., Maui Electric Company, Ltd., and Hawai'i Electric Light Company, Inc. (collectively, "Hawaiian Electric" or "Company") are currently developing Long-Term Requests for Proposals ("Long-Term RFPs") that will aim to procure renewable energy¹ projects on or in the surrounding coasts of O'ahu, Maui, and Hawai'i Island. Specifically, Hawaiian Electric is seeking proposals for projects that require extended project development times or long-lead infrastructure implementation in order to reach commercial operations, which could take eight (8) to twelve (12) years.

To assist in the general development of the Long-Term RFPs, Hawaiian Electric is releasing this Long-Term Request for Information ("Long-Term RFI") to gather information from energy developers regarding potential projects that may be bid into the Long-Term RFPs. The information gathered from this Long-Term RFI will help Hawaiian Electric clarify the scope and requirements for the Long-Term RFPs including, but not limited to, identifying and selecting Renewable Energy Zones ("REZ") that may be considered for system infrastructure upgrades and/or expansion. As such, Hawaiian Electric highly encourages potential proposers to provide responses to this Long-Term RFI as information gathered from the responses may assist with the development of the Long-Term RFPs².

This Long-Term RFI will also assist Hawaiian Electric with addressing the State of Hawai'i Public Utilities Commission's ("Commission") recommendations set forth in Order No. 41022 issued on September 6, 2024 in Docket No. 2018-0165³ ("Order No. 41022"). In Order No. 41022, the Commission directed Hawaiian Electric to take concrete steps to implement the REZ concept. Hawaiian Electric hopes that responses to this Long-Term RFI will assist in identifying areas for potential selection as REZs to implement the measures directed by the Commission.

II. PURPOSE

The objective of this RFI is to gather information on potential projects from interested parties who are able to develop renewable energy projects on O'ahu, Maui and Hawai'i Island that require a longer development time frame. Generally, Hawaiian Electric seeks to obtain information that will allow it to:

¹ "Renewable Energy" means energy generated or produced by the resources identified in Hawaii Revised Statutes Section 269-91.

² The information obtained from responses may assist in the development of the Company's long term resource plans and the development and issuance of a future RFP to meet energy needs on the Islands of O'ahu, Maui, and Hawai'i Island under the State of Hawai'i Public Utilities Commission ("Commission") Framework for Competitive Bidding, the issuance of another RFP, or the issuance of an alternative means of procurement, subject to approval by the Commission. However, there is no assurance or certainty that Hawaiian Electric will issue an RFP or an alternative means of procurement, and the decision to do so shall be in the sole discretion of Hawaiian Electric. While Hawaiian Electric may collectively summarize the results of the RFI, individual responses will be held in confidence and will not be published, including in any future RFP issued by the Hawaiian Electric, without first receiving prior permission to do so from the respondent.

³ See Order No. 41022 *Providing Direction and Guidance on the Next Round of IGP*, issued on September 6, 2024 in Docket No. 2018-0165.page



- Determine the current state of advancement and development of long-term projects to incorporate any needed modifications to the Company’s procurements to account for the unique aspect of longer development times in future resource procurement.
- Better understand considerations that are required for potential developers to obtain project financing for projects requiring a longer development period, considering the possibility that power purchase agreements for such projects may not be executed in the same timeframe as previous procurements.
- Potentially identify and select REZ(s) based on information received from potential bidders to help expedite development of areas with a high potential to host renewable energy projects.

III. SUMMARY OF KEY DATES

- December 20, 2024 Hawaiian Electric issues RFI via its Competitive Bidding website
- March 20, 2025 Project Questionnaire due from Respondents
- March/April 2025 Follow-up with Respondents if needed

A tentative schedule for the Long-Term RFPs was included in the Company’s response letter to Order No. 41022 submitted to the Commission on September 30, 2024 in Docket Number 2018-0165.

Milestone	Est. Deadline
Publish Pre-Draft RFP Online	April 2025
Community Engagement Meeting(s)	June 2025
Developer Meeting(s)	June 2025
Deadline for Public Comments	June 2025
File First Draft RFP with PUC	July 2025
Order to Issue Final RFP	March 2026
GCOD	2038

Hawaiian Electric looks forward to receiving informative responses.



Project Questionnaire

Request for Information: Long-Term Renewable Energy Development for the Islands of O‘ahu, Maui, and Hawai‘i.

Please provide a high-level overview of a potential project that could be submitted in response to a Long-Term RFP issued in 2025. Responses should follow the format set forth below.

Note that this Long-Term RFP will seek projects that require extended project development times or long-lead infrastructure implementation in order to reach commercial operations, which is estimated to take eight (8) to twelve (12) years. Additionally, Hawaiian Electric would like feedback on where developers see opportunities to site potential projects, regardless of transmission capacity constraints (see Item 14 below).

Project Description

1. Technology:

- Project size (MW, and MWh for standalone BESS projects)
- Type of technology
- Description of the operations of the technology
- General response characteristics (e.g., inverter, synchronous, etc.)
- Commercial readiness of the technology including examples, if any, of projects with similar technologies already in commercial operations or in commercial development (further details to be provided below).
- Special conditions and other required conditions necessary for commercial operations, e.g., specific fuels, infrastructure, equipment, specific siting requirements, including a discussion on how such special conditions will be achieved and/or procured.

Enter information regarding the project size, technology type along with a description of operations, general response characteristics, commercial readiness of the technology, and any special conditions.

2. Finance:

- Indicative budgetary capital
- Variable and fixed operations and maintenance costs, etc.

To the extent known at this time, please enter information and details regarding indicative budgetary capital and variable & fixed operations & maintenance costs, etc.

3. Previous and/or Current Commercial Application Examples:

- Project size (MW)



- Location (City, State, Country)

Please identify any previous commercial applications of the proposed technology. Note that Hawaiian Electric is considering setting a requirement that the proposed technology of the project must have reached commercial operations in commercial applications (i.e., a power purchase agreement) at the greater of at least 5 MW (2.5 MW for Hawai'i Island or Maui) or at least 25% scale for the proposed facility.

4. Project Siting:

- Approximate square footage required or if a potential host site exists
 - Location of potential host site
- Any special siting requirements or required off-site infrastructure

Please detail the approximate square footage required for the project, including its interconnection facilities, or whether a potential host site for the project has been identified on the island of O'ahu, Maui, or Hawai'i.

If a potential host site has been identified, please provide the location as Hawaiian Electric will use the information for possible REZ identification and selection purposes. Also, please explain whether transmission infrastructure currently exists to serve the project, or whether additional transmission infrastructure is needed. Projects described in response to this RFI do not need to have sufficient transmission infrastructure in place today. For projects that currently lack sufficient transmission infrastructure, please detail the certainty of site control (or how it could be obtained) as well as community reception to the project.

5. Timeline for Completion:

- Expected timeline needed to reach commercial operations
- Include expected timelines of pre-development conditions that must be achieved before development can commence.

Please detail an expected timeline needed to develop such a project on the island of O'ahu, Maui, or Hawai'i.

6. Timing or Other Conditions/Constraints:

- Financing requirements and/or conditions:
 - Documents needed to help developers obtain project financing if PPA execution does not occur within the usual RFP timeframe (i.e. within a year of selection to the Final Award Group)
 - Any required Lender security during development
 - Any required Company commitments pre-PPA execution
- Special permitting requirements



- Any operational constraints after commercial operations is achieved
- Any special maintenance, overhaul or upgrades that would require extended outages during the term.

Please identify any other constraints, dependencies, or conditions that would affect the development of the project, including what developers would need (ex. Letter of Intent, Term Sheet) to help obtain project financing if PPA execution is not expected until a 2028-2029 timeframe.

7. Project Development Activities:

Describe any significant project development activities that are completed or in progress, including any community outreach, that demonstrate progress towards project completion.

8. RFP Language:

- Identify key modifications would need to be made to the IGP RFPs (e.g., technical or commercial terms, evaluation criteria, model PPA contracts) to enable the proposed technology or project to submit a proposal
- Contract structure and/or pricing term changes that would be helpful for a particular technology or project

Please refer to the most recent draft IGP RFP documents and identify key modifications that would need to be made to the IGP RFP (e.g., technical or commercial terms, evaluation criteria, model PPA contracts) to enable the project to submit a proposal, including any contract structure and pricing terms needed to proceed with the project.

9. Current Procurement Process:

- Identify current procurement process or regulatory barriers that would hinder the development of long-term projects

Please identify any barriers in the current procurement process or regulatory framework that would hinder the development of this project.

10. Risk Allocation:

- Identify all known risk factors associated with the proposed technology or project, including monetary, schedule, permitting, technology development and others which could affect the commercial viability of the project
- What potential shifts of risk allocation to the Company would be required and what would be the justification for Company and its customers to assume such risk?

Please provide suggestions for how risks of the proposed technology or project be allocated between the Company, customers, and developers.



11. Interconnection:

- Are there any interconnection requirements or needs for the proposed technology or project?

12. Community Engagement Activities:

- Community engagement activities to date regarding potential project(s) or new transmission infrastructure requirements
- Community reception of proposed content

Please provide a summary of community engagement activities that have been held for a potential project(s) or new infrastructure requirements, including community feedback from such activities.

13. Feedback on Order No. 41022

- Hawaiian Electric has been working on developing Renewable Energy Zones (“REZ”) which are areas identified with having the right technical conditions and land use priorities for future renewable energy projects. Hawaiian Electric also takes into account community feedback when identifying and selecting REZ for development.

In Order 41022, the Commission stated its view that Hawaiian Electric must take concrete steps to implement the REZ concept. It set forth the following three options Hawaiian Electric could utilize in order to expedite development of REZ (see pg. 30-32 of Order No. 41022)

- Running procurements for identified REZ
- Proposing self-build projects in identified REZ
- Seeking Commission approval to proactively build transmission and distribution facilities in identified REZ to accommodate future buildouts

Please provide feedback on the options set forth by the Commission for implementing REZ in the Long-Term RFPs and/or other RFPs.

14. Potential Site Opportunities:

Hawaiian Electric would like feedback on where developers see opportunities to site potential projects, regardless of transmission capacity constraints.

Such sites do not need to have sufficient transmission infrastructure in place today. For these types of potential project sites, please detail the potential certainty or impediments of site control (or how it could be obtained) as well as community reception to siting a particular project (solar, wind, etc.) at such site.



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15. Additional Information:

Please provide any additional relevant information regarding development of the project on the island of O‘ahu, Maui, or Hawai‘i.

16. Contact Information:

Enter any available contact information (Name, Phone Number, Email, Fax, Mailing Address)

Please send this completed questionnaire and any supporting documentation to renewableacquisition@hawaiianelectric.com by **March 20, 2025**.