

**REQUEST FOR INFORMATION
FOR
IGP FUTURE PROCUREMENT**

O'AHU, MAUI, & HAWAI'I ISLAND

June 16, 2023



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1) INTRODUCTION

As a part of Hawaiian Electric Company, Inc., Maui Electric Company, Limited, and Hawai'i Electric Light Company, Inc.'s (collectively, "Hawaiian Electric" or "Company") efforts to further Hawai'i's transition to clean energy and to reduce carbon emissions, the Company's Integrated Grid Plan has identified the need for a wide variety of generation and storage projects to swiftly decarbonize the electric grid and manage risks to affordability, resilience, and reliability.

The Integrated Grid Plan outlines the amount of renewable resources Hawaiian Electric will need to procure to meet these goals, including 70% decarbonization by 2030.

To create a viable energy marketplace, the Company will need to routinely conduct procurements and adjust program and pricing mechanisms, in a similar but more efficient manner to the procurement activities since 2017. Responses to this Request for Information ("RFI") will guide Hawaiian Electric's future resource planning and procurement for grid-scale renewable energy systems. Hawaiian Electric issues this RFI seeking information from energy developers that are capable of developing renewable energy¹ facilities on O'ahu, Maui, or Hawai'i Island that align with our goals, timeline, and commitment to communities. Specifically, Hawaiian Electric is seeking information regarding potential renewable energy or storage projects on O'ahu, Maui, or Hawai'i Island that could be submitted to an RFP in 2024.

Project developers are encouraged to submit comprehensive responses to this request. The information obtained from responses may assist in the development of the Company's drafting and issuance of a future RFP to meet energy needs on O'ahu, Maui, and Hawai'i Island under the State of Hawai'i Public Utilities Commission ("Commission") Revised Framework for Competitive Bidding,² or the issuance of an alternative means of procurement, subject to approval by the Commission. Information received

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

² Decision and Order No. 23121 in Docket No. 03-0372, issued on December 8, 2006, "Instituting a Proceeding to Investigate Competitive Bidding for New Generating Capacity in Hawaii."



through this RFI may be used by the Company in determining what area(s) should be focused on for future transmission or subtransmission upgrades, including new interconnection facilities. However, there is no assurance or certainty that Hawaiian Electric will issue an RFP or an alternative means of procurement, nor that the information received from this RFI will be used to make decisions on the Company's transmission or subtransmission system, 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.

2) PURPOSE

The objective of this RFI is to identify interested parties who are able to develop renewable energy projects on O'ahu, Maui, or Hawai'i Island by 2030, as well as projects that require a longer development time frame (with a delivery date beyond 2030).

Interested parties are encouraged to provide the following information in the form provided by July 28, 2023.

Development Questions:

- Address and TMK
- Approximate square footage required
- Technology
 - Project size (MW)
 - Interconnection Voltage (kV)
 - Type of technology
 - General response characteristics (e.g., inverter, synchronous, etc.)
 - Short term overcurrent capability (e.g., 5-10 seconds range)
 - Commercial readiness of the technology
- Previous or planned commercial application examples
 - Size of the Project (MW)
- Description of the operations of the technology
- Expected timeline needed to reach commercial operations
- Timing or other constraints
- Project development activities
- Additional information the respondent deems relevant
- Indicative capital, variable and fixed operating and maintenance costs for the proposed technology (indicative pricing will help with modeling)



3) INSTRUCTIONS TO INTERESTED PARTIES

Interested parties are asked to follow the instructions below in submitting the requested information:

- a) Submit Requested Information. Complete the Project Questionnaire (see Appendix A) and submit the information via the email address provided below. Hawaiian Electric welcomes all information that respondents are comfortable sharing. None of the fields in the questionnaire should be considered as required.

Email: With pdf file attachment(s) to renewableacquisition@hawaiianelectric.com

- b) Due Date. Please submit all information by **July 28, 2023**.
- c) Confidentiality. Clearly and specifically mark any information that the respondent requests be treated as confidential and not be disclosed outside of Hawaiian Electric and its employees, consultants, and representatives involved with the review of information received in response to this RFI. By responding to this RFI, the respondent agrees that Hawaiian Electric shall have the right to disclose information submitted as part of the RFI process or other related regulated process to the Commission and the State of Hawai'i Department of Commerce and Consumer Affairs, Division of Consumer Advocacy ("Consumer Advocate") and their respective staff and consultants, including information designated as confidential by the respondent, provided that such disclosure is made under a protective order entered in the docket or proceeding with respect to which the disclosure will be made or any general protective order entered by the Commission. Any statement of condition in any information that attempts to restrict Hawaiian Electric's rights under this section shall be void.
- d) Not a Request for Proposals. This RFI is being issued to inform future potential RFPs for renewable energy and storage projects on O'ahu, Maui and Hawai'i islands. This RFI is not an RFP related to a specific project or solicitation of development for a single project proposal. Neither this RFI nor the disclosure of the confidential information shall result in any obligation on the part of either Hawaiian Electric or respondents to this RFI to enter into any further agreement with the other with respect to the subject matter hereof, to purchase any products or services from the other, or to require Hawaiian Electric to disclose any particular information to any respondent. Nothing in this RFI shall imply any partnership or joint venture between Hawaiian Electric and any respondent or be construed as making either the agent of the other.
- e) Questions from Interested Parties. If an interested party needs additional information or clarification regarding any part of this RFI or the RFI process described in this document, it may submit questions in writing to renewableacquisition@hawaiianelectric.com.



4) SUMMARY OF KEY DATES

- June 16, 2022 Hawaiian Electric issues RFI via website
- July 28, 2023 Project Questionnaire due from Respondents

Hawaiian Electric looks forward to receiving informative responses.



APPENDIX A

Project Questionnaire

Please respond to the following questions if an RFP were to be issued in 2024 for projects to reach commercial operations by 2030, or projects that require a longer development time frame (with a delivery date beyond 2030):

Project Description

Project Siting:

Please identify the island(s) (O'ahu, Maui, or Hawai'i Island) that the potential project(s) are to be located and provide the address and TMK for the Project Site. Please also detail the approximate square footage required for the potential project, including its interconnection facilities.

Technology:

Enter information regarding the technology, special conditions, indicative budgetary capital, variable and fixed operations and maintenance costs etc.

Previous Commercial Application Examples:

Please identify any previous commercial applications of the proposed technology at a similar scale to what is being considered for Hawai'i.

Timeline for Completion:

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

Timing or Other Constraints:

Please identify any other constraints, dependencies, or conditions that would affect the development of the project, including any easements Hawaiian Electric would need to obtain for transmission line extensions to the potential project.

Project Development Activities:

Describe any project development activities, if any, including any community outreach.

RFP Language:

Please identify key modifications that would need to be made to future Hawaiian Electric RFPs (e.g., technical or commercial terms, evaluation criteria, model PPA contracts) to enable the potential project to submit a proposal, including any contract structure and pricing terms needed to proceed with the potential project.



Procurement Process:

- 1) Please identify any barriers in the current procurement process or regulatory framework that would hinder the development of this potential project, or to achieve the State's RPS and decarbonization goals.
- 2) Would routine (i.e., annual procurements) solicitations for renewable energy result in a more efficient and competitive process?
- 3) Should RFPs be designed to target specific regions on each island with adequate transmission?
- 4) Are there any other improvements to the procurement process that would reduce the total time to getting project in-service?
- 5) Would you be interested in Hawaiian Electric procuring sites and providing sites for project development in the RFP or do you prefer to locate and procure your own site?

Interconnection:

Please identify any unique interconnection needs for the proposed technology or project.

Expanded Transmission Capacity:

Would building transmission to areas that have no to limited transmission capacity unlock more potential for renewable energy projects? If so, please identify any locations that would benefit.

Solar and Wind Potential:

Please provide any feedback on the large-scale solar and wind energy potential assumed in Hawaiian Electric's IGP Report. These values, which are included in Section 6.9.2.2 of the IGP Report are as follows: Oahu – 3,810 MW PV & 256 MW Wind; Maui – 13,687 MW PV & 767 MW Wind; Hawai'i Island – 76,179 MW PV & 5,037 MW Wind. The associated study completed by NREL can be found at <https://www.hawaiianelectric.com/a/9390>.

Additional Information:

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

Contact Information:

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

Please send this completed questionnaire and any supporting documentation by **July 28, 2023**.

Email: With pdf file attachment(s) to renewableacquisition@hawaiianelectric.com