

Microgrid Services Tariff Phase 2: Technical Conference

Docket 2018-0163

January 28, 2022



**Hawaiian Electric
Maui Electric
Hawai'i Electric Light**

PUC Priority List – Response

- ◆ Microgrid Compensation and Grid Services
 - ◆ Harmonization with other programs' grid service mechanisms
 - ◆ Customers with existing DER/DR grid service agreements
 - ◆ Resilience services and compensation, including society and environmental value
- ◆ Utility Compensation (Equity Considerations for non-participants)
 - ◆ Standby charges, exit fees, and/or other charges
- ◆ Customer Protection and Related Considerations

MST Phase 1: Tariff Implementation

- ◆ May 27, 2021 - Rule 30 for all islands published on Hawaiian Electric website: <https://www.hawaiianelectric.com/billing-and-payment/rates-and-regulations>
- ◆ June-July 2021 – Company Tariff Implementation and Customer Interconnection Tool (CIT) planning
 - ◆ Determined internal roles & responsibilities
 - ◆ Reviewed with Key Account Managers to inform customers of tariff program
 - ◆ CIT enhancement to allow customers to indicate their application is a microgrid currently in progress, estimated launch in March 2022
- ◆ June 28, 2021 - press release: <https://www.hawaiianelectric.com/hawaii-microgrid-tariff-seen-as-model-for-other-states>
- ◆ August 5, 2021 - updated website: <https://www.hawaiianelectric.com/about-us/our-vision-and-commitment/resilience/microgrid-services-tariff>
 - ◆ Provided Mark Wong as email point of contact.
- ◆ Next Steps:
 - ◆ Focus on Equity, Vulnerable and Underserved Communities and Critical Infrastructure
 - ◆ Refer to California Microgrid Incentive Program
 - ◆ Increase Customer Awareness/Education on resiliency

MST Phase 1: Tariff Activity since May 27, 2021

◆ Hybrid Microgrid

◆ 0 received

- ◆ Initial inquiries received from UH Manoa in July to discuss how microgrids could be included in overall planning

◆ Customer Microgrid

◆ SIA: 0 received

◆ CSS/CGS+/NEM+/SME: 0 received

- ◆ Note: total of 2925 PV+BESS applications received since MST Phase 1
- ◆ Microgrid checkbox in CIT to be implemented in March 2022

Energy Transitions Initiative Partnership Project

Objective: Develop a map identifying potential locations to site hybrid microgrids. Map will consider technical, social, and resilience-related criteria to find highest potential for hybrid microgrid development. Map will be published publicly to raise awareness to customers and developers.

Completed

- ✓ **Feb 2021** – Application for technical assistance submitted to USDOE
- ✓ **April 2021** – Project 1 of 11 selected nationally by ETIPP team
- ✓ **May 2021** – Project Kickoff with ETIPP team - National Renewable Energy Lab (NREL), Sandia National Labs (SNL), Hawaii Natural Energy Institute (HNEI), Hawaiian Electric
- ✓ **May-Sept 2021** – Project Scoping
- ✓ **Sept 2021-Jan 2022** – Obtain Data

Next Steps

- July 2022** – Draft Map
- July-Dec 2022** – Community Engagement
- Dec 2022** – Final Map and Report

Criteria and Characteristics Under Consideration

