

Meeting Summary
Innovation Pilot Framework (IPF)
Quarterly Stakeholder Meeting – 4th Quarter 2022

Date: December 7, 2022

Location: Virtual – Microsoft Teams Meeting¹

[Meeting slide deck \(December 7, 2022\)](#)

Meeting Takeaways:

- Active IPF Pilot project updates
 - Charge Up eBus: Experiencing delays due to customer procurement of buses and longer build-out of buses due to supply chain issues that may push out implementation timeline.
 - Charge Up Commercial: Reviewing 21 complete applications. Program open to eligible fleets, multiple unit dwellings, and commercial sites for installation of Level 2 chargers up to 30 sites, over a 3-year period.
 - EV-J and EV-P Tariffs: No customers are currently enrolled under the tariffs as of 11/1/2022.
- Pending IPF Pilot projects (under review)
 - Data Analytics Clearinghouse (DACH): The Notice of Intent (“NOI”) along with IR responses are under review by the Commission. The NOI was filed on 10/26/2022.
- Pilot concept projects in the pipeline
 - EV Telematics Pilot Concept: Public stakeholder meetings held in August 2022. Plan to file the NOI with the Commission in January 2023.
 - Smart Electric Panel: In early development stage. The pilot would engage with residential customers and plans to carve out a portion of smart electric panels for Low-to-Moderate Income (LMI) customers. Stakeholder engagement is planned in early 2023 to better understand issues, support, and concerns. Project vetting in progress.
 - LMI: Hawaiian Electric is working to develop LMI programs and is exploring two LMI-based pilot concept pilot projects. More detailed information to be provided in future stakeholder meetings.
- Next quarterly IPF stakeholder meeting is scheduled for 3/8/2023.

Innovation Pilot Framework (General)

- The public website for the IPF is live and can be found on Hawaiian Electric’s IPF website at: hawaiianelectric.com/IPF. It will be updated with the latest information on:
 - IPF process and portfolio, including the Areas of Collaboration that will guide the development of potential pilot projects
 - View approved and upcoming pilot projects with links to Commission’s Decision and Orders and Hawaiian Electric’s NOI, responses to IRs, and slide decks for pilot projects
 - Presentation slides from public stakeholder meetings
 - IPF Annual Reports
 - Instructions on how to submit a project proposal for consideration under the IPF

¹ Meeting notes reflect use of Chatham House Rule

Status of Active Pilot Portfolio Projects

Update on Charge Up eBus Pilot

- 3 applications received, 1 withdrawn, 2 remaining.
- Coming out of the pandemic, the number of bus operators ready to procure eBuses in 2022 is below expectations. Experiencing delays due to customer procurement of buses and longer build-out of buses due to supply chain issues.
- Discussion related to Charge Up eBus Pilot.

Discussion and Q&A

- More customer flexibility required to enable more participants and streamline the process:
 - Flexibility in the standard participant agreement is needed especially when working with county agencies since modifications may be required to meet their requirements and take longer for execution.
 - Expand eligibility and increase rate options to include new EV-J and EV-P tariff rates.
 - Bus operators need more charging ports per site. Hawaiian Electric increased number of ports from 2 to 4 per site.
 - Reduced the data collection requirements from 10 to 5 years to reduce customer burden and costs to maintain.

Update on Charge Up Commercial Pilot

- 21 applications received year to date, 10 applications completed with 44 anticipated number of charging ports for this 3-year pilot.
- After outreach and education, Hawaiian Electric filed with the Commission the Final Program Design Report on 9/23/2022.
- Discussion related to Charge Up Commercial Pilot and Charge Up eBus Pilot.

Discussion and Q&A

- Learning from eBus pilot and being more flexible to allow more applicants and streamlining the process, as described above under the eBus pilot.

Update on EV-J and EV-P Tariff Pilot

- No customers were enrolled under the Tariff Pilot as of 11/1/2022.
- Pilot expanded to Molokai and Lanai on 6/30/2022. Originally scoped to include Oahu, Maui, and Hawaii Island.
- Available to maximum of 1,000 and 500 customers for EV-J and EV-P, respectively.
- Largest savings are expected from reduced demand charges.
- Will continue to outreach and educate customers, including existing EV-F customers to transition over to EV-J or EV-P.
- Discussion related to EV-J and EV-P Tariff rates.

Discussion and Q&A

- The impact of the recent Commission order on EV Tariff pilot is undetermined. All existing pilot customers have been advised (action by customers required). In process of converting but Hawaiian Electric will continue to communicate outwards.
- Action for follow-up: Provide the Commission with total number of customers on Schedule J and Schedule P.

Status of Pending Pilot Portfolio Projects

Update on Data Analytics Clearinghouse (DACH) Pilot

- NOI was filed with the Commission on 10/26/2022. IR responses are under review by the Commission.
- No discussion related to the DACH pilot.

Early Pilot Concept Projects

Update on EV Telematics Pilot Concept

- Overview of early concept for EV Telematic Pilot. The pilot's goal is to understand where and who is charging and to better understand customer charging behavior.
- Negotiating cost share investment with a local investor to increase participant incentives from \$100 to \$150/driver.
- Finalizing NOI and expect to file with Commission in mid-January for approval.
- Hawaiian Electric strives to understand what stakeholders want and plans to form an EV Telematics working group. Stakeholders are asked to advise Hawaiian Electric of their interest to participate.
- No discussion related to EV Telematics Pilot Concept.

Smart Electric Panel

- In early development stage. Pilot would help engage with customers to determine if there is a demand for smart electric panels.
- Plan to carve out a portion of the smart electric panels for LMI customers.
- More detailed information on pilot project will be shared with, and feedback will be sought from, stakeholders at future IPF stakeholder meetings in 2023.
- No discussion related to Smart Electric Panel early pilot concept
 - Potential Pilot project partner has existing relationships with LMI community to help work through installation challenges, help with educational efforts, develop local workforce, and manage costs.

Support for LMI Customers

- Provided overview of Hawaiian Electric's commitment to develop and establish LMI programs by exploring two LMI-based pilots:
 - Develop a portal to help LMI customers easily access utility assistance. LMI programs for electric utility customers are needed.
 - Customers can voluntarily round up their electric bills to the nearest dollar. The rounded-up amount will go towards donation sharing to help eligible LMI customers.
- Hawaiian Electric is working to form a LMI working group. Stakeholders should contact Hawaiian Electric if interested in joining the working group.
- Shifted Energy provided their experiences in working with LMI communities and customers.
 - Need to go into communities and build their trust. Once trust built, you can implement programs to help.
 - Need a community-based approach to enable an opportunity to customer education and training.
 - Provided project information on their grid-connected heat pump water heater program at Waimanalo Homestead.