

**Meeting Summary**  
**Innovation Pilot Framework (IPF)**  
**Quarterly Stakeholder Meeting – 1<sup>st</sup> Quarter 2023**

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Date: March 8, 2023

Location: Virtual – Microsoft Teams Meeting<sup>1</sup>

[Meeting slide deck \(March 8, 2023\)](#)

**Meeting Takeaways**

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- Active IPF Pilot project updates
  - Charge Up eBus: Hawaiian Electric requested a No Cost Extension (NCE) to the Commission, extending project to the end of 2025, due to delays in customer procurement and long lead-times for delivery of buses and charging equipment. Request was submitted as part of the annual pilot update report.
  - Charge Up Commercial: Hawaiian Electric received 50 applications and is on track to meet the goal of executing 20 by Aug 2023. Extended outreach to customers and government agencies to reach more applicants, ease application, and streamline review process.
  - EV-J and EV-P Tariffs: On track with additional installations expected to be in service in 2023.
  - Data Analytics Clearinghouse (DACH): Project is on track with contract negotiations completed with vendor in February. Commission approved NOI on 12/8/2022.
- Pending IPF Pilot projects (under review)
  - EV Telematics Pilot Concept: NOI filed on 2/6/2023 and under review by the Commission.
- Pilot concept projects in the pipeline
  - Smart Electric Panel: Stakeholder engagement and project vetting in progress.
  - Low-to-Moderate Income (LMI) customer-focused pilots: No change. More to be presented a next quarterly meeting.
- Next quarterly IPF stakeholder meeting is scheduled for 6/7/2023.

**Innovation Pilot Framework (General)**

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- The following information on the IPF can be found on Hawaiian Electric’s IPF website at: [hawaiianelectric.com/IPF](http://hawaiianelectric.com/IPF).
  - 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 PUC’s Decision and Orders and Hawaiian Electric’s Notice of Intent (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

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<sup>1</sup> Meeting notes reflect use of Chatham House Rule.

## Status of Active Pilot Portfolio Projects

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### Update on Charge Up Pilots

- Overview and status update provided for Charge Up eBus and Charge Up Commercial Pilots.
- Discussion related to Charge Up Commercial Pilot and Charge Up eBus Pilot.

#### Discussion and Q&A

- Charge Up Commercial Pilot participants have a range of objectives in terms of the scope of their electrification projects. Hawaiian Electric sought to balance the needs of pilot participants in the Charge Up Commercial Pilot and to enable a Charge Up Pilot that was of sufficient size and scope while ensuring sufficient funds remained available to support other pilots.
- Various factors have impacted the enrollment in the pilots including impacts of pandemic on tourism and customer plans to secure external funding. Explanation generally revolved around 'Observations & Lessons Learned' related to the factors impacting enrollment for the Charge Up eBus in the IPF Portfolio Update (linked above) and current uncertainty on which applicants will ultimately select to participate in the Charge Up Commercial pilot and proceed with executing a participation agreement.
- Information on issues and diversity in customer classes will be tracked and reported.
- Hawaiian Electric is continuing its efforts to enroll participants in its Charge Up pilots.

### EV-J and EV-P Tariff Pilot

- Project update and status overview of EV-J and EV-P Tariff Pilot.
- Discussion related to EV-J and EV-P Tariff Pilot.

#### Discussion and Q&A

- EV-J and EV-P Tariff Pilots have specific enrollment caps. Modifications are not being proposed at this time.
- Evaluation will be undertaken to understand whether customers are facing hurdles to enrolling in the tariffs and adjustments will be made if deemed necessary.

### Data Analytics Clearinghouse (DACH) Pilot

- Project update provided for Data Analytics Clearinghouse.
- No subsequent discussion.

### EV Telematics Pilot Concept

- Overview of the concept for the filed NOI on EV Telematics Pilot was presented.
- Discussion related to EV Telematics Pilot Concept.

#### Discussion and Q&A

- Confirmed there is no special treatment provided to the supporting partners of the pilot. Supporting partners will not have any special access privileges to pilot data.

## Early Pilot Concept Projects

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### Smart Electric Panel

- Overview of early concept for Smart Electric Panel Pilot.
- Discussion related to Smart Electric Panel Early Pilot Concept.

### Discussion and Q&A

- Technology to be used in the pilot gathers detailed energy usage data which can be used to identify certain discretionary loads that would be better served by other programs.
- Development of the pilot concept is proceeding but there is uncertainty as to whether and to what extent the timing will align to leverage existing rebates with other energy-related equipment.
- There are advantages to have a single device to capture data from a cost-effectiveness standpoint than multiple devices.
- At this time, there is not an immediate goal to enable utility control of loads under this pilot. If the device is used to control customer usage in the future, there will be a need for customer education and feedback.
- Suggestion that Hawaiian Electric consider evaluating alternative technologies to best meet customer needs. There may be lower-cost energy monitoring devices depending on the purpose of the technologies. Pilot could potentially evaluate multiple devices for control.
- Customers have information of their PV system production depending on how it is measured. Using this device together with the appropriate calculation to determine the amount of PV generation that is applied to load would be considered as part of this pilot.
- Upgrades and home repairs at customer sites to enable safe installation of smart panel will be assessed as part of the pilot.
- Company has been in discussions with potential project partners who have existing relationships with LMI communities to help work through installation challenges, help with education and outreach efforts, and manage costs.

### **Support for LMI Customers**

- Overview of two early-stage example pilot concepts
- No subsequent discussion.
- More information will be available at next IPF quarterly meeting.