

# **Microgrid Services Tariff Phase 2: Working Group High-Level Work Plan**

**Docket 2018-0163**

April 29, 2022



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

# Working Group Participants

## ◆ Co-Chairs

- ◆ Christyn Senda, Hawaiian Electric
- ◆ Marcey Chang, Consumer Advocate

## ◆ Responsibilities

- ◆ Coordinating the Working Group's activities
- ◆ Manage Working Group Meetings

## ◆ Working Group Members

- ◆ Gerald Sumida, Ulupono Initiative
- ◆ Chris Debone, Distributed Energy Resources Council of Hawaii (Declined)
- ◆ Baird Brown, Microgrid Resources Coalition (TBD)
- ◆ Will Rolston, Energy Island (TBD)
- ◆ External members from PG&E and SEPA (TBD)
- ◆ Additional Hawaiian Electric SMEs

# Objectives

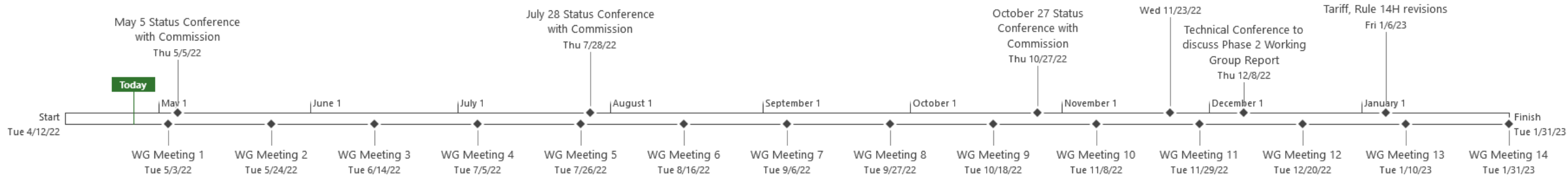
## PUC Phase 2 Objectives:

1. Continue development of the Tariff
  - ◆ Promote self-sufficiency and resiliency among microgrid project operators
  - ◆ Streamline MST
2. Enhance Tariff to support broader use of microgrids in non-emergency situations
  - ◆ At minimum, enable voluntary islanding
3. Further explore opportunities to support resilience through microgrid development
  - ◆ Encourage development of microgrids that can provide power to remote communities and critical facilities such as schools, shelters, and hospitals
4. Identify grid services that can be provided by microgrids
  - ◆ Explore ways related exchanges between the utilities and microgrid operators could happen

## Working Group Objectives:

1. Coordinate with other dockets
2. Develop a framework to achieve resiliency
  - ◆ Microgrids and/or other tools/programs
  - ◆ “Low-hanging” fruit, where microgrids can be optimized and cost-effectively implemented
3. Keep costs to all customers in mind (cost equity)
4. Focus on resiliency
5. Development of grid services

# Expected Meeting Schedule

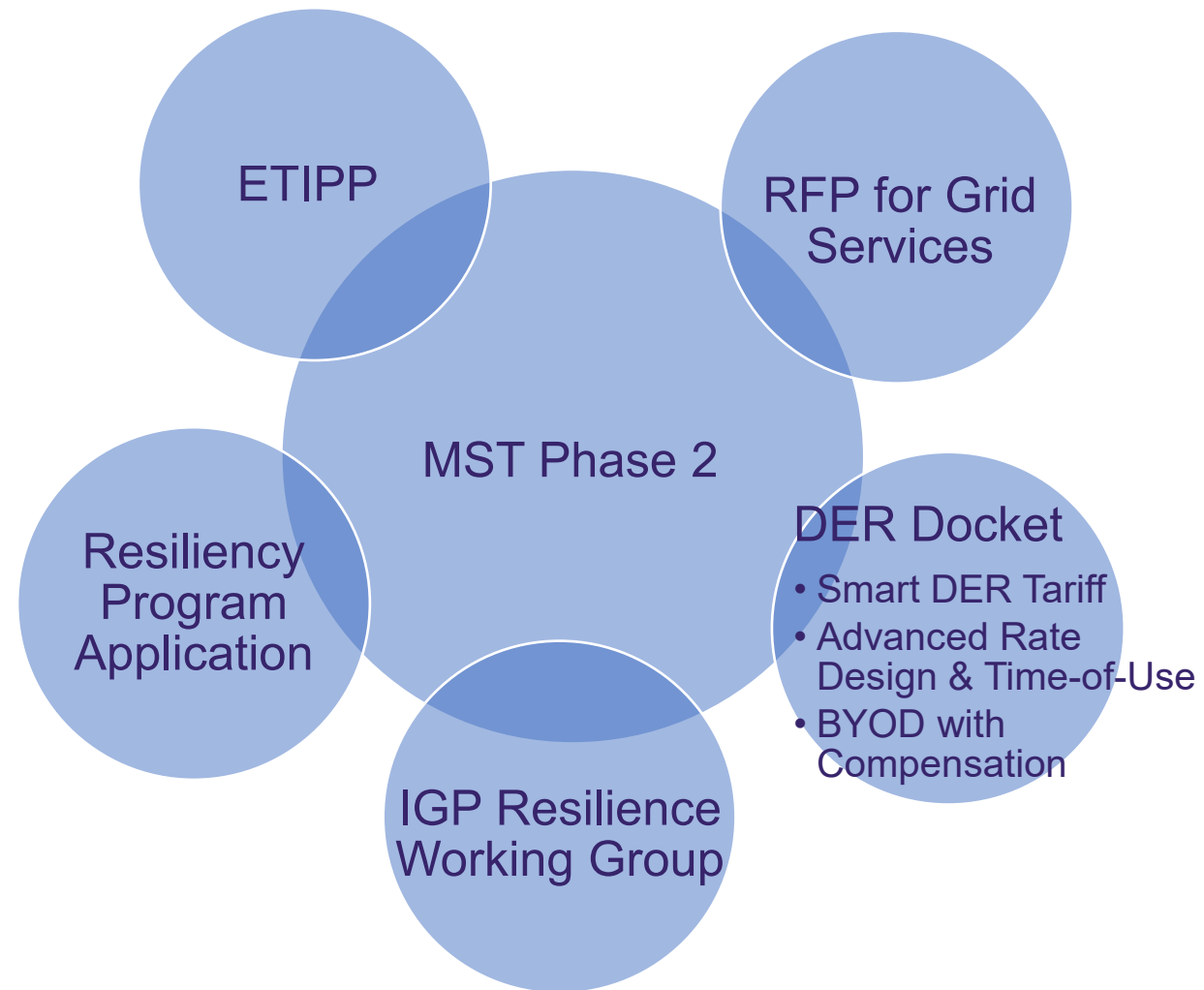


- ◆ Meeting every three weeks
  - ◆ Adjust as necessary

- ◆ Utilize Parking Lot to keep discussions on schedule

- ◆ Hawaiian Electric will manage meeting agendas and minutes

# Coordination with Other Dockets



# Phase 2 Priority Topics [For WG Discussion]

## 1. Microgrid Compensation and Grid Services

- a. Harmonization with other programs' grid services mechanisms
- b. Customers with existing DER/DR grid service agreements
- c. Resilience services and compensation, including societal and environmental value, to inform development of a resilience tariff

## 2. Utility Compensation

- a. Standby charges, exit fees, and/or other charges

## 3. Customer Protection and Related Considerations

## 4. Interconnection

## 5. Working group coordination with related microgrid and resilience initiatives at Hawaiian Electric and government agencies

- a. Identifying critical facilities
- b. Identifying a variety of funding mechanisms for microgrid development. Including possible state and federal funds that can be leveraged to support pilots and/or demonstration projects
- c. Identifying community needs
- d. Better understanding barriers to microgrid development (e.g., economic, project opportunities, technical expertise) and what would make the microgrid tariff more attractive for developers
- e. Customer education and outreach

# May 5 Status Conference

1. Working Group Participants
2. Working Group Objectives
3. Format of Working Group
  - ◆ Participant Responsibilities
  - ◆ Frequency of Meetings
4. Confirm Schedule and Workplan for Working Group Topics
  - ◆ Potentially group topics by behind the meter, hybrid or remote microgrids
  - ◆ Align logical sequence into workplan
5. Coordination with Outside Expertise