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# Microgrid Services Tariff Working Group

February 27, 2020

# Working Group Background

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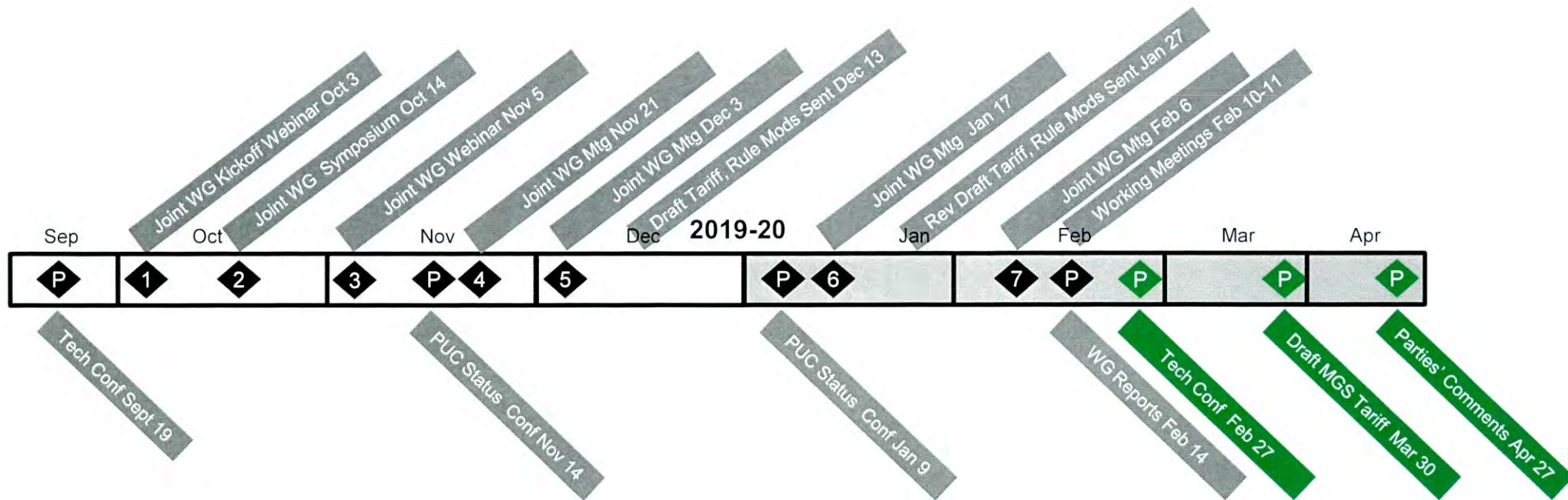
| Date               | Action                            | Comments  |
|--------------------|-----------------------------------|---|
| August 20, 2019    | PUC Order No. 36481 Issued        |   |
| September 12, 2019 | Procedural Order No. 36514 Issued |   |
| September 19, 2019 | PUC Tech Conf                     | <ul style="list-style-type: none"> <li>• Provided guidance on priorities, expectations, and schedule for WGs</li> </ul>   |
| October 3, 2019    | MST WG Webinar Kickoff            | <ul style="list-style-type: none"> <li>• Formation of WG, WG Leads</li> <li>• Review of MST Objectives</li> <li>• Proposed Framework/Timeline</li> </ul>  |
| October 14, 2019   | MST WG Symposium                  | <ul style="list-style-type: none"> <li>• Insights from Illinois and DC</li> <li>• Proposed MG Architectures, Framework</li> <li>• Re-assessment of Microgrid Types and Framework required</li> </ul>  |
| November 5, 2019   | MST WG Webinar                    | <ul style="list-style-type: none"> <li>• Customer and Hybrid Microgrids defined and accepted as architectures to address WG in agreement on topics to address for Customer MGs (Nov. 21)</li> </ul>   |
| November 21, 2019  | MST Working Group Meeting         | <ul style="list-style-type: none"> <li>• Guidance on Resiliency</li> <li>• Focus on Customer MGs</li> </ul>   |
| December 3, 2019   | MST Working Group Meeting         | <ul style="list-style-type: none"> <li>• Confirmed MG Definitions</li> <li>• Puerto Rico Update</li> <li>• Hybrid Microgrid Discussion</li> <li>• Proposed Hybrid Concept</li> <li>• WG Leads to provide draft documents for WG review</li> </ul> |

# Working Group Background

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| Date                 | Action                                    | Comments  |
|----------------------|---|---|
| December 13, 2019    | Drafts sent for review                    | <ul style="list-style-type: none"> <li>• Draft Microgrid Tariff</li> <li>• Revisions to Rule 14H</li> <li>• Revisions to Rule 24 (CGS Plus)</li> </ul>  |
| January 9, 2020      | PUC Status Update                         | <ul style="list-style-type: none"> <li>• WG requested guidance on various issues</li> </ul>   |
| January 17, 2020     | MST Working Group Meeting                 | <ul style="list-style-type: none"> <li>• Working Group Member (Baird Brown, MRC) presented topics and concepts from an alternate tariff proposal.</li> <li>• Discussed the MRC proposal and proposed simplified hybrid concept.</li> </ul>  |
| January 27, 2020     | Revisions to draft tariff sent for review |   |
| February 6, 2020     | MST Working Group Meeting                 | <ul style="list-style-type: none"> <li>• Working Group discussed contents of the draft MGS tariff, and Rule 14H and 24 modifications.</li> <li>• Suggestion was to meet with a smaller team focused on working through the edits. Working Group asked for volunteers to participate in the follow up sessions.</li> </ul> |
| February 10-11, 2020 | Working Meetings                          | <ul style="list-style-type: none"> <li>• Subset of Working Group members convened and worked on the draft Microgrid Services Tariff, Rule 14H, and Rule 24.</li> <li>• Documents developed in these meetings are included in the Report.</li> </ul>   |

# Timeline for MGS Tariff WGs



# Proposed Next Steps

- ◆ Hawaiian Electric to work on draft Tariff and modifications to existing Tariff Rules, incorporating guidance
  - Hybrid MG Application
  - Hybrid MG Interconnection Agreement
  - Hybrid MG Operating Agreement
  - Hybrid MG Disclosure Checklist
  - Hybrid MG Participant Agreement
- ◆ **3/20/20:** Draft Tariff to WG Members for Comment
- ◆ **Week of 3/23/20:** Working Group Meeting to discuss
- ◆ **3/30/20:** Hawaiian Electric files Draft Tariff

## Clarifications

Hawaiian Electric:

- ◆ RPS Law and Potential for future requirements
  - Fossil generation in Grid-Connected or Island Mode
    - May hinder ability to achieve RPS