

Microgrid Services Tariff Technical Conference Docket No. 2018-0163

November 30, 2020



Agenda

- Welcome
- Introduction / Purpose of Meeting
- Discussion
 - Draft Microgrid Tariff
 - Draft Interconnection Agreement for Hybrid Microgrids (Appendix II)
 - Revisions to Rule 24 and Other Existing DER Programs for Customer and Hybrid Microgrids
- Next Steps & Close



Discussion of Draft Tariff



Draft Microgrid Tariff – topics for discussion

- Redlines have been released for the Parties' review.
- Today's technical conference will focus on key issue areas as follows:
 1. Interconnection Agreement for Customer Microgrids (see Tariff A)
 2. Definition of the Customer (see Tariff A.1.g and E.1.a)
 3. Applicability of Other Tariffs (see Tariff B.3)
 4. Indemnification (see Tariff C.1-2)
 5. Data Set Satisfaction Prior to Feasibility Study (see Tariff D.3.b)
 6. Hybrid Microgrid Compensation (see Tariff E.2)
 7. Hybrid Microgrid Application (see Tariff G)
 8. Rated Capacity and Program/Project caps (see Tariff D.2, I.2, and H.3.a.i)
 9. Anti-islanding (see Tariff H.3.para4)



Interconnection Agreement for Customer Microgrids

Tariff Section A

- Do the Parties believe that Interconnection Agreements for Customer Microgrids are not needed (i.e., Interconnection Agreements used for DER programs are sufficiently streamlined and standardized to enable Customer Microgrids)?



Definition of the Customer

Tariff Section A.1.g

- Why did MRC believe further edits were needed for the definition of customer to allow a Microgrid Operator to be considered as a customer?
- How would the proposed change by MRC work if multiple customers were associated with the same utility account (sub-meter)?

Tariff Section E.1.a

- What happens if the Customer has a third-party contract with the Microgrid Operator, who acts as an agent on the Customer's behalf? Would this arrangement be similar to a typical Customer-DER installer relationship?



Applicability of Other Tariffs

Tariff Section B.3

- Why did MRC include the added language to this subsection on Hawaiian Electric Rule applicability?
- Can this language be rephrased to be clearer?



Indemnification

Tariff Section C.1-2

- Should section C, subsection 1 and 2 on indemnification language, be included in the Tariff?
- Or, should such language be limited to the Interconnection Agreement along with the Limitation of Liability sections?



Data Set Satisfaction Prior to Feasibility Study

Tariff Section D.3.b

- Regarding the requirement by Hawaiian Electric that the data set sent to Hawaiian Electric must meet its satisfaction, if the information needs are standardized, why would Hawaiian Electric need to declare satisfaction of the data?
- Has this been a problem elsewhere, either in other programs or jurisdictions?
- Can Hawaiian Electric resolve this uncertainty with a listing of standardized data in this requirement?



Hybrid Microgrid Compensation

Tariff Section E.2

- In regard to the current billing and compensation mechanism for Hybrid Microgrids, what other arrangements should be explored?
- Could a leasing model of Hawaiian Electric assets be accommodated?



Hybrid Microgrid Application

Tariff Section G

- With respect to the interconnection queue, is this intended to be a separate queue for microgrids, or is this referring to the queue for all systems interconnecting to the distribution system?



Rated Capacity and Program / Project Caps

Tariff Sections D.2, I.2, and H.3.a.i

- What is the basis for both the Microgrid Tariff Project and Program caps?
- What is the “rated power” reference in relation to Customer Microgrids?
 - Does this include energy storage systems?
 - If so, why should BESS be included in how rated power is determined?



Anti-Islanding

Tariff Section H.3 paragraph 4

- Regarding the language proposed by Hawaiian Electric for anti-islanding provisions, is the intent of this section to refer to the anti-islanding provisions in Rule 14H?
 - The current requirements in Rule 14H appear to prevent unintentional island, so is the language here creating an exception to allow for intentional islanding?
- Can Hawaiian Electric clarify what is meant by the anti-islanding conditions under (2), this language appears to be confusing?



Discussion of Draft Interconnection Agreement for Hybrid Microgrids (Appendix II)



Hybrid Microgrid Interconnection

- Commission acknowledges the specific provisions of the Interconnection Agreement were not discussed in the Working Group.
- It appears that the current draft is not sufficiently streamlined to meet the intent of Act 200.
- The Parties are requested to continue their collaborative efforts and revise the Appendix II Interconnection Agreement.
 - The Commission has inserted various edits and comments that should be addressed in the next draft Interconnection Agreement.
 - The intent is to have a revised version submitted for Commission review.



Discussion of Revisions to Rule 24 and Other Existing DER Programs for Customer and Hybrid Microgrids



Rule 24 and other DER Tariffs

- How do the Parties anticipate the revisions to Rule 24 will be incorporated into other DER Programs and tariffs?
 - Are there different revisions needed for Hybrid Microgrids versus Customer Microgrids?
 - Are embedded edits in individual DER Programs and tariffs sufficiently streamlined to allow for Customer Microgrids to operate?
- How will the embedded edits allow for Customer Microgrids to sign up and operate in relation to Act 200?
- The Parties are requested to provide revised versions of the DER tariffs for the Commission's review, along with any justification or comments.



Next Steps



Steps After the Technical Conference

- The Commission requests the Working Group collaborate to develop revisions to the Interconnection Agreement for Hybrid Microgrids
- Working Group discussions should also include needed revisions to DER tariffs.
- The Commission will consider the feedback provided today and provide further guidance following the Technical Conference.



Thank You



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