



Meeting Name	Date of Meeting
Microgrid Services Tariff Working Group Webinar	November 5, 2019

**Agenda**

<b>MGS Tariff Microgrid Type Definitions</b>	<ul style="list-style-type: none"> <li>• There was general WG concurrence for working definition proposed for “Customer Microgrid” subject to further refinement as needed that could be used to move forward with its tariff development.</li> <li>• Suggested edits to the “Hybrid Microgrids” definition are as follows:               <ul style="list-style-type: none"> <li>○ Change “3<sup>rd</sup> party microgrids act as a single...” to “Hybrid microgrids owned or operated by a 3<sup>rd</sup> party act as a single...”.</li> <li>○ Change “micro-control area” to “microgrid control area”.</li> <li>○ [Action Item] WG Leads to revise and resend.</li> </ul> </li> <li>• WG members requested more examples and diagrams to illustrate types of hybrid MG and why they are in/out of scope.               <ul style="list-style-type: none"> <li>○ [Action Item] WG Leads will incorporate into Nov. 21 presentation.</li> </ul> </li> <li>• Note that there is a potential for slight changes to the definitions due to legal review of language used.</li> <li>• Microgrid Types Out of Scope for MGS Tariff               <ul style="list-style-type: none"> <li>○ WG generally agreed, subject to future discussion in certain areas with what was presented as being out of scope (Utility Microgrid, Remote Microgrid, Virtual Microgrid)</li> <li>○ A question was raised on whether the following is in/out of scope:                   <ul style="list-style-type: none"> <li>▪ Neighboring customers develop a microgrid together, requiring a new line to connect their electrical systems. Is this allowable with current laws, franchise rights, etc.?</li> <li>▪ [Action Items] WG Leads will review and incorporate into examples and diagram of types of microgrids in/out of scope.</li> </ul> </li> </ul> </li> </ul>
<b>MGS WG Framework</b>	<ul style="list-style-type: none"> <li>• WG agreed to the approach presented (slide 8).               <ul style="list-style-type: none"> <li>○ November 21 WG mtg to focus on building tariff for Customer MGs. Hybrid MGs will be the focus for the December 3 WG.</li> </ul> </li> <li>• A request was made for lessons learned/presentations from Puerto Rico.               <ul style="list-style-type: none"> <li>○ [Action Item] WG member will provide to the team.</li> </ul> </li> <li>• WG Comments on MGS WG Organizing Framework (Slide 9)               <ul style="list-style-type: none"> <li>○ Additional discussion required on whether a new Tariff is required for Customer Microgrids. Several parties noted support for a new Tariff mapping to other existing tariffs.</li> <li>○ Definition of reliability service and resiliency service required.</li> <li>○ WG leads looking to WG members to propose definition and valuation of resilience services.</li> <li>○ [Action Item] Resiliency and Reliability work with DOE to be circulated.</li> </ul> </li> </ul>



<p><b>Next Steps</b></p>	<ul style="list-style-type: none"> <li>• Draft Agenda for Nov. 21 Meeting (Slide 10)             <ul style="list-style-type: none"> <li>○ WG members to let Ken know if interested in presenting on Nov. 21 or Dec. 3 WG meeting.</li> </ul> </li> <li>• Proposed Timeline for MST WGs (Slide 11)             <ul style="list-style-type: none"> <li>○ Work products planned to be emailed to WG members between December and February. Depending on progress made, additional webinars/WG meetings may also be scheduled in that time.</li> <li>○ WG members agreed with proposed approach.</li> </ul> </li> <li>• PUC Status Meeting Nov. 14 – Held at PUC Hearing Room</li> <li>• Nov. 21 WG Meeting – Plan to be held at PUC Hearing Room</li> <li>• [Update] Dec. 3 was selected for December WG meeting</li> </ul>
<p><b>Parking Lot Topics to Date (New Topics in Red)</b></p>	<ul style="list-style-type: none"> <li>• Change of ownership</li> <li>• Standby Charges</li> <li>• Customer protection-related considerations</li> <li>• Microgrid/IGP procurement considerations</li> <li>• Considerations of gaming between utility-owned and 3rd-party MGs</li> <li>• Army/Military MG issues such as WG will consider nested microgrids, if appropriate</li> <li>• Interactions with other dockets             <ul style="list-style-type: none"> <li>○ DER Tariff/Programs</li> <li>○ IGP Resiliency</li> </ul> </li> <li>• Consideration of societal, environmental value</li> <li>• Development of PPA model for hybrid MGs</li> <li>• <b>Other types of microgrids that don't fit Act 200 definition</b></li> <li>• <b>Puerto Rico microgrid ruling and related activity and relevance to Hawaii</b></li> </ul>

**Working Group Chairs:**

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**Attendees:**

Alan Hirayama, HE	Eaton O'Neill, HE	Olivia Simpson, HE
Alan Lee, HE	Ellen Nashiwa, Maui Electric	Paul De Martini, Newport Consulting
Andrew Barbeau, The Accelerate Group	Eric Kunisaki, HE	Peter Young, HE
Andrew Okabe, Hawaii PUC	Gerald Sumida, Calsmith Ball	Randall Shiro, HE
Ashley (Labasan) Agcaoili, Hawaii PUC	Jared Leader, SEPA	Rene Kamita, DCA

Baird Brown, eco(n)law LLC	Kandice Kubojiri, Hawaii Electric Light	Rick Pinkerton, HE
Brian Levite, S&C Electric	Ken Aramaki, HE	Riley Ceria, Hawaii Electric Light
Bryant Komo, Hawaii Electric Light	Leland Cockcroft, Hawaii Electric Light	Rod Aoki, RSA Law
Chris Lau, HE	Lisa Hiraoka, DCA	Steven Sano, HE
Darene Matsuoka, Cades Schutte	Liza Jang-Che, HE	Stewart Chong, HE
David Parsons, Hawaii PUC	Marc Asano	Tracie Black, HE
Dean Nishina, DCA	Marcey Chang, DCA	Will Rolston, Energy Island
Earlynn Maile, HE	Michael Schwing, Hawaii State Energy Office	