



Meeting Name	Date of Meeting
Microgrid Services Tariff Working Group Meeting	January 17, 2020

## Agenda

<b>Introduction / Jan. 9 PUC Status Update</b>	<ul style="list-style-type: none"> <li>WG Lead reviewed Slide 6-8. No comments or clarifications from WG members.</li> <li>WG member provided update on NELHA – Procurement completed, and should be able to present at a later date.</li> <li>WG member commented that MGs should not skirt RPS requirements under any circumstance.</li> <li>Slide 8 was added to summarize Commission’s letter sent on Jan. 16.</li> </ul>
<b>Presentation – Microgrid Resources Coalition, C. Baird Brown</b>	<ul style="list-style-type: none"> <li>Mr. Brown commented that Hybrid MGs type 1 &amp; 2 (Slide 23) are out of scope based on PUC’s Jan. 16 letter (retail wheeling in normal conditions is out of scope).</li> <li>Mr. Brown created and presented his transactional concept – customer microgrid with multiple customers behind the meter. WG leads to confirm this arrangement is included in the scope of the tariff.</li> <li>HECO to provide recommendation on whether size limitations are based on gross generator size or net export size.</li> <li>Mr. Brown commented that a hybrid MG operator would be better equipped to actively manage the generation and load within the boundaries of the MG during emergency and normal modes.</li> <li>WG members discussed who and how the MG should be switched between grid-connected and island modes.</li> </ul>
<b>Hybrid Microgrid – Simplified Tariff Concept</b>	<ul style="list-style-type: none"> <li>Slides 4-5 and 28 were reviewed. Questions were raised by WG members.</li> <li>Slides 29-41 were not reviewed due to time constraints.</li> </ul>
<b>Next Steps</b>	<ul style="list-style-type: none"> <li>WG Leads to address WG comments and revisit draft documents to provide clarity on draft portal tariff structure, language and point to customer microgrid tariff changes sent previously. Send to WG to review.</li> <li>Next WG meeting scheduled Feb. 6</li> <li>WG Report due Feb. 14</li> </ul>
<b>Parking Lot Topics to Date (New Topics in Red)</b>	<ul style="list-style-type: none"> <li>Change of ownership of Microgrid</li> <li>Standby Charges or Exit Fees</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> </ul>



	<ul style="list-style-type: none"> <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>• Other types of microgrids that don't fit Act 200 definition</li> <li>• Gap in tariff for customers greater than 100kW participation &amp; compensation in non-normal, non-island scenarios. Eg, SIA</li> <li>• Harmonize compensation with other grid service mechanisms             <ul style="list-style-type: none"> <li>○ Expanded functionality from MG service and whether should be included in MST.</li> </ul> </li> <li>• <b>Contractual obligations for other grid services – Customers with existing DER/DR obligations still need to meet performance if included in a MG.</b></li> <li>• <b>Customer approvals – Does a Hybrid MG need a full customer subscription?</b></li> </ul>
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**Working Group Chairs:**

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**Attendees:**

Alan Lee, HE	Gerald Sumida, Carlsmith	Olivia Simpson, HE
Anand Samtani, Hawaii PUC	Gina Yi, Hawaii PUC	Paul De Martini, Newport Consulting
Andrew Barbeau, The Accelerate Group	Henry Lee, HE	Peter Yuen, NAVFAC HI
Andrew Okabe, Hawaii PUC	Keith Yamanaka, USAG-HI	Rich Barone, HE
Ashley Agcaoili, Hawaii PUC	Ken Aramaki, HE	Riley Ceria, HE
Baird Brown, eco(n)law LLC	Leland Cockcroft, HE	Samantha Ruiz, Hawaii PUC
Brian Levite, S&C	Lisa Hiraoka, DCCA	Shereen Wachi, NAVFAC HI
Bryant Komo, HE	Liza Jang-Che, HE	Steven Sano, HE
Colton Ching, HE	Marc Asano, HE	Stewart Chong, HE
Craig Nakanishi, Cades Schutte	Marcey Chang, DCCA	Susan Char, HE
Darene Matsuoka, Cades Schutte	Mark Glick, HNEI	Theodore Peck, Holu Hou Energy
David Parsons, Hawaii PUC	Michael Lum, HE	Tracie Black, HE



Dean Nishina, DCCA	Na Ye Choe, Hawaii PUC	Troy Uyehara, HE
Earlynne Maile, HE	Natalia Lagmay, HE	Will Rolston, Energy Island
Eric Kunisaki, HE	Nohea Hirahara, HE	Yoh Kawanami, HE