



July 28, 2021

The Honorable Chair and Members
of the Hawai'i Public Utilities Commission
Kekuanao'a Building, First Floor
465 South King Street
Honolulu, Hawai'i 96813

Dear Commissioners:

Subject: Docket No. 2018-0165
Instituting a Proceeding to Investigate Integrated Grid Planning
Correction to Hawaiian Electric Companies' July 28, 2021 Letter

On July 28, 2021, the Company¹ filed its letter, *Update on Integrated Grid Planning Workplan* ("Transmittal Letter") in the subject proceeding. Upon further review, the Company discovered footnote 2 was inadvertently included to the Transmittal Letter. Accordingly, the Company request that footnote 2 of the Transmittal Letter be omitted from the record. To aid the Commission in its review, the Company has also enclosed a revised version of its Transmittal Letter. The Company apologizes for any confusion this may have caused.²

Sincerely,

/s/ Marc Asano

Marc Asano
Director
Integrated Grid Planning

Enclosure

c: Service List

¹ Hawaiian Electric Company, Inc., Hawai'i Electric Light Company, Inc., and Maui Electric Company, Limited are collectively referred to as "Hawaiian Electric" or the "Company".

² Subject to the Commission's Order No. 37043, *Setting Forth Public Utilities Commission Emergency Filing and Service Procedures Related to COVID-19*, issued March 13, 2020.



July 28, 2021

The Honorable Chair and Members
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Kekuanao'a Building, First Floor
465 South King Street
Honolulu, Hawai'i 96813

Dear Commissioners:

Subject: Docket No. 2018-0165
Instituting a Proceeding to Investigate Integrated Grid Planning
Update on Integrated Grid Planning Workplan

The Company¹ appreciates the recent engagement and support of the Commission, Commission Staff, and stakeholders towards improving and advancing the IGP process. On June 18, 2021, the Company filed an IGP workplan update and stakeholder engagement plan that included, among other things, an updated schedule, stakeholder engagement plan, and key tasks to be accomplished over the next few months ("June 18, 2021 Letter").

Through this letter, the Company provides an update to the on-going tasks described in the Attachment to the June 18, 2021 Letter. Specifically, this letter provides updates on: Energy Efficiency Supply Curves (Task 19), the time-of-use layers for the base and high/low bookend scenarios, and circuit load forecasts (Task 22).

Regarding the Energy Efficiency ("EE") Supply Curves, the Company has continued to meet with the Commission's consultant on energy efficiency and conservation measures, AEG, since the June 18, 2021 Letter, on July 2 and July 16. In those meetings, we discussed the tasks that would be required for this scope of work and refinements to the schedule to accelerate the development of draft and final supply curves.

On July 12, AEG provided a scope for the work to develop the EE Supply Curves with a schedule that would deliver draft EE Supply Curves 8 weeks after the project kickoff and final EE Supply Curves 12 weeks after the project kickoff. Subsequently, the Company worked with AEG to adjust the scope and schedule to deliver the draft Supply Curves four weeks after project kickoff and final Supply Curves eight weeks after the kickoff meeting, an acceleration of four weeks, which would allow the Company to seek stakeholder feedback on the supply curves and file that information with the Commission by October 1, 2021 when the Company also expects to file the Grid Needs Assessment deliverable review point. Consideration was also given to further compressing the schedule by limiting the stakeholder engagement portion of the work; however, the Company believes that proper stakeholder engagement would be beneficial in the

¹ Hawaiian Electric Company, Inc., Hawai'i Electric Light Company, Inc., and Maui Electric Company, Limited are collectively referred to as "Hawaiian Electric" or the "Company".

development of the supply curves. Attachment 1 to this letter includes the latest scope and schedule for the work with AEG. The Company is working on expediting the contracting process so that the Project Kickoff Meeting can occur at the beginning of August. Below is the current anticipated schedule for this work:

Milestone	Anticipated Timing
Project Kickoff Meeting	To be Determined
Initial Supply Curve Development Parameters	2 weeks after project kickoff
Draft Supply Curves	4 weeks after project kickoff
1 st IGP Stakeholder Presentation	To be Determined
Final Supply Curves	8 weeks after project kickoff*
Draft Memo	8 weeks after project kickoff
2 nd IGP Stakeholder Presentation	To be determined
Final Memo	12 weeks after project kickoff*

* The time between draft and final deliverables will be dependent on the time required for Hawaiian Electric to review deliverables and test supply curves.

Regarding the time-of-use layer to be used in base and bookend scenarios, the Company reviewed its assumptions at the July 14, 2021 stakeholder meeting based on previous stakeholder feedback. Because DER and EV adoption is expected to be a prominent part of the resource portfolio, the load shaping would be significant from customers participating in managed EV charging and DER programs operating under time varying rates. However, at the stakeholder technical working group meeting, the Company received additional feedback from Commission Staff to include the impacts of time-of-use rates from non-DER, non-EV customers. The Company plans to incorporate this in the first cycle of IGP rather than place this item in the “parking lot”. Because the Company did not specifically plan to include TOU adoption of non-DER and non-EV customers, the Company will need additional time to develop these TOU adoption of non-DER and non-EV customer forecasts and will not have this layer of the forecast ready for the August 3 filing. The TOU layers will be coordinated with the internal teams working on the Advanced Rate Designs and grid modernization meter rollout. The Company will file the non-DER, non-EV TOU assumptions as soon as possible; but no later than October 1, 2021. All other updated forecast layers (i.e., DER, EV, EE, and TOU-managed EV charging) will be included in the August 3 filing.

With respect to the circuit load forecasts, the Company is currently working with Integral Analytics to correct SCADA data mapping issues in LoadSEER to create the circuit forecasts. The Company will file the circuit load forecasts as soon as possible, but no later than October 1, 2021.

The Honorable Chair and Members
of the Hawai'i Public Utilities Commission
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The Company welcomes Commission input and guidance, if any, regarding the contents of this letter. Please feel free to contact the undersigned.

Sincerely,

/s/ Marc Asano

Marc Asano
Director
Integrated Grid Planning

Enclosure

c: Service List

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(Docket No. 2018-0165)

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SERVICE LIST
(Docket No. 2018-0165)

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