

BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF HAWAII

----- In the Matter of ----- )  
 )  
PUBLIC UTILITIES COMMISSION ) DOCKET NO. 2018-0165  
 )  
Instituting a Proceeding )  
To Investigate Integrated )  
Grid Planning. )  
\_\_\_\_\_ )

ORDER NO. 37927

ESTABLISHING A PROCEDURAL SCHEDULE FOR THE  
UPDATED REVISED INPUTS AND ASSUMPTIONS

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ESTABLISHING A PROCEDURAL SCHEDULE FOR THE  
UPDATED REVISED INPUTS AND ASSUMPTIONS

By this Order, the Public Utilities Commission ("Commission") establishes a procedural schedule to review the updated revised inputs and assumptions filed by HAWAIIAN ELECTRIC COMPANY, INC., HAWAII ELECTRIC LIGHT COMPANY, INC., and MAUI ELECTRIC COMPANY, LIMITED (collectively "Hawaiian Electric").<sup>1</sup>

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<sup>1</sup>The Parties to this proceeding are Hawaiian Electric, the DIVISION OF CONSUMER ADVOCACY, an ex officio party, and the Intervenor: (1) LIFE OF THE LAND; (2) ENERGY ISLAND; (3) COUNTY OF HAWAII; (4) HAWAII PV COALITION; (5) HAWAII SOLAR ENERGY ASSOCIATION; (6) PROGRESSION HAWAII OFFSHORE WIND, LLC; (7) ULUPONO INITIATIVE, LLC; and (8) BLUE PLANET FOUNDATION.

I.

BACKGROUND

On July 12, 2018, the Commission opened this docket to investigate the integrated grid planning ("IGP") process.<sup>2</sup> On January 19, 2021, Hawaiian Electric filed its first IGP review point ("First Review Point").<sup>3</sup> On April 14, 2021, the Commission issued Order No. 37730, directing Hawaiian Electric to file revised forecasts and assumptions.<sup>4</sup> On August 3, 2021, Hawaiian Electric filed its updated revised inputs and assumptions, which it later revised on August 19, 2021, i.e., the August IGP Update.<sup>5</sup>

Based on the Commission's initial review of the August IGP Update, the Commission believes that feedback from the Parties will significantly aid the Commission. Therefore, the Commission establishes a procedural schedule that affords the

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<sup>2</sup>See Order No. 35569, "Instituting a Proceeding to Investigate Integrated Grid Planning," filed on July 12, 2018.

<sup>3</sup>See "Hawaiian Electric Companies Updated IGP Workplan & Review Point," filed on January 19, 2021.

<sup>4</sup>See Order No. 37730, "Directing Hawaiian Electric to File Revised Forecasts and Assumptions," filed on April 14, 2021 ("Order No. 37730").

<sup>5</sup>See "Instituting a Proceeding to Investigate Integrated Grid Planning; Hawaiian Electric Updated and Revised Inputs and Assumptions & Distribution DER Hosting Capacity Grid Needs," filed on August 3, 2021. See also "Instituting a Proceeding to Investigate Integrated Grid Planning; Hawaiian Electric Revision to Updated and Revised Inputs and Assumptions," filed on August 19, 2021 ("August IGP Update").

Consumer Advocate and the Intervenors an opportunity to comment on the August IGP Update, and for Hawaiian Electric to reply, as follows.

II.

PROCEDURAL SCHEDULE

<b>Procedural Step</b>	<b>Deadline Date</b>
Consumer Advocate's and Intervenors' Comments on the August IGP Update	September 10, 2021
Hawaiian Electric's Reply Comments	September 21, 2021

The Commission asks the Consumer Advocate and Intervenors to answer the following questions as a part of their comments, as they explain whether the August IGP Update provides a reasonable basis for the first round of IGP modeling:

(1) Does the August IGP Update thoroughly address every Commission concern articulated in Order No. 37730? If not, please explain what concerns remain.

(2) Do Hawaiian Electric's fuel forecast sensitivities adequately capture the risks of importing fuel?

(3) Is Hawaiian Electric's proposed high electric vehicle forecast sensitivity reasonable, including the underlying assumptions? If not, please explain why not, and what modifications are necessary.

(4) Do Hawaiian Electric's base assumptions around grid-scale PV (including slope and land constraints) and wind, as well as the "Land Constrained" Scenario, adequately capture the range of stakeholder perspectives, and/or provide a reasonable basis for the first round of IGP modeling?

(5) Are there any issues currently in the "parking lot" that are critical to address in this round of IGP modeling? If so, please suggest how the Commission should address them without significantly slowing the process.

(6) Are the assumptions, data sources, and variables for each sensitivity and scenario clearly presented and explained?

(7) Do the assumptions regarding future DER programs represent a reasonable best estimate for this round of IGP? If not, please suggest alternative assumptions.

(8) In the August IGP Update, Hawaiian Electric proposed a modification to the bookend scenarios, replacing the higher and lower customer technology adoption bookends with high and low load bookends.<sup>6</sup> Do these high and low load bookend scenarios provide a reasonable and valuable structure for assessing future grid needs and solutions?

(9) Are the assumptions Hawaiian Electric used to develop the energy efficiency forecasts clearly identified and

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<sup>6</sup>See August IGP Update at 110-111, Table 6.3.

explained, and do they provide a sound basis to evaluate forthcoming energy efficiency supply curves?

(10) Are there any unexplained discrepancies between the data in the inputs and assumptions Excel workbooks and the inputs and assumptions submitted in the August IGP Update or discussed in prior stakeholder meetings?

(11) Is there any outstanding stakeholder feedback that has not been reasonably considered or addressed in the August IGP Update?

These questions are not exclusive, and the Commission encourages the Parties to be more expansive in their comments, and address any aspect of the August IGP Update. The Consumer Advocate and Intervenors may file comments on the First Review Point by September 10, 2021. Hawaiian Electric may file reply comments by September 21, 2021. In its reply comments, Hawaiian Electric may address these questions and any element of the Consumer Advocate's or Intervenors' comments.

III.

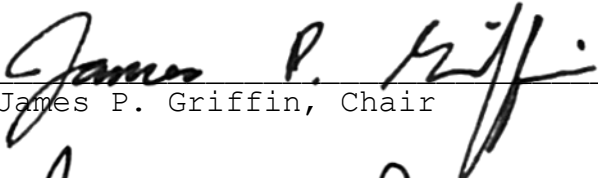
ORDERS

THE COMMISSION ORDERS:


1. The foregoing procedural schedule shall govern the Commission's review of the August IGP Update.

DONE at Honolulu, Hawaii AUGUST 23, 2021.

PUBLIC UTILITIES COMMISSION  
OF THE STATE OF HAWAII

By   
James P. Griffin, Chair

By   
Jennifer M. Potter, Commissioner

By   
Leodoloff R. Asuncion, Jr., Commissioner

APPROVED AS TO FORM:

  
Mike S. Wallerstein  
Commission Counsel

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CERTIFICATE OF SERVICE

Pursuant to Order No. 37043, the foregoing Order was served on the date it was uploaded to the Public Utilities Commission's Document Management System and served through the Document Management System's electronic Distribution List.



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PUBLIC UTILITIES  
COMMISSION

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