Integrated Grid Planning

Solution Evaluation & Optimization Working Group Meeting

March 16, 2020
Meeting Agenda

• Welcome and Ground Rules
• Review of redlined outline
• Review of sensitivities
• Next Steps
Ground Rules

• Chatham House Rule will apply – no personal or organizational attribution will be made to any comments/feedback provided during the meeting by any participant nor in written documentation.

• Working group meetings, and other information exchanges are intended solely to provide an open forum or means for the expression of various points of view in compliance with antitrust laws.

• Under no circumstances shall engagement activities be used as a means for competing companies to reach any understanding, expressed or implied, which tends to restrict competition, or in any way, to impair the ability of participating organizations to exercise independent business judgment regarding matters affecting competition or regulatory positions.

• Proprietary information shall not be disclosed by any participant during any industry engagement meeting or information exchange. In addition, no information of a secret or proprietary nature shall be made available to industry engagement participants.

• All proprietary information which may nonetheless be publicly disclosed by any participant during any industry engagement meeting or information exchange shall be deemed to have been disclosed on a non-confidential basis, without any restrictions on use by anyone, except that no valid copyright or patent right shall be deemed to have been waived by such disclosure.
SEOWG Deliverables and Schedule

1. SEOWG deliverable draft sent to stakeholders for review
   ➢ Reviewed redlined version

2. Sensitivities document will be sent today for stakeholders to review

3. Description of the optimization methodology to be used for proposed solutions that may address multiple resource/grid needs
   ➢ Due 6/1/2020 (to be informed by Stage 2 RFP)
Objectives for Today’s Meeting

• Review and receive feedback on redlined IGP SEOWG outline

• Review and receive feedback on updated sensitivities
IGP Solution Sourcing Process

**IGP Bi-Annual Procurement Timeline**

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<th>1 month</th>
<th>6 months</th>
<th>1 month</th>
<th>6 months</th>
<th>5 months</th>
<th>2 months</th>
<th>3 months</th>
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**Independent Evaluation Provided by TAP**

- Transmission Needs
- Distribution Needs
- DER Rates/Programs

**Stage 2 RIP Results**

- Inputs, Assumptions, Annual Forecast

**IGP RIP Results**

- Distribution Needs
- DER Rates/Programs

**Qualified Projects for Procurement**

**IGP Annual Meeting Timeline**

- 12 Months
- 12 Months

**CapEx Review Point**

**Independent Observer**

**Long Term Needs (5yr or less)**

- Transmission RIP
- Distribution RIP
- DER RIP

**Inputs, Assumptions, Annual Forecast**

- Transmission Needs
- Distribution Needs
- DER Rates/Programs

**IGP RIP Results**

- Distributed Generation
- Quality Assurance

**Qualified Projects for Procurement**

**Final Long Term RIP**

- Final RIP
- Final RIP
- Final RIP

**Transmission RIP Evaluation**

**Maka RIP Evaluation**

**Qualifying RIP Evaluation**

**Capacity Energy & AS RIP**

- Final Capacity Energy & AS Rip
- Final Capacity Energy & AS Rip
- Final Capacity Energy & AS Rip

**Contact Negotiations**

**Inputs to next RIP Cycle**
Next Steps

• Next meeting April 2020 – (tentative)
  • WebEx Meeting

• Feedback may be submitted to Chris Lau at christopher.lau@hawaiianelectric.com and IGP@hawaiianelectric.com.
Thank you!