

Hawaiian Electric Companies Integrated Grid Planning Stakeholder Council (IGPSC) Meeting August 18, 2020 (via WebEx)

Meeting Agenda
❖ Welcome
❖ Ideas for Improved Stakeholder Council Engagement
❖ Update on the NREL Resource Potential Study
❖ Looking Ahead

I. STATUS UPDATE

A. Stakeholder Council: There have been a couple of changes in stakeholder council membership. An updated list of Integrated Grid Plan Stakeholder Council (IGPSC) members, including those present at the meeting, denoted with an asterisk:

Stakeholder	Name	Affiliation
HPUC	Dave Parsons*	Chief of Policy & Research
Consumer Advocate	Dean Nishina*	Division of Consumer Advocacy
DBEDT	Scott Glenn*	Hawai'i State Energy Office, Energy Administrator
Demand Response	Yvette Maskrey*	Honeywell
DOD	Keith Yamanaka*	USAG-HI, Directorate of Public Works
Energy Efficiency	Brian Kealoha*	Hawai'i Energy
Electric Vehicles	Melissa Miyashiro*	Blue Planet
Environmental Advocate	Henry Curtis*	Life of the Land
Community Delegate (O'ahu)	Pono Shim*	President & CEO at O'ahu Economic Development Board
Community Delegate (Hawai'i)	Jacqui Hoover*	President of Hawai'i Leeward Planning Conference and Executive Director & COO of Hawai'i Island Economic Development Board (HIEDB)
Community Delegate (Moloka'i)	Audrey Newman*	
Community Delegate (Lana'i)	Robin Kaye*	

Large CI&I Customer	Barry Usagawa*	Board of Water Supply
Local Gov't (Maui)	Alex de Roode*	County of Maui Energy Commissioner
Local Gov't (O'ahu)	Robert "Rocky" Mould	County of Honolulu, Energy Program Manager, Office of Climate Change, Sustainability and Resiliency
Sustainability Advocate (Local)	Murray Clay	Ulupono Initiative
Sustainability Advocate (National)	Merrian Borgeson	Natural Resources Defense Council (NRDC)
Small Solar & Storage	Chris Debone*	DERC
Utility-scale IPP	Gerald Sumida*	Carlsmith Ball LLP
TAP, Chairman	Rick Rocheleau*	Hawai'i Natural Energy Institute (HNEI)

Additional members of the public and parties to the IGP docket were in attendance.

Name	Affiliation
Kylie Wager Cruz*	Earthjustice
Noelani Kalipi*	Progression HI Offshore Wind/Progression Energy
Paul DeMartini*	Newport Consulting Group
Wren Wescoatt*	Progression HI Offshore Wind/Progression Energy
Chris Yunker*	Hawai'i State Energy Office
Robert Harris*	Sunrun

B. Meeting Topic Outline from November 2019 – November 2021

See slide 3 in Presentation Materials from Aug. 18, 2020

II. IDEAS FOR IMPROVED STAKEHOLDER ENGAGEMENT

A. Stakeholder Council Background

See overview description slide

B. Proposal for meeting operational protocol - *shared by Stakeholder Council member for consideration.* Its purpose is to enhance the effectiveness of the IGP process, as contemplated in the HECO IGP Report and IGP Workplan, by facilitating the joint efforts of HECO, the Stakeholder Council, the Technical Advisory Panel, and certain working groups in their implementation of the IGP process, and to ensure robust engagement.

- a. This proposal offers an approach that would change the dynamic that has been experienced in previous meetings whereby members expressed that it was more of a “data dump” by the utility without much room for discussion.
- b. The IGP process is innovative and important – and given the diverse members of the council and the working groups and TAP – members expressed concern about IGP’s future and what it could be. The proposal offers an opportunity for the process to be energized.
- c. Members were asked to provide feedback as the proposal sets forth objectives and timelines with short-term and long-term goals to be addressed.
- d. Respondents liked the proposed approach, which would require more time for them to digest information before quarterly meetings.
- e. Adoption of this proposal would require representatives of the SC to work with the IGP Team beforehand to determine topics and questions for discussion at the meetings.
- f. Adoption of this proposal would require members to review material and formulate questions for discussion
- g. The format of the meetings would be determined in collaboration with the IGP Team but include an overview of the topic, a rationale for the questions posed and a discussion to tap the expertise of the forum.
- h. An example of topics to tackle included land use. See the Star Advertiser article, “Farmland becoming food vs. fuel battleground” (Aug. 17, 2020) <https://www.staradvertiser.com/2020/08/17/hawaii-news/farmland-becoming-food-vs-fuel-battleground/?HSA=afc0af4785e39a5cae099b0fb4a1df83f36fcdcb>
- i. Support for the concept was expressed; however, there was concern for the length of meetings to not exceed a day.
- j. IGP Team asked to give clarity on what type of feedback is needed when process is changed to ensure agreement and help with focus.
- k. Thoughts for topic issues: Everything is not on HECO’s shoulders. What is HECO’s responsibility? What is an electricity or grid matter?
- l. Thoughts on role: The SC may be the body that nominates issues that are worthy of discussion for Working Groups to discuss.
- m. A copy of the proposed document will be provided to accompany an online survey to provide additional thoughts.

III. NREL SOLAR AND WIND RESOURCE POTENTIAL UPDATE

A. Solar and Wind Resource Data Sets

See NREL presentation slides

- a. Study is more of a screening tool - it’s fine as a start but the multi-use issues aren’t addressed. Concern: The result will be overly optimistic views of what could be available for energy use but in reality, is not.

- b. Capacity factors for the PV and wind resources is a way to represent the amount of power that a facility can produce – keeping in mind the conditions, i.e. location, weather, etc.
- c. HECO will be taking a closer look at areas designated available and whether it would be in zones that are not ideal. Example: Tsunami Evacuation Zones.

B. Study is a starting point.

The following feedback provided for consideration.

- a. HECO encouraged to review maximum potential vs economic limitations. This is a topic that needs discussion.
- b. Regarding socio-economic issues, community needs to be part of that discussion. HECO acknowledges that community involvement is critical to a project's success. More discussion is needed - How do we incorporate community input for any one project? What's a best practice in identifying the right set of resources for a utility's plan?
- c. Community engagement needs to be early in the process not late in the process as part of the planning and development of projects.
- d. The estimate for potential utility scale PV on Oahu seems very optimistic - overestimated land availability.
- e. The big picture land use issues and competing community needs could be addressed via a community plan and general plan processes conducted by the Counties. From there, the more granular project-level details that are part of the procurement can provide a framework that gives preference to proposals that align with community plans, island plans and general plans.

IV. LOOKING AHEAD

- A.** Survey on Improved Stakeholder Council Engagement to be emailed following today's meeting.
- B.** Next meeting to be determined following survey feedback on the Stakeholder Council format – will send doodle poll to determine best date and time option. Meeting likely to be WebEx due to COVID restrictions.
- C.** Slides from today's meeting and Summary Notes will be provided shortly after this meeting.
- D.** IGPSC members can direct questions and feedback to IGP@hawaiianelectric.com