

Distribution Planning / Grid Service Joint Working Group Meeting 1: IGP Soft Launch Introduction

Wednesday, February 27, 2019

9:00am – 11:30am

ASB 2 and WebEx

Attendees

WebEx

Corinne Chang, HE
Gary Fukumoto, HE
Li Yu, Quanta

Kathy Yonamine, HE
Bryant Komo, HEL
Collin Au, HE

Caroline Carl, Hawaii Energy
Harrison Rue, C&C Honolulu
Jason Bobruk, SolarEdge

Kayla Kawamata, HE
Liza Jang-Che, HE
Amanda

Scott Leach
Sean Mazelli
Jeff Laughy

Riley Ceria, HEL
Marcey Chang, CA
Steven Rymsha, SunRun

Susan Chow, HE
Tricia Rohlfing, Hawaii Pacific
Solar

Ted Peck, Holu Energy
Jon Sakata, HE
Chris Debone, DERC

John Berdner, Enphase
Amanda Yano, HE

In-Person

Marc Asano, HE
Rich Barone, HE
Paul De Martini, Newport
Blaine Hironaga, HE
Sean Olivera, HE

Randal Lui-Kwan, HE
Gerald Sumida
Gina Yi, PUC
Jay-Paul Lenker, PUC
Robert Harris, HPVC

Lisa Giang, HE
Christopher Lau, HE
Jon Shindo, HE

Notes:

- Purpose of the three joint meetings is to increase transparency in the T&D planning process and analyses. Create a feedback loop between internal and external stakeholders.

Discussion

How will the DR Docket and this Soft Launch effort conflict or complement each other?

- In the near-term, DR system services will be procured along the lines of the DR portfolio. The solutions that will be procured for the Soft Launch is for a specific location and of limited scope. Therefore there is no direct competition between the DR efforts and the Soft Launch.
- Will also need to consider how to balance solutions offered that can provide system-level services and address location-specific T&D needs. Will learn more about how to manage these resources from procurement, operational, and planning perspectives. Intend for Soft Launch DR to be complimentary to system level, existing DR.

Is participation in all Working Groups open to all or by invitation only?

- Will make meeting notes and presentations available online on the IGP website. The aim is keep the process as open and transparent as possible while keeping inputs manageable.
- Can allow for more observers via WebEx.
- Open to recommendations for other participants who can meaningfully contribute to the discussions within each Working Group.

Regarding the Standardized Contracts Working Group, will participation be opened to solution providers?

- With respect to the development of the GSPA – ordered by Commission to file model contract by end of March, with enhancements to GSPA to get broader standardized contract by end of year. SCWG has been overseen by Navigant, focusing on structure, mechanisms, and terms w/o specific vendor input in order to avoid bias.
 - Next steps would be broad stakeholder engagement. Steps: 1) Prepare model contract for distribution and present at stakeholder meeting for feedback; 2) basis for negotiations; 3) no intention of keeping it a closed process.

How will the Soft Launch interact with the Microgrid Docket?

- These efforts are integrative. Developing a microgrid could be a solution option to meet this project's needs.

What obligations are placed on the developer and utility for a new development?

- Building infrastructure is typically the last option. The first option is to maximize the utilization of existing infrastructure. When needing to expand distribution infrastructure including substations are considered system (utility) costs. The developer is responsible to install secondary infrastructure up to the point of interconnection. The utility covers the cost of the secondary transformer.
- We are attempting to make the solution an uncomplicated process as much as possible.
- Developer could self-supply its own demand to simplify or reduce their load needs.

What type of interaction is anticipated with the Resilience Working Group?

- The Distribution Planning WG will have more discussions about microgrids and distribution planning.

How does this tie into the Grid Modernization Strategy? Will the Soft Launch use smart meters?

- Smart meters are an enabling technology to allow an aggregator or NWA to be able to bid.
- Behind the meter solutions would be paired with the same smart meters and communications and control infrastructure implemented by Grid Mod.
- Services will be routed through the ADMS, DRMS, MDMS, SCADA, etc., depending on the type of solution and control scheme. For example, large-scale solutions like IPPs will be connected via SCADA.

Does the group need more load growth information from the City and County of Honolulu?

- The C&C Honolulu is working with HECO to address needs across the TOD corridor including investments in UH West Oahu, Hoopili, and Halawa Stadium areas. The question of who pays for what will be difficult. Renee is still the lead on this for DoT.
- The Soft Launch will utilize the same internal teams to obtain information about new load growth developments.

Clarification sought on the scope of this project.

- Concerned about overlapping investments by the utility and payments to solution providers.
- The proposed substation will address steep near-term load growth with long overload durations of up to 21 hours per day.
- Seeking NWAs to address less severe overloads with shorter durations of 5 to 6 hours. DER solutions will need to align with operational readiness of the new ADMS.
- A detailed review of the NWA needs will be provided in the 3rd Joint DP/GS WG meeting.

Is the scope only for this one substation? Or are there other pockets of load growth?

- This is not the only opportunity as there will be more needs identified in the future. The focus of this Soft Launch effort is for a specific area development and the lessons learned will be used to refine the process going forward.

What are some examples of NWA solutions which would be proposed in this process?

- Services could be provided by DER, DR, energy efficiency (EE), etc.
- Could be behind the meter or aggregated at other locations.
- There could also be large-scale IPPs that would build on adjacent land. An example of this would be PV + BESS.
- Could be a combination of distributed and centralized resources.
- Will be technology agnostic.

Are there any other documents or jurisdictions that can offer insight into NWA processes or experience?

- Known resources are California's More Than Smart and NYREV.

How are we planning and forecasting for customer DERs? How do DP needs align with customer's ability to integrate their DERs and interconnect more?

- May we clarify, DERs include – behind-the-meter and in-front-the-meter PV, BESS, EVs, energy efficiency, etc.

Requests and Action Items

1. Address question regarding open stakeholder participation (specifically additional DER service providers) to Soft Launch, Distribution Planning, and Grid Services working groups' meetings.
2. Identify potential DER services providers (approximately 3 firms) for HECO to invite to give presentations on their lessons learned from NWAs at March 26 meeting.
3. Provide references to suggested change to definition of distribution deferral capacity service reflecting updated California definition as an example.
4. Revise the definition of distribution capacity deferral in terms of scope.
5. Consider revision to the NWA definition through Stakeholder input.
6. HECO to provide protocol for contacting DR Horton given stakeholder interest to engage on potential new development based solutions (including Zero Net Energy (ZNE), stakeholder provided ZNE information for potential presentation on March 26th).
7. Provide documentation of identified needs for this NWA and why the larger need (to be addressed by the substation) was filtered out.

Closing Comments

Upcoming meetings are scheduled for:

- Meeting 2: March 26, 2019, 9am – TBD, ASB 1.
 - End time dependent on number of presentations. Currently have scheduled presentations from utility representatives: ConEd, SCE, and APS. Looking for volunteers from service providers who have experience with NWAs.
- Meeting 3: April 25, 2019, Duration will be 4-6 hours, ASB 2
 - This meeting will involve a deep dive into the technical details of the Hoopili NWA Study conducted by Quanta. Will also be covering service definitions which feed directly into preparing the RFP.
 - HECO to provide additional information on the parameters of the grid needs beyond just the peak demand and duration. Include parameters such as dispatch frequency, minimum size, and locational specifics.
- Next Standardized Contracts meeting scheduled for March 12, 2019, 2 – 5pm, ASB 2. Will share the prototype GSPA at this meeting.

Please contact Rich Barone, Marc Asano, or Paul De Martini for any additional questions, comments or feedback.

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