2019 Q 4 Interconnection Discussion Forum

Meeting Logistics:

Monday December 16, 2019, 1:00pm – 4:00pm

Community Room, Opera Plaza
601 Van Ness Avenue
San Francisco, CA

Note: 601 Van Ness Avenue is across from the CPUC on Golden Gate and Van Ness.

Call-In Information:

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Agenda

1:00 - 1: 40 p.m. – IOU Presentations

- IOU presentations on results of the Expedited Interconnection Process for Non-Exporting Storage Facilities Pilot (40 min; 10 min presentation per utility + 10 min Q&A)

1:40 p.m. - 4:00 p.m. – Streamlining Interconnection for Resilience

- 1:40 p.m. - 2:05 p.m. Understanding existing tariff options for non-export (Proposed and Presented by SCE). Generally non-export storage interconnections lead to quicker interconnections and provides for current solutions in place today. Given the current PSPS events, now would be a good time to ensure customers understand their options as we look to next year.

- 2:05 p.m. - 2:25 p.m. Backup Power in PSPS Zones (Proposed and Presented by CALSSA). Getting storage out to as many customers as possible within the next year could mitigate PSPS events. Questions we need to address include the following: Can we expedite the process for existing PV

systems to add small storage systems? Should we allow queue jumping for larger systems? Are storage systems treated equally with generators?

- 2:25 p.m. - 2:40 p.m. Smart Meter Remote Disconnect (Proposed and Presented by CESA & 33 North). Utility smart meter remote disconnect switches may offer customers affected by PSPS outages an alternative method to connect batteries, generators, or other devices (such as a V2GAC system) to a transfer switch installed behind the customer's meter. Prior to section / circuit de-energization, the utility could turn off / disconnect service at the meter (commonly a 200 A breaker), intentionally islanding the customer from the distribution grid. When islanded with a transfer switch, the customer could use backup power sources not usually allowed for interconnection and parallel operation with the grid. The open smart meter disconnect protects the grid from generator backfeed and allows the utility complete control of the disconnect / reconnect process.

- 2:40 - 2:50 p.m. BREAK

- 2:50 p.m. - 3:05 p.m. Site Specific Design Plans (Proposed and Presented by Tesla). Could we eliminate requirements to submit site specific design plans and move to a template-based approach akin to what exists for standalone PV? One would just select from a predefined set of project design types. This may save substantial time on the front end.

- 3:05 - 3:20 p.m. Necessity of utility field inspection (Proposed and Presented by Tesla). Currently for projects that have an AC disconnect PG&E frequently though not always, requires a field inspection. However, this seems unnecessary and duplicative of the oversight and inspection from permitting authorities. Eliminating the utility field inspection would save a lot of time on the back end.

- 3:20 - 3:40 p.m. Interconnection of pre-made Microgrids (Presenter TBD). Connecting microgrid generating and storage assets to the distribution grid in an In-Front-of-the-Meter configuration brings up many issues. Whose jurisdiction does interconnection of an IFOM generating/storage asset used in a microgrid fall under? What is the current interconnection process and what are the issues that a project like this would face? How would customers served by this microgrid generating asset pay for their power?

- 3:40 - 3:55 p.m. Facilitated Discussion

- 3:55 - 4:00 p.m. Wrap Up and Next Steps