

**Issue 18: Anti-Islanding Screening Parameters  
Stakeholder Questions 2/13/20**

**Mazvar Zeinali, XUtility**

- 1) **What specific data can PG&E share to further illuminate issue 18?**  
Not applicable.
- 2) **What data can other utilities share to further illuminate issue 18?**  
SDG&E does not have data regarding unintentional islanding on its 12-kV distribution system related to DER or inverter-based resources.
- 3) **Is PG&E's concern relative to a 40% threshold due to safety or equipment damage/failure? Please provide examples of safety and/or equipment issues that may occur.**  
Not applicable.
- 4) **Do other utilities have any areas with mixed mechanical and PV generation?**  
There are areas with mixed mechanical and PV generation within SDG&E's service territory.
- 5) **How did PG&E determine the 40% mix threshold for requiring mitigation?**  
Not applicable.
- 6) **What is the incident probability for the 40% mix threshold and above?**  
Not applicable.
- 7) **In its assessment, does PG&E consider mechanical generators the cause or PV installation as the cause of their concerns?**  
Not applicable.
- 8) **Is PG&E requiring any mitigation from mechanical generation installations?**  
Not applicable.
- 9) **What research or data does PG&E use/point to establish their threshold/procedures?**  
Not applicable.

**Rebecca Davis, GPI**

- 1) **What risk does each IOU deem acceptable and unacceptable regarding islanding.**  
SDG&E does not deem it acceptable to form an unintentional island.
- 2) **Describe the specific screen(s) you currently use to determine islanding risk and appropriate anti-islanding measures.**  
For prevention against forming of such island, SDG&E requires UL 1741 certification for inverters.
- 3) **For PG&E: what data would provide sufficient assurance for you to adopt a screening and mitigation process like SCE or SDG&E**  
Not applicable.

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**4) How should any changes to screening/mitigation process be codified?**

It is premature to determine if and how changes should be codified at this time.

**5) Provide data on when, if ever, islanding occurred in practice and an inverter was not tripped.**

SDG&E does not have data regarding unintentional islanding on its 12-kV system related to DER or inverter-based resources.

**Brad Heavner, CALSSA**

**1) Is the calculation of the ratio of generation to load done on a time of day and seasonal basis, or could load at 10 am in December be compared to generation at 1 pm in June? Will this change with implementation of ICA?**

In current practice, this ratio is based on historical 12-month minimum values as indicated in Rule 21 Screen N (G.2.a). As indicated in note 2 (Rule 21 Screen N), the generation technology is taken into account. SDG&E currently does not use generation ratios for ICA but instead performs an analysis using the load in the power flow simulation to determine the ICA values at the line-section level.

**2) How many synchronous generators are installed on your distribution system?**

SDG&E estimates that it has approximately 54 synchronous projects rated 500-kW or larger.

**3) How many SCADA reclosers are currently installed on your distribution system?**

SDG&E currently has 4 SCADA reclosers on its distribution system installed on generation facilities. These SCADA reclosers were installed for generation facilities greater than 1 MW.