

November 17, 2016

## UPDATE TO SYSTEM SIZING AND PROCESS REMINDERS

Thank you for your patience and positive comments as we transitioned to PowerClerk for interconnection applications on systems ≤ 20 kW. We had a successful launch, and things seem to be working smoothly.

### Update to System Sizing:

Effective on applications received after 11/21/16: A different variable will be used in the calculation to determine the maximum PV system size for customers based on their annual energy usage. Following industry standards, such as NREL, we will calculate the DC to AC ratio as 1.1. Previously, we divided the usage by 1400 to get the maximum system size. Incorporating the new DC to AC conversion means that annual usage (kWh) should be divided by 1531 to get the maximum AC System size. Example:

**ANNUAL CUSTOMER USAGE - 10,717 kWh**

CUSTOMER USAGE (kWh)

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(365 DAYS \* 24 HRS PER DAY \* CAPACITY FACTOR \* DC/AC CONVERSION)

$$10717 / (365 * 24 * .1589 * 1.1) = 7$$

**7 kW - MAXIMUM SYSTEM SIZE**

SCE&G will continue to monitor the kW AC production of each application, and we ask that each installer adjust their sizing calculation accordingly.

*Note: During the application process, PowerClerk will calculate an AC System Rating, which is titled, "CEC-AC." This is the System Rating that will be used to evaluate the proposed project during the Technical Review unless the DC is oversized to the point it exceeds the maximum output of the inverter. Unfortunately, the PowerClerk calculation does not limit the AC rating by maximum inverter output.*

### Process Reminders:

1. We are still experiencing a high volume of applications. As such, we are not able to review/evaluate special cases. This includes shading, attempting to oversize systems to accommodate proposed usage increases from additions, electric vehicles, etc.
2. SCE&G must have 24/7 access to meters and disconnects. Meters and disconnects behind locked gates will be turned down.
3. SCE&G cannot share customer usage/system sizing without a release signed by the customer. *See attached SCE&G Permission to Release and Discuss Customer Information with Designated 3<sup>rd</sup> Party Representative form.*