

California Investor Owned Utility (IOU) Rule 21 (excl. NEM PV) Interconnected Data

Disclaimer: The Rule 21 (excl. NEM PV) Interconnected Data Sets are a work in progress ongoing between Energy Solutions, the IOUs (Pacific Gas & Electric Company, Southern California Edison and San Diego Gas & Electric) and the California Public Utilities Commission (CPUC). Numerous issues including a lack of robust data integrity tests, data confidentiality and a standard reporting structure are currently being addressed. Please know the data sets will be improved in the future and please use your best discretion when using and making representations from this data.

Background

In August of 2018, the California Public Utilities Commission (CPUC) directed the IOUs to publish application-level data on all Rule 21 interconnections, regardless of technology type, size, tariff, incentive program, or other project characteristics. “Rule 21” generally refers to all net energy metering (NEM) facilities, “Non-Export” facilities, and storage technologies interconnected on the distribution grid under CPUC jurisdiction.¹ Rule 21 does not apply to the interconnection of generating or storage facilities intending to participate in wholesale markets. The tariff provides customers wishing to install generating or storage facilities on their premises with access to the electric grid.

The California DG Stats team began working to with the IOUs and the CPUC to collect this data and map the various data fields. This effort included very preliminary manual data quality checks to address new data quality concerns. The first Rule 21 (excl. NEM PV) data sets (one for each IOU) were published in May 2019.

In most cases, the data provided is exclusive from what is available in the NEM Interconnection Applications Data Set. However, Rule 21 interconnections with multiple technologies that include NEM PV systems will be labeled as such to avoid duplicative counting (this currently applies to PG&E’s and SCE’s Rule 21 Data Sets). For instance, a project with both NEM PV and NEM Wind generation will appear under both the Rule 21 Interconnected Data Set and the NEM Interconnection Applications Data Set. However, the listed system size under the NEM Interconnection Application Data Set will be for the solar NEM generation portion only.

Collection of NEM PV versus Rule 21 Data Fields

There are several data fields collected for NEM solar PV interconnection applications that are not required to be collected for other Rule 21 interconnection applications. Therefore, not all data fields in the data set will apply to each application and unpopulated fields are to be expected.

Data Integrity/Excluded Applications

¹ <http://www.cpuc.ca.gov/Rule21/>

The California DG Stats team plans to develop robust data integrity tests for the Rule 21 data set similar to the tests completed on the tests completed on the NEM Interconnection Application Data Set. This will eventually include “Excluded Applications” data sets.

Technical Support

Please direct any technical questions to: csisupport@energy-solution.com.