

San Diego Gas & Electric Company's Quarterly Data Report on WMP Spatial and Non-Spatial Data (QDR)

November 1, 2021



Pursuant to the California Public Utilities Commission (Commission or CPUC) Resolution WSD-011, and Wildfire Safety Division’s Compliance Operational Protocols, issued February 16, 2021, SDG&E hereby submits its Quarterly Data Report (QDR) for the period July 1, 2021 through September 30, 2021 (Q3).

Specifically, this QDR provides the following:

- Non-Spatial Data Tables in the format previously provided by WSD (“2021 Q3 QDR – Non-Spatial Data 11 01 2021.xlsx”)¹
- A geodatabase file containing SDG&E’s currently available WMP reportable data in the schema provided by WSD (confidential file “SDGE_20211101.gdb.zip”). SDG&E is also providing an accompanying confidentiality declaration.
- The QDR Status Report, which in accordance with previously provided guidance, is an excel spreadsheet “2021 Q3 QDR – Simplified Status Report 11 01 2021.xlsx” which provides line by line accounting of the data included within this QDR, as well as an explanation of data gaps and timelines for gathering data not currently included in the confidential geodatabase file.
- The “SDGE_InitiativePhotoLog_20211101 Feature Class” contains an additional field called Hyperlink that contains a URL to the photos that relate to the compliance findings in the Asset Inspection Point for the DIAR Program. SDG&E will provide access to OEIS staff that will be reviewing the photos.

As directed by OEIS, SDG&E is submitting its complete QDR, including all confidential information and supporting declarations via SharePoint.²

SDG&E’s Quarterly Data Report: Non-Spatial

Improvements to the logic used to calculate the number of fuse operations have been made resulting in changes to the totals for non-CALFIRE fuse operations in Table 3. Previous logic only included faults that initiated on the overhead system and resulted in overhead non-CALFIRE fuse operations. The updated logic counts faults that initiated on the overhead or underground system and resulted in overhead non-CALFIRE fuse operations. This improvement provides more accurate data for those items in Table 3 (3.g and 3.h).

SDG&E’s Quarterly Data Report: Spatial

In its previous QDR submissions, SDG&E has sought clarification of various issues related to the design of the geodatabase template and looks forward to an opportunity to work with OEIS and stakeholders on potential refinements. In the meantime, SDG&E has invested in a technical data solution to aggregate data from multiple sources for reporting from a single database. This solution is evolving each submission as we work towards automation of the deliverables.

¹ SDG&E notes that certain items have been clarified in response to data requests since the 2021 WMP Update was filed. Specifically, SDG&E stated, “SDG&E has identified approximately 390,000 accounts that may have customers with access or functional needs, of which approximately 185,000 reside in the HFTD, utilizing programs or services.” (p.99). The correct number of AFN customers that reside in the HFTD is 40,000. Additionally, SDG&E clarified the number of tree-trimming activities performed in 2020 in response to a Substation Vegetation Management data request to the Wildfire Safety Division.

² California Office of Energy Infrastructure Safety – Data Submission Procedures (July 27, 2021).

To provide insight to OEIS related to SDG&E's quarterly data reporting capabilities, SDG&E has continued to use the status report to indicate if data is available to be reported. This applies to data fields not included in this specific deliverable because no events occurred during the reporting timeframe, for which SDG&E marked "yes" that data was included and provided clarification in the data availability field that there was "No reportable data for this quarterly report." SDG&E's rationale is to provide a clear picture of the current reporting capabilities, regardless of the number of reportable events during a given reporting period.

While working through the schema requirements and how to associate with SDG&E's dataset, we have the following suggested improvements:

- As with previous submissions, SDG&E will provide a simplified version of the status report to OEIS which allows further filtering and comparison of data across feature classes. SDG&E uses this file to provide more uniform responses across similar data fields. SDG&E requests that OEIS consider this file as a replacement for the existing status report template for future submissions to allow filtering on all fields within the status report to simplify completion of the status report by the IOUs and review of the status report by OEIS.
- The Asset Point feature classes contains the primary key (PK) which are the unique identifier for the table feature class. SDG&E uses a global identifier (GUID); however, a Business Identifier (I.e. FacilityID) is needed to fully distinguish and identify from a business perspective the individual assets within the dataset.
- Provide a way to report the one-to-many relationship between circuits, substations, and support structures. SDG&E has bridged this using a related table for the past 3 submissions (now called AssetRelate) and instead of populating the fields where a one-to-many relationship could exist, we refer to the AssetRelate table for that structure, circuit, or substation. This table will continue to evolve as our process matures.

In SDG&E's 2021 Q3 submission, SDG&E made several improvements to the logic that supports the data within the file geodatabase. The improvements include:

- Tabular automation of 8 out of the 12 Asset Inspection Programs from the source system.
- Tabular automation of 4 out of 14 Asset Point/Line Feature Classes/Relate Table utilizing SDG&E's central repository increasing the accuracy and attribute completeness of the schema requirements.
- Enhancement to the AssetRelate table in the past submission adding onto the dataset and providing the correct relationships between asset information and the one-to-many relationship between circuits, substations and support structures.
- Restructuring of Administrative Area to better align with the requirement to submit one feature class per administrative area. This includes the following:
 - AdministrativeArea_ServiceTerritory
 - AdministrativeArea_Countty
 - AdministrativeArea_District
 - AdministrativeArea_HFTD
- Expansion of CustomerMeter Feature Class from only Primary Meters to include all Customer Meters in the HFTD. This now allows us to align the AssetID from the Grid Hardening Point Initiatives to the Customer Meter Feature Class.

- Grid Hardening – There are some null values in the AssetID field in this submission. These are items where the support structure is still in a preliminary status in the GIS Database. This improvement allows for these items to be included and mapped using lat/long coordinates where they would have been removed in previous submissions.
- SDG&E has cut over to the simplified status report format which provides the benefits described above. SDG&E can provide the data in the previous format upon request from OEIS.