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

May 1, 2023

Pursuant to the California Public Utilities Commission (Commission or CPUC) Resolution WSD-011, Wildfire Safety Division's Compliance Operational Protocols, issued February 16, 2021, and in accordance with Office of Energy Infrastructure Safety's (Energy Safety) updated guidance recently December 15, 2022 (V3.1). SDG&E hereby submits its Quarterly Data Report (QDR) for the period January 1, 2023 through March 31, 2023 (Q1 2023). A copy of this report is being provided to the California Office of Energy Infrastructure Safety (OEIS) docket and the service list of Rulemaking (R.) 18-10-007.

Specifically, this QDR provides the following:

- Non-Spatial Data Tables in the format provided by OEIS ("SDGE_2023_Q1_Tables1-15_R0.xlsx")
- Geodatabase files containing SDG&E's currently available WMP reportable data in the schema provided by OEIS (confidential file "SDGE_2023_Q1.gdb.zip") and non-confidential version ("SDGE_2023_Q1NonConfidential.gdb.zip")[1] based on version 3.1 of the OEIS GIS schema. SDG&E is also providing an accompanying confidentiality declaration.
- The QDR Status Report, which in accordance with previously provided guidance, is an excel spreadsheet ("SDGE_2023_Q1_SpatialDataStatusReport.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_2023_Q1 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, and a public version can be available upon request.[2] SDG&E also includes two appendices that explain updates to the data.

SDG&E's Quarterly Data Report: Non-Spatial Tables 1 - 15

SDG&E has redesigned logic for 1,042 out of the 2,275 total metric count in accordance with V3.1 data guidelines. Out of the 2,275 total metric count, 952 metrics including 21 of the 41 initiatives in table one, have been automated. The following provides additional information, specific to and grouped by table.

Table 2 now incorporates one additional data area for non-routine (off-cycle) vegetation management inspections. This required the total population of HFTD trees within each VMA to be aggregated to derive the total number of trees inspected. It was determined that inspections may fall into the year previous to work being completed, creating inconsistent inspection counts. Additional coding work is required and expected to be complete by Q4 2023, to reconcile the count of past due work orders.

Table 2 has been updated with the latest metric values for "Response time to locked open circuit breaker." This is due to the implementation of improved logic to identify outages related to locked open circuit breakers. As a result, we have updated the metric values to reflect this improvement.

[1] For the nonconfidential geodatabase file, please reach out to Maddy Strutner (mstrutner@sdge.com).
[2] California Office of Energy Infrastructure Safety – Data Submission Procedures (July 27, 2021).

Table 5 going forward will include all unaudited risk events in the "All Other" driver. This is because these outages are still under investigation, and the cause codes have not been identified. SDG&E will adjust these risk events to the appropriate drivers in the next quarter once auditing is complete.

Tables 7, 8, and 9 require reporting on net new, upgraded, and decommissioned electric infrastructure on a quarterly basis. Quarterly changes do not reflect work that is completed in the field due to timing of digitization in the source system. Large projects require true-up analysis before digitizing, which could take up to months to complete. Actual completion of work is reported in Table 1 and the spatial QDR. SDG&E recommends Tables 7, 8, and 9 be required annually, which will better reflect true net changes to electric infrastructure.

SDG&E has reviewed the spatial overlay calculations required in Table 7 to ensure alignment with linear measurements used in internal GIS reporting. In particular, the review of GIS functions utilized to select and manipulate conductor intersects with various boundaries to determine lengths like conductor mileage. Going forward, SDG&E plans to benchmark and standardize the spatial logic used in spatial reporting and expects continuous accuracy improvements in Tables 7, 8, and 9.

Table 10 now requires all Wind Warning Status to be produced for Recent use of PSPS for metrics 1.a, 1.b, and 1.c. This requirement also affects and is incorporated into Table 2 Risk Events, metric 1.e. This metric is required inconsistently across the PSPS metrics where at this time Energy Safety requests “All Wind Warning Status” and at other times requests “None” in the “Wind Warning Status” column. SDG&E requests that this be reported consistently across the required metrics.

Table 13 is being evaluated to understand how data can be more readily produced for future QDR submissions. SDG&E is currently unable to provide the following data points due to the inherent challenges with manual data collection from various work management systems. The inability to report on this data does not impact the remaining data reported.

- i. Date(s) the work order was reassessed or modified (if applicable)
- j. Due date of the work order after it was reassessed or modified (if applicable)
- k. Priority of the work order after it was reassessed or modified (if applicable)
- l. Reason for reassessment (if applicable)

A. SDG&E’s Quarterly Data Report: Spatial

SDG&E’s focus is on continuous improvement and therefore would like to highlight the areas that have been identified and will be a focus for future submissions:

- All version 3.0 (now V3.1) schema changes have been implemented for 2023-Q1 Submission.
- The Risk attributes in Primary Distribution Line have been added for all overhead spans. SDG&E calculates OverallUtilityRisk, IgnitionRisk, and PSPSRisk at the circuit segment level. Because the PrimaryDistributionLine feature class is defined at the span level, although named SegmentID, associating risk scores to the spans could be misleading. Therefore, SDG&E provides circuit segment risk scores by adding an additional column entitled Wings_Circuit_Segment_ID. Because the segment level risk is being displayed at the more granular span level, the OverallUtilityRisk, IgnitionRisk, and PSPSRisk columns should not be grouped and aggregated as

this will lead to inaccurate statistics at any level other than the Wings_Circuit_Segment_ID. The risk scores should be used for referential purposes only.

- SDG&E has modified the geodatabase template to add key fields helpful for future analysis.
- SDG&E will provide an additional Non-Confidential geodatabase to assist Energy Safety with responding to third party data requests.