

**ORA DATA REQUEST  
ORA-SDGE-119-TCR  
SDG&E 2019 GRC – A.17-10-007  
SDG&E RESPONSE  
DATE RECEIVED: FEBRUARY 2, 2018  
DATE RESPONDED: FEBRUARY 23, 2018**

**Exhibit Reference:** SDG&E-14

**SDG&E Witness:** Alan F. Colton

**Subject:** Planning process and justification for Capacity/Expansion projects

**Please provide the following:**

1. Page AFC-8 of Exhibit SDG&E-14 refers to a circuit analysis used to propose Reliability/Improvement projects. Provide the following regarding this circuit analysis:
  - a. The types of analysis performed, e.g., load flow, short circuit analysis, etc.,
  - b. SDG&E's name for this analysis process,
  - c. The name of the organization that performs the circuit analysis. If more than one organization contributes to the analysis, provide a table listing each organization involved and the specific tasks they perform within the analysis process.
  - d. Describe the types of information and format of information provided to the Reliability Assessment Team (RAT),
  - e. Frequency with which circuit analysis are performed and submitted to the RAT,
  - f. Frequency with which the RAT approves projects.

**SDG&E Response 01:**

- a. SDG&E has a proprietary distribution circuit analysis that calculates customer impacts based on assumed failure rates of the infrastructure on that circuit and the unique configuration of the circuit. The analysis is largely performed to prioritize SDG&E spend on cable replacement, circuit reconfiguration, and SCADA automation projects.
- b. SDG&E refers to this analysis process as a Reliability Circuit Analysis.
- c. The circuit analysis tool is maintained by the Electric Distribution Engineering and Electric Reliability groups. Electric Regional Operations performs the circuit analysis.
- d. The type of information that would be provided to the RAT when proposing a project would include circuit maps detailing existing reliability configuration and proposed configuration, existing projects that may/may not be in conflict, the Reliability Circuit Analysis details, major customers affected, customer concentration locations, and a conceptual cost estimate of each project with details.
- e. Presentations are performed and reviewed monthly.
- f. The RAT approves projects as needed with each regional district proposing projects as their workload permits. Lower dollar projects are approved by leadership review at the local district for efficiency. After business approvals occur, all projects are prioritized based on an efficient use of resources and/or urgency to sensitive customers by the project management team.

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2. Pages AFC-17 and AFC-18 of Exhibit SDG&E-14 refer to a planning process regarding Capacity/Expansion projects. Are any Reliability/Improvement projects in the current GRC justified based on the same planning process? If so, provide the name and budget code for each proposed project, how the project was approved, and all analysis or other documentation used to justify the project.

**SDG&E Response 02:**

No Reliability/Improvement projects in the current GRC have yet undergone the planning process quoted under the Capacity/Expansion category.

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3. Provide the name of the organization that generated the testimony and workpapers supporting SDG&E's request for Reliability/Improvement projects in Exhibit SDG&E-14. If more than one organization contributes to the process, provide a table listing each organization involved and the specific tasks they perform within this portion of the GRC process.

**SDG&E Response 03:**

SDG&E objects to this request under Rule 10.1 of the Commission's Rules of Practice and Procedure to the extent it seeks the production of information that is neither relevant to the subject matter involved in the pending proceeding nor is likely reasonably calculated to lead to the discovery of admissible evidence. Subject to and without waiving these objections, SDG&E responds as follows:

The content for the testimony and workpapers in Exhibit SDG&E-14 are crafted by several individuals in concert with and at the direction of the sponsoring witness, Alan Colton. These persons are assigned to a number of groups within the Electric Operations Division, including Electric Engineering, Transmission & Substation Operations, Construction Services and Electric Region Operations. Their work on the creation of testimony and workpapers is in addition to regularly assigned duties, these people each perform a wide variety of overlapping tasks including the development of forecasts, recommendation of testimony content and the responding to data requests. The physical publication of the testimony and workpapers is performed through Regulatory Affairs.

See the accompanying file, "ORA-SDGE-119 Q3\_5\_6.xlsx" for the organizations responsible for the specific Reliability/Improvement projects.

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4. Provide the results of the circuit analyses referenced in Question 2 for Reliability/Improvement projects included in the current GRC. Provide results in the original format used to transfer the information between the organizations listed in response to Questions 2 and 3 above. If SDG&E did not prepare a document or documents to comprehensively transfer this information:

- a. Describe how the circuit analysis is documented,
- b. Describe how RAT decisions, and the basis of those decisions, are documented,
- c. Provide, for each budget code listed in Section J (Reliability/Improvements) of Exhibit SDG&E-14, the analysis that justifies the need for each project, and the date it is needed.

**SDG&E Response 04:**

- a. Each reliability analysis snapshot is kept in the local district where it is generated. The approved project details and the financial output of the analysis is documented on a work order request that is submitted for job processing.

- b. RAT decisions are documented in meeting minutes.

- c. **This response contains Confidential and Protected Materials Pursuant to PUC Section 583, GO 66-D, and D.17-09-023.**

SDG&E does not have analyses for every project intended to fill the budgets listed above, as the workforce required to identify projects several years in advance, and the potential for system changes over that time would render much of that effort unused. Projects are identified 6-12 months prior to the project construction, analytical work is performed on each of these projects during that time. Two samples of this analysis are provided in the accompanying files “ORA-SDGE-119-Confidential - C355 Cable Replacement.pdf” and “ORA-SDGE-119-Confidential - Circuit 702 4-WAY SCADA AND CABLE RECONDUCTOR.pdf.”

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**5.** Are any projects included in Section J (Reliability/Improvements) of Exhibit SDG&E-14 included based on any process other than the RAT approval process? If so, provide the name and budget code for each proposed project, how the project was approved, and all analysis or other documentation used to justify the project.

**SDG&E Response 05:**

See the accompanying file, "ORA-SDGE-119 Q3\_5\_6.xlsx" for the processes associated with Reliability/Improvement projects.

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6. Page AFC-8 of Exhibit SDG&E-14 refers to the evaluation of alternatives to determine “the most cost-effective reliability benefit.” In the current GRC request, did SDG&E consider the use of alternatives (e.g., distributed energy resource portfolios) in lieu of any proposed Reliability/Improvement projects? If so, provide the name and budget code for each proposed project and SDG&E’s analysis showing that the proposed project is the best alternative.

**SDG&E Response 06:**

See the accompanying file, “ORA-SDGE-119 Q3\_5\_6.xlsx” for alternatives to Reliability/Improvement projects.