



ORA

Office of Ratepayer Advocates
California Public Utilities Commission

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<http://ora.ca.gov>

ORA DATA REQUEST

A.17-12-013: San Diego Gas & Electric Company (SDG&E) 2018 Rate Design Window

Date: 3/5/2018

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Response Due Date: 3/19/2018

Re: Data Request No. ORA-003

INSTRUCTIONS

You are instructed to answer the following Data Requests in the above-captioned proceeding, with written, verified responses per Public Utilities Code §§ 309.5 and 314, and Rules 1.1 and 10.1 of the California Public Utilities Commission's Rules of Practice and Procedure. Restate the text of each request prior to providing the response. For any questions, email the ORA contact(s) above with a copy to the ORA attorney.

Each Data Request is continuing in nature. Provide your response as it becomes available, but no later than the due date noted above. If you are unable to provide a response by this date, notify ORA as soon as possible, with a written explanation as to why the response date cannot be met and a best estimate of when the information can be provided. If you acquire additional

information after providing an answer to any request, you must supplement your response following the receipt of such additional information.

Identify the person providing the answer to each data request and his/her contact information. Responses should be provided both in the original electronic format, if available, and in hard copy. (If available in Word format, send the Word document and do not send the information as a PDF file.) All electronic documents submitted in response to this data request should be in readable, downloadable, printable, and searchable formats, unless use of such formats is infeasible. Each page should be numbered. If any of your answers refer to or reflect calculations, provide a copy of the supporting electronic files that were used to derive such calculations, such as Excel-compatible spreadsheets or computer programs, with data and formulas intact and functioning. Documents produced in response to the data requests should be Bates-numbered, and indexed if voluminous. Responses to data requests that refer to or incorporate documents should identify the particular documents referenced by Bates-numbers or Bates-range.

If a request, definition, or an instruction, is unclear, notify ORA as soon as possible. In any event, answer the request to the fullest extent possible, specifying the reason for your inability to answer the remaining portion of the Data Request.

DATA REQUESTS

SUBJECT: OPT-IN PILOT RESULTS AND TOU LOAD IMPACT ASSUMPTIONS

1. San Diego Gas and Electric (SDG&E) states on p. LW-14 lines 18-19 of its testimony, “SDG&E recently completed an ex ante load impact analysis that provides hourly estimates for the average residential customer on the “TOU-DR1” rate for SDG&E’s Mass TOU Default. These forecasted load impact results for 2020 are utilized in the GHG cost saving’s calculation provided in the Direct Testimony of Ben Montoya.”
 - a. Please provide all data, workpapers, formulas, documentation and the results of SDG&E’s ex ante load impacts analysis.
 - b. What average per customer percent load changes by time of use (TOU) period and by day type did SDG&E assume for its TOU-DR1 rate?
2. SDG&E states on p. LW-15 at lines 3-4 of its testimony, “Regression models analyzed historical data in explaining the relationship between customer usage, weather, and other regular usage patterns to simulate reference loads. Percentage load impacts were simulated by TOU pricing period and day type using the simulated reference loads, expected TOU prices, and assumed elasticity values (derived from the statewide SPP study).”
 - a. What type of regression did SDG&E use to forecast the reference loads? Did the regression produce 8760 hourly average customer loads, or loads according to some other time interval?
 - b. Please provide SDG&E’s regression model including all outputs and the SAS or other code used to produce the model.

- c. Which years of data did SDG&E use as inputs into the regression model? Did SDG&E use the same 14,000 customer sample for all of the historical years?
- d. Does the 14,000 customer sample exclude CARE customers in hot climate zones or any other groups excluded under P.U. Code section 745(c)?
- e. Please provide a comparison of the regression model's hourly reference load outputs to the historical hourly loads – e.g. compare the 8760 hourly simulated per customer reference load profile to the 8760 hourly average per customer load profiles of the historical years.
- f. Please provide all calculations showing how the percentage load impacts were calculated “using the simulated reference loads, expected TOU prices, and assumed elasticity values.”
- g. Please provide all calculations and data behind SDG&E's assumed price elasticity values.
- h. Does SDG&E assume any overall conservation effect from the rollout of residential default TOU? If so, please provide the calculations and the annual percentage value.

END OF REQUEST