

**ORA DATA REQUEST**  
**ORA-SDGE-059-MRK**  
**SDG&E 2019 GRC – A.17-10-007**  
**SDG&E RESPONSE**  
**DATE RECEIVED: DECEMBER 12, 2017**  
**DATE RESPONDED: JANUARY 3, 2018**

**Exhibit Reference:** SDG&E-37, page RMP-3

**SDG&E Witness:** Rose-Marie Payan

**Subject:** Gas Customer Forecast

**Please provide the following:**

1. In response to SDG&E's response to data request ORA-SDG&E-010-MRK, requesting working spreadsheets backing up the forecasts in Table RMP-2 so that every number in that table can be traced as to what data inputs contributed to that number and how these data inputs were manipulated to achieve that number, SDG&E provided spreadsheets one of which, "ORA SDG&E 010\_GRC FORECAST\_Quarterly To Annual\_Attachment Q1\_C-1.xls", contained computations backing up the forecasts in Table RMP-2. However the computations involved hard coded calibration constants. See the attached two screen-shots of the tab "ANNUAL GRC 2019" in the spreadsheet "ORA SDG&E 010\_GRC FORECAST\_Quarterly To Annual\_Attachment Q1\_C-1.xls" pasted into the attached word document "ORA SDG&E 010\_GRC FORECAST\_Quarterly To Annual\_docs." Each screen shot contains a note from Rose Marie Payan about these calibrations. ORA has not been able to find any other documentation for the calibration constants .00503, .007019, etc, having searched Rose Marie Payan's testimony, workpapers, and data response to ORA-SDG&E-010-MRK. Please now provide a working spreadsheet that contains active links and working cell entries backing up every number in Table RMP-2.

Please explain the meaning of the calibration constants and why SDG&E decided to use them to modify the regression results. Please explicitly inform ORA of any other calibration constants it has used.

**SDG&E Response 1:**

SDG&E incorporates by reference SoCalGas' objection to ORA-SCG-042 regarding linked forms. Subject to and without waiving the foregoing objection, SDG&E responds as follows:

In SDG&E's response to data request ORA-SDGE-010, SDG&E submitted file *ORA SDGE 010\_GRC FORECAST\_QUARTERLY TO ANNUAL\_Attachment Q1\_C-1.xls*. The previously submitted file has now been updated; see separately attached file *ORA SDGE 059 MRK\_Q1\_GRC FORECAST\_QUARTERLY TO ANNUAL.xls* provided with this response, to include the following two new tabs: (1) Table SDG&E RMP-2 and (2) Residential Regression Output. The file has been updated to provide links to facilitate ORA's review in tracing the specific numbers in Table SDG&E-RMP-2 shown on page RMP-4 of the Gas Customer Forecast testimony of Rose-Marie Payan (Exhibit SDG&E-37) to the data inputs and to further explain the calibration constants referenced in this data request.

Table SDG&E-RMP-2 in Exhibit SDG&E-37 includes a summary of the forecasted load by market segment for the years 2016-2019. The table, as it appears in testimony, has also been included in the attached Excel spreadsheet on tab "Table SDGE RMP-2," and all the numbers

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**SDG&E Response 1 Continued:**

shown have established links to the location of the forecast. The forecast by market segment is linked to the tab titled “Annual GRC 2019.” Upon review of the table, it appears that the segment for Noncore Commercial and Industrial (C+I) was not shown in the testimony. The Commercial & Industrial line in Table SDG&E-RMP-2 both in the testimony Exhibit SDG&E-37 and tab “Table SDG&E RMP 2” of the attached spreadsheet is for Core C+I customers only. The Noncore C+I customer information is provided in tab “Annual GRC 2019.” However, all the numbers, including the total, shown in tab “Table SDG&E RMP-2” and in the testimony, are correct.

The referenced calibration constants .00503, .007019, etc., are growth rates of the residential units. Once a fitted relationship is established, a comparison is made between the historical data and the predicted values for the most recent observed historical period. As a final step, the model forecasts are calibrated with the last recorded actuals so the forecast and historical trend are consistent. The derivation of the growth factors is shown in tab “Residential Regression Output.xls” of the separately attached worksheet. The calibration was exclusively applied to the residential market.