

**ORA DATA REQUEST
ORA-SCG-006-MRK
SOCALGAS 2019 GRC – A.17-10-007
SOCALGAS RESPONSE
DATE RECEIVED: NOVEMBER 2, 2017
DATE RESPONDED: NOVEMBER 16, 2017**

Exhibit Reference: SCG-39

SCG Witness: Rose-Marie Payan

Subject: Gas Customer Forecast

1. Referring to SCG's testimony, page RMP-3, lines 8-9: "Detailed equations, methods and data are shown in my workpapers in Exhibit SCG-39-WP." The electronic version of the workpapers supplied October 26, 2017 are not clearly documented and do not supply enough information. The attached screenshot of Sempra's workpaper entitled "Forecast" is a partial picture of SCG's spreadsheet entitled "SCG-39 WP_ForecastPayan.xlsx" and the attached screenshot of Sempra's workpaper entitled "Source" is a partial picture of SCG's spreadsheet titled "SCG-39 WP_SourceData_Payan.xlsx". The "Forecast" highlights the 2016 active commercial meter count of 188,465 and refers to the "source" at cell F44, as indicated in the code in the top line. But cell F44 in the source corresponds to year 1989. As to the extra needed information, the issue is that all of the numbers in "SCG-39 WP_SourceData_Payan.xlsx" are hard coded.

Please provide a more clearly documented working spreadsheet backing up the forecasts in Table RMP-3, 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. Include all calculations and formulas in Excel format. If any statistical packages were used in producing the numbers in "SCG-39 WP_SourceData_Payan.xlsx" then the log and output of that package should be supplied. If all extra statistical analysis was done via spreadsheet, then those spreadsheets should be provided.

SoCalGas Response 1:

Please see the separately attached files listed below:

ORA SCG 006 Attachment Q1 FILE A_FORECAST TABLE ANNUAL CONNECTED.xlsx
ORA SCG 006 Attachment Q1 FILE B_QUARTER TO ANNUAL AVERAGES AND ESTIMATION REPOSITORY.xlsx
ORA SCG 006 Attachment Q1 File C_SFmeters.xlsx
ORA SCG 006 Attachment Q1 File D_Meters.xlsx

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2. Please provide detailed statistical models and equations backing up every number in Table RMP-3. Please also provide statistical diagnosis for every statistical model used, including a copy of the output from each statistical model. The statistical diagnosis should include P values as well as T values for each estimated parameter. The statistical diagnosis should include SSE, MSE, Root MSE, DFE, Total Rsq, and Durbin Watson statistics for each model.

SoCalGas Response 2:

Please see the separately attached file listed below:

ORA SCG 006 MRK Attachment Q2_SUMMARY STATISTICS FOR MODELS.pdf