APPLICATION OF SOUTHERN CALIFORNIA GAS COMPANY & SAN DIEGO GAS & ELECTRIC COMPANY FOR AUTHORITY TO REVISE THEIR NATURAL GAS RATES AND IMPLEMENT STORAGE PROPOSALS IN THE 2024 COST ALLOCATION PROCEEDING

(A.22-09-015)

(DATA REQUEST SET 3 FROM SOUTHERN CALIFORNIA GENERATION COALITION DATED APRIL 19, 2023)

SOCALGAS RESPONSE DATED: MAY 3, 2023

Question 3.1:

3.1. Please provide the systemwide HDDs by year from 1983-2022 for both SoCalGas and SDG&E.

Response 3.1:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.

SoCalGas 1983-2021 HDD data are in CAP Excel workpaper, "Ch2_Guo_SCG_weather_design", tab "Yr_by_Mo(Annual_Hdd)".

SDG&E 1983-2021 HDD data are in CAP Excel workpaper, "Ch2_Guo_SDGE_weather_design", tab "Yr_by_Mo(Annual_Hdd)".

2022 HDDs were not used in this CAP; therefore, are not included in the workpapers. SoCalGas and SDG&E's HDD values for 2022 are:

Year	SoCalGas HDD	SDG&E HDD
2022	1,203	1,422

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(A.22-09-015)

(DATA REQUEST SET 3 FROM SOUTHERN CALIFORNIA GENERATION COALITION DATED APRIL 19, 2023)

SOCALGAS RESPONSE DATED: MAY 3, 2023

Question 3.2:

3.2. Please provide the twenty-year trends, starting with 1983-2002, then 1984-2003, 1985-2004, and so on until years 2002-2021 and 2003-2022 for both SoCalGas and SDG&E.

Response 3.2:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.

SoCalGas twenty-year trends are in CAP Excel workpaper, "Ch2_Guo_SCG_weather_design", tab "HDD 20YrAvg Trend".

SDG&E twenty-year trends are in CAP Excel workpaper, "Ch2_Guo_SDGE_weather_design", tab "HDD 20YrAvg Trend".

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(A.22-09-015)

(DATA REQUEST SET 3 FROM SOUTHERN CALIFORNIA GENERATION COALITION DATED APRIL 19, 2023)

SOCALGAS RESPONSE DATED: MAY 3, 2023

Question 3.3:

3.3. Please provide in working Excel format the statistical analysis that was performed to produce:

3.3.1. The SoCalGas cold year HDD values by month and annual average.

Response 3.3.1:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.
SoCalGas cold year HDD values by month and annual average are in CAP Excel workpaper, "Ch2_Guo_SCG_weather_design", tab "SCG Weather Design".

3.3.2. The SDG&E cold year HDD values by month and annual average.

Response 3.3.2:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.

SDG&E cold year HDD values by month and annual average are in CAP Excel workpaper, "Ch2_Guo_SDGE_weather_design", tab "SDGE Weather Design".

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(A.22-09-015)

(DATA REQUEST SET 3 FROM SOUTHERN CALIFORNIA GENERATION COALITION DATED APRIL 19, 2023)

SOCALGAS RESPONSE DATED: MAY 3, 2023

Question 3.4:

3.4. Please provide the regression analysis in working Excel format used to derive the adjusted dataset that according to the statement at page 3, lines 7-8, has been used to calculate the cold year HDD for SoCalGas.

Response 3.4:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.
SoCalGas data and analysis are in CAP Excel workpaper, "Ch2_Guo_SCG_weather_design", tab "Pivot and Analysis" and tab "Regression 20yr".

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(A.22-09-015)

(DATA REQUEST SET 3 FROM SOUTHERN CALIFORNIA GENERATION COALITION DATED APRIL 19, 2023)

SOCALGAS RESPONSE DATED: MAY 3, 2023

Question 3.5:

3.5. Please provide the regression analysis in working Excel format used to derive the adjusted dataset that according to the statement at page 6, lines 8-9, has been used to calculate the cold year HDD for SDG&E.

Response 3.5:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.
SDG&E data and analysis are in CAP Excel workpaper, "Ch2_Guo_SDGE_weather_design", tab "Pivot and Analysis" and tab "Regression 20yr".

APPLICATION OF SOUTHERN CALIFORNIA GAS COMPANY & SAN DIEGO GAS & ELECTRIC COMPANY FOR AUTHORITY TO REVISE THEIR NATURAL GAS RATES AND IMPLEMENT STORAGE PROPOSALS IN THE 2024 COST ALLOCATION PROCEEDING

(A.22-09-015)

(DATA REQUEST SET 3 FROM SOUTHERN CALIFORNIA GENERATION COALITION DATED APRIL 19, 2023)

SOCALGAS RESPONSE DATED: MAY 3, 2023

Question 3.6:

3.6. At page 2, lines 8-10, the witness indicates that SoCalGas recommends reducing both the average year and cold year HDDs by 6 HDD annually. Using a format similar to Table 1, but extended the number of columns to represent each year of the cost allocation cycle, 2024-2028, please indicate for both the average year and cold year from which months the HDDs would be eliminated such that the eliminated HDDs would add up to 6 HDDs.

Response 3.6:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.
SoCalGas monthly weather design data are in CAP Excel workpaper, "Ch2_Guo_SCG_weather_design", tab "SCG Weather Design". For both average year and cold year, monthly HDDs are calculated using the same percentages of the base year.

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(A.22-09-015)

(DATA REQUEST SET 3 FROM SOUTHERN CALIFORNIA GENERATION COALITION DATED APRIL 19, 2023)

SOCALGAS RESPONSE DATED: MAY 3, 2023

Question 3.7:

3.7. At page 6, lines 4-5, the witness indicates that SDG&E recommends reducing both the average year and cold year HDDs by 6 HDD annually. Using a format similar to Table 6 but extended the number of columns to represent each year of the cost allocation cycle, 2024-2028, please indicate for both the average year and cold year from which months the HDDs would be eliminated such that the eliminated HDDs would add up to 6 HDDs.

Response 3.7:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.
SDG&E monthly weather design data are in CAP Excel workpaper, "Ch2_Guo_SDGE_weather_design", tab "SDGE Weather Design". For both average year and cold year, monthly HDDs are calculated using the same percentages of the base year.

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(A.22-09-015)

(DATA REQUEST SET 3 FROM SOUTHERN CALIFORNIA GENERATION COALITION DATED APRIL 19, 2023)

SOCALGAS RESPONSE DATED: MAY 3, 2023

Question 3.8:

3.8. At footnote 10, the witness describes the process by which SoCalGas defines its peak day temperature:

3.8.1. How many years of data does SoCalGas examine in determining its peak day temperature?

Response 3.8.1:

SoCalGas examined 72 years (1950-2021) of weather data in determining its peak day temperature.

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(A.22-09-015)

(DATA REQUEST SET 3 FROM SOUTHERN CALIFORNIA GENERATION COALITION DATED APRIL 19, 2023)

SOCALGAS RESPONSE DATED: MAY 3, 2023

3.8.2. Please provide the temperature data that SoCalGas has used to define its peak day temperature in this proceeding.

Response 3.8.2:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.

SoCalGas temperature data used for peak day analysis are in CAP Excel workpaper, "Ch2_Guo_SCG_peak_day_design", tab "Peak_day data".

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(A.22-09-015)

(DATA REQUEST SET 3 FROM SOUTHERN CALIFORNIA GENERATION COALITION DATED APRIL 19, 2023)

SOCALGAS RESPONSE DATED: MAY 3, 2023

3.8.3. Please provide a working Excel model that derives the peak day temperature from the data used by SoCalGas in this proceeding.

Response 3.8.3:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.

SoCalGas peak day temperature analysis is in CAP Excel workpaper, "Ch2_Guo_SCG_peak_day_design", tab "Peak_day Design".

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(A.22-09-015)

(DATA REQUEST SET 3 FROM SOUTHERN CALIFORNIA GENERATION COALITION DATED APRIL 19, 2023)

SOCALGAS RESPONSE DATED: MAY 3, 2023

Question 3.9:

3.9. At footnote 15, the witness describes the process by which SDG&E defines its peak day temperature:

3.9.1. How many years of data does SDG&E examine in determining its peak day temperature?

Response 3.9.1:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.
SDG&E examined 50 years (1972-2021) of weather data in determining its peak day temperature.

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SOCALGAS RESPONSE DATED: MAY 3, 2023

3.9.2. Please provide the temperature data that SDG&E has used to define its peak day temperature in this proceeding.

Response 3.9.2:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.
SDG&E temperature data used for peak day analysis are in CAP Excel workpaper, "Ch2_Guo_SDGE_peak_day_design", tab "Peak_day data".

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(A.22-09-015)

(DATA REQUEST SET 3 FROM SOUTHERN CALIFORNIA GENERATION COALITION DATED APRIL 19, 2023)

SOCALGAS RESPONSE DATED: MAY 3, 2023

3.9.3. Please provide a working Excel model that derives the peak day temperature from the data used by SDG&E in this proceeding.

Response 3.9.3:

See Excel files provided in Response to SCGC DR Set 1, Question 1.1.

SDG&E peak day temperature analysis is in CAP Excel workpaper, "Ch2_Guo_SDGE_peak_day_design", tab "Peak_day Design".