

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 TURN-SEU-5)

DATA RECEIVED: May 12, 2023

DATE RESPONDED: May 26, 2023

**Question 1:**

1. Re: Ch9 Workpapers Ch9\_SCG 2020 2024TCAP LRMC Customer Costs. Please provide the depreciation schedules for both (1) Single Family and (2) Multifamily:
  - a. Residential meter

**Response 1a.**

The depreciation characteristics that are used to develop the RECC and PVRR factors used in the LRMC Customer Cost study presented in A.22-09-015, Chapter 9 – Prepared Direct Testimony of Marjorie Schmidt-Pines, are shown in workpaper “1 SCG 2024TCAP Customer Costs.pdf”, page 37 of 38.

As provided in Response 24 to Data Request TURN-SEU-4, depreciation schedules are used in the capital components of the Adjusted Rental Methods 1 and 2 in the residential customer connection costs shown in A.22-09-015, Chapter 13 – Prepared Direct Testimony of Iftekharul (Sharim) Chaudhury, Tables 6 and 7. See workpaper 6 SCG Rate Base 2021 – SRM.pdf.

- b. Residential Regulator

**Response 1b.**

See Response 1a.

- c. Service Lines

**Response 1c.**

See Response 1a.

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**Question 2:**

2. Re: Ch9 Workpapers Ch9\_SCG 2020 2024TCAP LRMC Customer Costs. Please provide the expected (forecasted, modeled – please clarify) useful lives for both (1) Single Family and (2) Multifamily:

- a. Residential meter

**Response 2a.**

In the tab, “2021 RECC”, the life of a meter is 25 years. Meter and Regulator Installations is 30 years. The life span data source is the GRC testimony of SoCalGas Witness Flora Ngai ([Microsoft Word - SCG-36-R Ngai Revised Direct Testimony FINAL \(socalgas.com\)](#)). There is no difference between 1) Single Family and (2) Multifamily.

- b. Residential Regulator

**Response 2b.**

In the tab, “2021 RECC”, the life of a regulator is 33 years. Meter and Regulator Installations is 30 years. The life span data source is the GRC testimony of SoCalGas Witness ([Microsoft Word - SCG-36-R Ngai Revised Direct Testimony FINAL \(socalgas.com\)](#)).

- c. Service Lines.

**Response 2c.**

In the tab, “2021 RECC”, the life of a service line is 67 years. The life span data source is the GRC testimony of SoCalGas witness Flora Ngai ([Microsoft Word - SCG-36-R Ngai Revised Direct Testimony FINAL \(socalgas.com\)](#)).

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**Question 3:**

3. Re: Ch9 Workpapers Ch9\_SCG 2020 2024TCAP LRMC Customer Costs. Please list all residential meter models currently in service in SoCalGas's service territory, separating single family and multifamily installations. For each residential meter model, please provide the

a. Historic recorded and forecast replacement cost

**Response 3a.**

This response is forthcoming at a later date.

b. Historic recorded and forecast useful life in years

**Response 3b.**

This response is forthcoming at a later date.

c. Number of meters in service

**Response 3c.**

This response is forthcoming at a later date.

d. Average remaining years in service for each model, accounting for all in service vintages of that model.

**Response 3d.**

This response is forthcoming at a later date.

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**Question 4:**

4. Re: Ch9 Workpapers Ch9\_SCG 2020 2024TCAP LRMC Customer Costs. Please provide the same information requested in Question 3 (all parts) for residential regulators and residential service lines currently in service in SoCalGas’s service territory, separating single family and multifamily installations.

**Response 4a.**

- a) In the tab, “Meter cost detail”, listed in rows 31:78, are the actual new regulator hookups in SoCalGas’s service territory using the recent five years of available data (2017 - 2021) and the regulator replacement cost, which is based on the 2021 historic cost. These costs are escalated with the meter and installation costs in tab, “cust 5 CAPEX” for 2024 replacement cost forecast. The historic recorded replacement costs for all the residential regulators currently in service in SoCalGas’ service territory is not readily available.

In the tab, “service cost detail”, listed in rows 30:67, are the actual new service lines in SoCalGas’s service territory using the recent five years of available data (2017 - 2021) and the replacement cost (2017 – 2021 historic cost). The historic recorded costs for all the residential service lines currently in service in SoCalGas’ service territory is not readily available. These costs are escalated in the tab, “cust 5 CAPEX” for 2024 replacement cost forecast.

**Response 4b.**

- b) Historic recorded and forecast useful life in years for all the residential regulators and service lines currently in service in SoCalGas’ service territory is not readily available. In the tab, “2021 RECC”, the life of a regulator is 33 years, and the life of services is 67 years

**Response 4c.**

- c) The number of regulators in service is the same as the number of meters shown in Response 3c. The service line footage by customers is shown below and in tab: “cust 8 o&m” row 40. There are 20,318,957 service lines.

		Residential			
		Multi Family	Master Meter		Residential Total
			Small	Large	
Total Service Line Footage	Single Family				
	231,707,635	58,800,895	11,613,724	14,016	302,136,270

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**Response 4d.**

d) See Response 3d.

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**Question 5:**

5. Re: Ch9 Workpapers: If the number of years for the depreciation, historical useful lives and modeled useful lives of the residential meter, regulator, and service line investments listed above in Questions 1-4 do not match, please explain in detail.

**Response 5:**

This response is forthcoming at a later date.

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**Question 6:**

6. Re: Ch 10 Workpapers: Table 11. Please provide the depreciation schedules (forecasted, modeled – please clarify) for both (1) Single Family and (2) Multifamily:
- a. Residential meter

**Response 6a.**

The depreciation characteristics that are used to develop the RECC and PVRR factors used in the LRCM Customer Cost study presented in A.22-09-015, Chapter 10 – Prepared Direct Testimony of Michael Foster, are shown in workpaper “6 SDGE 2024TCAP Misc Data.pdf”, first page.

As provided in Response 24 to In Data Request TURN-SEU-4, Response 24, depreciation schedules are used in the capital components of the Adjusted Rental Methods 1 and 2 in the residential customer connection costs shown in A.22-09-015, Chapter 13 – Prepared Direct Testimony of Iftekharul (Sharim) Chaudhury, Tables 6 and 7. See workpaper 8 SDGE Rate Base - 2021 SRM.pdf.

- b. Residential Regulator

**Response 6b.**

See Response 6a.

- c. Service Lines.

**Response 6c.**

See Response 6a.

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**Question 7:**

7. Re: Ch 10 Workpapers: Table 11. Please provide the expected (forecasted, modeled— please clarify) useful lives for both (1) Single Family and (2) Multifamily:

a. Residential meter

**Response 7a.**

In the file, “SDGE 2024TCAP Misc Data”, tab, “SDGE Gas RECC tables”, the life of a meters and regulators are 41 years. Meter and Regulator Installations is 35 years. The life span data source is the GRC. [Microsoft Word - LD2D-#317243-v3-Exh\\_SDGE-34\\_M\\_Vanderbilt\\_GRC\\_Depreciation\\_Testimony](#)

b. Residential Regulator

**Response 7b.**

See Response 7a.

c. Service Lines.

**Response 7c.**

In the file, “SDGE 2024TCAP Misc Data”, tab, “SDGE Gas RECC tables”, the life of services are 65 years. The life span data source is the GRC. [Microsoft Word - LD2D-#317243-v3-Exh\\_SDGE-34\\_M\\_Vanderbilt\\_GRC\\_Depreciation\\_Testimony](#)

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**Question 8:**

8. Re: Ch 10 Workpapers: Table 11. Please list all residential meter models currently in service in SDG&E’s service territory, separating single family and multifamily installations. For each residential meter model, please provide the

a. Historic recorded and forecast replacement cost

**Response 8a.**

In the file, Ch 10\_SDGE 2024TCAP LRMC Customer Costs, tab, “MSA Costs”, listed in columns E:F, are the meter, regulator fittings and installation replacement cost, which is based on the 2021 costs escalated to 2024 for the forecast replacement costs. The historic recorded costs for all the residential meter models and regulators currently in service in SoCalGas’ service territory is not readily available.

b. Historic recorded and forecast useful life in years

**Response 8b.**

See Response 7a. Historic recorded and forecast useful life in years for all the residential meter models currently in service in SDG&E’s service territory is not readily available.

c. Number of meters in service

**Response 8c.**

In the file, Ch 10\_SDGE 2024TCAP LRMC Customer Costs, tab, “Factors”, the 2021 number of customers (meters) that are in service for residential are:

Billing Determinants	Res				Total
	G-R	G-M	G-S	G-T	
A	B	C	D	E	F
2021Customers	847,801	16,309	219	176	864,505

The 2023 number of meters is 880,664. The breakdown between Single family and multifamily meters is not readily available.

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- d. Average remaining years in service for each model, accounting for all in service vintages of that model.

**Response 8d.**

This information is not readily available.

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**Question 9:**

9. Re: Ch 10 Workpapers: Table 11. Please provide the same information requested in Question 8 (all parts) for residential regulators and residential service lines currently in service in SDG&E's service territory, separating single family and multifamily installations.

**Response 9a.**

- a. See Response 8a for residential regulators. In the file, Ch 10\_SDGE 2024TCAP LRMC Customer Costs, tab, "MSA Rental", listed in column H, are the service line replacement cost forecast, which is based on the 2021 costs escalated to 2024 for the forecast replacement costs. The historic recorded costs for all the residential service line currently in service in SoCalGas' service territory is not readily available.

**Response 9b.**

- b. See Response 7b. Historic recorded and forecast useful life in years for all the residential service lines currently in service in SDG&E's service territory is not readily available.

**Response 9c.**

- c. The number of residential service lines in 2023 is 874,431.

**Response 9d.**

- d. This information is not readily available.

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**Question 10:**

10. Re: Ch10 Workpapers: If the number of years for the depreciation, historical useful lives and modeled useful lives of the residential meter, regulator, and service line investments listed above in Questions 6-9 do not match, please explain in detail.

**Response 10.**

Not applicable.

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**Question 11:**

11. Re: Ch10 Workpapers, Table 11: Please explain why SDG&E is using 2016 costs in the LRMC study. As part of your response, please address (a) whether this is the most recent period that the Company performed a LRMC study; and (b) whether the Company asserts that its expense/capital spending ratio for customer costs for the past 7 years since 2016 has been proportional to the ratio assumed in the 2016 study.

**Response 11.**

SDG&E is using 2021 costs in the LRMC study. The numbers were escalated to 2024. In the file, Ch 10\_SDGE 2024TCAP LRMC Customer Costs, the tab, "Cust LRMC", column B was inadvertently labeled 2016 and 2020. It should be labeled 2021 instead of 2016, 2024 instead of 2020.

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**Question 12:**

12. Re: Ch10 Workpapers, Table LRMCC-4. Please explain why there are some residential customers that require high pressure gas meters. As part of your response, address (a) whether these are multifamily or single family dwellings, and (b) how many appliances can be safely and reliably served by the high-pressure residential meters listed as active in the lower half of the table.

**Response 12.**

This response is forthcoming at a later date.

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**Question 13:**

13. Considering the Commission's decision in D.22-09-026 to disallow line extension allowances after July 1, 2023,

- a. Who will own the residential meter housing sets in SDG&E's and SoCalGas's service territory purchased after July 1, 2023?

**Response 13a.**

This response is forthcoming at a later date.

- b. Will the Applicants be responsible for property taxes on the property excluded from allowance under the Commission's decision in D.22-09-026 to disallow line extension allowances after July 1, 2023? Why or why no

**Response 13b.**

This response is forthcoming at a later date.