Company: Southern California Gas Company (U 904 G)

Proceeding: 2024 General Rate Case Application: A.22-05-015/-016 (cons.)

Exhibit No: SCG-40-WP-2R

SECOND REVISED WORKPAPERS TO PREPARED DIRECT TESTIMONY OF KHAI NGUYEN ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA



November 2022

Post-Test Year Ratemaking Workpapers – Second Revised

PROPOSED POST-TEST YEAR RATEMAKING MECHANISM - SCG

A. REVENUE REQUIREMENT

As described in my testimony (Exhibit SCG-40), SoCalGas's Post-Test Year (PTY) ratemaking mechanism proposes to adjust Test Year (TY) authorized revenue requirement in PTY's 2025, 2026 and 2027 for:

- 1. Labor and non-labor costs based on IHS Global Insight's (GI) forecast (Section B.1.),
- 2. Medical costs based on the Willis Towers Watson's actuarial forecast (Section B.2),
- 3. Capital-related revenue requirements using:
 - a) An escalated five-year average level of capital additions (Section C), and
 - b) A forecast for capital exceptions beyond TY 2024 (Section E).

The base margin amounts adopted in SoCalGas's TY 2024 are from the testimony of SoCalGas witness Ryan Hom (Exhibit SCG-39) and utilized throughout these workpapers. Table 1 below summarizes the total revenue requirement with SoCalGas's PTY ratemaking mechanism including Miscellaneous Revenues and Franchise Fees & Uncollectible (FF&U). FF&U is addressed in Section D.

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Table 1

Line	Description (\$ in millions)	PTY - 2025	PTY - 2026	PTY - 2027
No.	Description (of in minions)	2025	2020	111 2027
1	Total O&M Margin (Exc. FFU)	\$1,792.2	\$1,834.6	\$1,879.5
2	Medical Expense	\$103.6	\$109.3	\$114.7
3	Depreciation	96.1	69.7	
4	Taxes on Income	(23.1)	(19.7)	(18.5)
5	Taxes Other Than on Income	9.8	10.0	10.3
6	Return	97.7	49.9	49.0
7	Cost of Capital	-	-	-
8	PTY Capital Exception Related Costs (Exc. FF&U)	67.0	99.5	212.5
9	Total Capital-Related Costs (Exc. FFU) (Sum L3:L8)	247.5	209.4	324.4
10	Prior Year Capital Related Costs (Exc. FF&U)	2,362.8	2,610.4	2,819.8
11	FF&U	69.8	73.3	78.0
12	Total Base Margin (Inc. FF&U) (L1 + L2 +L9+ L10 + L11)	4,576.0	4,836.9	5,216.4
13	Miscellaneous Revenues	117.4	117.4	117.4
14	Total Revenue Requirement (L12 + L13)	4,693.43	4,954.4	5,333.8
15	Revenue Requirement Increase \$	\$295	\$261	\$379
16	Revenue Requirement Increase %	6.71%	5.56%	7.66%

B. OPERATION & MAINTENANCE ("O&M") EXPENSES

The starting base for O&M escalation is the TY 2024 revenue requirement excluding miscellaneous revenues, capital related margin, medical expense, franchise fees, and uncollectibles (O&M Margin). Medical costs are escalated separately, as described below in Section B2. After the PTY O&M and medical expenses are escalated, these costs will be grossed up for FF&U using the factors authorized in the TY 2024.

1. Escalation of O&M (excluding medical): For simplicity in calculating PTY escalation, a single weighted average gas O&M utility input price index (GOMPI) is used to adjust O&M expenses to reflect the expected cost inflation of goods and services that SoCalGas will incur to serve its customers. The calculation of GOMPI is described in Mr. Scott Wilder's testimony (Exhibit. SCG-36). The PTY O&M revenue requirement is calculated below (differences due to rounding) in Table 2.

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Table 2

Line No.	O&M Expense Adjustment (\$ in millions)	TY - 2024	PTY - 2025	PTY - 2026	PTY – 2027
1	Prior Year O&M Margin		\$1,754.7	\$1,792.2	\$1,834.6
2	O&M Escalation Rate		2.14%	2.36%	2.45%
3	Attrition Year O&M Escalation (L1 * L2)		\$38	\$42	\$45
4	O&M Expense (L1 + L3)	\$1,754.7	\$1,792.2	\$1,834.6	\$1,879.5

2. Escalation of Medical Costs: Medical costs adopted in SoCalGas's TY 2024 will be escalated annually using Willis Towers Watson's medical escalation projections as described in the testimony of Debbie Robinson (Exhibit SCG-25). The associated revenue requirement prior to FF&U gross up is calculated below (differences due to rounding) in Table 3.

Table 3

Line No.	Medical Cost Adjustment (\$ in millions)	TY – 2024	PTY – 2025	PTY – 2026	PTY – 2027
1	Prior Year Medical Expense (net)		\$97.7	\$103.6	\$109.3
2	Medical Escalation Rate		6.00%	5.50%	5.00%
3	Attrition Year Medical Escalation (L1 * L2)		\$6	\$6	\$5
4	Medical Expense (L1+ L3)	\$97.7	\$103.6	\$109.3	\$114.7

C. CAPITAL-RELATED

1. Five-Year Capital Additions Average: This section describes the development of PTY plant additions and other PTY rate base changes to determine the capital-related revenue requirement (authorized return, depreciation expense, tax). The recorded (2020-2021) plant additions are taken from historically recorded rate base. The recorded (2021) and forecasted (2022-2024) rate base components, plant additions and plant retirements are from the testimony and workpapers of Patrick Moersen (Exhibit SCG-31 and SCG-31-WP). Once each attrition year net plant additions are computed, incremental depreciation reserve, and deferred taxes are calculated in order to determine the rate base for each attrition year. The change in year over year rate base is then utilized to calculate the capital costs components of the revenue requirement.

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Table 4

Line No.	Capital-Related Attrition (\$ in millions)	TY - 2024	PTY - 2025	PTY - 2026	PTY – 2027
1	Prior Year Capital-Related Costs		\$2,343.1	\$2,523.6	\$2,633.5
2	Capital-Related Attrition		181	110	112
3	Capital-Related Costs (L1+ L2)	\$2,343.1	\$2,523.6	\$2,633.5	\$2,745.4

The development of the PTY rate base and the derivation of individual revenue requirement components are described in detail below.

- 2. Rate Base: The starting point in developing rate base for each attrition year is the prior year plant in service. Weighted average (WAVG) net plant additions for the attrition year are added, and current year changes to the net depreciation and accumulated deferred tax reserve are made:
 - a) Weighted Net Plant Additions:
 - The starting point used for the plant additions for the PTY is a five-year average of plant additions. The five-year average comprises two years of recorded (2020-2021, refer to Table-7, Line 7) and three years of forecasted (2022-2024 from the test year RO model, see Table-9, Line 13) capital additions. Each year is escalated to test year dollars and then averaged (Table-6, Line 9-11). The five-year average is then escalated to 2025, 2026 and 2027 (Table-6, Line 12). The five-year average excludes certain programs¹ to prevent double counting when determining the five-year average.
 - Plant retirements for the PTY are also calculated using a five-year average of retirements. The five-year average is comprises two years of recorded (2020-2021, refer to Table-8, Line 7) and three years of forecasted (2022-2024) capital retirements from the Test Year RO model (Table-9, Line 14). Each year is escalated to test year dollars (Table-6, Lines 15-17) and then averaged. The resulting five-year average is then escalated to 2025, 2026 and 2027 (Table-6, Line 18). The five-year average excludes certain

¹ Gas Integrity Management Programs (TIMP, DIMP, SIMP, GSEP).

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programs² to prevent double counting when determining the five-year average.

- 3) WAVG Net Plant Additions: Each PTY's WAVG net plant additions is calculated using the ratio of the prior year WAVG net plant additions balance to the prior year end of year (EOY) net plant additions balance multiplied by the attrition-year's EOY net plant additions. (Table-6, Line 2)
- 4) Change in Accumulated Depreciation Reserve: Each PTY's WAVG net depreciation reserve is calculated using the ratio of the attrition year WAVG plant in service balance to the prior year WAVG plant in service balance multiplied by the prior year's net depreciation reserve. Net depreciation reserve includes annual retirements, cost of removal and salvage. (Table-6, Line 5)
- b) Working Capital and Other: SoCalGas is not proposing to change the rate base elements of Materials and Supplies, Working Cash, Customer Advances for Construction, and deferred revenue from the Test Tear 2024 amounts. (Table 5, Line 4,5,7,8)
- c) Repair Deductions Rate Base Adjustment (2021 2043) (Table-5, Line 9): SoCalGas proposes to continue the amortization of this rate base adjustment as ordered in D.16-06-054, page 192, and adjusted for Tax Cuts & Jobs Act (TCJA) as discussed in the testimony and workpapers of witness Ragan Reeves (Exhibit SCG-33/Exhibit SCG-33-WP-Tax).
- d) Accumulated Deferred Taxes: 2017 Tax Cuts & Jobs Act Adj (Table-5, Line 11): SoCalGas calculated this rate base adjustment using the average rate assumption method (ARAM) as explained by witness Ragan Reeves (Exhibit SCG-33). SoCalGas proposes to continue the amortization of this adjustment into the PTYs.
- e) Change in Accumulated Deferred Taxes: Plant: Each PTY's WAVG accumulated deferred taxes is calculated using the ratio of

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² Gas Integrity Management Programs (TIMP, DIMP, SIMP, GSEP).

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the test year level of deferred taxes to the test year WAVG plant in service. (Table-5, Line 13)

f) Change in Accumulated Deferred Taxes – CIAC: Each PTY's WAVG accumulated deferred taxes is calculated using the ratio of the test year level of deferred taxes to the test year WAVG plant in service. (Table 5, Line 14)

The resulting Weighted Average Depreciated Rate Base and supporting calculations are shown in the tables below.

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Table 5

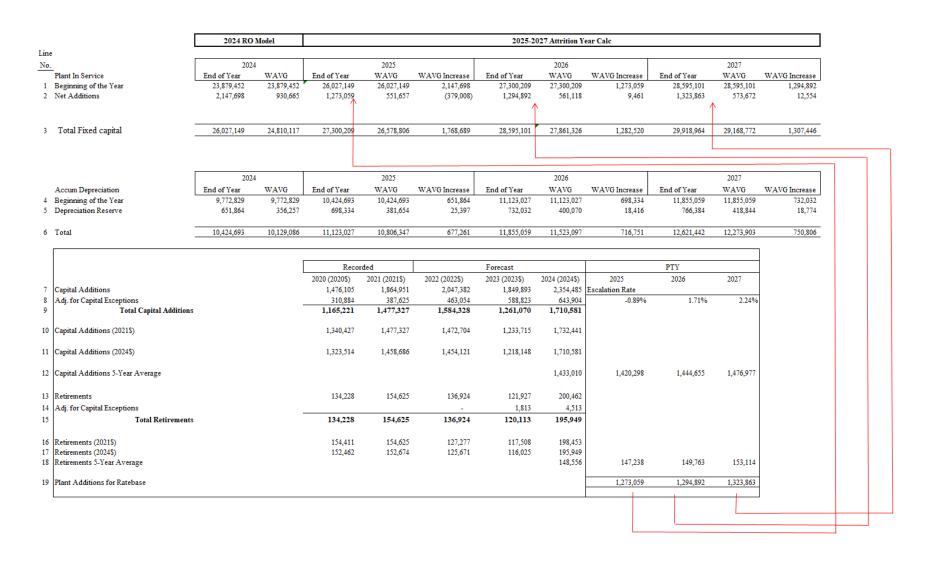
SOUTHERN CALIFORNIA GAS COMPANY

Weighted Average Depreciated Rate Base (Thousands of Dollars)

	2024 RO M	lodel				2025-2	2027 Attrition Y	ear
					1		1	
		Recorded			Test	AY	AY	AY
Line		Year	Estimated		Year			
No.	Account Description	2021	2022	2023	2024	2025	2026	2027
	Fixed Capital							
1	Plant In Service	19,249,235	21,049,956	22,857,584	24,810,117	26,578,806	27,861,326	29,168,772
2	Work-In-Progress (non-interest bearing)	21,960	3,419	1,602	1,517	1,517	1,517	1,517
3	Total Fixed Capital	19.271.195	21.053.375	22,859,187	24,811,634	26,580,323	27,862,843	29,170,289
3	Total Fixed Capital	17,271,173	21,033,373	22,037,107	24,011,034	20,360,323	27,002,043	25,170,205
	Working Capital							
4	Materials & Supplies	52,586	52,022	52,525	50,319	50,319	50,319	50,319
5	Working Cash	95,488	95,488	95,488	167,112	167,112	167,112	167,112
6	Total Working Capital	148,075	147,510	148,014	217,431	217,431	217,431	217,431
	Other							
7	Customer Advances For Construction	(141,023)	(158,505)	(169,998)	(181,490)	(181,490)	(181,490)	(181,490)
8	Deferred Revenue - ITCC	(52,355)	(54,232)	(60,242)	(64,255)	(64,255)	(64,255)	(64,255)
9	Repair Deductions Rate Base Adjustment (2021-2043)	(11,050)	(10,400)	(9,750)	(9,100)	(8,450)	(7,800)	(7,150)
10	Total Other	(204,427)	(223,138)	(239,989)	(254,845)	(254,195)	(253,545)	(252,895)
	Deductions For Reserves							
11	Accumulated Deferred Taxes - 2017 Tax Cuts & Jobs Act Adj	494,944	485,029	474,991	465,065	455,139	445,213	435,286
12	Accumulated Depreciation Reserve	8,456,635	8,930,908	9,479,067	10,129,086	10,806,347	11,523,097	12,273,903
13	Accumulated Deferred Taxes - Plant	1,011,527	1,014,467	1,018,012	1,033,798	1,107,496	1,160,937	1,215,416
14	Accumulated Deferred Taxes - CIAC	(144,652)	(155,572)	(169,249)	(179,277)	(192,057)	(201,325)	(210,772)
15	Accumulated Deferred Investment Tax Credits	0	0	0	0	0	0	0
16	Total Deductions For Reserves	9,818,455	10,274,832	10,802,821	11,448,671	12,176,924	12,927,922	13,713,833
17	Weighted Average Depreciated Rate Base	9,396,387	10,702,916	11,964,390	13,325,549	14,366,635	14,898,808	15,420,993

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Table 7

Southern California Gas Company Gas Plant in Service Additions

(\$ in Thousands)

Line No.	o. Description Recorded		Forecasts		Exclusions For Post-Test Year Capital Exceptions			Adjusted Additions								
		2020	<u>2021</u>	2022	<u>2023</u>	2024	2020	<u>2021</u>	2022	2023	2024	2020	<u>2021</u>	2022	2023	2024
1	Intangible	-	640	-	-	-	-	-	-	-	-	-	640	-	-	-
2	Storage	108,250	178,061	265,553	241,160	236,703	48,477	80,462	21,322	55,184	44,924	59,772	97,599	244,231	185,976	191,779
3	Transmission	385,213	699,089	500,632	531,294	568,395	52,654	97,381	80,756	150,801	232,213	332,558	601,708	419,876	380,493	336,182
4	Distribution	740,042	745,686	818,144	820,767	826,018	191,413	198,451	341,262	363,091	350,616	548,630	547,235	476,881	457,676	475,402
5	General Plant	242,600	241,475	463,054	256,672	723,370	18,340	11,331	19,714	19,746	16,151	224,261	230,144	443,340	236,926	707,219
6	Cushion Gas Purchases	-	-				-	-				-	-	-	-	-
7	Total Additions (L1 + L2 + L3 + L4 + L5 + L6)	1,476,105	1,864,951	2,047,382	1,849,893	2,354,485	310,884	387,625	463,054	588,823	643,904	1,165,221	1,477,327	1,584,328	1,261,070	1,710,581

Table 8

Southern California Gas Company Gas Plant in Service Retirements

(\$ in Thousands)

(\$ in Thou	usands)															
Line No.	Description	Description Recorded		Forecasts		Exclusions For Post-Test Year Capital Exceptions			Adjusted Retirements							
		2020	<u>2021</u>	2022	2023	2024	2020	2021	2022	2023	2024	2020	<u>2021</u>	2022	2023	2024
1	Intangible	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Storage	17,600	45,957	30,276	34,353	35,773	-	-	-	401	1,454	17,600	45,957	30,276	33,952	34,318
3	Transmission	13,518	15,112	10,024	11,208	11,689	-	-	-	186	532	13,518	15,112	10,024	11,021	11,158
4	Distribution	47,301	54,083	45,483	48,605	47,938	-	-	-	1,226	2,527	47,301	54,083	45,483	47,379	45,412
5	General Plant	55,808	39,473	51,140	27,760	105,062	-	-	-	-	-	55,808	39,473	51,140	27,760	105,062
6	Cushion Gas Purchases	-	-				-	-	-	-	-	-	-	-	-	_
7	Total Additions (L1 + L2 + L3 + L4 + L5 + L6)	134,228	154,625	136,924	121,926	200,462	0	0	0	1,813	4,513	134,228	154,625	136,924	120,113	195,949

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Table 9

Southern California Gas Company Calculation of Monthly CWIP, Plant and Accumulated Depreciation Balances (Thousands of Dollars)

Asset Type: Total Utility Plant

	_			
Line No.		2022	2023	2024
1	Beg Month CWIP Balance	950,908	1,049,939	1,209,856
2	Expenditures	2,055,929	1,911,279	2,062,939
3	Expenditures - AFUDC	90,484	98,532	106,230
4	Total Expenditures	2,146,413	2,009,810	2,169,169
5	Additions	1,978,427	1,780,009	2,240,283
6	Additions - AFUDC	68,956	69,884	114,203
7	Total Additions	2,047,382	1,849,893	2,354,485
8	End Month CWIP	1,049,939	1,209,856	1,024,540
9	Interest Bearing CWIP	1,048,563	1,208,540	1,023,258
10	Non-interest Bearing CWIP	1,376	1,316	1,282
11	End Month CWIP	1,049,939	1,209,856	1,024,540
12	Beg Month Plant Balance	20,241,027	22,151,485	23,879,452
13	Additions	2,047,382	1,849,893	2,354,485
14	Retirements	136,924	121,927	206,788
15	Transfers	0	0	0
16	End Month Plant Balance	22,151,485	23,879,452	26,027,149
17	Depreciation Accrual Accrual Monthly Rate	754,831	816,576	970,383
18	Beg Month Reserve Balance	8,672,865	9,185,757	9,772,829
19	Provision	754,831	816,576	970,383
20	Retirements	136,909	121,912	206,773
21	Salvage	410	441	475
22	Removal Costs	105,440	108,034	112,222
23	Transfers	-	0	0
24	End Month Reserve Balance	9,185,757	9,772,829	10,424,693

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- 3. Capital-Related Revenue Requirement Calculations: The capital-related revenue requirement components for each attrition year are calculated using the methodologies described below:
 - a) Depreciation Expense: Depreciation expense is calculated by multiplying the current PTY plant-in-service weighted average increase by the test year's system average depreciation rate. (Table-10, Lines 1-7)
 - b) Ad Valorem Tax: Ad Valorem Tax is calculated by multiplying the current attrition year additions by the test year's system ad valorem tax rate. (Table-10, Lines 8-12)
 - c) Payroll Tax: Payroll Tax is calculated by multiplying the prior year payroll taxes by the current attrition year labor escalation rate forecasted by Global Insight. (Table-10, Lines 13-15)
 - d) Long-Term Debt Cost: Long-Term Debt Cost is calculated by multiplying the attrition year change in weighted average rate base by the authorized weighted cost of Long-Term Debt. (Table-11, Lines 4-8)
 - e) Preferred Stock Cost: Preferred Stock Cost is calculated by multiplying the attrition year change in weighted average rate base by the authorized weighted return on Preferred Stock. (Table-11, Lines 9-15)
 - f) Common Equity Cost: Common Equity Cost is calculated by multiplying the attrition year change in weighted average rate base by the authorized weighted return on Common Equity. (Table-11, Lines 16-22)
 - g) Federal Tax Depreciation: Federal Tax Depreciation income tax expense is calculated by multiplying current attrition year additions by the test year's system average federal tax depreciation rate and by the federal income tax rate. (Table-12, Lines 1-9)
 - h) State Tax Depreciation: State Tax Depreciation income tax expense is calculated by multiplying the current attrition year additions by the test year's system average state tax depreciation rate and by the state income tax rate. (Table-12, Lines 10-18)

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- i) California Corporation Franchise Tax (Prior Year): Prior Year's state income tax is a deduction for federal income tax purposes. (Table-13, Lines 1-22)
- j) Gross Ups: All revenue requirement components which are not directly deductible for income taxes are grossed up for income taxes. These are Book Depreciation, State Tax Depreciation, Federal Tax Depreciation, Preferred Stock Cost, Common Equity Cost, and California Corporation Franchise Tax (Prior Year). All revenue requirement components are grossed up for FF&U using the factors referenced in Section D.

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Table 10

Southern California Gas Company 2024 GRC Calculation of Revenue Requirement Increase (Thousands of Dollars)

		Section-1			
Line	Depreciation Expense	2024	2025	2026	2027
1	2024 Accrual	970,383			
2	/ 2024 Wtd Avg Plant in Service	24,810,117			
3	= System Average Depreciation Rate	3.91%	3.91%	3.91%	3.91%
4	x Plant in Service Weighted Average Increase		1,768,689	1,282,520	1,307,446
5	= Increase in Depreciation Expense		69,178	50,162	51,137
6	x Net-to-Gross Multiplier	1.3885726	1.3885726	1.3885726	1.3885726
7	= Increase in Revenue Requirements		96,058	69,654	71,008
	Ad Valorem Taxes				
8	2024 Ad Valorem Taxes	167,046			
9	/ 2024 Plant in Service	26,027,149			
10	= System Average Ad Valorem Tax Rate	0.64%	0.64%	0.64%	0.64%
11	x Current Attrition Year Additions		1,273,059	1,294,892	1,323,863
12	= Increase Full Year Additions		8,171	8,311	8,497
	Payroll Taxes				
13	Prior Year Payroll Taxes		58,478	60,109	61,825
14	x Current Year Labor Escalation Rate		2.79%	2.85%	2.89%
15	= Increase in Full Year Additions		1,631	1,716	1,789

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Table 11

Southern California Gas Company 2024 GRC

Calculation of Revenue Requirement Increase (Thousands of Dollars)

		Section-2			
Line	Change in Weighed Average Ratebase	2024	2025	2026	2027
1	2024 Test Year Weighted Average Ratebase	13,325,549	13,325,549		
2	Weighed Average Ratebase		14,366,635	14,898,808	15,420,993
3	Change in Weighted Average Ratebase		1,041,086	532,173	522,185
	Long Term Debt				
4	Prior Year Return on Debt	4.23%	4.23%	4.23%	4.23%
5	x Prior Year Debt Capitalization	45.60%	45.60%	45.60%	45.60%
6	= Prior Year Weighted Cost of Debt	1.93%	1.93%	1.93%	1.93%
7	x Change in Weighted Average Ratebase		1,041,086	532,173	522,185
8	= Increase in Revenue Requirements		20,081	10,265	10,072
	Preferred Stock				
9	Prior Year Return on Preferred Stock	6.00%	6.00%	6.00%	6.00%
10	x Prior Year Preferred Stock Capitalization	2.40%	2.40%	2.40%	2.40%
11	= Prior Year Weighted Cost of Preferred Stock	0.14%	0.14%	0.14%	0.14%
12	x Change in Weighted Average Ratebase		1,041,086	532,173	522,185
13	= Change in Weighted Cost of Preferred Stock		1,499	766	752
14	x Net-to-Gross Multiplier	1.3885726	1.3885726	1.3885726	1.3885726
15	= Increase in Revenue Requirements		2,082	1,064	1,044
	Common Equity				
16	Prior Return on Common Equity	10.05%	10.05%	10.05%	10.05%
17	x Prior Year Common Equity Capitalization	52.00%	52.00%	52.00%	52.00%
18	= Prior Year Weighted Cost of Common Equity	5.23%	5.23%	5.23%	5.23%
19	x Change in Weighted Average Ratebase		1,041,086	532,173	522,185
20	= Change in Weighted Cost of Common Equity		54,407	27,811	27,289
21	x Net-to-Gross Multiplier	1.3885726	1.3885726	1.3885726	1.3885726
22	= Increase in Revenue Requirements		75,548	38,618	37,893
23	Total Increase in Revenue Requirements		97,711	49,947	49,010

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Table 12

Southern California Gas Company 2024 GRC Calculation of Revenue Requirement Increase (Thousands of Dollars)

		Section-3			
Line	Federal Tax Depreciation (ACRS/MACRS Basis)	2024	2025	2026	2027
1	2024 Federal Tax Depreciation	787,887			
2	/ 2024 Plant in Service	26,027,149			
3	= System Average Federal Tax Depreciation Rate	3.03%	3.03%	3.03%	3.03%
4	x Current Attrition Year Additions		1,273,059	1,294,892	1,323,863
5	= Increase in Federal Tax Depreciation Expense		38,538	39,199	40,076
6	x -Federal Income Tax Rate	(0.210)	(0.210)	(0.210)	(0.210)
7	= Federal Income Taxes	•	(8,093)	(8,232)	(8,416)
8	x Net-to-Gross Multiplier	1.3885726	1.3885726	1.3885726	1.3885726
9	= Increase in Revenue Requirements		(11,238)	(11,430)	(11,686)
	State Tax Depreciation				
10	2024 State Tax Depreciation	894,429			
11	/ 2024 Plant in Service	26,027,149			
12	= System Average State Tax Depreciation Rate	3.44%	3.44%	3.44%	3.44%
13	x Current Attrition Year Additions		1,273,059	1,294,892	1,323,863
16	= State Income Taxes		(3,867)	(3,934)	(4,022)
17	x Net-to-Gross Multiplier	1.3885726	1.3885726	1.3885726	1.3885726
18	= Increase in Revenue Requirements		(5,370)	(5,462)	(5,584)

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Table 13

Southern California Gas Company 2024 GRC Calculation of Revenue Requirement Increase (Thousands of Dollars)

	Section-4			
Line	California Corporation Franchise Tax (Prior Year)	2025	2026	2027
1	+ Depreciation	·	96,058	69,654
2	+ State Tax Depreciation		(5,370)	(5,462)
3	+ Federal Tax Depreciation (ACRS/MACRS)		(11,238)	(11,430)
4	+ Ratebase: Preferred Stock		2,082	1,064
5	+ Ratebase: Common Stock Equity		75,548	38,618
6	+ Financial Component: Preferred Stock		-	-
7	:Common Equity		-	-
8	+ CCFT		(6,456)	(2,755)
9	+ State & Federal Rate Changes		-	-
10	= Increase in Revenue Requirements		150,624	89,689
12	= Prior Year State Income Tax Increase		13,315	7,928
13	+ Prior Year State Income Tax (State Tax Depreciation Expense)		(3,867)	(3,934)
14	+ Prior Year State Income Tax (State Rate Change)		-	-
15	= Prior Year Total State Income Taxes		9,448	3,995
16	Prior Year Current California Corp Franchise Tax	45,381	54,829	58,823
17	- Prior Year CCFT Deductible for Federal Income Taxes	23,240	45,381	54,829
18	= Increase CCFT Deduction on Federal Income Taxes	22,141	9,448	3,995
19	x -Federal Income Tax Rate	(0.2100)	(0.2100)	(0.2100)
20	= Federal Income Taxes	(4,650)	(1,984)	(839)
21	x Net-to-Gross Multiplier	1.3885726	1.3885726	1.3885726
22	= Increase in Revenue Requirements	(6,456)	(2,755)	(1,165)

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D. FRANCHISE FEES AND UNCOLLECTIBLE GROSS UP

Franchise Fees and Uncollectible Gross Up: The total resulting O&M will be grossed up for FF&U using the franchise fee factors of 1.2259% and the uncollectible factor of 0.310%. The calculation of the gross up factor is shown below:

Table 14

Line No.	Description	2024	2025	2026	2027
1	Revenues	1.000000	1.000000	1.000000	1.000000
2	Uncollectible Tax Rate	0.003100	0.003100	0.003100	0.003100
3	Uncollectible Amount Applied	1.000000	1.000000	1.000000	1.000000
_	• •				
4	Less: Uncollectible (L2 * L3)	0.003100	0.003100	0.003100	0.003100
5	Subtotal (L3 - L4)	0.996900	0.996900	0.996900	0.996900
6	Franchise Fees Tax Rate	0.012259	0.012259	0.012259	0.012259
7	Franchise Fees Amount Applied (L5)	0.996900	0.996900	0.996900	0.996900
8	Less: Franchise Fees (L6 * L7)	0.012221	0.012221	0.012221	0.012221
9	Subtotal (L7 - L8)	0.984679	0.984679	0.984679	0.984679
10	Franchise Fee and Uncollectible Factor (1 / L9)	1.015559	1.015559	1.015559	1.015559

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E. PTY CAPITAL EXCEPTION-RELATED COSTS

SoCalGas is proposing limited exceptions to the capital component of the post-test year mechanism, as described in my testimony. These limited exceptions are for capital projects that are either going into service in the post-test years or have capital that are proposed to be balanced in balancing accounts for which revenue requirement for each post-test year is needed for tracking of costs. The proposed capital exceptions are:

- Gas Integrity Programs
 - o Distribution Integrity Management Program (DIMP)
 - o Transmission Integrity Management Program (TIMP)
 - Storage Integrity Management Program (SIMP)
 - o Facilities Integrity Management Program (FIMP)
 - o Gas Safety Enhancement Programs (GSEP)
- Customer Information System Replacement Program (CIS)
- Honor Rancho Compressor Modernization (HRCM)

Tables 15-35 provide the revenue requirements calculation for each of the proposed capital exceptions.

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Table 15

Southern California Gas Company 2024 GRC Post Test Year DIMP Capital Related Costs

DIMP (\$ in Thousands of Dollars)	Total	2025	2026	2027
Revenue Requirement - Total	256,866	46,663	85,336	124,867
FF&U:	2,582	469	858	1,255
O&M:	-	-	-	-
Working Capital:	-	-	-	-
Depreciation:	69,817	12,797	23,124	33,896
Return on Common:	97,058	18,358	32,344	46,356
Return on Preferred:	2,674	506	891	1,277
Return On Debt:	35,823	6,776	11,938	17,110
Federal Taxes:	27,061	5,185	9,023	12,852
State Taxes:	7,292	1,098	2,412	3,781
Property Taxes:	14,559	1,474	4,746	8,339

Table 16

DIMP Rate Base & Return (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average Monthly Rate Base		351,276	618,903	887,030
Return on Equity (\$)	97,058	18,358	32,344	46,356
Weighted Return on Equity (%)		5.23%	5.23%	5.23%
Return on Preferred (\$)	2,674	506	891	1,277
Weighted Return on Preferred (%)		0.14%	0.14%	0.14%
Return on Debt (\$)	35,823	6,776	11,938	17,110
Weighted Return on Debt (%)		1.93%	1.93%	1.93%
Total Return	135,555	25,639	45,173	64,743
Total Rate of Return		7.30%	7.30%	7.30%

DIMP Property Tax (\$ in Thousands of Dollars	Total	2025	2026	2027
Average of Month-End Rate Base		350,618	617,728	885,329
Property Tax Rate	0.71%	0.42%	0.77%	0.94%
Property Tax	14,559	1,474	4,746	8,339

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Table 18

Southern California Gas Company 2024 GRC Post Test Year TIMP Capital Related Costs

TIMP (\$ in Thousands of Dollars)	Total	2025	2026	2027
Revenue Requirement - Total	133,070	21,488	44,800	66,782
FF&U:	1,338	216	450	671
O&M:	-	-	-	-
Working Capital:	-	-	-	-
Depreciation:	38,539	6,558	12,943	19,038
Return on Common:	52,112	9,028	17,623	25,460
Return on Preferred:	1,436	249	486	702
Return On Debt:	19,234	3,332	6,505	9,397
Federal Taxes:	13,485	2,232	4,592	6,661
State Taxes:	(874)	(794)	(266)	185
Property Taxes:	7,801	666	2,467	4,668

Table 19

TIMP Rate Base & Return (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average Monthly Rate Base		172,757	337,227	487,177
Return on Equity (\$)	52,112	9,028	17,623	25,460
Weighted Return on Equity (%)		5.23%	5.23%	5.23%
Return on Preferred (\$)	1,436	249	486	702
Weighted Return on Preferred (%)		0.14%	0.14%	0.14%
Return on Debt (\$)	19,234	3,332	6,505	9,397
Weighted Return on Debt (%)		1.93%	1.93%	1.93%
Total Return	72,782	12,609	24,614	35,558
Total Rate of Return		7.30%	7.30%	7.30%

TIMP Property Tax (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average of Month-End Rate Base		172,380	336,496	486,121
Property Tax Rate	0.69%	0.39%	0.73%	0.96%
Property Tax	7,801	666	2,467	4,668

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Table 21

Southern California Gas Company 2024 GRC Post Test Year SIMP Capital Related Costs

SIMP (\$ in Thousands of Dollars)	Total	2025	2026	2027
Revenue Requirement - Total	20,409	2,896	6,773	10,740
FF&U:	205	29	68	108
O&M:	-	-	-	-
Working Capital:	-	-	-	-
Depreciation:	6,156	881	2,043	3,231
Return on Common:	7,305	1,076	2,447	3,781
Return on Preferred:	201	30	67	104
Return On Debt:	2,696	397	903	1,396
Federal Taxes:	2,147	325	722	1,100
State Taxes:	790	117	262	410
Property Taxes:	909	40	259	610

Table 22

SIMP Rate Base & Return (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average Monthly Rate Base		20,596	46,829	72,348
Return on Equity (\$)	7,305	1,076	2,447	3,781
Weighted Return on Equity (%)		5.23%	5.23%	5.23%
Return on Preferred (\$)	201	30	67	104
Weighted Return on Preferred (%)		0.14%	0.14%	0.14%
Return on Debt (\$)	2,696	397	903	1,396
Weighted Return on Debt (%)		1.93%	1.93%	1.93%
Total Return	10,202	1,503	3,418	5,281
Total Rate of Return		7.30%	7.30%	7.30%

SIMP Property Tax (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average of Month-End Rate Base		20,554	46,732	72,196
Property Tax Rate	0.53%	0.20%	0.55%	0.85%
Property Tax	909	40	259	610

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Table 24

Southern California Gas Company 2024 GRC Post Test Year FIMP Capital Related Costs

FIMP (\$ in Thousands of Dollars)	Total	2025	2026	2027
Revenue Requirement - Total	1,788	252	591	946
FF&U:	18	3	6	10
O&M:	-	-	-	-
Working Capital:	-	-	-	-
Depreciation:	442	64	146	232
Return on Common:	724	106	242	376
Return on Preferred:	20	3	7	10
Return On Debt:	267	39	89	139
Federal Taxes:	204	30	68	106
State Taxes:	22	3	7	12
Property Taxes:	92	4	26	61

Table 25

FIMP Rate Base & Return (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average Monthly Rate Base		2,029	4,625	7,197
Return on Equity (\$)	724	106	242	376
Weighted Return on Equity (%)		5.23%	5.23%	5.23%
Return on Preferred (\$)	20	3	7	10
Weighted Return on Preferred (%)		0.14%	0.14%	0.14%
Return on Debt (\$)	267	39	89	139
Weighted Return on Debt (%)		1.93%	1.93%	1.93%
Total Return	1,011	148	338	525
Total Rate of Return		7.30%	7.30%	7.30%

FIMP Property Tax (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average of Month-End Rate Base		2,025	4,617	7,184
Property Tax Rate	0.55%	0.22%	0.57%	0.85%
Property Tax	92	4	26	61

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Table 27

Southern California Gas Company 2024 GRC Post Test Year GSEP Capital Related Costs

GSEP (\$ in Thousands of Dollars)	Total	2025	2026	2027
Revenue Requirement - Total	121,562	16,322	39,107	66,133
FF&U:	1,222	164	393	665
O&M:	-	-	-	-
Working Capital:	-	-	-	-
Depreciation:	27,161	3,721	8,756	14,684
Return on Common:	51,239	7,178	16,635	27,426
Return on Preferred:	1,412	198	458	756
Return On Debt:	18,912	2,649	6,140	10,123
Federal Taxes:	14,274	1,983	4,633	7,659
State Taxes:	608	11	161	436
Property Taxes:	6,733	418	1,931	4,384

Table 28

GSEP Rate Base & Return (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average Monthly Rate Base		137,350	318,316	524,799
Return on Equity (\$)	51,239	7,178	16,635	27,426
Weighted Return on Equity (%)		5.23%	5.23%	5.23%
Return on Preferred (\$)	1,412	198	458	756
Weighted Return on Preferred (%)		0.14%	0.14%	0.14%
Return on Debt (\$)	18,912	2,649	6,140	10,123
Weighted Return on Debt (%)		1.93%	1.93%	1.93%
Total Return	71,563	10,025	23,234	38,304
Total Rate of Return		7.29%	7.29%	7.29%

Table 29

GSEP Property Tax (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average of Month-End Rate Base		137,102	317,750	523,873
Property Tax Rate	0.58%	0.30%	0.61%	0.84%
Property Tax	6,733	418	1,931	4,384

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Table 30

Southern California Gas Company 2024 GRC Post Test Year CIS Capital Related Costs

CIS (\$ in Thousands of Dollars)	Total	2025	2026	2027
Revenue Requirement - Total	52,451	-	11,522	40,929
FF&U:	527	-	116	411
O&M:	-	-	-	-
Working Capital:	-	-	-	-
Depreciation:	27,017	-	6,754	20,263
Return on Common:	19,319	-	5,163	14,157
Return on Preferred:	532	-	142	390
Return On Debt:	7,131	-	1,905	5,225
Federal Taxes:	4,468	-	692	3,776
State Taxes:	(8,481)	-	(3,250)	(5,231)
Property Taxes:	1,938	-	-	1,938

Table 31

CIS Rate Base & Return (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average Monthly Rate Base		-	98,787	270,886
Return on Equity (\$)	19,319	-	5,163	14,157
Weighted Return on Equity (%)		-	5.23%	5.23%
Return on Preferred (\$)	532	-	142	390
Weighted Return on Preferred (%)		-	0.14%	0.14%
Return on Debt (\$)	7,131	-	1,905	5,225
Weighted Return on Debt (%)		-	1.93%	1.93%
Total Return	26,982	-	7,210	19,772
Total Rate of Return		-	7.30%	7.30%

CIS Property Tax (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average of Month-End Rate Base		-	98,155	269,395
Property Tax Rate	0.36%	-	0.00%	0.72%
Property Tax	1,938	-	-	1,938

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Table 33

Southern California Gas Company 2024 GRC Post Test Year HRCM Capital Related Costs

HRCM (\$ in Thousands of Dollars)	Total	2025	2026	2027
Revenue Requirement - Total	92,416	-	-	92,416
FF&U:	929	-	-	929
O&M:	-	-	-	-
Working Capital:	-	-	_	-
Depreciation:	22,479	-	-	22,479
Return on Common:	37,875	-	-	37,875
Return on Preferred:	1,044	-	-	1,044
Return On Debt:	13,980	-	-	13,980
Federal Taxes:	11,962	-	-	11,962
State Taxes:	4,147	-	-	4,147
Property Taxes:	-	-	-	-

Table 34

HRCM Rate Base & Return (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average Monthly Rate Base		-	-	724,747
Return on Equity (\$)	37,875	-	-	37,875
Weighted Return on Equity (%)		-	-	5.23%
Return on Preferred (\$)	1,044	-	-	1,044
Weighted Return on Preferred (%)		-	-	0.14%
Return on Debt (\$)	13,980	-	-	13,980
Weighted Return on Debt (%)		-	-	1.93%
Total Return	52,898	-	-	52,898
Total Rate of Return		-	-	7.30%

HRCM Property Tax (\$ in Thousands of Dollars)	Total	2025	2026	2027
Average of Month-End Rate Base		-	-	723,696
Property Tax Rate	0.00%	-	-	0.00%
Property Tax	-	-	-	-