

Application of SOUTHERN CALIFORNIA GAS)
COMPANY for authority to update its gas revenue)
requirement and base rates)
effective January 1, 2024 (U 904-G))

Application No. 22-05-___

Exhibit No.: (SCG-19-CWP)

PUBLIC
CAPITAL WORKPAPERS TO
PREPARED DIRECT TESTIMONY
OF BRENTON K. GUY
ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

May 2022



2024 General Rate Case - APP
INDEX OF WORKPAPERS

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Overall Summary For Exhibit No. SCG-19-CWP

Area:	FACILITIES/OTHER
Witness:	Brenton K. Guy

In 2021 \$ (000)			
Adjusted-Forecast			
	2022	2023	2024
A. Infrastructure & Improvements	52,182	74,899	85,355
B. Safety & Compliance	2,388	2,388	2,388
C. Sustainability and Conservation	13,885	9,312	9,312
D. Fleet Projects	2,071	556	556
E. Fleet Alternative Refueling	9,146	29,973	13,954
Total	79,672	117,128	111,565

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Category: A. Infrastructure & Improvements
Workpaper: 006530

Summary for Category: A. Infrastructure & Improvements

	In 2021\$ (000)			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
Labor	1,347	1,484	1,501	1,501
Non-Labor	60,225	50,698	73,398	83,854
NSE	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total	61,572	52,182	74,899	85,355
FTE	10.1	10.8	11.0	11.0

006530 Infrastructure & Improvements

Labor	1,347	1,484	1,501	1,501
Non-Labor	60,225	50,698	73,398	83,854
NSE	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total	61,572	52,182	74,899	85,355
FTE	10.1	10.8	11.0	11.0

Note: Totals may include rounding differences.

Beginning of Workpaper Group
006530 - Infrastructure & Improvements

Southern California Gas Company
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Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00653.0
 Category: A. Infrastructure & Improvements
 Category-Sub: 1. Infrastructure & Improvements
 Workpaper Group: 006530 - Infrastructure & Improvements

Summary of Results (Constant 2021 \$ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast		
		2017	2018	2019	2020	2021	2022	2023	2024
Years									
Labor	3-YR Average	646	555	803	1,506	1,347	1,484	1,501	1,501
Non-Labor	3-YR Average	27,715	16,643	21,146	50,195	60,225	50,698	73,398	83,854
NSE	3-YR Average	0	0	0	0	0	0	0	0
Total		28,361	17,198	21,949	51,701	61,572	52,182	74,899	85,355
FTE	3-YR Average	4.5	3.5	5.6	10.0	10.1	10.8	11.0	11.0

Business Purpose:

The Infrastructure & Improvements forecast funds necessary facility improvements, workspace changes, and equipment upgrades to adequately support business operations. Facility Operations identifies requirements based on the criticality of the facility, the age of the asset, and the implications for failure to complete the replacement or upgrade. For larger facilities, the Infrastructure & Improvements projects are based on a systematic management process to plan for known recurring repairs and replacement requirements that extend the life and retain usable condition of facilities and systems.

Physical Description:

Improvement projects include replacement of boilers, chillers, water heaters, cooling towers, flooring & carpeting, generators, air handlers, roofs, HVAC systems, plumbing, electrical, ceiling tiles, restrooms and parking lot asphalt. This category also includes facility renovations and construction of the CCM building at Pico Rivera. Physical security infrastructure enhancements include security system, fencing and badge panel reader upgrades.

Project Justification:

This funds numerous facility improvements to adequately support business operations, extend the life of assets and protect employees and company property. The requested capital expenditure costs are needed to maintain safety of company facilities and assets, support operational needs, and achieve cost avoidance. These basic infrastructure improvements maintain the functional integrity of our facilities.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Budget Code: 00653.0
Category: A. Infrastructure & Improvements
Category-Sub: 1. Infrastructure & Improvements
Workpaper Group: 006530 - Infrastructure & Improvements

Forecast Methodology:

Labor - 3-YR Average

The calculations support 10.8 - 11.0 FTEs that have their labor costs spread over multiple projects for each annual budget. The labor forecast was determined using the 3-year average which most accurately forecasts the labor for infrastructure improvements, based on historical projects and the increased support necessary to execute the projects over the past three years. A zero-based labor adjustment was added for CCM building based on the project estimate since there are no historical labor costs recorded for a project of similar scope and size.

Non-Labor - 3-YR Average

The forecast for this cost category was determined using the 3-year year average of infrastructure and improvement projects, facility renovations and security projects. The 3-year average most accurately represents the forecast necessary for improvement projects and facility renovations due to the aging facilities and the change to activity based working model. The CCM building is an incremental forecast adjustment based on the project estimate since there are no historical costs recorded for a project of similar scope and size.

NSE - 3-YR Average

Not applicable.

Southern California Gas Company
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Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00653.0
 Category: A. Infrastructure & Improvements
 Category-Sub: 1. Infrastructure & Improvements
 Workpaper Group: 006530 - Infrastructure & Improvements

Summary of Adjustments to Forecast

In 2021 \$ (000)										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	3-YR Average	1,219	1,219	1,219	265	282	282	1,484	1,501	1,501
Non-Labor	3-YR Average	43,855	43,855	43,855	6,843	29,543	39,999	50,698	73,398	83,854
NSE	3-YR Average	0	0	0	0	0	0	0	0	0
Total		45,074	45,074	45,074	7,108	29,825	40,281	52,182	74,899	85,355
FTE	3-YR Average	8.6	8.6	8.6	2.2	2.4	2.4	10.8	11.0	11.0

Forecast Adjustment Details

Year	Labor	NLbr	NSE	Total	FTE
2022	265	6,843	0	7,108	2.2
Explanation:	Incremental forecast for new construction of CCM Building which will house Gas Control at Pico Rivera.				
2022 Total	265	6,843	0	7,108	2.2
2023	282	29,543	0	29,825	2.4
Explanation:	Incremental forecast for new construction of CCM Building which will house Gas Control at Pico Rivera.				
2023 Total	282	29,543	0	29,825	2.4
2024	282	39,999	0	40,281	2.4
Explanation:	Incremental forecast for new construction of CCM Building which will house Gas Control at Pico Rivera.				
2024 Total	282	39,999	0	40,281	2.4

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Budget Code: 00653.0
Category: A. Infrastructure & Improvements
Category-Sub: 1. Infrastructure & Improvements
Workpaper Group: 006530 - Infrastructure & Improvements

Determination of Adjusted-Recorded:

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	372	378	546	1,134	1,149
Non-Labor	19,955	13,643	16,433	44,580	58,343
NSE	0	0	0	0	0
Total	20,327	14,020	16,980	45,715	59,492
FTE	3.3	3.0	4.4	8.5	8.6
Adjustments (Nominal \$)**					
Labor	40	-4	13	-21	-3
Non-Labor	726	-490	1,076	-946	1,881
NSE	0	0	0	0	0
Total	766	-493	1,088	-967	1,878
FTE	0.5	0.0	0.2	-0.1	-0.1
Recorded-Adjusted (Nominal \$)					
Labor	412	374	559	1,113	1,145
Non-Labor	20,681	13,153	17,509	43,635	60,225
NSE	0	0	0	0	0
Total	21,093	13,527	18,068	44,748	61,370
FTE	3.8	3.0	4.6	8.4	8.5
Vacation & Sick (Nominal \$)					
Labor	70	64	106	196	202
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	70	64	106	196	202
FTE	0.7	0.5	1.0	1.6	1.6
Escalation to 2021\$					
Labor	164	116	138	197	0
Non-Labor	7,034	3,490	3,637	6,560	0
NSE	0	0	0	0	0
Total	7,198	3,606	3,775	6,757	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	646	555	803	1,506	1,347
Non-Labor	27,715	16,643	21,146	50,195	60,225
NSE	0	0	0	0	0
Total	28,361	17,198	21,949	51,701	61,572
FTE	4.5	3.5	5.6	10.0	10.1

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00653.0
 Category: A. Infrastructure & Improvements
 Category-Sub: 1. Infrastructure & Improvements
 Workpaper Group: 006530 - Infrastructure & Improvements

Summary of Adjustments to Recorded:

In Nominal \$(000)					
Years	2017	2018	2019	2020	2021
Labor	40	-4	13	-21	-3
Non-Labor	726	-490	1,076	-946	1,881
NSE	0	0	0	0	0
Total	766	-493	1,088	-967	1,878
FTE	0.5	0.0	0.2	-0.1	-0.1

Detail of Adjustments to Recorded in Nominal \$:

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>
2017	-4	-404	0	-408	-0.1
Explanation:	To transfer xeriscape and sustainability project costs in budget code 653 to budget code 655 Sustainability.				
2017	44	422	0	466	0.4
Explanation:	To transfer infrastructure improvement project costs from 655 Sustainability to 653 Infrastructure improvements.				
2017	5	782	0	787	0.1
Explanation:	To transfer infrastructure improvement project costs from 654 Safety to 653 Infrastructure improvements.				
2017	-5	-74	0	-79	0.1
Explanation:	To transfer ADA automatic door improvement project costs from 653 Infrastructure improvements to 654 Safety.				
2017 Total	40	726	0	766	0.5
2018	0	108	0	108	0.0
Explanation:	To transfer infrastructure improvement project costs from budget code 664 Miscellaneous Equipment to budget code 653 Infrastructure Improvement.				
2018	3	82	0	85	0.1
Explanation:	To transfer infrastructure improvement project costs from 655 Sustainability to 653 Infrastructure improvements.				
2018	10	275	0	285	0.1
Explanation:	To transfer infrastructure improvement project costs from 654 Safety to 653 Infrastructure Improvements.				
2018	-8	-327	0	-335	-0.1
Explanation:	To transfer xeriscape project costs from 653 infrastructure to 655 Sustainability.				
2018	-10	-628	0	-637	-0.1
Explanation:	To transfer safety related project costs from 653 Infrastructure improvement to 654 Safety.				
2018 Total	-4	-490	0	-493	0.0

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00653.0
 Category: A. Infrastructure & Improvements
 Category-Sub: 1. Infrastructure & Improvements
 Workpaper Group: 006530 - Infrastructure & Improvements

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>
2019	19	534	0	553	0.2
Explanation:	To transfer infrastructure improvement project costs in budget code 664 Miscellaneous Equipment to budget code 653 Infrastructure Improvement.				
2019	50	1,827	0	1,876	0.4
Explanation:	To transfer infrastructure improvement project costs from 654 Safety to 653 Infrastructure Improvements.				
2019	-31	-817	0	-848	-0.2
Explanation:	To transfer xeriscape and LED project costs from 653 Infrastructure to 655 Sustainability.				
2019	-25	-468	0	-493	-0.2
Explanation:	To transfer safety related project costs from 653 Infrastructure improvement to 654 Safety.				
2019 Total	13	1,076	0	1,088	0.2
2020	73	529	0	602	0.6
Explanation:	To transfer infrastructure improvement project costs from 664 Miscellaneous Equipment to 653 Infrastructure & Improvements.				
2020	12	1,769	0	1,781	0.1
Explanation:	To transfer infrastructure improvement project costs from 654 Safety to 653 Infrastructure Improvements.				
2020	-65	-2,088	0	-2,153	-0.5
Explanation:	To transfer safety related project costs from 653 Infrastructure improvement to 654 Safety.				
2020	-42	-684	0	-726	-0.3
Explanation:	To transfer xeriscape and LED project costs from 653 Infrastructure to 655 Sustainability.				
2020	0	-471	0	-471	0.0
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020 Total	-21	-946	0	-967	-0.1
2021	0	-0.532	0	-0.532	0.0
Explanation:	To transfer infrastructure improvement project costs from 664 Miscellaneous Equipment to 653 Infrastructure & Improvement.				
2021	23	3,619	0	3,643	0.2
Explanation:	To transfer security project costs from 654 Safety to 653 Infrastructure Improvements.				
2021	-10	-429	0	-439	-0.1
Explanation:	To transfer xeriscape and LED project costs from 653 Infrastructure to 655 Sustainability.				
2021	-14	-411	0	-424	-0.1
Explanation:	To transfer safety related project costs from 653 Infrastructure improvement to 654 Safety.				
2021	-3	-898	0	-900	-0.1
Explanation:	To transfer fleet vehicle lift replacements from 653 Infrastructure & Improvements to 716 Fleet Projects.				

Note: Totals may include rounding differences.

Southern California Gas Company
 2024 GRC - APP
 Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00653.0
 Category: A. Infrastructure & Improvements
 Category-Sub: 1. Infrastructure & Improvements
 Workpaper Group: 006530 - Infrastructure & Improvements

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>
2021 Total	-3	1,881	0	1,878	-0.1

Note: Totals may include rounding differences.

**Beginning of Workpaper Sub Details for
Workpaper Group 006530**

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00653.0
 Category: A. Infrastructure & Improvements
 Category-Sub: 1. Infrastructure & Improvements
 Workpaper Group: 006530 - Infrastructure & Improvements
 Workpaper Detail: 006530.001 - Infrastructure & Improvements - Distribution
 In-Service Date: Not Applicable
 Description:

The SoCalGas capital improvement projects include equipment replacements, facility renovations, tenant improvements and workspace upgrades that extend the life and retain usable condition of facilities and systems.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		845	845	845
Non-Labor		30,418	30,418	30,418
NSE		0	0	0
	Total	31,263	31,263	31,263
FTE		5.8	5.8	5.8

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00653.0
 Category: A. Infrastructure & Improvements
 Category-Sub: 1. Infrastructure & Improvements
 Workpaper Group: 006530 - Infrastructure & Improvements
 Workpaper Detail: 006530.002 - Infrastructure & Improvements - General Plant
 In-Service Date: Not Applicable
 Description:

The SoCalGas capital improvement projects include equipment replacements, facility renovations, tenant improvements and workspace upgrades that extend the life and retain usable condition of facilities and systems.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		211	211	211
Non-Labor		7,604	7,604	7,604
NSE		0	0	0
	Total	<u>7,815</u>	<u>7,815</u>	<u>7,815</u>
FTE		1.5	1.5	1.5

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00653.0
 Category: A. Infrastructure & Improvements
 Category-Sub: 1. Infrastructure & Improvements
 Workpaper Group: 006530 - Infrastructure & Improvements
 Workpaper Detail: 006530.003 - CCM Building
 In-Service Date: 06/30/2024

Description:

The development of a 68,000 square foot Gas Control Center, Emergency Operations Center (EOC), and ancillary flexible working space that will enhance the monitoring, control, and reliability of the gas system.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		265	282	282
Non-Labor		6,843	29,543	39,999
NSE		0	0	0
	Total	7,108	29,825	40,281
FTE		2.2	2.4	2.4

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00653.0
 Category: A. Infrastructure & Improvements
 Category-Sub: 1. Infrastructure & Improvements
 Workpaper Group: 006530 - Infrastructure & Improvements
 Workpaper Detail: 006530.004 - RAMP - Physical Security Infrastructure Enhancements - Distribution
 In-Service Date: Not Applicable

Description:

The RAMP - Workplace Violence Prevention forecast includes upgrades for security systems , gates, badge panels, high security fencing and the installation of other security improvements to prevent incidents that result in harm to employees.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		155	155	155
Non-Labor		5,541	5,541	5,541
NSE		0	0	0
	Total	<u>5,696</u>	<u>5,696</u>	<u>5,696</u>
FTE		1.2	1.2	1.2

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00653.0
 Category: A. Infrastructure & Improvements
 Category-Sub: 1. Infrastructure & Improvements
 Workpaper Group: 006530 - Infrastructure & Improvements
 Workpaper Detail: 006530.004 - RAMP - Physical Security Infrastructure Enhancements - Distribution

RAMP Item # 1

RAMP Activity

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee
 RAMP Line Item ID: C10
 RAMP Line Item Name: Workplace Violence Prevention Programs
 Tranche(s): Tranche1: Non-Vehicle

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Costs (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2022 to 2024 Forecast (2021 \$)	2022 to 2024 RAMP Range (2020 Incurred \$)	
						Low	High
Tranche 1 Cost Estimate	4,390	5,696	5,696	5,696	17,088	3,327	4,068

Cost Estimate Changes from RAMP:

This mitigation is split among two workpapers within this witness area (see also 00653C.002), and the GRC forecast is outside the RAMP range due to forecast updates.

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2022 to 2024 Forecast Activities	2022 to 2024 RAMP Range Activities	
						Low	High
Tranche 1 # of sites	36.00	27.00	27.00	27.00	81.00	6.00	6.00

Work Unit Changes from RAMP:

Updated unit description.

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	594.000	498.000

RSE Changes from RAMP:

Changes impacting RSE calculations are discussed in the RAMP to GRC Integration Testimony (Exhibits: SDG&E/SCG-03, Chapter 2).

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00653.0
 Category: A. Infrastructure & Improvements
 Category-Sub: 1. Infrastructure & Improvements
 Workpaper Group: 006530 - Infrastructure & Improvements
 Workpaper Detail: 006530.005 - RAMP - Physical Security Infrastructure Enhancements - General Plant
 In-Service Date: Not Applicable

Description:

The RAMP - Workplace Violence Prevention forecast includes upgrades for security systems , gates, badge panels, high security fencing and the installation of other security improvements to prevent incidents that result in harm to employees.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		8	8	8
Non-Labor		292	292	292
NSE		0	0	0
	Total	300	300	300
FTE		0.1	0.1	0.1

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00653.0
 Category: A. Infrastructure & Improvements
 Category-Sub: 1. Infrastructure & Improvements
 Workpaper Group: 006530 - Infrastructure & Improvements
 Workpaper Detail: 006530.005 - RAMP - Physical Security Infrastructure Enhancements - General Plant

RAMP Item # 1

RAMP Activity

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee
 RAMP Line Item ID: C10
 RAMP Line Item Name: Workplace Violence Prevention Programs
 Tranche(s): Tranche1: Non-vehicle

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Costs (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2022 to 2024 Forecast (2021 \$)	2022 to 2024 RAMP Range (2020 Incurred \$)	
						Low	High
Tranche 1 Cost Estimate	23	300	300	300	900	3,327	4,068

Cost Estimate Changes from RAMP:

This mitigation is split among two workpapers within this witness area (see also 00653C.001), and the GRC forecast is outside the RAMP range due to forecast updates.

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2022 to 2024 Forecast Activities	2022 to 2024 RAMP Range Activities	
						Low	High
Tranche 1 # of sites	2.00	1.00	1.00	1.00	3.00	6.00	6.00

Work Unit Changes from RAMP:

Updated unit description.

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	594.000	498.000

RSE Changes from RAMP:

Changes impacting RSE calculations are discussed in the RAMP to GRC Integration Testimony (Exhibits: SDG&E/SCG-03, Chapter 2).

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Category: B. Safety & Compliance
 Workpaper: 006540

Summary for Category: B. Safety & Compliance

	In 2021\$ (000)			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
Labor	64	64	64	64
Non-Labor	2,324	2,324	2,324	2,324
NSE	0	0	0	0
Total	2,388	2,388	2,388	2,388
FTE	0.5	0.5	0.5	0.5

006540 Safety and Compliance

Labor	64	64	64	64
Non-Labor	2,324	2,324	2,324	2,324
NSE	0	0	0	0
Total	2,388	2,388	2,388	2,388
FTE	0.5	0.5	0.5	0.5

Note: Totals may include rounding differences.

**Beginning of Workpaper Group
006540 - Safety and Compliance**

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00654.0
 Category: B. Safety & Compliance
 Category-Sub: 1. Safety & Compliance
 Workpaper Group: 006540 - Safety and Compliance

Summary of Results (Constant 2021 \$ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast		
		2017	2018	2019	2020	2021	2022	2023	2024
Years									
Labor	Base YR Rec	72	95	51	119	64	64	64	
Non-Labor	Base YR Rec	8,021	5,114	1,434	3,854	2,324	2,324	2,324	
NSE	Base YR Rec	0	0	0	0	0	0	0	
Total		8,093	5,209	1,485	3,973	2,388	2,388	2,388	
FTE	Base YR Rec	0.3	0.7	0.4	0.7	0.5	0.5	0.5	

Business Purpose:

The Safety and Compliance projects include American with Disabilities (“ADA”) improvements to improve customer access and accessibility to the branch offices, upgrades to fire systems, as well as to seismic retrofits at various facilities throughout the service territory. ADA improvement projects include adding or modifying access ramps, automatic doors, accessible restrooms, parking lot access and signage. Seismic retrofits projects modify existing structures to make them more resistant to seismic activity, ground motion, or soil failure due to earthquakes.

Physical Description:

ADA improvements at Alhambra, Central Avenue, Covina, Daly Street, El Centro, El Monte, Fontana, Indio, Inglewood, Ontario, Oxnard, Pomona, San Bernardino, South Gate, Van Nuys, and Wilmington branch offices. Seismic upgrades at 182nd St base and other facilities in the Los Angeles area to be determined.

Project Justification:

The ADA improvements, fire system upgrades and seismic retrofits contribute toward maintaining compliance with federal, state, and local laws and mandates as the regulations evolve.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Budget Code: 00654.0
Category: B. Safety & Compliance
Category-Sub: 1. Safety & Compliance
Workpaper Group: 006540 - Safety and Compliance

Forecast Methodology:

Labor - Base YR Rec

The calculations support 0.5 FTE that have their labor costs spread over multiple projects for each annual budget.
The labor forecast is based on the base year historical labor cost.

Non-Labor - Base YR Rec

The forecast method developed in this cost category is base year. This method is most appropriate because of the on-going projects to install automatic doors at branch offices which will continue into 2022 and the upcoming projects for seismic retrofits which will increase in 2023 and 2024.

NSE - Base YR Rec

Not applicable.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00654.0
 Category: B. Safety & Compliance
 Category-Sub: 1. Safety & Compliance
 Workpaper Group: 006540 - Safety and Compliance

Summary of Adjustments to Forecast

In 2021 \$ (000)										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	64	64	64	0	0	0	64	64	64
Non-Labor	Base YR Rec	2,324	2,324	2,324	0	0	0	2,324	2,324	2,324
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		2,388	2,388	2,388	0	0	0	2,388	2,388	2,388
FTE	Base YR Rec	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5

Forecast Adjustment Details

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>
2022 Total	0	0	0	0	0.0
2023 Total	0	0	0	0	0.0
2024 Total	0	0	0	0	0.0

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Budget Code: 00654.0
Category: B. Safety & Compliance
Category-Sub: 1. Safety & Compliance
Workpaper Group: 006540 - Safety and Compliance

Determination of Adjusted-Recorded:

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	46	65	57	29	78
Non-Labor	6,693	3,689	2,221	3,512	6,625
NSE	0	0	0	0	0
Total	6,739	3,754	2,278	3,541	6,703
FTE	0.4	0.6	0.5	0.2	0.6
Adjustments (Nominal \$)**					
Labor	0	-1	-21	59	-24
Non-Labor	-708	353	-1,034	-162	-4,301
NSE	0	0	0	0	0
Total	-708	352	-1,055	-103	-4,325
FTE	-0.2	0.0	-0.1	0.4	-0.2
Recorded-Adjusted (Nominal \$)					
Labor	46	64	35	88	54
Non-Labor	5,985	4,042	1,188	3,350	2,324
NSE	0	0	0	0	0
Total	6,031	4,106	1,223	3,438	2,378
FTE	0.2	0.6	0.4	0.6	0.4
Vacation & Sick (Nominal \$)					
Labor	8	11	7	15	10
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	8	11	7	15	10
FTE	0.1	0.1	0.0	0.1	0.1
Escalation to 2021\$					
Labor	18	20	9	16	0
Non-Labor	2,036	1,072	247	504	0
NSE	0	0	0	0	0
Total	2,054	1,092	255	519	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	72	95	51	119	64
Non-Labor	8,021	5,114	1,434	3,854	2,324
NSE	0	0	0	0	0
Total	8,093	5,209	1,485	3,973	2,388
FTE	0.3	0.7	0.4	0.7	0.5

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00654.0
 Category: B. Safety & Compliance
 Category-Sub: 1. Safety & Compliance
 Workpaper Group: 006540 - Safety and Compliance

Summary of Adjustments to Recorded:

		In Nominal \$(000)				
Years	2017	2018	2019	2020	2021	
Labor	0	-1	-21	59	-24	
Non-Labor	-708	353	-1,034	-162	-4,301	
NSE	0	0	0	0	0	
Total	-708	352	-1,055	-103	-4,325	
FTE	-0.2	0.0	-0.1	0.4	-0.2	

Detail of Adjustments to Recorded in Nominal \$:

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>
2017	-5	-782	0	-787	-0.1
Explanation:	To transfer infrastructure improvement project costs from 654 Safety to 653 Infrastructure improvements.				
2017	5	74	0	79	-0.1
Explanation:	To transfer ADA automatic door improvement project costs from 653 Infrastructure improvements to 654 Safety.				
2017 Total	0.182	-708	0	-708	-0.2
2018	-10	-275	0	-285	-0.1
Explanation:	To transfer infrastructure improvement project costs from 654 Safety to 653 Infrastructure Improvements.				
2018	10	628	0	637	0.1
Explanation:	To transfer safety related project costs from 653 Infrastructure improvement to 654 Safety.				
2018 Total	-0.742	353	0	352	0.0
2019	3	325	0	328	0.1
Explanation:	To transfer safety related project costs from 655 Sustainability to 654 Safety.				
2019	-50	-1,827	0	-1,876	-0.4
Explanation:	To transfer infrastructure improvement project costs from 654 Safety to 653 Infrastructure Improvements.				
2019	25	468	0	493	0.2
Explanation:	To transfer safety related project costs from 653 Infrastructure improvement to 654 Safety.				
2019 Total	-21	-1,034	0	-1,055	-0.1
2020	-9	-693	0	-702	-0.1
Explanation:	To transfer xeriscape and LED project costs from 654 Safety to 655 Sustainability.				
2020	16	212	0	228	0.1
Explanation:	To transfer water treatment project costs from 655 Sustainability to 654 Safety.				
2020	-12	-1,769	0	-1,781	-0.1

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00654.0
 Category: B. Safety & Compliance
 Category-Sub: 1. Safety & Compliance
 Workpaper Group: 006540 - Safety and Compliance

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>
Explanation:	To transfer infrastructure improvement project costs from 654 Safety to 653 Infrastructure Improvements.				
2020	65	2,088	0	2,153	0.5
Explanation:	To transfer safety related project costs from 653 Infrastructure improvement to 654 Safety.				
2020 Total	59	-162	0	-103	0.4
2021	-15	-1,097	0	-1,112	-0.1
Explanation:	To transfer xeriscape and LED project costs from 654 Safety to 655 Sustainability.				
2021	0	5	0	5	0.0
Explanation:	To transfer safety related project costs from 655 Sustainability to 654 Safety.				
2021	-23	-3,619	0	-3,643	-0.2
Explanation:	To transfer security project costs from 654 Safety to 653 Infrastructure Improvements.				
2021	14	411	0	424	0.1
Explanation:	To transfer safety related project costs from 653 Infrastructure improvement to 654 Safety.				
2021 Total	-24	-4,301	0	-4,325	-0.2

Note: Totals may include rounding differences.

**Beginning of Workpaper Sub Details for
Workpaper Group 006540**

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00654.0
 Category: B. Safety & Compliance
 Category-Sub: 1. Safety & Compliance
 Workpaper Group: 006540 - Safety and Compliance
 Workpaper Detail: 006540.001 - Safety & Environmental - Distribution
 In-Service Date: Not Applicable

Description:

ADA (Americans with Disabilities Act) improvements at branch offices, fire system upgrades and seismic retrofits at facilities.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		58	58	58
Non-Labor		2,092	2,092	2,092
NSE		0	0	0
	Total	<u>2,150</u>	<u>2,150</u>	<u>2,150</u>
FTE		0.4	0.4	0.4

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00654.0
 Category: B. Safety & Compliance
 Category-Sub: 1. Safety & Compliance
 Workpaper Group: 006540 - Safety and Compliance
 Workpaper Detail: 006540.002 - Safety & Environmental - General Plant

In-Service Date: Not Applicable

Description:

ADA (Americans with Disabilities Act) improvements at branch offices, fire system upgrades and seismic retrofits at facilities.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		6	6	6
Non-Labor		232	232	232
NSE		0	0	0
	Total	<u>238</u>	<u>238</u>	<u>238</u>
FTE		0.1	0.1	0.1

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Category: C. Sustainability and Conservation
Workpaper: 006550

Summary for Category: C. Sustainability and Conservation

	In 2021\$ (000)			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
Labor	69	250	156	156
Non-Labor	5,039	13,635	9,156	9,156
NSE	0	0	0	0
Total	5,108	13,885	9,312	9,312
FTE	0.6	2.4	1.5	1.5

006550 Sustainability and Energy Conservation

Labor	69	250	156	156
Non-Labor	5,039	13,635	9,156	9,156
NSE	0	0	0	0
Total	5,108	13,885	9,312	9,312
FTE	0.6	2.4	1.5	1.5

Note: Totals may include rounding differences.

Beginning of Workpaper Group
006550 - Sustainability and Energy Conservation

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00655.0
 Category: C. Sustainability and Conservation
 Category-Sub: 1. Sustainability and Conservation
 Workpaper Group: 006550 - Sustainability and Energy Conservation

Summary of Results (Constant 2021 \$ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast		
		2017	2018	2019	2020	2021	2022	2023	2024
Years									
Labor	Base YR Rec	25	31	93	194	69	250	156	156
Non-Labor	Base YR Rec	3,729	2,179	7,263	6,255	5,039	13,635	9,156	9,156
NSE	Base YR Rec	0	0	0	0	0	0	0	0
Total		3,754	2,210	7,357	6,449	5,108	13,885	9,312	9,312
FTE	Base YR Rec	0.2	0.1	0.5	1.4	0.6	2.4	1.5	1.5

Business Purpose:

Energy and water conservation projects, such as LED lighting and xeriscape conversions, contribute toward net zero goals. Additionally, renewable energy solutions such as solar rooftop panels, solar carports and battery storage, can contribute toward net zero energy usage.

Physical Description:

Projects include interior and exterior lighting upgrades to LED lighting, installation of solar panels, replacing landscaping with xeriscape (drought tolerant landscaping) and construction of the [H2] Hydrogen Home project which will demonstrate the capabilities of hydrogen and produce excess power that can feed into the ERC building.

Project Justification:

The sustainability projects support SoCalGas's values and mission to be the cleanest, safest, most innovative energy company in America. Real Estate and Facility Operations contributes toward the Aspire 2045 Climate Commitment and the sustainability strategy of accelerating the energy transition and increasing clean energy access.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Budget Code: 00655.0
Category: C. Sustainability and Conservation
Category-Sub: 1. Sustainability and Conservation
Workpaper Group: 006550 - Sustainability and Energy Conservation

Forecast Methodology:

Labor - Base YR Rec

The calculations support that 1.5 - 2.4 FTE will be devoted to the sustainability projects.
The labor forecast from the base-year reflects the increase of sustainability projects and the increased support needed. The additional labor adjustment for [H2] Hydrogen Home project is based on project forecasts for the specific scope of the project.

Non-Labor - Base YR Rec

The forecast is base-year for LED and xeriscape projects, with additional adjustments for [H2] Hydrogen Home project and renewable energy solutions, such as solar panels and battery storage. The base-year forecast captures an increase of sustainability projects and the higher cost of headquarter interior LED lighting projects whereas previous years reflect parking lot LED projects with lower spend. The [H2] Hydrogen Home project forecast is based on vendor estimates for the specific scope and the renewable energy solutions estimate is based on estimates for solar panel installation.

NSE - Base YR Rec

Not applicable.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00655.0
 Category: C. Sustainability and Conservation
 Category-Sub: 1. Sustainability and Conservation
 Workpaper Group: 006550 - Sustainability and Energy Conservation

Summary of Adjustments to Forecast

In 2021 \$ (000)										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	69	69	69	181	87	87	250	156	156
Non-Labor	Base YR Rec	5,039	5,039	5,039	8,596	4,117	4,117	13,635	9,156	9,156
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		5,108	5,108	5,108	8,777	4,204	4,204	13,885	9,312	9,312
FTE	Base YR Rec	0.6	0.6	0.6	1.8	0.9	0.9	2.4	1.5	1.5

Forecast Adjustment Details

Year	Labor	NLbr	NSE	Total	FTE
2022	87	4,117	0	4,204	0.9
Explanation:	Additional forecast for renewable energy solutions, such as solar panel installation and battery storage.				
2022	94	4,479	0	4,573	0.9
Explanation:	Incremental forecast for [H2] Hydrogen Home project.				
2022 Total	181	8,596	0	8,777	1.8
2023	87	4,117	0	4,204	0.9
Explanation:	Additional forecast for renewable energy solutions, such as solar panel installation and battery storage.				
2023 Total	87	4,117	0	4,204	0.9
2024	87	4,117	0	4,204	0.9
Explanation:	Additional forecast for renewable energy solutions, such as solar panel installation and battery storage.				
2024 Total	87	4,117	0	4,204	0.9

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Budget Code: 00655.0
Category: C. Sustainability and Conservation
Category-Sub: 1. Sustainability and Conservation
Workpaper Group: 006550 - Sustainability and Energy Conservation

Determination of Adjusted-Recorded:

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	56	17	37	108	44
Non-Labor	2,801	1,477	5,522	4,272	6,076
NSE	0	0	0	0	0
Total	2,857	1,493	5,560	4,380	6,120
FTE	0.5	0.1	0.3	0.8	0.4
Adjustments (Nominal \$)**					
Labor	-40	4	28	35	15
Non-Labor	-18	245	492	1,166	-1,037
NSE	0	0	0	0	0
Total	-58	250	519	1,201	-1,022
FTE	-0.3	0.0	0.1	0.3	0.1
Recorded-Adjusted (Nominal \$)					
Labor	16	21	65	143	59
Non-Labor	2,783	1,722	6,014	5,437	5,039
NSE	0	0	0	0	0
Total	2,799	1,743	6,079	5,581	5,098
FTE	0.2	0.1	0.4	1.1	0.5
Vacation & Sick (Nominal \$)					
Labor	3	4	12	25	10
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	3	4	12	25	10
FTE	0.0	0.0	0.1	0.3	0.1
Escalation to 2021\$					
Labor	6	7	16	25	0
Non-Labor	946	457	1,249	817	0
NSE	0	0	0	0	0
Total	953	463	1,265	843	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	25	31	93	194	69
Non-Labor	3,729	2,179	7,263	6,255	5,039
NSE	0	0	0	0	0
Total	3,754	2,210	7,357	6,449	5,108
FTE	0.2	0.1	0.5	1.4	0.6

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00655.0
 Category: C. Sustainability and Conservation
 Category-Sub: 1. Sustainability and Conservation
 Workpaper Group: 006550 - Sustainability and Energy Conservation

Summary of Adjustments to Recorded:

		In Nominal \$(000)				
Years	2017	2018	2019	2020	2021	
Labor	-40	4	28	35	15	
Non-Labor	-18	245	492	1,166	-1,037	
NSE	0	0	0	0	0	
Total	-58	250	519	1,201	-1,022	
FTE	-0.3	0.0	0.1	0.3	0.1	

Detail of Adjustments to Recorded in Nominal \$:

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>
2017	4	404	0	408	0.1
Explanation:	To transfer xeriscape and sustainability project costs in budget code 653 to budget code 655 Sustainability.				
2017	-44	-422	0	-466	-0.4
Explanation:	To transfer infrastructure improvement project costs from 655 Sustainability to 653 Infrastructure improvements.				
2017 Total	-40	-18	0	-58	-0.3
2018	-3	-82	0	-85	-0.1
Explanation:	To transfer infrastructure improvement project costs from 655 Sustainability to 653 Infrastructure improvements.				
2018	8	327	0	335	0.1
Explanation:	To transfer xeriscape project costs from 653 infrastructure to 655 Sustainability.				
2018 Total	4	245	0	250	0.0
2019	-3	-325	0	-328	-0.1
Explanation:	To transfer safety related project costs from 655 Sustainability to 654 Safety.				
2019	31	817	0	848	0.2
Explanation:	To transfer xeriscape and LED project costs from 653 Infrastructure to 655 Sustainability.				
2019 Total	28	492	0	519	0.1
2020	9	693	0	702	0.1
Explanation:	To transfer xeriscape and LED project costs from 654 Safety to 655 Sustainability.				
2020	-16	-212	0	-228	-0.1
Explanation:	To transfer water treatment project costs from 655 Sustainability to 654 Safety.				
2020	42	684	0	726	0.3
Explanation:	To transfer xeriscape and LED project costs from 653 Infrastructure to 655 Sustainability.				

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00655.0
 Category: C. Sustainability and Conservation
 Category-Sub: 1. Sustainability and Conservation
 Workpaper Group: 006550 - Sustainability and Energy Conservation

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>
2020 Total	35	1,166	0	1,201	0.3
2021	15	1,097	0	1,112	0.1
Explanation:	To transfer xeriscape and LED project costs from 654 Safety to 655 Sustainability.				
2021	0	-5	0	-5	0.0
Explanation:	To transfer safety related project costs from 655 Sustainability to 654 Safety.				
2021	10	429	0	439	0.1
Explanation:	To transfer xeriscape and LED project costs from 653 Infrastructure to 655 Sustainability.				
2021	-10	-2,559	0	-2,569	-0.1
Explanation:	To remove [H2] Hydrogen Home project spend from the historical forecast, as it will be added as incremental forecast.				
2021 Total	15	-1,037	0	-1,022	0.1

Note: Totals may include rounding differences.

**Beginning of Workpaper Sub Details for
Workpaper Group 006550**

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00655.0
 Category: C. Sustainability and Conservation
 Category-Sub: 1. Sustainability and Conservation
 Workpaper Group: 006550 - Sustainability and Energy Conservation
 Workpaper Detail: 006550.001 - Sustainability - Distribution
 In-Service Date: Not Applicable

Description:

Sustainability projects such as xeriscape (drought tolerant) conversions and LED lighting.

Forecast In 2021 \$(000)				
	Years	2022	2023	2024
Labor		52	52	52
Non-Labor		3,779	3,779	3,779
NSE		0	0	0
	Total	3,831	3,831	3,831
FTE		0.5	0.5	0.5

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00655.0
 Category: C. Sustainability and Conservation
 Category-Sub: 1. Sustainability and Conservation
 Workpaper Group: 006550 - Sustainability and Energy Conservation
 Workpaper Detail: 006550.002 - Sustainability - General Plant
 In-Service Date: Not Applicable

Description:

Sustainability projects such as xeriscape (drought tolerant) conversions and LED lighting.

Forecast In 2021 \$(000)				
	Years	2022	2023	2024
Labor		17	17	17
Non-Labor		1,260	1,260	1,260
NSE		0	0	0
	Total	1,277	1,277	1,277
FTE		0.1	0.1	0.1

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00655.0
 Category: C. Sustainability and Conservation
 Category-Sub: 1. Sustainability and Conservation
 Workpaper Group: 006550 - Sustainability and Energy Conservation
 Workpaper Detail: 006550.003 - Renewable Energy Solutions - RAMP

In-Service Date: Not Applicable

Description:

Installing on-site energy generation technology such as fuel cells and solar panels as sustainable energy alternatives.

Forecast In 2021 \$(000)				
	Years	2022	2023	2024
Labor		87	87	87
Non-Labor		4,117	4,117	4,117
NSE		0	0	0
	Total	4,204	4,204	4,204
FTE		0.9	0.9	0.9

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00655.0
 Category: C. Sustainability and Conservation
 Category-Sub: 1. Sustainability and Conservation
 Workpaper Group: 006550 - Sustainability and Energy Conservation
 Workpaper Detail: 006550.003 - Renewable Energy Solutions - RAMP

RAMP Item # 1

RAMP Activity

RAMP Chapter: SCG-CFF-2 Energy Resilience
 RAMP Line Item ID: New
 RAMP Line Item Name: Renewable Energy Solutions
 Tranche(s): Tranche1: Non vehicle

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Costs (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2022 to 2024 Forecast (2021 \$)	2022 to 2024 RAMP Range (2020 Incurred \$)	
						Low	High
Tranche 1 Cost Estimate	0	4,204	4,204	4,204	12,612	0	0

Cost Estimate Changes from RAMP:
 Cost estimate not forecasted in RAMP.

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2022 to 2024 Forecast Activities	2022 to 2024 RAMP Range Activities	
						Low	High
Tranche 1 # of Projects	0.00	2.00	2.00	2.00	6.00	0.00	0.00

Work Unit Changes from RAMP:
 Unit forecast not forecasted in RAMP.

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

RSE Changes from RAMP:
 N/A.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00655.0
 Category: C. Sustainability and Conservation
 Category-Sub: 1. Sustainability and Conservation
 Workpaper Group: 006550 - Sustainability and Energy Conservation
 Workpaper Detail: 006550.004 - [H2] Hydrogen Home
 In-Service Date: 05/31/2022

Description:

Construct [H2] Hydrogen Home project at existing ERC facility.

Forecast In 2021 \$(000)				
	Years	2022	2023	2024
Labor		94	0	0
Non-Labor		4,479	0	0
NSE		0	0	0
	Total	4,573	0	0
FTE		0.9	0.0	0.0

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Category: D. Fleet Projects
Workpaper: 007160

Summary for Category: D. Fleet Projects

	In 2021\$ (000)			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
Labor	3	56	3	3
Non-Labor	1,446	2,015	553	553
NSE	0	0	0	0
Total	1,449	2,071	556	556
FTE	0.1	0.5	0.1	0.1

007160 Fleet Equipment

Labor	3	56	3	3
Non-Labor	1,446	2,015	553	553
NSE	0	0	0	0
Total	1,449	2,071	556	556
FTE	0.1	0.5	0.1	0.1

Note: Totals may include rounding differences.

**Beginning of Workpaper Group
007160 - Fleet Equipment**

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00716.0
 Category: D. Fleet Projects
 Category-Sub: 1. Fleet Projects
 Workpaper Group: 007160 - Fleet Equipment

Summary of Results (Constant 2021 \$ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast		
		2017	2018	2019	2020	2021	2022	2023	2024
Years									
Labor	Base YR Rec	24	0	0	0	3	56	3	3
Non-Labor	3-YR Average	482	378	21	193	1,446	2,015	553	553
NSE	3-YR Average	0	0	0	0	0	0	0	0
Total		506	378	21	193	1,448	2,071	556	556
FTE	Base YR Rec	0.1	0.0	0.0	0.0	0.1	0.5	0.1	0.1

Business Purpose:

The purchase of fleet equipment and tools is needed to operate the 46 SoCalGas garages that accommodate fleet vehicle maintenance and repairs. The diagnostic tools and repair equipment are needed to service gasoline, hybrid, electric, and hydrogen vehicles. The increased forecast in 2022 is due to the implementation of fleet telematics, which monitors and records key performance data about vehicles.

Physical Description:

The fleet equipment category includes new or replacement of garage equipment such as tire changing and balancing machines, diagnostic tools, alignment machines, vehicle lifts, air conditioning/freon machines, generators, leak testers and emissions related equipment. Additionally, fleet telematics is being installed on fleet vehicles to monitor vehicle performance.

Project Justification:

With the fleet transition to electric vehicles and as hydrogen fuel cell vehicles are added to the fleet, technology upgrades for diagnostic equipment are required for maintenance. In addition, normal wear and tear on older equipment requires replacement. Also, fleet telematics aims to increase driver efficiency, improve safety, and optimize vehicle performance.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Budget Code: 00716.0
Category: D. Fleet Projects
Category-Sub: 1. Fleet Projects
Workpaper Group: 007160 - Fleet Equipment

Forecast Methodology:

Labor - Base YR Rec

Our calculations support that 0.1 - 0.5 FTE will spend their time on fleet equipment projects annually. The base year labor forecast was used to reflect the labor needed to plan and execute the vehicle lift installations. An incremental labor forecast for the labor to plan and execute telematics installations is reflected in 2022.

Non-Labor - 3-YR Average

The forecast is based upon historical spending with an adjustment for telematics installation on fleet vehicles . The three-year average is most appropriate because fleet tool needs vary each year, but planned purchases are consistent with a three-year average. The telematics forecast is based on vendor quotes.

NSE - 3-YR Average

Not applicable.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00716.0
 Category: D. Fleet Projects
 Category-Sub: 1. Fleet Projects
 Workpaper Group: 007160 - Fleet Equipment

Summary of Adjustments to Forecast

In 2021 \$ (000)										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	3	3	3	53	0	0	56	3	3
Non-Labor	3-YR Average	553	553	553	1,462	0	0	2,015	553	553
NSE	3-YR Average	0	0	0	0	0	0	0	0	0
Total		556	556	556	1,515	0	0	2,071	556	556
FTE	Base YR Rec	0.1	0.1	0.1	0.4	0.0	0.0	0.5	0.1	0.1

Forecast Adjustment Details

Year	Labor	NLbr	NSE	Total	FTE
2022	53	1,462	0	1,515	0.4

Explanation: Incremental forecast for installation of telematics to fleet vehicles.

2022 Total	53	1,462	0	1,515	0.4
2023 Total	0	0	0	0	0.0
2024 Total	0	0	0	0	0.0

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Budget Code: 00716.0
Category: D. Fleet Projects
Category-Sub: 1. Fleet Projects
Workpaper Group: 007160 - Fleet Equipment

Determination of Adjusted-Recorded:

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	15	9	113	102	-16
Non-Labor	360	2,378	512	372	-708
NSE	0	0	0	0	0
Total	375	2,387	624	473	-724
FTE	0.1	0.1	1.0	0.9	-0.1
Adjustments (Nominal \$)**					
Labor	0	-9	-113	-102	18
Non-Labor	0	-2,080	-494	-204	2,154
NSE	0	0	0	0	0
Total	0	-2,088	-607	-305	2,172
FTE	0.0	-0.1	-1.0	-0.9	0.2
Recorded-Adjusted (Nominal \$)					
Labor	15	0	0	0	3
Non-Labor	360	298	17	168	1,446
NSE	0	0	0	0	0
Total	375	298	17	168	1,448
FTE	0.1	0.0	0.0	0.0	0.1
Vacation & Sick (Nominal \$)					
Labor	3	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	3	0	0	0	0
FTE	0.0	0.0	0.0	0.0	0.0
Escalation to 2021\$					
Labor	6	0	0	0	0
Non-Labor	122	79	4	25	0
NSE	0	0	0	0	0
Total	128	79	4	25	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	24	0	0	0	3
Non-Labor	482	378	21	193	1,446
NSE	0	0	0	0	0
Total	506	378	21	193	1,448
FTE	0.1	0.0	0.0	0.0	0.1

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00716.0
 Category: D. Fleet Projects
 Category-Sub: 1. Fleet Projects
 Workpaper Group: 007160 - Fleet Equipment

Summary of Adjustments to Recorded:

In Nominal \$(000)					
Years	2017	2018	2019	2020	2021
Labor	0	-9	-113	-102	18
Non-Labor	0	-2,080	-494	-204	2,154
NSE	0	0	0	0	0
Total	0	-2,088	-607	-305	2,172
FTE	0.0	-0.1	-1.0	-0.9	0.2

Detail of Adjustments to Recorded in Nominal \$:

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>
2017 Total	0	0	0	0	0.0
2018	-9	-2,080	0	-2,088	-0.1
Explanation:	To remove cost of Fleet Fuel Vehicle Hardware purchase which is not an ongoing purchase for the forecast.				
2018 Total	-9	-2,080	0	-2,088	-0.1
2019	-113	-494	0	-607	-1.0
Explanation:	To remove cost of Fleet Fuel Vehicle Hardware purchase which is not an ongoing purchase for the forecast.				
2019 Total	-113	-494	0	-607	-1.0
2020	-102	-204	0	-305	-0.9
Explanation:	To remove cost of Fleet Fuel Vehicle Hardware purchase which is not an ongoing purchase for the forecast.				
2020 Total	-102	-204	0	-305	-0.9
2021	16	1,256	0	1,272	0.1
Explanation:	To remove O&M transfer of Fleet Fuel Vehicle Hardware purchase which is not an ongoing transfer for the forecast.				
2021	3	898	0	900	0.1
Explanation:	To transfer fleet vehicle lift replacements from 653 Infrastructure & Improvements to 716 Fleet Projects.				
2021 Total	18	2,154	0	2,172	0.2

Note: Totals may include rounding differences.

**Beginning of Workpaper Sub Details for
Workpaper Group 007160**

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00716.0
 Category: D. Fleet Projects
 Category-Sub: 1. Fleet Projects
 Workpaper Group: 007160 - Fleet Equipment
 Workpaper Detail: 007160.001 - Fleet Capital Tools
 In-Service Date: Not Applicable

Description:

Fleet equipment and tools such as generators, leak testers, diagnostic tools, vehicle hoists and emissions-related equipment across 46 SoCalGas garages.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		3	3	3
Non-Labor		553	553	553
NSE		0	0	0
	Total	556	556	556
FTE		0.1	0.1	0.1

Note: Totals may include rounding differences.

Southern California Gas Company
 2024 GRC - APP
 Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00716.0
 Category: D. Fleet Projects
 Category-Sub: 1. Fleet Projects
 Workpaper Group: 007160 - Fleet Equipment
 Workpaper Detail: 007160.002 - Telematics
 In-Service Date: 12/31/2022

Description:

Installation of telematics into fleet vehicles to monitor and record key performance data about vehicles.

Forecast In 2021 \$(000)				
	Years	2022	2023	2024
Labor		53	0	0
Non-Labor		1,462	0	0
NSE		0	0	0
	Total	1,515	0	0
FTE		0.4	0.0	0.0

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Category: E. Fleet Alternative Refueling
Workpaper: VARIOUS

Summary for Category: E. Fleet Alternative Refueling

	In 2021\$ (000)			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
Labor	674	267	796	479
Non-Labor	3,352	8,879	29,177	13,475
NSE	0	0	0	0
Total	4,026	9,146	29,973	13,954
FTE	6.1	2.6	6.2	5.6

007340 RNG Refueling Stations

Labor	674	147	262	214
Non-Labor	3,352	3,151	3,843	841
NSE	0	0	0	0
Total	4,026	3,298	4,105	1,055
FTE	6.1	1.4	2.6	2.1

00734A Hydrogen Refueling Stations

Labor	0	12	428	172
Non-Labor	0	609	20,311	8,243
NSE	0	0	0	0
Total	0	621	20,739	8,415
FTE	0.0	0.1	2.6	2.6

00734C Electric Vehicle Charging

Labor	0	108	106	93
Non-Labor	0	5,119	5,023	4,391
NSE	0	0	0	0
Total	0	5,227	5,129	4,484
FTE	0.0	1.1	1.0	0.9

Note: Totals may include rounding differences.

**Beginning of Workpaper Group
007340 - RNG Refueling Stations**

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 1. RNG Refueling Stations
 Workpaper Group: 007340 - RNG Refueling Stations

Summary of Results (Constant 2021 \$ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast		
		2017	2018	2019	2020	2021	2022	2023	2024
	Years								
Labor	Zero-Based	491	647	444	527	674	147	262	214
Non-Labor	Zero-Based	9,981	9,321	3,589	4,976	3,352	3,151	3,843	841
NSE	Zero-Based	0	0	0	0	0	0	0	0
	Total	10,472	9,968	4,032	5,503	4,026	3,298	4,105	1,055
FTE	Zero-Based	3.4	4.5	3.3	4.1	6.1	1.4	2.6	2.1

Business Purpose:

SoCalGas is making necessary upgrades at SoCalGas renewable natural gas (RNG) refueling stations to enhance the refueling reliability, capacity, and response time for SoCalGas fleet. There are 31 RNG refueling facilities at SoCalGas locations (27 RNG stations and five time fill systems). The RNG refueling station upgrade projects will add fueling capacity and replace deteriorating RNG fueling equipment. Two additional RNG refueling stations will be constructed to meet fleet demands.

Physical Description:

Perform RNG refueling station upgrade projects at Anaheim, 182nd Street, Chino and Garden Grove. Install RNG refueling stations at Santa Maria and Visalia bases.

Project Justification:

Many of the existing stations were commissioned over 18 years ago, when vehicle fueling profiles were different and station use was not as impacted by larger capacity vehicles and fleet sizes. Routine aging has impacted station reliability and operation capabilities in recent years. Upgrading the station operating and storage pressure and installing new priority panels and incorporating direct fill features will enable more RNGV fleet vehicles to fuel at the RNG refueling stations.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Budget Code: 00734.0
Category: E. Fleet Alternative Refueling
Category-Sub: 1. RNG Refueling Stations
Workpaper Group: 007340 - RNG Refueling Stations

Forecast Methodology:

Labor - Zero-Based

Our calculations support that 1.4 - 2.6 FTE will support RNG refueling station projects. The direct labor costs are based on SoCalGas labor requirements experienced on historical RNG refueling station projects of similar scope and complexity. Associated costs include company labor for project management, engineering, planning, quality assurance and field commissioning of newly installed assets. Historically, the number and scope of RNG refueling station projects has varied, therefore other forecast methods do not reflect the labor forecast.

Non-Labor - Zero-Based

The forecast method developed for this cost category is zero-based. This method is most appropriate because each project has been estimated based on unique and specific scope and budgetary considerations. The estimates reflect SoCalGas encountered cost and vendor estimates for projects with similar scope and complexity completed over the prior three-year period. Since historical projects vary in scope and the number RNG refueling stations vary per year, the historical forecast methods do not apply.

NSE - Zero-Based

Not applicable.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 1. RNG Refueling Stations
 Workpaper Group: 007340 - RNG Refueling Stations

Summary of Adjustments to Forecast

In 2021 \$ (000)										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Zero-Based	147	262	214	0	0	0	147	262	214
Non-Labor	Zero-Based	3,151	3,843	841	0	0	0	3,151	3,843	841
NSE	Zero-Based	0	0	0	0	0	0	0	0	0
Total		3,298	4,105	1,055	0	0	0	3,298	4,105	1,055
FTE	Zero-Based	1.4	2.6	2.1	0.0	0.0	0.0	1.4	2.6	2.1

Forecast Adjustment Details

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>
2022 Total	0	0	0	0	0.0
2023 Total	0	0	0	0	0.0
2024 Total	0	0	0	0	0.0

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Budget Code: 00734.0
Category: E. Fleet Alternative Refueling
Category-Sub: 1. RNG Refueling Stations
Workpaper Group: 007340 - RNG Refueling Stations

Determination of Adjusted-Recorded:

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	313	436	309	389	573
Non-Labor	7,448	7,366	2,971	4,306	3,352
NSE	0	0	0	0	0
Total	7,761	7,802	3,280	4,695	3,925
FTE	2.9	3.8	2.8	3.4	5.1
Adjustments (Nominal \$)**					
Labor	0	0	0	0	0
Non-Labor	0	0	0	20	0
NSE	0	0	0	0	0
Total	0	0	0	20	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Nominal \$)					
Labor	313	436	309	389	573
Non-Labor	7,448	7,366	2,971	4,326	3,352
NSE	0	0	0	0	0
Total	7,761	7,802	3,280	4,715	3,925
FTE	2.9	3.8	2.8	3.4	5.1
Vacation & Sick (Nominal \$)					
Labor	53	75	59	69	101
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	53	75	59	69	101
FTE	0.5	0.7	0.5	0.7	1.0
Escalation to 2021\$					
Labor	125	136	76	69	0
Non-Labor	2,533	1,955	617	650	0
NSE	0	0	0	0	0
Total	2,658	2,090	694	719	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	491	647	444	527	674
Non-Labor	9,981	9,321	3,589	4,976	3,352
NSE	0	0	0	0	0
Total	10,472	9,968	4,032	5,503	4,026
FTE	3.4	4.5	3.3	4.1	6.1

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 1. RNG Refueling Stations
 Workpaper Group: 007340 - RNG Refueling Stations

Summary of Adjustments to Recorded:

In Nominal \$(000)					
Years	2017	2018	2019	2020	2021
Labor	0	0	0	0	0
Non-Labor	0	0	0	20	0
NSE	0	0	0	0	0
Total	0	0	0	20	0
FTE	0.0	0.0	0.0	0.0	0.0

Detail of Adjustments to Recorded in Nominal \$:

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>
2017 Total	0	0	0	0	0.0
2018 Total	0	0	0	0	0.0
2019 Total	0	0	0	0	0.0
2020	0	20	0	20	0.0
Explanation:	To reclassify 6215567, 6215568 material costs from indirect to direct.				
2020 Total	0	20	0	20	0.0
2021 Total	0	0	0	0	0.0

Note: Totals may include rounding differences.

**Beginning of Workpaper Sub Details for
Workpaper Group 007340**

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 1. RNG Refueling Stations
 Workpaper Group: 007340 - RNG Refueling Stations
 Workpaper Detail: 007340.001 - RNG Timefill System Upgrade - Anaheim Base
 In-Service Date: 10/31/2022

Description:

The RNG timefill system upgrade at Anaheim Base includes replacing the existing posts and installing additional filling posts for medium size RNGV distribution trucks. There will be 75 time fill hoses that are replaced due to the deteriorating equipment.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		25	0	0
Non-Labor		786	0	0
NSE		0	0	0
	Total	811	0	0
FTE		0.2	0.0	0.0

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 1. RNG Refueling Stations
 Workpaper Group: 007340 - RNG Refueling Stations
 Workpaper Detail: 007340.002 - RNG Refueling Station Upgrade - 182nd Street Base
 In-Service Date: 08/31/2022

Description:

The RNG refueling station upgrade at 182nd Street Base includes the installation of ten additional filling posts for medium duty RNGV trucks. The existing RNG refueling infrastructure was built for customer service RNGV vehicles and the logistics of filling the medium duty RNGV trucks with the existing infrastructure is not efficient.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		12	0	0
Non-Labor		355	0	0
NSE		0	0	0
	Total	367	0	0
FTE		0.1	0.0	0.0

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 1. RNG Refueling Stations
 Workpaper Group: 007340 - RNG Refueling Stations
 Workpaper Detail: 007340.003 - RNG Refueling Station Upgrade - Chino Base
 In-Service Date: 08/31/2023

Description:

The RNG refueling station upgrade at Chino Base includes replacing the existing posts and installing ten additional filling posts for medium size RNGV distribution trucks. There will be ten existing RNG fueling posts and 40 existing filling hoses being replaced due to the deteriorating condition.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		73	28	0
Non-Labor		971	490	0
NSE		0	0	0
	Total	1,044	518	0
FTE		0.7	0.3	0.0

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 1. RNG Refueling Stations
 Workpaper Group: 007340 - RNG Refueling Stations
 Workpaper Detail: 007340.004 - RNG Refueling Station Upgrade - Garden Grove
 In-Service Date: 12/31/2024

Description:

The RNG refueling station upgrade at Garden Grove Base includes replacing the existing posts. There will be ten existing RNG refueling posts and 40 existing time fill hoses that are replaced due to the deteriorating equipment.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		0	65	71
Non-Labor		0	168	436
NSE		0	0	0
	Total	0	233	507
FTE		0.0	0.6	0.7

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 1. RNG Refueling Stations
 Workpaper Group: 007340 - RNG Refueling Stations
 Workpaper Detail: 007340.005 - RNG Refueling Station Installation - Santa Maria
 In-Service Date: 03/31/2024

Description:

Installation of new RNG refueling station at Santa Maria to support the SoCalGas RNGV fleet. There are 25 vehicles assigned to Santa Maria that are eligible for replacement with an RNGV vehicle in the short term.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		25	81	0
Non-Labor		904	1,072	5
NSE		0	0	0
	Total	<u>929</u>	<u>1,153</u>	<u>5</u>
FTE		0.3	0.8	0.0

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 1. RNG Refueling Stations
 Workpaper Group: 007340 - RNG Refueling Stations
 Workpaper Detail: 007340.006 - RNG Refueling Station Installation - Visalia
 In-Service Date: 07/31/2024

Description:

Installation of new RNG refueling station at Visalia Base to support the SoCalGas RNGV fleet. There are 31 vehicles assigned to Visalia that are eligible for replacement with an RNGV vehicle in the short term.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		0	76	131
Non-Labor		0	1,978	265
NSE		0	0	0
	Total	0	2,054	396
FTE		0.0	0.8	1.3

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 1. RNG Refueling Stations
 Workpaper Group: 007340 - RNG Refueling Stations
 Workpaper Detail: 007340.007 - RNG Refueling Station Pressure Vessels Upgrade and Compressor Betterment Rebuilds
 In-Service Date: Not Applicable

Description:

Upgrading and replacing pressure vessels, pressure relief valves, isolation valves and auxiliary equipment of RNG refueling stations. Removing and replacing CNG compressor control panels.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		12	12	12
Non-Labor		135	135	135
NSE		0	0	0
	Total	<u>147</u>	<u>147</u>	<u>147</u>
FTE		0.1	0.1	0.1

Note: Totals may include rounding differences.

Beginning of Workpaper Group
00734A - Hydrogen Refueling Stations

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 2. Hydrogen Refueling Stations
 Workpaper Group: 00734A - Hydrogen Refueling Stations

Summary of Results (Constant 2021 \$ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast		
		2017	2018	2019	2020	2021	2022	2023	2024
Years									
Labor	Zero-Based	0	0	0	0	0	12	428	172
Non-Labor	Zero-Based	0	0	0	0	0	609	20,311	8,243
NSE	Zero-Based	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	621	20,739	8,415
FTE	Zero-Based	0.0	0.0	0.0	0.0	0.0	0.1	2.6	2.6

Business Purpose:

As SoCalGas moves towards decarbonizing our fleet, over-the-road vehicles will be replaced with electric and hydrogen fuel cell electric vehicles (HFCEV). To support the fleet of hydrogen powered vehicles, SoCalGas will construct a reliable hydrogen fueling infrastructure.

Physical Description:

Install hydrogen refueling station at Pico Rivera. Pico Rivera has a large fleet assigned to the facility and the Bloom Energy fuel cells could convert available hydrogen into electricity without combustion and power Pico Rivera.

Project Justification:

The transition to HFCEVs supports the sustainability strategy of accelerating the transition to clean energy and protecting the climate. SoCalGas is committed to operating and maintaining a reliable and effective fueling infrastructure to fuel its own hydrogen powered fleet to support the use of zero emission vehicles in its operation.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Budget Code: 00734.0
Category: E. Fleet Alternative Refueling
Category-Sub: 2. Hydrogen Refueling Stations
Workpaper Group: 00734A - Hydrogen Refueling Stations

Forecast Methodology:

Labor - Zero-Based

The calculations support 0.1 - 2.6 FTEs that have their labor costs spread over multiple projects for each annual budget. There have not been any hydrogen refueling stations installed historically, so a forecast based on historical trends is not available.

Non-Labor - Zero-Based

The forecast method developed in this cost category is zero-based and was estimated for the specific scope of the hydrogen refueling station. There have not been any hydrogen refueling stations installed historically, so a forecast based on historical trends is not available.

NSE - Zero-Based

N/A.

**Beginning of Workpaper Sub Details for
Workpaper Group 00734A**

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 2. Hydrogen Refueling Stations
 Workpaper Group: 00734A - Hydrogen Refueling Stations
 Workpaper Detail: 00734A.001 - Hydrogen Refueling Station - Pico Rivera - RAMP
 In-Service Date: 04/30/2024

Description:

Installation of new hydrogen refueling station at Pico Rivera.

Forecast In 2021 \$(000)				
	Years	2022	2023	2024
Labor		12	428	172
Non-Labor		609	20,311	8,243
NSE		0	0	0
	Total	621	20,739	8,415
FTE		0.1	2.6	2.6

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 2. Hydrogen Refueling Stations
 Workpaper Group: 00734A - Hydrogen Refueling Stations
 Workpaper Detail: 00734A.001 - Hydrogen Refueling Station - Pico Rivera - RAMP

RAMP Item # 1

RAMP Activity

RAMP Chapter: SCG-CFF-2 Energy Resilience
 RAMP Line Item ID: New
 RAMP Line Item Name: Hydrogen Refueling Stations
 Tranche(s): Tranche1: Non-Vehicle

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Costs (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2022 to 2024 Forecast (2021 \$)	2022 to 2024 RAMP Range (2020 Incurred \$)	
						Low	High
Tranche 1 Cost Estimate	0	621	20,739	8,415	29,775	0	0

Cost Estimate Changes from RAMP:
 Cost estimate not forecasted in RAMP.

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2022 to 2024 Forecast Activities	2022 to 2024 RAMP Range Activities	
						Low	High
Tranche 1 # of Projects	0.00	0.00	0.00	1.00	1.00	0.00	0.00

Work Unit Changes from RAMP:
 Unit forecast not forecasted in RAMP.

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

RSE Changes from RAMP:
 N/A.

Beginning of Workpaper Group
00734C - Electric Vehicle Charging

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 3. EV Charging
 Workpaper Group: 00734C - Electric Vehicle Charging

Summary of Results (Constant 2021 \$ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast		
		2017	2018	2019	2020	2021	2022	2023	2024
Labor	Zero-Based	0	0	0	0	0	108	106	93
Non-Labor	Zero-Based	0	0	0	0	0	5,119	5,023	4,391
NSE	Zero-Based	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	5,227	5,129	4,484
FTE	Zero-Based	0.0	0.0	0.0	0.0	0.0	1.1	1.0	0.9

Business Purpose:

As SoCalGas moves towards decarbonizing our fleet, existing light duty vehicles will be replaced with battery electric vehicles. By installing EV charging ports at facilities, the Company employees using BEVs will have access to a well-spaced network to charge vehicles when working at facilities within SoCalGas's diverse service territory .

Physical Description:

Install electric vehicle charging ports and upgrade the electric infrastructure at facilities to accommodate the EV charging equipment at facilities owned by SoCalGas.

Project Justification:

To support the State of California's goals established by Assembly Bill (AB) 32 and accelerated in SB 32, SoCalGas will replace existing light duty fleet vehicles with electric vehicles starting in 2022. To prepare for the electric vehicle fleet, SoCalGas will install approximately 1,200 electric vehicle charging ports at its employee assigned facilities.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
Witness: Brenton K. Guy
Budget Code: 00734.0
Category: E. Fleet Alternative Refueling
Category-Sub: 3. EV Charging
Workpaper Group: 00734C - Electric Vehicle Charging

Forecast Methodology:

Labor - Zero-Based

The calculations support 0.9 - 1.1 FTEs that have their labor costs spread over multiple projects for each annual budget. There have not been any EV charging ports installed at facilities, so a labor forecast based on historical projects is not available.

Non-Labor - Zero-Based

The forecast for this cost category was determined by using vendor cost estimates for equipment, then prorating the infrastructure costs based on another vendor cost estimate. There have not been any EV charging ports installed at facilities, so a forecast based on historical projects is not available.

NSE - Zero-Based

Not applicable.

**Beginning of Workpaper Sub Details for
Workpaper Group 00734C**

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 3. EV Charging
 Workpaper Group: 00734C - Electric Vehicle Charging
 Workpaper Detail: 00734C.001 - Electric Vehicle Charging 2022
 In-Service Date: 12/31/2022

Description:

Upgrade the electrical infrastructure and install charging equipment for electric vehicles at bases and headquarter facilities in 2022.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		108	0	0
Non-Labor		5,119	0	0
NSE		0	0	0
	Total	<u>5,227</u>	<u>0</u>	<u>0</u>
FTE		1.1	0.0	0.0

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 3. EV Charging
 Workpaper Group: 00734C - Electric Vehicle Charging
 Workpaper Detail: 00734C.002 - Electric Vehicle Charging 2023
 In-Service Date: 12/31/2023

Description:

Upgrade the electrical infrastructure and install charging equipment for electric vehicles at bases and headquarter facilities in 2023.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		0	106	0
Non-Labor		0	5,023	0
NSE		0	0	0
	Total	0	5,129	0
FTE		0.0	1.0	0.0

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Area: FACILITIES/OTHER
 Witness: Brenton K. Guy
 Budget Code: 00734.0
 Category: E. Fleet Alternative Refueling
 Category-Sub: 3. EV Charging
 Workpaper Group: 00734C - Electric Vehicle Charging
 Workpaper Detail: 00734C.003 - Electric Vehicle Charging 2024
 In-Service Date: 12/31/2024

Description:

Upgrade the electrical infrastructure and install charging equipment for electric vehicles at bases and headquarter facilities in 2024.

Forecast In 2021 \$(000)				
	Years	<u>2022</u>	<u>2023</u>	<u>2024</u>
Labor		0	0	93
Non-Labor		0	0	4,391
NSE		0	0	0
	Total	0	0	4,484
FTE		0.0	0.0	0.9

Note: Totals may include rounding differences.

Supplemental Workpapers for Workpaper Group 00734C

REDACTED

SUPPLEMENTAL CAPITAL WORKPAPERS TO
PREPARED DIRECT TESTIMONY
OF BRENTON K. GUY

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Confidential and Protected Materials Pursuant to PUC Section 583 and GO 66-D Rev. 1
SCG-19-ESRE-BKG-653 CCM Building CONFIDENTIAL

Control Center Modernization Building Estimate									
Total Square Feet	68,716				2018-2021	2022	2023	2024	Total 2022-2024
Company Labor	Unit Cost	Units	Qty	Prelim Budget					
Internal Labor		Monthly							
V&S		Monthly							
Labor Subtotal									
Consultants and Support Staff		Units							
Architect		LS							
General Contractor		LS							
Scheduler Support		MO							
Project Management Support		MO							
SWPPM - Monitor		MO							
GeoTechnical - Design Assist		LS							
Special Inspections		\$/SF							
Consultants and Support Staff Subtotal									
Permitting, Legal and Insurance									
Plan Check Fees		\$/SF			\$ -				
Permit Fees		\$/SF			\$ -				
Builders Risk		%			\$ -				
Permitting, Legal and Insurance Subtotal									
Construction									
Site Preparation		\$/SF			\$ -				
Additional Parking		LS			\$ -				
Site Improvements		\$/SF			\$ -				
Foundations and Excavation		\$/SF			\$ -				
Superstructure		\$/SF			\$ -				
Exterior Vertical Enclosures		\$/SF			\$ -				
Exterior Horizontal Enclosures		\$/SF			\$ -				
Interior Construction		\$/SF			\$ -				
Interior Finishes		\$/SF			\$ -				
Conveying		\$/SF			\$ -				
Plumbing		\$/SF			\$ -				
HVAC		\$/SF			\$ -				
Fire Protection		\$/SF			\$ -				
Electrical		\$/SF			\$ -				
Equipment and Furnishings		\$/SF			\$ -				
Liquid and Gas Site Utilities		\$/SF			\$ -				
Electrical Site Improvements		\$/SF			\$ -				
Site communication systems		\$/SF			\$ -				
General Requirements		\$/SF			\$ -				
LEED Platinum Adder		%			\$ -				
Construction Subtotal									
Technology									
Horizontal SCCS Implementation		\$/Outlet			\$ -				
Backbone Cable Connectivity		EA			\$ -				
IDF/MDF Rooms Build-Out		EA			\$ -				
Corporate IT Network Equipment		LS			\$ -				
Access Control/Cameras		LS			\$ -				
Phones		EA			\$ -				
AV - Conference Rooms		EA			\$ -				
AV RF Shared systems		EA			\$ -				
Control Room					\$ -				
War Room and Overlook Room					\$ -				
Training Simulator					\$ -				
Outage Coordination					\$ -				
Watch Office					\$ -				
EOC					\$ -				

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Confidential and Protected Materials Pursuant to PUC Section 583 and GO 66-D Rev. 1
SCG-19-ESRE-BKG-653 CCM Building CONFIDENTIAL

Control Center Modernization Building Estimate									
Total Square Feet	68,716				2018-2021	2022	2023	2024	Total 2022-2024
Technology Subtotal									
FF&E Costs									
Systems Furniture Design		LS							
Workstations		EA							
Task Chairs		EA							
Private Office Furniture		EA							
Ancillary Furniture		\$/SF							
Conference / Soft Conference		EA							
Console Design		LS							
Consoles - Control Room		\$/console							
Consoles - Simulator		\$/console							
Consoles - Watch Office		\$/console							
Signage - Interior		LS							
Signage - Wayfinding		LS							
Signage - Exterior		LS							
Artwork/Branding		\$/SF							
Moving Costs		\$/SF							
FF&E Subtotal									
Escalation									
Contingency									
Project Total						\$ 7,108,715	\$ 29,824,986	\$ 40,281,750	\$ 77,215,451

4.9 Estimate Summary

4.10 Phase 1 Estimate Summary

Table 4-1 Phase 1 Estimate Summary

Description	Electrolyzer 200 (kUSD)	Electrolyzer 1200 (kUSD)	SMR 1200 (kUSD)	Delivered Gas 200 (kUSD)	Delivered Liquid 200 (kUSD)	Delivered Liquid 1200 (kUSD)
Direct Field Material (Includes Civil, Piling, Concrete, Structural Steel, Mechanical Equipment, Piping, Electrical, Control Systems, Insulation, Painting, and Fireproofing Material)						
Direct Field Labor (Includes the direct labor costs associated with the material referenced above.)						
Subtotal Direct Field Cost (DFC)						
Indirects						
Construction Mgmt.						
Subtotal Indirects						
Freight						
Home Office						
Vendor Reps						
SU/Comm Support						
Bare Total Installed Cost (BTIC)						
Contingency						
Total Installed Cost (TIC)						

Southern California Gas Company
2024 GRC - APP
Capital Workpapers

Confidential and Protected Materials Pursuant to PUC Section 583 and GO 66-D Rev. 1

SCG-19-ESRE-BKG-734C EV Charging CONFIDENTIAL

SoCalGas EV Charging Plan SUMMARY

2022		2023		2024	
Site	Charger Plugs	Site	Charger Plugs	Site	Charger Plugs
SANTA MARIA		GOLETA		OXNARD	
BAKERSFIELD NORTH		SANTA BARBARA		VALENCIA	
SAN LUIS OBISPO		HANFORD		VISALIA	
SATICOY		PORTERVILLE		LANCASTER	
CHATSWORTH		SIMI VALLEY		TAFT	
COMPTON		HONOR RANCHO		TEMPLETON	
PLAYA DEL REY		ALISO CANYON		BRANFORD	
ENERGY RESOURCE CENTER		EL CENTRO		ROMOLAND	
ANAHEIM		HUNTINGTON PARK		BLYTHE	
PASADENA		MONTEBELLO		PALM DESERT	
CANOGA		BELVEDERE		BEAUMONT	
Total		GLENDALE		YUCCA VALLEY	
		JUANITA		CORONA	
		CRENSHAW		MURRIETA	
		SAN PEDRO		REDLANDS	
		GARDEN GROVE		VICTORVILLE	
		LA JOLLA		CHINO	
		WHITTIER		SAN BERNARDINO	
		BREA		NEEDLES	
		SAN DIMAS		RIVERSIDE	
		MONTEREY PARK		FONTANA	
		INDUSTRY		ALHAMBRA	
		Total		AZUSA	
				HOLLYWOOD	
				182ND STREET	
				DOWNEY	
				YUKON	
				SANTA MONICA	
				PICO RIVERA	
				SANTA ANA	
				ALISO VIEJO	
				Total	

EV Charging Estimate	
2022	\$5,119,247
2023	\$5,023,354
2024	\$4,391,362

**BEFORE THE PUBLIC UTILITIES
COMMISSION OF THE STATE OF CALIFORNIA**

**DECLARATION OF JEFFERY L. WALKER
REGARDING CONFIDENTIALITY OF CERTAIN DATA/DOCUMENTS
PURSUANT TO D.19-01-028**

I, Jeffery L. Walker, do declare as follows:

1. I am Senior Vice President (SVP) and Chief Administrative and Diversity Officer for Southern California Gas Company (SoCalGas). I have reviewed the confidential information included within Supplemental Workpapers (1) SCG-19-ESRE-BKG-2200-0618.000 GCT Rents; (2) SCG-19-ESRE-BKG-653 CCM Building; (3) SCG-19-ESRE-BKG-734C EV Charging; and (4) SCG-19-ESRE-BKG-734A Hydrogen Refueling Stations submitted concurrently herewith. I am personally familiar with the facts in this Declaration and, if called upon to testify, I could and would testify to the following based upon my personal knowledge and/or information and belief.

2. I hereby provide this Declaration in accordance with Decision (D.) 19-01-028 and General Order (GO) 66-D Revision 1¹ to demonstrate that the confidential information (Protected Information) provided within Supplemental Workpapers (1) SCG-19-ESRE-BKG-2200-0618.000 GCT Rents; (2) SCG-19-ESRE-BKG-653 CCM Building; (3) SCG-19-ESRE-BKG-734C EV Charging; and (4) SCG-19-ESRE-BKG-734A Hydrogen Refueling Stations is within the scope of data protected as confidential under applicable law.

3. In accordance with the narrative justification described in Attachment A, the Protected Information should be protected from public disclosure.

¹ GO 66-D was modified by D.19-01-028 to create GO 66-D Revision 1 which became effective February 1, 2019.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct to the best of my knowledge.

Executed this 16th day of May, 2022, at Los Angeles, California.

/s/ Jeffery Walker

Jeffery Walker
Senior Vice President – Chief Administrative
and Diversity Officer
Southern California Gas Company

ATTACHMENT A

SoCalGas Request for Confidentiality on the following information in its Supplemental Workpapers

Location of Protected Information	Legal Citations	Narrative Justification
<p>The information shaded in yellow for the following Supplemental Workpapers is confidential:</p> <p>(1) SCG-19-ESRE-BKG-2200-0618.000 GCT Rents</p>	<p>CPRA Exemption, Gov't Code § 6254(k).</p> <ul style="list-style-type: none"> • Cal. Evid. Code § 1060 • Cal. Civil Code § 3426 <i>et seq.</i> <p>CPRA Exemption, Gov't Code § 6254.7(d) (trade secrets).</p>	<p><u>Market-sensitive lease cost and term information.</u> if disclosed could provide market participants and SoCalGas's competitors with insight into SoCalGas's real estate and facilities activities, plans, and strategies, which would place SoCalGas at an unfair business disadvantage. This could ultimately result in increased costs to core ratepayers. If disclosed, SoCalGas's competitors and market participants could also derive economic value from this information.</p>
<p>(2) SCG-19-ESRE-BKG-653 CCM Building;</p> <p>(3) SCG-19-ESRE-BKG-734C EV Charging;</p> <p>(4) SCG-19-ESRE-BKG-734A Hydrogen Refueling Stations</p>	<p>CPRA Exemption, Gov't Code § 6254.7(d) (Trade Secrets).²</p> <p>CPRA Exemption, Gov't Code § 6254.15 (disclosure not required for "corporate financial records, corporate proprietary information...").</p> <p>CPRA Exemption, Gov't Code § 6254(k) ("Records, the disclosure of which is exempted or prohibited pursuant to federal or state law").</p>	<p><u>Detailed Project Descriptions:</u> This information could include discussion of building expansions and upgrades and other data that might disclose market-sensitive information, providing a competitive advantage to other businesses. If this information was released it could pose negative financial impacts which could be detrimental to the customer, or pose a security threat by revealing utilities' strategies and plans to recover from a disaster.</p>

² "Trade secrets . . . may include, but are not limited to, any formula, plan, pattern, process, tool, mechanism, compound, procedure, production data, or compilation of information which is not patented, which is known only to certain individuals within a commercial concern who are using it to fabricate, produce, or compound an article of trade or a service having commercial value and which gives its user an opportunity to obtain a business advantage over competitors who do not know or use it."

	<ul style="list-style-type: none">• Cal. Evid. Code § 1060• Cal. Civil Code §§ 3426 <i>et seq.</i> (relating to trade secrets)³• 5 U.S.C. § 552(b)(4) (Exemption 4 of FOIA protecting “trade secrets and commercial or financial information obtained from a person and privileged or confidential”)	
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³ Civil Code Section 3426.1 defines “trade secret” as “information, including a formula, pattern, compilation, program, device, method, technique, or process, that:
(1) Derives independent economic value, actual or potential, from not being generally known to the public or to other persons who can obtain economic value from its disclosure or use; and
(2) Is the subject of efforts that are reasonable under the circumstances to maintain its secrecy.”