Application of SOUTHERN CALIFORNIA GAS)
COMPANY for authority to update its gas)
revenue requirement and base rates)
effective January 1, 2028 (U 904-G))

Application No.: A.26-06-014

Exhibit No.: (SCG-06-CWP.1)

REVISED CAPITAL WORKPAPERS TO PREPARED DIRECT TESTIMONY OF DEVIN K. ZORNIZER ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY

BEFORE THE PUBLIC UTILITIES COMMISSION

OF THE STATE OF CALIFORNIA

SEPTEMBER 2026

2028 General Rate Case - REVISED

INDEX OF WORKPAPERS

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Overall Summary For Exhibit No. SCG-06-CWP.1

Area: GAS MAJOR PROJECTS

Witness: Devin K. Zornizer

In 2025 $ (000)

	Adjusted-Forecast					
	2026	2027	2028	2029	2030	2031
A. Pipeline Safety Enhancement Plan	35,262	83,968	114,178	103,609	103,834	102,036
B. Gas Safety Enhancement Programs Execution	101,166	127,108	134,930	122,825	125,628	125,996
C. TIMP Execution	136,333	136,284	136,248	136,249	136,238	136,261
D. HP Distribution Assessments Execution	0	0	15,680	15,681	15,679	15,682
E. Compressor Station Compliance and Safety Programs	12,971	0	31,410	0	0	0
F. CCM Ongoing Programmatic Activities	18,611	25,299	27,594	27,595	27,585	27,534
G. Blowdown Reduction	9,652	9,646	8,644	7,344	7,343	7,345
Total	**313,995**	**382,305**	**468,684**	**413,303**	**416,307**	**414,854**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Category: A. Pipeline Safety Enhancement Plan
Workpaper: VARIOUS

Summary for Category: A. Pipeline Safety Enhancement Plan

In 2025$ (000) Incurred Costs

	Adjusted-Recorded	Adjusted-Forecast					
	2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	3,043	4,093	3,914	5,384	5,276	5,373	3,857
Non-Labor	25,400	31,169	80,054	108,794	98,333	98,461	98,179
NSE	0	0	0	0	0	0	0
Total	**28,443**	**35,262**	**83,968**	**114,178**	**103,609**	**103,834**	**102,036**
FTE	24.9	26.6	25.5	35.3	34.5	35.2	25.3
Workpapers belonging to this Category:							
005120 PSEP Phase 2A Replacements							
Labor	599	890	1,029	868	498	686	866
Non-Labor	2,665	1,152	52,170	13,402	1,673	9,402	20,507
NSE	0	0	0	0	0	0	0
Total	**3,264**	**2,042**	**53,199**	**14,270**	**2,171**	**10,088**	**21,373**
FTE	5.1	5.8	6.7	5.7	3.3	4.5	5.7
Unit Measure: Miles of Pipe							
Units	0	0	13	2	0	1	2
005580 PSEP Phase 1B Replacements							
Labor	706	1,508	1,597	3,329	3,738	2,612	1,525
Non-Labor	5,701	11,567	8,500	75,774	77,379	61,135	57,201
NSE	0	0	0	0	0	0	0
Total	**6,407**	**13,075**	**10,097**	**79,103**	**81,117**	**63,747**	**58,726**
FTE	5.6	9.8	10.4	21.8	24.4	17.1	10.0
Unit Measure: Miles of Pipe							
Units	0	0	0	2	3	52	13

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Category: A. Pipeline Safety Enhancement Plan
Workpaper: VARIOUS

	In 2025$ (000) Incurred Costs						
	Adjusted-Recorded	Adjusted-Forecast					
	2025	2026	2027	2028	2029	2030	2031
005630 PSEP Phase 2A Capital Component of Hydrotests							
Labor	1,738	1,695	1,288	1,187	1,040	2,075	1,466
Non-Labor	17,034	18,450	19,384	19,618	19,281	27,924	20,471
NSE	0	0	0	0	0	0	0
Total	**18,772**	**20,145**	**20,672**	**20,805**	**20,321**	**29,999**	**21,937**
FTE	14.2	11.0	8.4	7.8	6.8	13.6	9.6
Unit Measure: Feet							
Units	0	1,102	1,303	344	290	3,414	2,178

Note: Totals may include rounding differences.

Beginning of Workpaper Group
005120 - PSEP Phase 2A Replacements

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00512.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005120 - PSEP Phase 2A Replacements
Unit Measure: Miles of Pipe

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	Zero-Based	1,982	1,661	2,614	2,641	599	890	1,029	868	498	686	866
Non-Labor	Zero-Based	13,934	19,462	26,807	21,487	2,665	1,152	52,170	13,402	1,673	9,402	20,507
NSE	Zero-Based	0	0	0	0	0	0	0	0	0	0	0
Total		**15,916**	**21,123**	**29,421**	**24,128**	**3,264**	**2,042**	**53,199**	**14,270**	**2,171**	**10,088**	**21,373**
FTE	Zero-Based	11.4	12.8	20.9	19.6	5.1	5.8	6.7	5.7	3.3	4.5	5.7
Units	Zero-Based	1	1	27	1	0	0	13	2	0	1	2

Business Purpose:

Pursuant to CPUC Decision D.11-06-017, SoCalGas is required to replace or pressure test natural gas transmission pipelines that have not been previously pressure tested or for which reliable and complete records are unavailable. PSEP Phase 2A Replacements enhances public safety through replacement of pipelines that do not have sufficient documentation of a pressure test to achieve at least 125% of MAOP and are in Classes 1 and 2 of non-HCAs.

Physical Description:

These costs represent PSEP Phase 2A replacement projects that are scheduled to be placed in service during the forecast period . Detailed information at a project level is contained in the supplemental workpapers (Ex. SCG-06-WP-S, Volume I).

Project Justification:

The Commission ordered this work in directing California pipeline operators to “to replace or pressure test all natural gas transmission pipeline in

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00512.0
Category:	A. Pipeline Safety Enhancement Plan
Category-Sub:	1. Pipeline Safety Enhancement Plan
Workpaper Group:	005120 - PSEP Phase 2A Replacements
Unit Measure:	Miles of Pipe

California that has not been tested or for which reliable records are not available." in D. 11-06-017.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00512.0
Category:	A. Pipeline Safety Enhancement Plan
Category-Sub:	1. Pipeline Safety Enhancement Plan
Workpaper Group:	005120 - PSEP Phase 2A Replacements
Unit Measure:	Miles of Pipe

Forecast Methodology:

Labor - Zero-Based

Labor costs are taken from project-specific estimates developed by SoCalGas following the Association for the Advancement of Cost Engineering (AACE) estimating standards per industry practices. This method is most appropriate because each PSEP project is unique in scope, size, and complexity.

Non-Labor - Zero-Based

Non-labor costs are taken from project-specific estimates developed by SoCalGas following the Association for the Advancement of Cost Engineering (AACE) estimating standards per industry practices. This method is most appropriate because each PSEP project is unique in scope, size, and complexity.

NSE - Zero-Based

Not applicable.

Units - Zero-Based

Miles of Pipe

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00512.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group 005120 - PSEP Phase 2A Replacements
Unit Measure: Miles of Pipe

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	859	999	846	485	669	843	31	30	22	13	17	23	890	1,029	868	498	686	866
NLbr	1,152	52,170	13,402	1,673	9,402	20,507	0	0	0	0	0	0	1,152	52,170	13,402	1,673	9,402	20,507
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**2,011**	**53,169**	**14,248**	**2,158**	**10,071**	**21,350**	**31**	**30**	**22**	**13**	**17**	**23**	**2,042**	**53,199**	**14,270**	**2,171**	**10,088**	**21,373**
FTE	5.8	6.7	5.7	3.3	4.5	5.7	0.0	0.0	0.0	0.0	0.0	0.0	5.8	6.7	5.7	3.3	4.5	5.7
Units	0	13	2	0	1	2	0	0	0	0	0	0	0	13	2	0	1	2

Forecast Adjustment Details:

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2026	31	0	0	31	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2026 Total	**31**	**0**	**0**	**31**	**0.0**	**0**
2027	30	0	0	30	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2027 Total	**30**	**0**	**0**	**30**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00512.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group 005120 - PSEP Phase 2A Replacements
Unit Measure: Miles of Pipe

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2028	22	0	0	22	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2028 Total	**22**	**0**	**0**	**22**	**0.0**	**0**
2029	13	0	0	13	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2029 Total	**13**	**0**	**0**	**13**	**0.0**	**0**
2030	17	0	0	17	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	**17**	**0**	**0**	**17**	**0.0**	**0**
2031	23	0	0	23	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	**23**	**0**	**0**	**23**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00512.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005120 - PSEP Phase 2A Replacements
Unit Measure: Miles of Pipe

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	-15	4	0	0	10
Non-Labor	-725	124	0	0	195
NSE	0	0	0	0	0
Total	**-741**	**128**	**0**	**0**	**205**
FTE	-0.2	0.0	0.0	0.0	0.1
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	1,201	1,159	2,135	2,179	499
Non-Labor	10,527	15,805	25,378	20,582	2,471
NSE	0	0	0	0	0
Total	**11,728**	**16,964**	**27,513**	**22,762**	**2,970**
FTE	9.8	10.8	17.9	16.7	4.2
Units	1	1	27	1	0
Recorded-Adjusted (Nominal $)					
Labor	1,186	1,163	2,135	2,180	509
Non-Labor	9,802	15,929	25,378	20,582	2,665
NSE	0	0	0	0	0
Total	**10,988**	**17,092**	**27,513**	**22,762**	**3,174**
FTE	9.6	10.8	17.9	16.7	4.3
Units	1	1	27	1	0
Vacation & Sick (Nominal $)					
Labor	209	196	339	350	90

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00512.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005120 - PSEP Phase 2A Replacements
Unit Measure: Miles of Pipe

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**209**	**196**	**339**	**350**	**90**
FTE	1.8	2.0	3.0	2.9	0.8
Units	0	0	0	0	0
Escalation to 2025$					
Labor	587	302	139	111	0
Non-Labor	4,132	3,533	1,429	905	0
NSE	0	0	0	0	0
Total	**4,719**	**3,835**	**1,568**	**1,016**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	1,982	1,661	2,614	2,641	599
Non-Labor	13,934	19,462	26,807	21,487	2,665
NSE	0	0	0	0	0
Total	**15,916**	**21,123**	**29,421**	**24,128**	**3,264**
FTE	11.4	12.8	20.9	19.6	5.1
Units	1	1	27	1	0

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00512.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005120 - PSEP Phase 2A Replacements
Unit Measure: Miles of Pipe

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	1,201	1,159	2,135	2,179	499
Non-Labor	10,527	15,805	25,378	20,582	2,471
NSE	0	0	0	0	0
Total	**11,728**	**16,964**	**27,513**	**22,762**	**2,970**
FTE	9.8	10.8	17.9	16.7	4.2
Units	1	1	27	1	0

Detail of Adjustments to Recorded in Nominal $:

Year	Labor	NLbr	NSE	Total	FTE	Units
2021	0	0	0	0	0.0	1

Explanation: Added unit measure and count information.

2021	1,201	10,527	0	11,728	9.8	0

Explanation: Phase 2A Replacement project costs were improperly mapped to the Phase 2A Capital Component of Hydrotests projects workpaper. This adjustment will transfer the Phase 2A Replacement project costs to their appropriate workpaper 00512.000.

2021 Total	1,201	10,527	0	11,728	9.8	1

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00512.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005120 - PSEP Phase 2A Replacements
Unit Measure: Miles of Pipe

Year	Labor	NLbr	NSE	Total	FTE	Units
2022	0	0	0	0	0.0	1
Explanation:	Added unit measure and count information.					
2022	1,159	15,805	0	16,964	10.8	0
Explanation:	Phase 2A Replacement project costs were improperly mapped to the Phase 2A Capital Component of Hydrotests projects workpaper. This adjustment will transfer the Phase 2A Replacement project costs to their appropriate workpaper 00512.000.					
2022 Total	1,159	15,805	0	16,964	10.8	1
2023	0	0	0	0	0.0	27
Explanation:	Added unit measure and count information.					
2023	2,135	25,378	0	27,513	17.9	0
Explanation:	Phase 2A Replacement project costs were improperly mapped to the Phase 2A Capital Component of Hydrotests projects workpaper. This adjustment will transfer the Phase 2A Replacement project costs to their appropriate workpaper 00512.000.					
2023 Total	2,135	25,378	0	27,513	17.9	27
2024	0	0	0	0	0.0	1
Explanation:	Added unit measure and count information.					
2024	2,179	20,582	0	22,762	16.7	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00512.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005120 - PSEP Phase 2A Replacements
Unit Measure: Miles of Pipe

Year	Labor	NLbr	NSE	Total	FTE	Units
Explanation:	Phase 2A Replacement project costs were improperly mapped to the Phase 2A Capital Component of Hydrotests projects workpaper. This adjustment will transfer the Phase 2A Replacement project costs to their appropriate workpaper 00512.000.					
2024 Total	2,179	20,582	0	22,762	16.7	1
2025	499	2,471	0	2,970	4.2	0
Explanation:	Phase 2A Replacement project costs were improperly mapped to the Phase 2A Capital Component of Hydrotests projects workpaper. This adjustment will transfer the Phase 2A Replacement project costs to their appropriate workpaper 00512.000.					
2025	0	0	0	0	0.0	0
Explanation:	To reflect proper unit of measure.					
2025 Total	499	2,471	0	2,970	4.2	0

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group 005120

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00512.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005120 - PSEP Phase 2A Replacements
Workpaper Detail: 005120.001 - PSEP Phase 2A Replacements
Unit Measure: Miles of Pipe

In-Service Date: Not Applicable

Description:

Workpaper detail reflects a portfolio of PSEP Phase 2 Replacement Projects to be executed. See supplemental workpapers for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	137	634	868	297	605	27
Non-Labor	347	284	13,402	555	8,196	739
NSE	0	0	0	0	0	0
Total	**484**	**918**	**14,270**	**852**	**8,801**	**766**
FTE	0.9	4.1	5.7	2.0	4.0	0.2
Units	0	0	2	0	1	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00512.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005120 - PSEP Phase 2A Replacements
Workpaper Detail: 005120.002 - PSEP-SL38-539-P2A
Unit Measure: Miles of Pipe

In-Service Date: 09/30/2027

Description:

Workpaper detail reflects costs associated with the PSEP Supply Line 38-539 Phase 2A Replacement Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	525	275	0	0	0	0
Non-Labor	464	29,891	0	0	0	0
NSE	0	0	0	0	0	0
Total	**989**	**30,166**	**0**	**0**	**0**	**0**
FTE	3.4	1.8	0.0	0.0	0.0	0.0
Units	0	7	0	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00512.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005120 - PSEP Phase 2A Replacements
Workpaper Detail: 005120.003 - PSEP-SL38-539-P2-01-NORTH
Unit Measure: Miles of Pipe

In-Service Date: 09/30/2027

Description:

Workpaper detail reflects costs associated with the PSEP Supply Line 38-539 North Phase 2A Replacement Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	228	120	0	0	0	0
Non-Labor	341	21,995	0	0	0	0
NSE	0	0	0	0	0	0
Total	**569**	**22,115**	**0**	**0**	**0**	**0**
FTE	1.5	0.8	0.0	0.0	0.0	0.0
Units	0	6	0	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00512.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005120 - PSEP Phase 2A Replacements
Workpaper Detail: 005120.004 - PSEP-SL38-952-P2A
Unit Measure: Miles of Pipe

In-Service Date: 07/31/2031

Description:

Workpaper detail reflects costs associated with the PSEP Supply Line 38-952 Phase 2A Replacement Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	0	201	81	839
Non-Labor	0	0	0	1,118	1,206	19,768
NSE	0	0	0	0	0	0
Total	**0**	**0**	**0**	**1,319**	**1,287**	**20,607**
FTE	0.0	0.0	0.0	1.3	0.5	5.5
Units	0	0	0	0	0	2

Note: Totals may include rounding differences.

Beginning of Workpaper Group
005580 - PSEP Phase 1B Replacements

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005580 - PSEP Phase 1B Replacements
Unit Measure: Miles of Pipe

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	Zero-Based	3,121	1,870	1,287	925	706	1,508	1,597	3,329	3,738	2,612	1,525
Non-Labor	Zero-Based	63,638	18,850	12,439	7,747	5,701	11,567	8,500	75,774	77,379	61,135	57,201
NSE	Zero-Based	0	0	0	0	0	0	0	0	0	0	0
Total		**66,759**	**20,720**	**13,727**	**8,672**	**6,406**	**13,075**	**10,097**	**79,103**	**81,117**	**63,747**	**58,726**
FTE	Zero-Based	21.3	14.2	11.1	7.0	5.6	9.8	10.4	21.8	24.4	17.1	10.0
Units	Zero-Based	37	22	11	1	0	0	0	2	3	52	13

Business Purpose:

Pursuant to CPUC Decision D.11-06-017, SoCalGas is required to address retrofitting pipelines to allow for in-line inspection tools. PSEP Phase 1B Replacements enhances public safety through replacement of pipelines installed prior to1946 that cannot accommodate inline inspection tools (i.e., “non-piggable” pipelines) with new pipe constructed using state-of-the-art methods and to modern standards, including current pressure test standards.

Physical Description:

These costs represent PSEP Phase 1B replacement projects that are scheduled to be placed in service during the forecast period. Detailed information at a project level is contained in the supplemental workpapers (Ex. SCG-06-WP-S, Volume I).

Project Justification:

The Commission ordered this work in directing California pipeline operators to “address retrofitting pipeline to allow for in-line inspection tools.” in

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00558.0
Category:	A. Pipeline Safety Enhancement Plan
Category-Sub:	1. Pipeline Safety Enhancement Plan
Workpaper Group:	005580 - PSEP Phase 1B Replacements
Unit Measure:	Miles of Pipe

D.11-06-017.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00558.0
Category:	A. Pipeline Safety Enhancement Plan
Category-Sub:	1. Pipeline Safety Enhancement Plan
Workpaper Group:	005580 - PSEP Phase 1B Replacements
Unit Measure:	Miles of Pipe

Forecast Methodology:

Labor - Zero-Based

Labor costs are taken from project-specific estimates developed by SoCalGas following the Association for the Advancement of Cost Engineering (AACE) estimating standards per industry practices. This method is most appropriate because each PSEP project is unique in scope, size, and complexity.

Non-Labor - Zero-Based

Non-labor costs are taken from project-specific estimates developed by SoCalGas following the Association for the Advancement of Cost Engineering (AACE) estimating standards per industry practices. This method is most appropriate because each PSEP project is unique in scope, size, and complexity.

NSE - Zero-Based

Not applicable.

Units - Zero-Based

Miles of Pipe

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group 005580 - PSEP Phase 1B Replacements
Unit Measure: Miles of Pipe

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	1,456	1,550	3,244	3,642	2,548	1,484	52	47	85	96	64	41	1,508	1,597	3,329	3,738	2,612	1,525
NLbr	11,567	8,500	75,774	77,379	61,135	57,201	0	0	0	0	0	0	11,567	8,500	75,774	77,379	61,135	57,201
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**13,023**	**10,050**	**79,018**	**81,021**	**63,683**	**58,685**	**52**	**47**	**85**	**96**	**64**	**41**	**13,075**	**10,097**	**79,103**	**81,117**	**63,747**	**58,726**
FTE	9.8	10.4	21.8	24.4	17.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	10.4	21.8	24.4	17.1	10.0
Units	0	0	2	3	52	13	0	0	0	0	0	0	0	0	2	3	52	13

Forecast Adjustment Details:

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2026	52	0	0	52	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2026 Total	**52**	**0**	**0**	**52**	**0.0**	**0**
2027	47	0	0	47	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2027 Total	**47**	**0**	**0**	**47**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group 005580 - PSEP Phase 1B Replacements
Unit Measure: Miles of Pipe

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2028	85	0	0	85	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2028 Total	**85**	**0**	**0**	**85**	**0.0**	**0**
2029	96	0	0	96	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2029 Total	**96**	**0**	**0**	**96**	**0.0**	**0**
2030	64	0	0	64	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	**64**	**0**	**0**	**64**	**0.0**	**0**
2031	41	0	0	41	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	**41**	**0**	**0**	**41**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005580 - PSEP Phase 1B Replacements
Unit Measure: Miles of Pipe

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	1,867	1,309	1,052	763	600
Non-Labor	44,794	15,427	11,776	7,421	5,701
NSE	0	0	0	0	0
Total	**46,662**	**16,736**	**12,828**	**8,184**	**6,300**
FTE	17.9	12.0	9.5	6.0	4.7
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	37	22	11	1	0
Recorded-Adjusted (Nominal $)					
Labor	1,867	1,309	1,052	763	600
Non-Labor	44,794	15,427	11,776	7,421	5,701
NSE	0	0	0	0	0
Total	**46,662**	**16,736**	**12,828**	**8,184**	**6,300**
FTE	17.9	12.0	9.5	6.0	4.7
Units	37	22	11	1	0
Vacation & Sick (Nominal $)					
Labor	330	221	167	122	106

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005580 - PSEP Phase 1B Replacements
Unit Measure: Miles of Pipe

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**330**	**221**	**167**	**122**	**106**
FTE	3.4	2.2	1.6	1.0	0.9
Units	0	0	0	0	0
Escalation to 2025$					
Labor	924	340	69	39	0
Non-Labor	18,843	3,423	663	326	0
NSE	0	0	0	0	0
Total	**19,767**	**3,763**	**732**	**365**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	3,121	1,870	1,287	925	706
Non-Labor	63,638	18,850	12,439	7,747	5,701
NSE	0	0	0	0	0
Total	**66,759**	**20,720**	**13,727**	**8,672**	**6,406**
FTE	21.3	14.2	11.1	7.0	5.6
Units	37	22	11	1	0

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005580 - PSEP Phase 1B Replacements
Unit Measure: Miles of Pipe

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	37	22	11	1	0

Detail of Adjustments to Recorded in Nominal $:

Year	Labor	NLbr	NSE	Total	FTE	Units
2021	0	0	0	0	0.0	37
Explanation:	Added unit measure and count information.					
2021 Total	0	0	0	0	0.0	37
2022	0	0	0	0	0.0	22
Explanation:	Added unit measure and count information.					
2022 Total	0	0	0	0	0.0	22

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005580 - PSEP Phase 1B Replacements
Unit Measure: Miles of Pipe

Year	Labor	NLbr	NSE	Total	FTE	Units
2023	0	0	0	0	0.0	11
Explanation:	Added unit measure and count information.					
2023 Total	0	0	0	0	0.0	11
2024	0	0	0	0	0.0	1
Explanation:	Added unit measure and count information.					
2024 Total	0	0	0	0	0.0	1
2025	0	0	0	0	0.0	0
Explanation:	To relfect proper unit of measure.					
2025 Total	0	0	0	0	0.0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group 005580

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005580 - PSEP Phase 1B Replacements
Workpaper Detail: 005580.001 - PSEP Phase 1B Replacements
Unit Measure: Miles of Pipe

In-Service Date: Not Applicable

Description:

Workpaper detail reflects a portfolio of PSEP Phase 1B Replacement Projects to be executed. See supplemental workpapers for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	681	629	722	719	724	723
Non-Labor	4,381	1,374	3,889	3,221	11,606	5,847
NSE	0	0	0	0	0	0
Total	**5,062**	**2,003**	**4,611**	**3,940**	**12,330**	**6,570**
FTE	4.5	4.2	4.7	4.7	4.7	4.7
Units	0	0	0	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005580 - PSEP Phase 1B Replacements
Workpaper Detail: 005580.002 - Line 85 Elk Hills to Lake Station
Unit Measure: Miles of Pipe

In-Service Date: 05/31/2031

Description:

Workpaper detail reflects costs associated with the PSEP Line 85 Elk Hills to Lake Station Phase 1B Replacement Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	62	62	122	286	1,414	802
Non-Labor	4,042	4,042	4,408	5,586	40,480	51,354
NSE	0	0	0	0	0	0
Total	**4,104**	**4,104**	**4,530**	**5,872**	**41,894**	**52,156**
FTE	0.4	0.4	0.7	1.8	9.2	5.3
Units	0	0	0	0	0	13

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005580 - PSEP Phase 1B Replacements
Workpaper Detail: 005580.003 - PSEP-SL36-1032-P1B-14-Z
Unit Measure: Miles of Pipe

In-Service Date: 09/30/2028

Description:

Workpaper detail reflects costs associated with the PSEP Supply Line 36-1032-14-Z Phase 1B Replacement Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	105	104	312	49	0	0
Non-Labor	101	202	1,558	64	0	0
NSE	0	0	0	0	0	0
Total	**206**	**306**	**1,870**	**113**	**0**	**0**
FTE	0.6	0.6	2.0	0.3	0.0	0.0
Units	0	0	1	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005580 - PSEP Phase 1B Replacements
Workpaper Detail: 005580.004 - PSEP-SL44-307-P1B-P1
Unit Measure: Miles of Pipe

In-Service Date: 10/31/2028

Description:

Workpaper detail reflects costs associated with the PSEP Supply Line 44-307-P1 Phase 1B Replacement Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	301	301	846	563	0	0
Non-Labor	993	1,390	38,911	2,923	0	0
NSE	0	0	0	0	0	0
Total	**1,294**	**1,691**	**39,757**	**3,486**	**0**	**0**
FTE	1.9	1.9	5.7	3.6	0.0	0.0
Units	0	0	1	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005580 - PSEP Phase 1B Replacements
Workpaper Detail: 005580.005 - PSEP-SL44-307-P1B-P2
Unit Measure: Miles of Pipe

In-Service Date: 10/31/2029

Description:

Workpaper detail reflects costs associated with the PSEP Supply Line 44-307-P2 Phase 1B Replacement Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	335	333	488	1,025	78	0
Non-Labor	1,014	1,419	4,054	44,145	2,984	0
NSE	0	0	0	0	0	0
Total	**1,349**	**1,752**	**4,542**	**45,170**	**3,062**	**0**
FTE	2.2	2.2	3.2	6.7	0.4	0.0
Units	0	0	0	1	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005580 - PSEP Phase 1B Replacements
Workpaper Detail: 005580.006 - PSEP-L1004-P1B-Sec 2 Repl
Unit Measure: Miles of Pipe

In-Service Date: 04/30/2029

Description:

Workpaper detail reflects costs associated with the PSEP Line 1004 Section 2 Phase 1B Replacement Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	24	168	839	666	8	0
Non-Labor	1,036	73	22,954	20,794	4	0
NSE	0	0	0	0	0	0
Total	**1,060**	**241**	**23,793**	**21,460**	**12**	**0**
FTE	0.2	1.1	5.5	4.3	0.1	0.0
Units	0	0	0	2	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00558.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005580 - PSEP Phase 1B Replacements
Workpaper Detail: 005580.007 - PSEP-44-307-P1B-P3
Unit Measure: Miles of Pipe

In-Service Date: 10/31/2030

Description:

Workpaper detail reflects costs associated with the PSEP Supply Line 44-307-P3 Phase 1B Replacement Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	0	430	388	0
Non-Labor	0	0	0	646	6,061	0
NSE	0	0	0	0	0	0
Total	**0**	**0**	**0**	**1,076**	**6,449**	**0**
FTE	0.0	0.0	0.0	3.0	2.7	0.0
Units	0	0	0	0	52	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group

005630 - PSEP Phase 2A Capital Component of Hydrotests

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Unit Measure: Feet

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	Zero-Based	3,740	3,281	2,002	2,889	1,738	1,695	1,288	1,187	1,040	2,075	1,466
Non-Labor	Zero-Based	28,404	22,105	20,404	45,119	17,034	18,450	19,384	19,618	19,281	27,924	20,471
NSE	Zero-Based	0	0	0	0	0	0	0	0	0	0	0
Total		**32,144**	**25,386**	**22,406**	**48,009**	**18,772**	**20,145**	**20,672**	**20,805**	**20,321**	**29,999**	**21,937**
FTE	Zero-Based	21.4	22.3	14.6	19.1	14.2	11.0	8.4	7.8	6.8	13.6	9.6
Units	Zero-Based	0	0	0	0	0	1,102	1,303	344	290	3,414	2,178

Business Purpose:

Pursuant to CPUC Decision D.11-06-017, SoCalGas is required to replace or pressure test natural gas transmission pipelines that have not been previously pressure tested or for which reliable and complete records are unavailable. PSEP Phase 2A Capital Component of Hydrotests enhances public safety through replacement and hydrotesting of pipelines that do not have sufficient documentation of a pressure test to achieve at least 125% of MAOP and are in Classes 1 and 2 of non-HCAs.

Physical Description:

These costs represent capital components of Phase 2A hydrotests that are scheduled to be placed in service during the forecast period. These costs include replacement of non-piggable features, integrity anomalies, and small sections of pipe where test heads will be installed to facilitate the test. O&M costs associated with these hydrotests are addressed in workpaper 2MP000.000. Detailed information at a project level is contained in the supplemental workpapers (Ex. SCG-06-WP-S, Volume I). Because hydrostatic pressure testing can result in test failures requiring pipeline replacement, an annual allowance is included in the GRC to account for these remediation activities.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00563.0
Category:	A. Pipeline Safety Enhancement Plan
Category-Sub:	1. Pipeline Safety Enhancement Plan
Workpaper Group:	005630 - PSEP Phase 2A Capital Component of Hydrotests
Unit Measure:	Feet

Project Justification:

The Commission ordered this work in directing California pipeline operators to “to replace or pressure test all natural gas transmission pipeline in California that has not been tested or for which reliable records are not available.” in D. 11-06-017.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00563.0
Category:	A. Pipeline Safety Enhancement Plan
Category-Sub:	1. Pipeline Safety Enhancement Plan
Workpaper Group:	005630 - PSEP Phase 2A Capital Component of Hydrotests
Unit Measure:	Feet

Forecast Methodology:

Labor - Zero-Based

Labor costs are taken from project-specific estimates developed by SoCalGas following the Association for the Advancement of Cost Engineering (AACE) estimating standards per industry practices. This method is most appropriate because each PSEP project is unique in scope, size, and complexity.

Non-Labor - Zero-Based

Non-labor costs are taken from project-specific estimates developed by SoCalGas following the Association for the Advancement of Cost Engineering (AACE) estimating standards per industry practices. The allowance for pipeline test failures is forecast based on an estimate that reflects historical test failure occurrences and the capital costs incurred to replace the effected segment. This method is most appropriate because each PSEP project is unique in scope, size, and complexity.

NSE - Zero-Based

Not Applicable.

Units - Zero-Based

Feet

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group 005630 - PSEP Phase 2A Capital Component of Hydrotests
Unit Measure: Feet

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	1,636	1,250	1,157	1,013	2,024	1,427	59	38	30	27	51	39	1,695	1,288	1,187	1,040	2,075	1,466
NLbr	18,450	19,384	19,618	19,281	27,924	20,471	0	0	0	0	0	0	18,450	19,384	19,618	19,281	27,924	20,471
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**20,086**	**20,634**	**20,775**	**20,294**	**29,948**	**21,898**	**59**	**38**	**30**	**27**	**51**	**39**	**20,145**	**20,672**	**20,805**	**20,321**	**29,999**	**21,937**
FTE	11.0	8.4	7.8	6.8	13.6	9.6	0.0	0.0	0.0	0.0	0.0	0.0	11.0	8.4	7.8	6.8	13.6	9.6
Units	1,102	1,303	344	290	3,414	2,178	0	0	0	0	0	0	1,102	1,303	344	290	3,414	2,178

Forecast Adjustment Details:

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2026	59	0	0	59	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2026 Total	**59**	**0**	**0**	**59**	**0.0**	**0**
2027	38	0	0	38	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2027 Total	**38**	**0**	**0**	**38**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group 005630 - PSEP Phase 2A Capital Component of Hydrotests
Unit Measure: Feet

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2028	30	0	0	30	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2028 Total	**30**	**0**	**0**	**30**	**0.0**	**0**
2029	27	0	0	27	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2029 Total	**27**	**0**	**0**	**27**	**0.0**	**0**
2030	51	0	0	51	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	**51**	**0**	**0**	**51**	**0.0**	**0**
2031	39	0	0	39	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	**39**	**0**	**0**	**39**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Unit Measure: Feet

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	3,439	3,456	3,771	4,564	1,976
Non-Labor	30,521	33,896	44,695	63,802	19,505
NSE	0	0	0	0	0
Total	**33,960**	**37,352**	**48,466**	**68,366**	**21,481**
FTE	27.8	29.7	30.3	33.0	16.1
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	-1,201	-1,159	-2,135	-2,179	-499
Non-Labor	-10,527	-15,805	-25,378	-20,582	-2,471
NSE	0	0	0	0	0
Total	**-11,728**	**-16,964**	**-27,513**	**-22,762**	**-2,970**
FTE	-9.8	-10.8	-17.9	-16.7	-4.2
Units	0	0	0	0	0
Recorded-Adjusted (Nominal $)					
Labor	2,238	2,297	1,635	2,385	1,477
Non-Labor	19,994	18,091	19,317	43,220	17,034
NSE	0	0	0	0	0
Total	**22,231**	**20,388**	**20,952**	**45,605**	**18,511**
FTE	18.0	18.9	12.4	16.3	11.9
Units	0	0	0	0	0
Vacation & Sick (Nominal $)					
Labor	395	388	260	383	261

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Unit Measure: Feet

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**395**	**388**	**260**	**383**	**261**
FTE	3.4	3.4	2.2	2.8	2.3
Units	0	0	0	0	0
Escalation to 2025$					
Labor	1,107	596	107	122	0
Non-Labor	8,410	4,014	1,088	1,899	0
NSE	0	0	0	0	0
Total	**9,518**	**4,610**	**1,194**	**2,021**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	3,740	3,281	2,002	2,889	1,738
Non-Labor	28,404	22,105	20,404	45,119	17,034
NSE	0	0	0	0	0
Total	**32,144**	**25,386**	**22,406**	**48,009**	**18,772**
FTE	21.4	22.3	14.6	19.1	14.2
Units	0	0	0	0	0

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Unit Measure: Feet

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	-1,201	-1,159	-2,135	-2,179	-499
Non-Labor	-10,527	-15,805	-25,378	-20,582	-2,471
NSE	0	0	0	0	0
Total	**-11,728**	**-16,964**	**-27,513**	**-22,762**	**-2,970**
FTE	-9.8	-10.8	-17.9	-16.7	-4.2
Units	0	0	0	0	0

Detail of Adjustments to Recorded in Nominal $:

Year	Labor	NLbr	NSE	Total	FTE	Units
2021	0	0	0	0	0.0	0

Explanation: Added unit measure and count information.

2021	-1,201	-10,527	0	-11,728	-9.8	0

Explanation: Phase 2A Replacement project costs were improperly mapped to the Phase 2A Capital Component of Hydrotests projects workpaper. This adjustment will transfer the Phase 2A Replacement project costs to their appropriate workpaper 00512.000.

2021 Total	-1,201	-10,527	0	-11,728	-9.8	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Unit Measure: Feet

Year	Labor	NLbr	NSE	Total	FTE	Units
2022	0	0	0	0	0.0	0
Explanation:	Added unit measure and count information.					
2022	-1,159	-15,805	0	-16,964	-10.8	0
Explanation:	Phase 2A Replacement project costs were improperly mapped to the Phase 2A Capital Component of Hydrotests projects workpaper. This adjustment will transfer the Phase 2A Replacement project costs to their appropriate workpaper 00512.000.					
2022 Total	-1,159	-15,805	0	-16,964	-10.8	0
2023	0	0	0	0	0.0	0
Explanation:	Added unit measure and count information.					
2023	-2,135	-25,378	0	-27,513	-17.9	0
Explanation:	Phase 2A Replacement project costs were improperly mapped to the Phase 2A Capital Component of Hydrotests projects workpaper. This adjustment will transfer the Phase 2A Replacement project costs to their appropriate workpaper 00512.000.					
2023 Total	-2,135	-25,378	0	-27,513	-17.9	0
2024	0	0	0	0	0.0	0
Explanation:	Added unit measure and count information.					
2024	-2,179	-20,582	0	-22,762	-16.7	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Unit Measure: Feet

Year	Labor	NLbr	NSE	Total	FTE	Units
Explanation:	Phase 2A Replacement project costs were improperly mapped to the Phase 2A Capital Component of Hydrotests projects workpaper. This adjustment will transfer the Phase 2A Replacement project costs to their appropriate workpaper 00512.000.					
2024 Total	-2,179	-20,582	0	-22,762	-16.7	0
2025	-499	-2,471	0	-2,970	-4.2	0
Explanation:	Phase 2A Replacement project costs were improperly mapped to the Phase 2A Capital Component of Hydrotests projects workpaper. This adjustment will transfer the Phase 2A Replacement project costs to their appropriate workpaper 00512.000.					
2025	0	0	0	0	0.0	0
Explanation:	To reflect proper unit of measure as feet.					
2025 Total	-499	-2,471	0	-2,970	-4.2	0

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group 005630

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Workpaper Detail: 005630.001 - PSEP Phase 2A Capital Component of Hydrotests
Unit Measure: Feet

In-Service Date: Not Applicable

Description:

Workpaper detail reflects the capital costs associated with a portfolio of PSEP Phase 2 Replacement Projects to be executed. See supplemental workpapers for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	891	964	425	134	79	53
Non-Labor	5,284	12,758	2,733	1,148	1,684	579
NSE	0	0	0	0	0	0
Total	**6,175**	**13,722**	**3,158**	**1,282**	**1,763**	**632**
FTE	5.8	6.3	2.8	0.9	0.6	0.4
Units	360	791	244	15	60	15

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Workpaper Detail: 005630.002 - PSEP-L235E-P2-01 Test
Unit Measure: Feet

In-Service Date: 10/31/2028

Description:

Workpaper detail reflects the capital costs associated with the PSEP Line 235E-01 Phase 2A Hydrotest Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	538	221	37	0
Non-Labor	0	0	16,423	314	2	0
NSE	0	0	0	0	0	0
Total	**0**	**0**	**16,961**	**535**	**39**	**0**
FTE	0.0	0.0	3.5	1.4	0.2	0.0
Units	0	0	100	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Workpaper Detail: 005630.003 - PSEP-L235E-P2-02 Test
Unit Measure: Feet

In-Service Date: 10/31/2029

Description:

Workpaper detail reflects the capital costs associated with the PSEP Line 235E-02 Phase 2A Hydrotest Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	0	506	183	0
Non-Labor	0	0	0	17,583	51	0
NSE	0	0	0	0	0	0
Total	**0**	**0**	**0**	**18,089**	**234**	**0**
FTE	0.0	0.0	0.0	3.3	1.2	0.0
Units	0	0	0	275	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Workpaper Detail: 005630.004 - PSEP-L4000-P2A-LUCERNE VLY TO ORD MTN
Unit Measure: Feet

In-Service Date: 08/31/2030

Description:

Workpaper detail reflects the capital costs associated with the PSEP Line 4000 Phase 2A Hydrotest Project from Lucerne Valley to Ord Mountain.
See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	125	125	1,237	0
Non-Labor	0	0	144	144	16,007	0
NSE	0	0	0	0	0	0
Total	**0**	**0**	**269**	**269**	**17,244**	**0**
FTE	0.0	0.0	0.8	0.8	8.1	0.0
Units	0	0	0	0	2,166	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Workpaper Detail: 005630.005 - PSEP-L4000-P2A-ORD MTN TO NEWBERRY STN
Unit Measure: Feet

In-Service Date: 08/31/2030

Description:

Workpaper detail reflects the capital costs associated with the PSEP Line 4000 Phase 2A Hydrotest Project from Ord Mountain to Newberry Station. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	54	54	539	0
Non-Labor	0	0	92	92	10,180	0
NSE	0	0	0	0	0	0
Total	**0**	**0**	**146**	**146**	**10,719**	**0**
FTE	0.0	0.0	0.4	0.4	3.5	0.0
Units	0	0	0	0	1,188	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Workpaper Detail: 005630.006 - PSEP-L4000-P2A-APPLE VLY TO LUCERNE VLY
Unit Measure: Feet

In-Service Date: 06/30/2027

Description:

Workpaper detail reflects the capital costs associated with the PSEP Line 4000 Phase 2A Hydrotest Project from Apple Valley to Lucerne Valley.
See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	138	265	45	0	0	0
Non-Labor	54	6,580	226	0	0	0
NSE	0	0	0	0	0	0
Total	**192**	**6,845**	**271**	**0**	**0**	**0**
FTE	0.9	1.7	0.3	0.0	0.0	0.0
Units	0	512	0	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Workpaper Detail: 005630.007 - PSEP-L3000E-P2A-ESSEX TO KELBAKER
Unit Measure: Feet

In-Service Date: 08/31/2031

Description:

Workpaper detail reflects the capital costs associated with the PSEP Line 3000 Phase 2A Hydrotest Project from Essex to Kelbaker. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	0	0	0	796
Non-Labor	1	0	0	0	0	10,075
NSE	0	0	0	0	0	0
Total	**1**	**0**	**0**	**0**	**0**	**10,871**
FTE	0.0	0.0	0.0	0.0	0.0	5.2
Units	0	0	0	0	0	1,095

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Workpaper Detail: 005630.008 - PSEP-L3000E-P2A-KELBAKER TO LUDLOW
Unit Measure: Feet

In-Service Date: 07/31/2026

Description:

Workpaper detail reflects the capital costs associated with the PSEP Line 3000 Phase 2A Hydrotest Project from Kelbaker to Ludlow. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	666	59	0	0	0	0
Non-Labor	13,111	46	0	0	0	0
NSE	0	0	0	0	0	0
Total	**13,777**	**105**	**0**	**0**	**0**	**0**
FTE	4.3	0.4	0.0	0.0	0.0	0.0
Units	742	0	0	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00563.0
Category: A. Pipeline Safety Enhancement Plan
Category-Sub: 1. Pipeline Safety Enhancement Plan
Workpaper Group: 005630 - PSEP Phase 2A Capital Component of Hydrotests
Workpaper Detail: 005630.009 - PSEP-L3000E-P2A-NEEDLES TO ESSEX
Unit Measure: Feet

In-Service Date: 08/31/2031

Description:

Workpaper detail reflects the capital costs associated with the PSEP Line 3000 Phase 2A Hydrotest Project from Neeldes to Essex. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume I).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	0	0	0	617
Non-Labor	0	0	0	0	0	9,817
NSE	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**10,434**
FTE	0.0	0.0	0.0	0.0	0.0	4.0
Units	0	0	0	0	0	1,068

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Category: B. Gas Safety Enhancement Programs Execution
Workpaper: VARIOUS

Summary for Category: B. Gas Safety Enhancement Programs Execution

In 2025$ (000) Incurred Costs

	Adjusted-Recorded	Adjusted-Forecast					
	2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	8,031	7,286	10,408	11,320	12,245	13,924	11,798
Non-Labor	70,657	93,880	116,700	123,610	110,580	111,704	114,198
NSE	0	0	0	0	0	0	0
Total	**78,688**	**101,166**	**127,108**	**134,930**	**122,825**	**125,628**	**125,996**
FTE	61.1	47.1	73.6	79.9	85.9	97.0	82.9

Workpapers belonging to this Category:

003670 GTSR Part 1 Replacements and Hydrotests							
Labor	3,032	5,441	5,762	6,692	7,616	9,301	7,163
Non-Labor	13,161	63,605	70,616	77,526	64,496	65,620	68,114
NSE	0	0	0	0	0	0	0
Total	**16,193**	**69,046**	**76,378**	**84,218**	**72,112**	**74,921**	**75,277**
FTE	23.1	35.3	37.5	43.8	49.8	60.9	46.8
Unit Measure: Miles of Pipe							
Units	20	40	30	15	16	16	13
003690 Valve Rule							
Labor	4,999	1,845	4,646	4,628	4,629	4,623	4,635
Non-Labor	57,496	30,275	46,084	46,084	46,084	46,084	46,084
NSE	0	0	0	0	0	0	0
Total	**62,495**	**32,120**	**50,730**	**50,712**	**50,713**	**50,707**	**50,719**
FTE	38.0	11.8	36.1	36.1	36.1	36.1	36.1
Unit Measure: Valves							
Units	8	6	13	13	13	13	13

Note: Totals may include rounding differences.

Beginning of Workpaper Group
003670 - GTSR Part 1 Replacements and Hydrotests

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Unit Measure: Miles of Pipe

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	Zero-Based	0	520	1,311	1,980	3,032	5,441	5,762	6,692	7,616	9,301	7,163
Non-Labor	Zero-Based	0	1,992	11,956	27,596	13,161	63,605	70,616	77,526	64,496	65,620	68,114
NSE	Zero-Based	0	0	0	0	0	0	0	0	0	0	0
Total		**0**	**2,512**	**13,266**	**29,577**	**16,194**	**69,046**	**76,378**	**84,218**	**72,112**	**74,921**	**75,277**
FTE	Zero-Based	0.0	4.6	11.6	15.7	23.1	35.3	37.5	43.8	49.8	60.9	46.8
Units	Zero-Based	0	0	1	5	20	40	30	15	16	16	13

Business Purpose:

Pursuant to 49 CFR section 192.624, which was initially published in October 2019 as part of PHMSA's Pipeline Safety: Safety of Gas Transmission Pipelines: MAOP Reconfirmation, Expansion of Assessment Requirements, and Other Related Amendments Final Rule (GTSR Part 1), SoCalGas is required to reconfirm, by July 2035, the Maximum Allowable Operating Pressure (MAOP) of transmission lines that meet the applicability requirements of 49 CFR section 192.624(a).

Physical Description:

These costs reflect GTSR Part 1 replacement and hydrostatic pressure testing projects scheduled to be placed in service during the forecast period. Detailed information at a project level is contained in the supplemental workpapers (Ex. SCG-06-WP-S, Volume II).

Project Justification:

SoCalGas is implementing this program in order to reconfirm MAOP in accordance with 49 CFR § 192.624.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00367.0
Category:	B. Gas Safety Enhancement Programs Execution
Category-Sub:	1. Gas Transmission Safety Rule
Workpaper Group:	003670 - GTSR Part 1 Replacements and Hydrotests
Unit Measure:	Miles of Pipe

Forecast Methodology:

Labor - Zero-Based

Labor costs are based off of project-specific estimates developed by SoCalGas following the Association for the Advancement of Cost Engineering (AACE) estimating standards per industry practices. This method is most appropriate because each GTSR project is unique in scope, size, and complexity.

Non-Labor - Zero-Based

Non-labor costs are based off of project-specific estimates developed by SoCalGas following the Association for the Advancement of Cost Engineering (AACE) estimating standards per industry practices. This method is most appropriate because each GTSR project is unique in scope, size, and complexity.

NSE - Zero-Based

Not Applicable

Units - Zero-Based

Miles

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group 003670 - GTSR Part 1 Replacements and Hydrotests
Unit Measure: Miles of Pipe

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	5,253	5,593	6,522	7,421	9,074	6,970	188	169	170	195	227	193	5,441	5,762	6,692	7,616	9,301	7,163
NLbr	63,605	70,616	77,526	64,496	65,620	68,114	0	0	0	0	0	0	63,605	70,616	77,526	64,496	65,620	68,114
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**68,858**	**76,209**	**84,048**	**71,917**	**74,694**	**75,084**	**188**	**169**	**170**	**195**	**227**	**193**	**69,046**	**76,378**	**84,218**	**72,112**	**74,921**	**75,277**
FTE	35.3	37.5	43.8	49.8	60.9	46.8	0.0	0.0	0.0	0.0	0.0	0.0	35.3	37.5	43.8	49.8	60.9	46.8
Units	40	30	15	16	16	13	0	0	0	0	0	0	40	30	15	16	16	13

Forecast Adjustment Details:

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2026	188	0	0	188	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2026 Total	**188**	**0**	**0**	**188**	**0.0**	**0**
2027	169	0	0	169	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2027 Total	**169**	**0**	**0**	**169**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group 003670 - GTSR Part 1 Replacements and Hydrotests
Unit Measure: Miles of Pipe

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2028	170	0	0	170	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2028 Total	**170**	**0**	**0**	**170**	**0.0**	**0**
2029	195	0	0	195	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2029 Total	**195**	**0**	**0**	**195**	**0.0**	**0**
2030	227	0	0	227	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	**227**	**0**	**0**	**227**	**0.0**	**0**
2031	193	0	0	193	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	**193**	**0**	**0**	**193**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Unit Measure: Miles of Pipe

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	0	364	1,071	1,634	2,577
Non-Labor	0	1,630	11,319	26,435	13,161
NSE	0	0	0	0	0
Total	**0**	**1,994**	**12,389**	**28,069**	**15,739**
FTE	0.0	3.9	9.9	13.4	19.4
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	1	5	20
Recorded-Adjusted (Nominal $)					
Labor	0	364	1,071	1,634	2,577
Non-Labor	0	1,630	11,319	26,435	13,161
NSE	0	0	0	0	0
Total	**0**	**1,994**	**12,389**	**28,069**	**15,739**
FTE	0.0	3.9	9.9	13.4	19.4
Units	0	0	1	5	20
Vacation & Sick (Nominal $)					
Labor	0	61	170	262	455

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Unit Measure: Miles of Pipe

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**61**	**170**	**262**	**455**
FTE	0.0	0.7	1.7	2.3	3.7
Units	0	0	0	0	0
Escalation to 2025$					
Labor	0	94	70	83	0
Non-Labor	0	362	637	1,162	0
NSE	0	0	0	0	0
Total	**0**	**456**	**707**	**1,245**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	0	520	1,311	1,980	3,032
Non-Labor	0	1,992	11,956	27,596	13,161
NSE	0	0	0	0	0
Total	**0**	**2,512**	**13,266**	**29,577**	**16,194**
FTE	0.0	4.6	11.6	15.7	23.1
Units	0	0	1	5	20

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Unit Measure: Miles of Pipe

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	1	5	20

Detail of Adjustments to Recorded in Nominal $:

Year	Labor	NLbr	NSE	Total	FTE	Units
2021	0	0	0	0	0.0	0
Explanation:	Added unit measure and count information.					
2021 Total	0	0	0	0	0.0	0
2022	0	0	0	0	0.0	0
Explanation:	Added unit measure and count information.					
2022 Total	0	0	0	0	0.0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Unit Measure: Miles of Pipe

Year	Labor	NLbr	NSE	Total	FTE	Units
2023	0	0	0	0	0.0	1
Explanation:	Added unit measure and count information.					
2023 Total	0	0	0	0	0.0	1
2024	0	0	0	0	0.0	5
Explanation:	Added unit measure and count information.					
2024 Total	0	0	0	0	0.0	5
2025	0	0	0	0	0.0	20
Explanation:	Adjustment created to include unit measure.					
2025 Total	0	0	0	0	0.0	20

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group 003670

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Workpaper Detail: 003670.001 - GTSR Part 1 Replacements and Hydrotests
Unit Measure: Miles of Pipe

In-Service Date: Not Applicable

Description:

Workpaper detail reflects a portfolio of GTSR Part 1 Replacements and Hydrotests Projects to be executed. See supplemental workpapers for project specific information (Ex. SCG-06-WP-S, Volume II).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	4,943	3,662	1,435	5,370	7,033	4,529
Non-Labor	62,429	31,932	12,797	31,413	41,701	34,270
NSE	0	0	0	0	0	0
Total	**67,372**	**35,594**	**14,232**	**36,783**	**48,734**	**38,799**
FTE	32.1	23.6	13.7	35.1	45.9	29.6
Units	40	18	3	5	5	1

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Workpaper Detail: 003670.002 - GTSR-L1018-TEST-SANTA ANA
Unit Measure: Miles of Pipe

In-Service Date: 09/30/2027

Description:

Workpaper detail reflects costs associated with the GTSR Line 1018 Santa Ana Hydrotest Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume II).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	364	1,008	0	0	0	0
Non-Labor	278	16,640	0	0	0	0
NSE	0	0	0	0	0	0
Total	**642**	**17,648**	**0**	**0**	**0**	**0**
FTE	2.4	6.6	0.0	0.0	0.0	0.0
Units	0	12	0	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Workpaper Detail: 003670.003 - GTSR-L407-TEST
Unit Measure: Miles of Pipe

In-Service Date: 02/29/2028

Description:

Workpaper detail reflects costs associated with the GTSR Line 407 Hydrotest Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume II).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	49	1,025	261	0	0	0
Non-Labor	484	10,203	2,603	0	0	0
NSE	0	0	0	0	0	0
Total	**533**	**11,228**	**2,864**	**0**	**0**	**0**
FTE	0.3	6.7	1.7	0.0	0.0	0.0
Units	0	0	5	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Workpaper Detail: 003670.004 - GTSR-L2000-MORENO VALLEY-TEST
Unit Measure: Miles of Pipe

In-Service Date: 08/31/2028

Description:

Workpaper detail reflects costs associated with the GTSR Line 2000 Moreno Valley Hydrotest Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume II).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	37	12	1,178	0	0	0
Non-Labor	110	65	6,961	0	0	0
NSE	0	0	0	0	0	0
Total	**147**	**77**	**8,139**	**0**	**0**	**0**
FTE	0.2	0.1	7.7	0.0	0.0	0.0
Units	0	0	1	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Workpaper Detail: 003670.005 - GTSR-L404-TEST
Unit Measure: Miles of Pipe

In-Service Date: 11/30/2029

Description:

Workpaper detail reflects costs associated with the GTSR Line 404 Hydrotest Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume II).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	4	944	818	0	0
Non-Labor	0	83	19,832	17,172	0	0
NSE	0	0	0	0	0	0
Total	**0**	**87**	**20,776**	**17,990**	**0**	**0**
FTE	0.0	0.1	6.2	5.4	0.0	0.0
Units	0	0	0	11	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Workpaper Detail: 003670.006 - GTSR-L406-TEST
Unit Measure: Miles of Pipe

In-Service Date: 01/31/2030

Description:

Workpaper detail reflects costs associated with the GTSR Line 406 Hydrotest Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume II).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	4	99	1,282	284	0
Non-Labor	0	47	1,100	14,316	3,177	0
NSE	0	0	0	0	0	0
Total	**0**	**51**	**1,199**	**15,598**	**3,461**	**0**
FTE	0.0	0.1	0.6	8.4	1.9	0.0
Units	0	0	0	0	8	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Workpaper Detail: 003670.007 - GTSR-L3000-WEST-TEST
Unit Measure: Miles of Pipe

In-Service Date: 02/28/2031

Description:

Workpaper detail reflects costs associated with the GTSR Line 3000 West Hydrotest Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume II).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	0	14	306	1,256
Non-Labor	0	0	0	153	2,827	11,550
NSE	0	0	0	0	0	0
Total	**0**	**0**	**0**	**167**	**3,133**	**12,806**
FTE	0.0	0.0	0.0	0.1	2.0	8.2
Units	0	0	0	0	0	3

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Workpaper Detail: 003670.008 - GTSR-L235-WEST-TEST
Unit Measure: Miles of Pipe

In-Service Date: 06/30/2031

Description:

Workpaper detail reflects costs associated with the GTSR Line 235 West Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume II).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	0	19	375	1,378
Non-Labor	0	0	0	396	5,786	22,294
NSE	0	0	0	0	0	0
Total	**0**	**0**	**0**	**415**	**6,161**	**23,672**
FTE	0.0	0.0	0.0	0.1	2.5	9.0
Units	0	0	0	0	0	9

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Workpaper Detail: 003670.009 - GTSR-L1017-TEST
Unit Measure: Miles of Pipe

In-Service Date: 03/31/2028

Description:

Workpaper detail reflects costs associated with the GTSR Line 1017 Hydrotest Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume II).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	48	47	2,772	0	0	0
Non-Labor	304	11,646	34,200	0	0	0
NSE	0	0	0	0	0	0
Total	**352**	**11,693**	**36,972**	**0**	**0**	**0**
FTE	0.3	0.3	13.8	0.0	0.0	0.0
Units	0	0	6	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00367.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003670 - GTSR Part 1 Replacements and Hydrotests
Workpaper Detail: 003670.010 - GTSR-L1004-TEST
Unit Measure: Miles of Pipe

In-Service Date: 12/31/2030

Description:

Workpaper detail reflects costs associated with the GTSR Line 1004 Hydrotest Project. See supplemental workpaper for project specific information (Ex. SCG-06-WP-S, Volume II).

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	3	113	1,303	0
Non-Labor	0	0	33	1,046	12,129	0
NSE	0	0	0	0	0	0
Total	**0**	**0**	**36**	**1,159**	**13,432**	**0**
FTE	0.0	0.0	0.1	0.7	8.6	0.0
Units	0	0	0	0	3	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group
003690 - Valve Rule

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00369.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003690 - Valve Rule
Unit Measure: Valves

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	3-YR Average	6,971	8,123	5,002	3,531	4,999	1,845	4,646	4,628	4,629	4,623	4,635
Non-Labor	3-YR Average	53,676	67,156	51,348	29,408	57,496	30,275	46,084	46,084	46,084	46,084	46,084
NSE	3-YR Average	0	0	0	0	0	0	0	0	0	0	0
Total		**60,646**	**75,278**	**56,349**	**32,939**	**62,494**	**32,120**	**50,730**	**50,712**	**50,713**	**50,707**	**50,719**
FTE	3-YR Average	47.9	60.2	42.0	28.3	38.0	11.8	36.1	36.1	36.1	36.1	36.1
Units	3-YR Average	24	14	15	16	8	6	13	13	13	13	13

Business Purpose:

Compliance with PHMSA amended 49 CFR Parts 192 and 195 through the publication of the Pipeline Safety: Requirement of Valve Installation and Minimum Rupture Detection Standards Final Rule (Valve Rule).

Physical Description:

These costs support execution of Valve Rule compliance projects, which include the installation of rupture mitigation valves (RMVs) on newly constructed or entirely replaced natural gas transmission pipeline segments with nominal diameters of six inches or greater. The work involves evaluating pipeline segment characteristics, installing remotely or automatically operable valves to enable rapid isolation in the event of a rupture, and integrating the valves into existing control and monitoring systems. In addition, annual systemwide risk analyses are performed to identify segments where RMV installation is warranted based on evolving risk factors, operating conditions, and regulatory requirements, thereby enhancing public safety and reducing potential consequences of pipeline failures.

Project Justification:

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00369.0
Category:	B. Gas Safety Enhancement Programs Execution
Category-Sub:	1. Gas Transmission Safety Rule
Workpaper Group:	003690 - Valve Rule
Unit Measure:	Valves

The valve enhancements are compliance driven and mitigate the risk of pipeline ruptures and enable a faster response time should a failure occur due to natural forces (e.g., natural disasters, fires, earthquakes, landslides), third-party damage, vandalism, or other causes.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00369.0
Category:	B. Gas Safety Enhancement Programs Execution
Category-Sub:	1. Gas Transmission Safety Rule
Workpaper Group:	003690 - Valve Rule
Unit Measure:	Valves

Forecast Methodology:

Labor - 3-YR Average

The forecast method selected for this workpaper is a three-year recorded average, reflecting a mature history of valve installation work performed under the PSEP Valve Enhancement Program. This approach provides a reasonable and supportable baseline by capturing consistent labor activities associated with project execution, including project management, engineering support, construction oversight, installation, commissioning, and close-out. Use of a multi-year average also smooths year-to-year variability associated with permitting timelines, traffic control requirements, and project bundling implemented to achieve cost efficiencies.

Non-Labor - 3-YR Average

The forecast method selected for this workpaper is a three-year recorded average, reflecting a mature history of comparable valve installation projects completed under the PSEP Valve Enhancement Program. This approach provides a reasonable and supportable baseline by capturing consistent project scope and execution activities, including engineering, permitting, construction, commissioning, and close-out. Use of a multi-year average also smooths year-to-year variability associated with permitting timelines, traffic control requirements, and project bundling implemented to achieve cost efficiencies.

NSE - 3-YR Average

Not Applicable

Units - 3-YR Average

Valve

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00369.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group 003690 - Valve Rule
Unit Measure: Valves

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	4,511	4,511	4,511	4,511	4,511	4,511	-2,666	135	117	118	112	124	1,845	4,646	4,628	4,629	4,623	4,635
NLbr	46,084	46,084	46,084	46,084	46,084	46,084	-15,809	0	0	0	0	0	30,275	46,084	46,084	46,084	46,084	46,084
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**50,595**	**50,595**	**50,595**	**50,595**	**50,595**	**50,595**	**-18,475**	**135**	**117**	**118**	**112**	**124**	**32,120**	**50,730**	**50,712**	**50,713**	**50,707**	**50,719**
FTE	36.1	36.1	36.1	36.1	36.1	36.1	-24.3	0.0	0.0	0.0	0.0	0.0	11.8	36.1	36.1	36.1	36.1	36.1
Units	13	13	13	13	13	13	-7	0	0	0	0	0	6	13	13	13	13	13

Forecast Adjustment Details:

Year	Labor (3-YR Average)	NLbr (3-YR Average)	NSE (3-YR Average)	Total	FTE	Units (3-YR Average)
2026	-2,729	-15,809	0	-18,538	-24.3	-7

Explanation: An adjustment has been included to reflect the current 2026 forecast for the Valve Rule Program. Because 2026 represents an early implementation year, projected costs are lower than in future years when full program activity is expected.

2026	63	0	0	63	0.0	0

Explanation: Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.

2026 Total	**-2,666**	**-15,809**	**0**	**-18,475**	**-24.3**	**-7**
2027	135	0	0	135	0.0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00369.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group 003690 - Valve Rule
Unit Measure: Valves

Year	Labor (3-YR Average)	NLbr (3-YR Average)	NSE (3-YR Average)	Total	FTE	Units (3-YR Average)
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2027 Total	**135**	**0**	**0**	**135**	**0.0**	**0**
2028	117	0	0	117	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2028 Total	**117**	**0**	**0**	**117**	**0.0**	**0**
2029	118	0	0	118	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2029 Total	**118**	**0**	**0**	**118**	**0.0**	**0**
2030	112	0	0	112	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	**112**	**0**	**0**	**112**	**0.0**	**0**
2031	124	0	0	124	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	**124**	**0**	**0**	**124**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00369.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003690 - Valve Rule
Unit Measure: Valves

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	4,171	5,688	4,086	2,915	4,248
Non-Labor	37,782	54,960	48,611	28,170	57,496
NSE	0	0	0	0	0
Total	**41,953**	**60,648**	**52,697**	**31,085**	**61,744**
FTE	40.3	50.9	35.9	24.1	31.9
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	24	14	15	16	8
Recorded-Adjusted (Nominal $)					
Labor	4,171	5,688	4,086	2,915	4,248
Non-Labor	37,782	54,960	48,611	28,170	57,496
NSE	0	0	0	0	0
Total	**41,953**	**60,648**	**52,697**	**31,085**	**61,744**
FTE	40.3	50.9	35.9	24.1	31.9
Units	24	14	15	16	8
Vacation & Sick (Nominal $)					
Labor	736	960	649	468	751

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00369.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003690 - Valve Rule
Unit Measure: Valves

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**736**	**960**	**649**	**468**	**751**
FTE	7.6	9.3	6.1	4.2	6.1
Units	0	0	0	0	0
Escalation to 2025$					
Labor	2,064	1,475	267	149	0
Non-Labor	15,893	12,195	2,737	1,238	0
NSE	0	0	0	0	0
Total	**17,957**	**13,671**	**3,003**	**1,387**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	6,971	8,123	5,002	3,531	4,999
Non-Labor	53,676	67,156	51,348	29,408	57,496
NSE	0	0	0	0	0
Total	**60,646**	**75,278**	**56,349**	**32,939**	**62,494**
FTE	47.9	60.2	42.0	28.3	38.0
Units	24	14	15	16	8

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00369.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003690 - Valve Rule
Unit Measure: Valves

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	24	14	15	16	8

Detail of Adjustments to Recorded in Nominal $:

Year	Labor	NLbr	NSE	Total	FTE	Units
2021	0	0	0	0	0.0	24
Explanation:	Added unit measure and count information.					
2021 Total	0	0	0	0	0.0	24
2022	0	0	0	0	0.0	14
Explanation:	Added unit measure and count information.					
2022 Total	0	0	0	0	0.0	14

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00369.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003690 - Valve Rule
Unit Measure: Valves

Year	Labor	NLbr	NSE	Total	FTE	Units
2023	0	0	0	0	0.0	15
Explanation:	Added unit measure and count information.					
2023 Total	0	0	0	0	0.0	15
2024	0	0	0	0	0.0	16
Explanation:	Added unit measure and count information.					
2024 Total	0	0	0	0	0.0	16
2025	0	0	0	0	0.0	8
Explanation:	Adjustment created to include unit measure.					
2025 Total	0	0	0	0	0.0	8

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group 003690

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00369.0
Category: B. Gas Safety Enhancement Programs Execution
Category-Sub: 1. Gas Transmission Safety Rule
Workpaper Group: 003690 - Valve Rule
Workpaper Detail: 003690.001 - Valve Rule
Unit Measure: Valves

In-Service Date: Not Applicable

Description:

Activities include installation of remotely or automatically operable valves to enable rapid isolation in the event of a rupture, and integrating the valves into existing control and monitoring systems.

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	1,845	4,646	4,628	4,629	4,623	4,635
Non-Labor	30,275	46,084	46,084	46,084	46,084	46,084
NSE	0	0	0	0	0	0
Total	**32,120**	**50,730**	**50,712**	**50,713**	**50,707**	**50,719**
FTE	11.8	36.1	36.1	36.1	36.1	36.1
Units	6	13	13	13	13	13

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Category: C. TIMP Execution
Workpaper: VARIOUS

Summary for Category: C. TIMP Execution

In 2025$ (000) Incurred Costs

	Adjusted-Recorded	Adjusted-Forecast					
	2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	10,763	9,119	9,070	9,034	9,035	9,024	9,047
Non-Labor	142,544	127,214	127,214	127,214	127,214	127,214	127,214
NSE	0	0	0	0	0	0	0
Total	**153,307**	**136,333**	**136,284**	**136,248**	**136,249**	**136,238**	**136,261**
FTE	79.6	64.0	64.0	64.0	64.0	64.0	64.0
Workpapers belonging to this Category:							
002760 TIMP Distribution Execution							
Labor	1,253	1,212	1,205	1,201	1,201	1,199	1,202
Non-Labor	18,176	20,041	20,041	20,041	20,041	20,041	20,041
NSE	0	0	0	0	0	0	0
Total	**19,429**	**21,253**	**21,246**	**21,242**	**21,242**	**21,240**	**21,243**
FTE	9.0	8.7	8.7	8.7	8.7	8.7	8.7
Unit Measure: No feasible units							
Units	0	0	0	0	0	0	0
P03120 TIMP Transmission Execution							
Labor	9,510	7,907	7,865	7,833	7,834	7,825	7,845
Non-Labor	124,368	107,173	107,173	107,173	107,173	107,173	107,173
NSE	0	0	0	0	0	0	0
Total	**133,878**	**115,080**	**115,038**	**115,006**	**115,007**	**114,998**	**115,018**
FTE	70.6	55.3	55.3	55.3	55.3	55.3	55.3
Unit Measure: No feasible units							
Units	0	0	0	0	0	0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group
002760 - TIMP Distribution Execution

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00276.0
Category: C. TIMP Execution
Category-Sub: 1. TIMP Execution
Workpaper Group: 002760 - TIMP Distribution Execution
Unit Measure: No feasible units

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	3-YR Average	358	1,087	916	1,343	1,253	1,212	1,205	1,201	1,201	1,199	1,202
Non-Labor	3-YR Average	4,858	17,380	18,469	23,477	18,176	20,041	20,041	20,041	20,041	20,041	20,041
NSE	3-YR Average	0	0	0	0	0	0	0	0	0	0	0
Total		**5,215**	**18,467**	**19,384**	**24,820**	**19,429**	**21,253**	**21,246**	**21,242**	**21,242**	**21,240**	**21,243**
FTE	3-YR Average	2.1	7.6	7.2	10.0	9.0	8.7	8.7	8.7	8.7	8.7	8.7
Units	3-YR Average	0	0	0	0	0	0	0	0	0	0	0

Business Purpose:

The TIMP is a federally-mandated program developed and implemented in compliance with 49 CFR Part 192, Subpart O and other related sections such as 49 CFR § 192.710.

Physical Description:

Remediation or replacement/installation of transmission pipeline assets managed by the Distribution organization as a result of TIMP assessments or other activities driven by 49 CFR Part 192, Subpart O and related sections such as 49 CFR § 192.710.

Project Justification:

Remediation activities are executed in compliance with 49 CFR Part 192, Subpart O and related sections such as 49 CFR § 192.714, and are necessary to maintain the integrity of the SoCalGas transmission system.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00276.0
Category:	C. TIMP Execution
Category-Sub:	1. TIMP Execution
Workpaper Group:	002760 - TIMP Distribution Execution
Unit Measure:	No feasible units

Forecast Methodology:

Labor - 3-YR Average

The forecast method selected for this workpaper is 3-year average. While capital activity is driven by assessment activities, there is variability from project to project. The 3-year average method is most appropriate because 2023-2025 most closely represents the activity levels and current cost drivers for TIMP after new gas safety regulations such as GTSR Part 1 and Part 2 took effect.

Non-Labor - 3-YR Average

The forecast method selected for this workpaper is 3-year average. While capital activity is driven by assessment activities, there is variability from project to project. The 3-year average method is most appropriate because 2023-2025 most closely represents the activity levels and current cost drivers for TIMP after new gas safety regulations such as GTSR Part 1 and Part 2 took effect.

NSE - 3-YR Average

Not Applicable

Units - 3-YR Average

Capital remediation is a result of TIMP assessment activity (O&M) and is therefore not unitized.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00276.0
Category: C. TIMP Execution
Category-Sub: 1. TIMP Execution
Workpaper Group 002760 - TIMP Distribution Execution
Unit Measure: No feasible units

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	1,170	1,170	1,170	1,170	1,170	1,170	42	35	31	31	29	32	1,212	1,205	1,201	1,201	1,199	1,202
NLbr	20,041	20,041	20,041	20,041	20,041	20,041	0	0	0	0	0	0	20,041	20,041	20,041	20,041	20,041	20,041
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**21,211**	**21,211**	**21,211**	**21,211**	**21,211**	**21,211**	**42**	**35**	**31**	**31**	**29**	**32**	**21,253**	**21,246**	**21,242**	**21,242**	**21,240**	**21,243**
FTE	8.7	8.7	8.7	8.7	8.7	8.7	0.0	0.0	0.0	0.0	0.0	0.0	8.7	8.7	8.7	8.7	8.7	8.7
Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Forecast Adjustment Details:

Year	Labor (3-YR Average)	NLbr (3-YR Average)	NSE (3-YR Average)	Total	FTE	Units (3-YR Average)
2026	42	0	0	42	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2026 Total	**42**	**0**	**0**	**42**	**0.0**	**0**
2027	35	0	0	35	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2027 Total	**35**	**0**	**0**	**35**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00276.0
Category: C. TIMP Execution
Category-Sub: 1. TIMP Execution
Workpaper Group 002760 - TIMP Distribution Execution
Unit Measure: No feasible units

Year	Labor (3-YR Average)	NLbr (3-YR Average)	NSE (3-YR Average)	Total	FTE	Units (3-YR Average)
2028	31	0	0	31	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2028 Total	**31**	**0**	**0**	**31**	**0.0**	**0**
2029	31	0	0	31	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2029 Total	**31**	**0**	**0**	**31**	**0.0**	**0**
2030	29	0	0	29	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	**29**	**0**	**0**	**29**	**0.0**	**0**
2031	32	0	0	32	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	**32**	**0**	**0**	**32**	**0.0**	**0**

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00276.0
Category:	C. TIMP Execution
Category-Sub:	1. TIMP Execution
Workpaper Group:	002760 - TIMP Distribution Execution
Unit Measure:	No feasible units

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	214	761	748	1,109	1,065
Non-Labor	3,419	14,224	17,484	22,488	18,176
NSE	0	0	0	0	0
Total	**3,633**	**14,985**	**18,232**	**23,597**	**19,241**
FTE	1.8	6.4	6.2	8.5	7.6
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Nominal $)					
Labor	214	761	748	1,109	1,065
Non-Labor	3,419	14,224	17,484	22,488	18,176
NSE	0	0	0	0	0
Total	**3,633**	**14,985**	**18,232**	**23,597**	**19,241**
FTE	1.8	6.4	6.2	8.5	7.6
Units	0	0	0	0	0
Vacation & Sick (Nominal $)					
Labor	38	128	119	178	188

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00276.0
Category:	C. TIMP Execution
Category-Sub:	1. TIMP Execution
Workpaper Group:	002760 - TIMP Distribution Execution
Unit Measure:	No feasible units

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**38**	**128**	**119**	**178**	**188**
FTE	0.3	1.2	1.0	1.5	1.4
Units	0	0	0	0	0
Escalation to 2025$					
Labor	106	197	49	57	0
Non-Labor	1,438	3,156	984	988	0
NSE	0	0	0	0	0
Total	**1,544**	**3,354**	**1,033**	**1,045**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	358	1,087	916	1,343	1,253
Non-Labor	4,858	17,380	18,469	23,477	18,176
NSE	0	0	0	0	0
Total	**5,215**	**18,467**	**19,384**	**24,820**	**19,429**
FTE	2.1	7.6	7.2	10.0	9.0
Units	0	0	0	0	0

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00276.0
Category: C. TIMP Execution
Category-Sub: 1. TIMP Execution
Workpaper Group: 002760 - TIMP Distribution Execution
Unit Measure: No feasible units

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0

Year	Labor	NLbr	NSE	Total	FTE	Units

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group 002760

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00276.0
Category: C. TIMP Execution
Category-Sub: 1. TIMP Execution
Workpaper Group: 002760 - TIMP Distribution Execution
Workpaper Detail: 002760.001 - TIMP Distrubution Execution
Unit Measure: No feasible units

In-Service Date: Not Applicable

Description:

Remediation replacement retrofits and installation of transmission pipeline assets managed by the Distribution organization as a result of TIMP assessments or other activities driven by 49 CFR Part 192, Subpart O and related sections such as 49 CFR § 192.710.

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	1,212	1,205	1,201	1,201	1,199	1,202
Non-Labor	20,041	20,041	20,041	20,041	20,041	20,041
NSE	0	0	0	0	0	0
Total	**21,253**	**21,246**	**21,242**	**21,242**	**21,240**	**21,243**
FTE	8.7	8.7	8.7	8.7	8.7	8.7
Units	0	0	0	0	0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group
P03120 - TIMP Transmission Execution

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: P0312.0
Category: C. TIMP Execution
Category-Sub: 1. TIMP Execution
Workpaper Group: P03120 - TIMP Transmission Execution
Unit Measure: No feasible units

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	3-YR Average	7,683	6,486	6,519	6,874	9,510	7,907	7,865	7,833	7,834	7,825	7,845
Non-Labor	3-YR Average	140,436	77,655	104,005	93,145	124,368	107,173	107,173	107,173	107,173	107,173	107,173
NSE	3-YR Average	0	0	0	0	0	0	0	0	0	0	0
Total		**148,118**	**84,141**	**110,525**	**100,019**	**133,878**	**115,080**	**115,038**	**115,006**	**115,007**	**114,998**	**115,018**
FTE	3-YR Average	44.1	42.2	46.2	49.0	70.6	55.3	55.3	55.3	55.3	55.3	55.3
Units	3-YR Average	0	0	0	0	0	0	0	0	0	0	0

Business Purpose:

The TIMP is a federally-mandated program developed and implemented in compliance with 49 CFR Part 192, Subpart O and other related sections such as 49 CFR § 192.710.

Physical Description:

Remediation and replacement/installation of transmission pipeline assets managed by the Transmission organization as a result of TIMP assessments or other activities driven by 49 CFR Part 192, Subpart O and related sections such as 49 CFR § 192.710.

Project Justification:

Remediation activities are executed in compliance with 49 CFR Part 192, Subpart O and related sections such as 49 CFR § 192.714, and are necessary to maintain the integrity of the SoCalGas transmission system.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	P0312.0
Category:	C. TIMP Execution
Category-Sub:	1. TIMP Execution
Workpaper Group:	P03120 - TIMP Transmission Execution
Unit Measure:	No feasible units

Forecast Methodology:

Labor - 3-YR Average

The forecast method selected for this workpaper is 3-Year average. While capital activity is driven by assessment activities, there is variability from project to project. The 3-Year average method is most appropriate because 2023-2025 most closely represents the activity levels and current cost drivers for TIMP after new gas safety regulations such as GTSR Part 1 and Part 2 took effect.

Non-Labor - 3-YR Average

The forecast method selected for this workpaper is 3-Year average. While capital activity is driven by assessment activities, there is variability from project to project. The 3-Year average method is most appropriate because 2023-2025 most closely represents the activity levels and current cost drivers for TIMP after new gas safety regulations such as GTSR Part 1 and Part 2 took effect.

NSE - 3-YR Average

Not Applicable.

Units - 3-YR Average

Capital remediation is a result of TIMP assessment activity (O&M) and is therefore not unitized.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: P0312.0
Category: C. TIMP Execution
Category-Sub: 1. TIMP Execution
Workpaper Group P03120 - TIMP Transmission Execution
Unit Measure: No feasible units

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	7,634	7,634	7,634	7,634	7,634	7,634	273	231	199	200	191	211	7,907	7,865	7,833	7,834	7,825	7,845
NLbr	107,173	107,173	107,173	107,173	107,173	107,173	0	0	0	0	0	0	107,173	107,173	107,173	107,173	107,173	107,173
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**114,807**	**114,807**	**114,807**	**114,807**	**114,807**	**114,807**	**273**	**231**	**199**	**200**	**191**	**211**	**115,080**	**115,038**	**115,006**	**115,007**	**114,998**	**115,018**
FTE	55.3	55.3	55.3	55.3	55.3	55.3	0.0	0.0	0.0	0.0	0.0	0.0	55.3	55.3	55.3	55.3	55.3	55.3
Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Forecast Adjustment Details:

Year	Labor (3-YR Average)	NLbr (3-YR Average)	NSE (3-YR Average)	Total	FTE	Units (3-YR Average)
2026	273	0	0	273	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2026 Total	**273**	**0**	**0**	**273**	**0.0**	**0**
2027	231	0	0	231	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2027 Total	**231**	**0**	**0**	**231**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: P0312.0
Category: C. TIMP Execution
Category-Sub: 1. TIMP Execution
Workpaper Group P03120 - TIMP Transmission Execution
Unit Measure: No feasible units

Year	Labor (3-YR Average)	NLbr (3-YR Average)	NSE (3-YR Average)	Total	FTE	Units (3-YR Average)
2028	199	0	0	199	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2028 Total	**199**	**0**	**0**	**199**	**0.0**	**0**
2029	200	0	0	200	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2029 Total	**200**	**0**	**0**	**200**	**0.0**	**0**
2030	191	0	0	191	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	**191**	**0**	**0**	**191**	**0.0**	**0**
2031	211	0	0	211	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	**211**	**0**	**0**	**211**	**0.0**	**0**

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	P0312.0
Category:	C. TIMP Execution
Category-Sub:	1. TIMP Execution
Workpaper Group:	P03120 - TIMP Transmission Execution
Unit Measure:	No feasible units

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	4,597	4,542	5,326	5,674	8,082
Non-Labor	98,903	63,553	98,460	89,192	124,394
NSE	0	0	0	0	0
Total	**103,500**	**68,095**	**103,787**	**94,866**	**132,476**
FTE	37.1	35.7	39.5	41.7	59.3
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	0	0	0	0	0
Non-Labor	-50	0	1	32	-26
NSE	0	0	0	0	0
Total	**-50**	**0**	**1**	**32**	**-26**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Nominal $)					
Labor	4,597	4,542	5,326	5,674	8,082
Non-Labor	98,853	63,553	98,462	89,224	124,368
NSE	0	0	0	0	0
Total	**103,449**	**68,095**	**103,788**	**94,898**	**132,450**
FTE	37.1	35.7	39.5	41.7	59.3
Units	0	0	0	0	0
Vacation & Sick (Nominal $)					
Labor	811	767	846	911	1,428

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: P0312.0
Category: C. TIMP Execution
Category-Sub: 1. TIMP Execution
Workpaper Group: P03120 - TIMP Transmission Execution
Unit Measure: No feasible units

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**811**	**767**	**846**	**911**	**1,428**
FTE	7.0	6.5	6.7	7.3	11.3
Units	0	0	0	0	0
Escalation to 2025$					
Labor	2,275	1,178	347	289	0
Non-Labor	41,583	14,102	5,544	3,921	0
NSE	0	0	0	0	0
Total	**43,858**	**15,280**	**5,891**	**4,211**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	7,683	6,486	6,519	6,874	9,510
Non-Labor	140,436	77,655	104,005	93,145	124,368
NSE	0	0	0	0	0
Total	**148,118**	**84,141**	**110,525**	**100,019**	**133,878**
FTE	44.1	42.2	46.2	49.0	70.6
Units	0	0	0	0	0

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: P0312.0
Category: C. TIMP Execution
Category-Sub: 1. TIMP Execution
Workpaper Group: P03120 - TIMP Transmission Execution
Unit Measure: No feasible units

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	0	0	0	0	0
Non-Labor	-50	0	1	32	-26
NSE	0	0	0	0	0
Total	**-50**	**0**	**1**	**32**	**-26**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0

Detail of Adjustments to Recorded in Nominal $:

Year	Labor	NLbr	NSE	Total	FTE	Units
2021	0	-50	0	-50	0.0	0
Explanation:	Removing 6900199 (V&S) and 6900201 (overheads)					
2021 Total	0	-50	0	-50	0.0	0
2022 Total	0	0	0	0	0.0	0
2023	0	1	0	1	0.0	0
Explanation:	Removing 6900199 (V&S) and 6900201 (overheads) and adding non-labor intercompany costs from Sempra->SCG					

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: P0312.0
Category: C. TIMP Execution
Category-Sub: 1. TIMP Execution
Workpaper Group: P03120 - TIMP Transmission Execution
Unit Measure: No feasible units

Year	Labor	NLbr	NSE	Total	FTE	Units
2023 Total	0	1	0	1	0.0	0
2024	0	32	0	32	0.0	0
Explanation:	Removing 6900199 (V&S) and 6900201 (overheads)					
2024 Total	0	32	0	32	0.0	0
2025	0	-26	0	-26	0.0	0
Explanation:	Accounting Adjustment					
2025 Total	0	-26	0	-26	0.0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group P03120

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: P0312.0
Category: C. TIMP Execution
Category-Sub: 1. TIMP Execution
Workpaper Group: P03120 - TIMP Transmission Execution
Workpaper Detail: P03120.001 - TIMP Transmission Execution
Unit Measure: No feasible units

In-Service Date: Not Applicable

Description:

Remediation replacement retrofits and installation of transmission pipeline assets managed by the Transmission organization as a result of TIMP assessments or other activities driven by 49 CFR Part 192, Subpart O and related sections such as 49 CFR § 192.710

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	7,907	7,865	7,833	7,834	7,825	7,845
Non-Labor	107,173	107,173	107,173	107,173	107,173	107,173
NSE	0	0	0	0	0	0
Total	**115,080**	**115,038**	**115,006**	**115,007**	**114,998**	**115,018**
FTE	55.3	55.3	55.3	55.3	55.3	55.3
Units	0	0	0	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Category: D. HP Distribution Assessments Execution
Workpaper: A02760

Summary for Category: D. HP Distribution Assessments Execution

In 2025$ (000) Incurred Costs

	Adjusted-Recorded	Adjusted-Forecast					
	2025	2026	2027	2028	2029	2030	2031
Labor	0	0	0	1,119	1,120	1,118	1,121
Non-Labor	0	0	0	14,561	14,561	14,561	14,561
NSE	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**15,680**	**15,681**	**15,679**	**15,682**
FTE	0.0	0.0	0.0	7.6	7.6	7.6	7.6

Workpapers belonging to this Category:

A02760 HP Distribution Assessments Execution							
Labor	0	0	0	1,119	1,120	1,118	1,121
Non-Labor	0	0	0	14,561	14,561	14,561	14,561
NSE	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**15,680**	**15,681**	**15,679**	**15,682**
FTE	0.0	0.0	0.0	7.6	7.6	7.6	7.6
Unit Measure: Miles							
Units	0	0	0	0	0	0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group
A02760 - HP Distribution Assessments Execution

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0276.0
Category: D. HP Distribution Assessments Execution
Category-Sub: 1. HP Distribution Assesments Execution
Workpaper Group: A02760 - HP Distribution Assessments Execution
Unit Measure: Miles

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	Zero-Based	0	0	0	0	0	0	0	1,119	1,120	1,118	1,121
Non-Labor	Zero-Based	0	0	0	0	0	0	0	14,561	14,561	14,561	14,561
NSE	Zero-Based	0	0	0	0	0	0	0	0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15,680**	**15,681**	**15,679**	**15,682**
FTE	Zero-Based	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	7.6	7.6	7.6
Units	Zero-Based	0	0	0	0	0	0	0	0	0	0	0

Business Purpose:

The Company intends to conduct integrity assessments on high priority, high-pressure (HP) distribution pipeline segments operating under 20% SMYS and above 60 psig. These pipelines, while regulated as distribution, operate near the upper stress limits and may share integrity threats common to vintage transmission lines, including manufacturing-related defects. This effort will better characterize pipeline condition and integrity risk.

Physical Description:

Advanced integrity assessment methods, such as robotic in-line inspection (ILI), will enable a more comprehensive understanding of the baseline condition and threats on HP distribution pipelines. A total of seven HP distribution segments were identified for pre-assessment. Capital investments are required where pipeline retrofits are necessary to accommodate inspection tools which may include installation of pressure control fitting to provide entry and exit points for robotic tools, valve replacements, or fitting modifications for adequate internal clearance. Once the retrofit is complete, the inspection tool is deployed, followed by direct examinations to validate the inspection findings and determine if any repairs are needed. Refer to the supplemental workpaper for more detail.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0276.0
Category:	D. HP Distribution Assessments Execution
Category-Sub:	1. HP Distribution Assesments Execution
Workpaper Group:	A02760 - HP Distribution Assessments Execution
Unit Measure:	Miles

Project Justification:

Limited historical failure data and previously unavailable inspection methods have made it difficult to accurately assess risk for these higher -stress distribution segments. A complete and accurate understanding of the pipeline system is fundamental to effective risk analysis and is critical to the safe and reliable operation of SoCalGas's pipeline infrastructure.

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0276.0
Category: D. HP Distribution Assessments Execution
Category-Sub: 1. HP Distribution Assesments Execution
Workpaper Group: A02760 - HP Distribution Assessments Execution
Unit Measure: Miles

Forecast Methodology:

Labor - Zero-Based

Labor forecasts are established using a zero-based methodology, informed by historical cost and execution experience from comparable ILI projects, in support of high-pressure distribution assessment activities. Additional detail is provided in the supplemental workpaper.

Non-Labor - Zero-Based

Non-labor forecasts are established using a zero-based methodology, informed by historical cost and execution experience from comparable ILI projects, in support of high-pressure distribution assessment activities. Additional detail is provided in the supplemental workpaper.

NSE - Zero-Based

Not Applicable

Units - Zero-Based

No feasible units

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0276.0
Category: D. HP Distribution Assessments Execution
Category-Sub: 1. HP Distribution Assesments Execution
Workpaper Group A02760 - HP Distribution Assessments Execution
Unit Measure: Miles

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	0	0	1,091	1,091	1,091	1,091	0	0	28	29	27	30	0	0	1,119	1,120	1,118	1,121
NLbr	0	0	14,561	14,561	14,561	14,561	0	0	0	0	0	0	0	0	14,561	14,561	14,561	14,561
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**15,652**	**15,652**	**15,652**	**15,652**	**0**	**0**	**28**	**29**	**27**	**30**	**0**	**0**	**15,680**	**15,681**	**15,679**	**15,682**
FTE	0.0	0.0	7.6	7.6	7.6	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	7.6	7.6	7.6
Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Forecast Adjustment Details

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2026 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2027 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2028	28	0	0	28	0.0	0

Explanation: Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.

2028 Total	**28**	**0**	**0**	**28**	**0.0**	**0**
2029	29	0	0	29	0.0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0276.0
Category: D. HP Distribution Assessments Execution
Category-Sub: 1. HP Distribution Assesments Execution
Workpaper Group A02760 - HP Distribution Assessments Execution
Unit Measure: Miles

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2029 Total	**29**	**0**	**0**	**29**	**0.0**	**0**
2030	27	0	0	27	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	**27**	**0**	**0**	**27**	**0.0**	**0**
2031	30	0	0	30	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	**30**	**0**	**0**	**30**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0276.0
Category: D. HP Distribution Assessments Execution
Category-Sub: 1. HP Distribution Assesments Execution
Workpaper Group: A02760 - HP Distribution Assessments Execution
Unit Measure: Miles

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Nominal $)					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Vacation & Sick (Nominal $)					
Labor	0	0	0	0	0

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0276.0
Category:	D. HP Distribution Assessments Execution
Category-Sub:	1. HP Distribution Assesments Execution
Workpaper Group:	A02760 - HP Distribution Assessments Execution
Unit Measure:	Miles

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Escalation to 2025$					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0276.0
Category: D. HP Distribution Assessments Execution
Category-Sub: 1. HP Distribution Assesments Execution
Workpaper Group: A02760 - HP Distribution Assessments Execution
Unit Measure: Miles

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0

Year	Labor	NLbr	NSE	Total	FTE	Units

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group A02760

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0276.0
Category: D. HP Distribution Assessments Execution
Category-Sub: 1. HP Distribution Assesments Execution
Workpaper Group: A02760 - HP Distribution Assessments Execution
Workpaper Detail: A02760.001 - HP Distribution Assessments Execution
Unit Measure: Miles

In-Service Date: Not Applicable

Description:

Advanced integrity assessment methods such as robotic in-line inspection (ILI), will enable a more comprehensive understanding of the baseline condition and threats on HP distribution pipelines. A total of seven HP distribution segments were identified for pre-assessment. Refer to supplemental workpaper for more detail.

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	1,119	1,120	1,118	1,121
Non-Labor	0	0	14,561	14,561	14,561	14,561
NSE	0	0	0	0	0	0
Total	**0**	**0**	**15,680**	**15,681**	**15,679**	**15,682**
FTE	0.0	0.0	7.6	7.6	7.6	7.6
Units	0	0	0	0	0	0

Note: Totals may include rounding differences.

Supplemental Workpapers for Workpaper Group A02760

SCG Capital HP Distribution Assessments Execution Supplemental Workpaper

Workpaper: A02760

Spend	2028	2029	2030	2031
Total Projected Spend	**$15,680,000**	**$15,681,000**	**$15,679,000**	**$15,682,000**
Capital Spend	$15,680,000	$15,681,000	$15,679,000	$15,682,000
Mileage	0	0	0	0

Note: The forecasted costs shown above are based on the total costs of the HP segments identified below and have been normalized across the GRC cycle.

Pipeline	Mileage	Suggested Tool	Labor, 6%	Non-Labor, 94%	Total (Capital)
HP Segment A	2.6	Robotic	$ 735,194	$ 9,562,432	**$ 10,297,626**
HP Segment B	0.8	Robotic	$ 233,925	$ 3,042,592	**$ 3,276,517**
HP Segment C	1.3	Robotic	$ 401,015	$ 5,215,872	**$ 5,616,887**
HP Segment D	3.5	Robotic	$ 735,194	$ 9,562,432	**$ 10,297,626**
HP Segment E	1.8	Robotic	$ 1,403,552	$ 18,255,552	**$ 19,659,104**
HP Segment F	1.9	Robotic	$ 401,015	$ 5,215,872	**$ 5,616,887**
HP Segment G	2.7	Robotic	$ 568,104	$ 7,389,152	**$ 7,957,256**
Total	**14.6**				

PROJECT COST ASSUMPTIONS

- Stopple Fitting Installations (Capital): ~$2MM per mile, including stopple installation and charging station; assumes 1 stopple per mile.
- Multiple Diameters: Each diameter requires its own robotic inspection and its own stopple retrofit (e.g., 3 diameters → 3 ILIs ≈ $6MM capital).
- Plug Valve Consideration: If the stopple is at a plug valve, only one retrofit is required; if a separate excavation is needed, add ~$2MM.
- Back-to-Back Elbows (Capital) :~$2MM per mile, Efficiencies may exist if stopples are co-located, but the conservative assumption is to treat each elbow as a separate retrofit; applies only to true back-to-back elbows.
- Baseline Dig Assumptions: Assume 1 capital dig (~$800K), with costs driven by diameter and environmental constraints.
- Additional Capital costs are included for unplanned repairs that may be identified through the assessments, this fluctuates per project.
- Capital Labor 6% and Non-labor 94%

Note: HP segments selected for forecast are preliminary and subject to change pending further evaluation.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Category: E. Compressor Station Compliance and Safety Programs
Workpaper: VARIOUS

Summary for Category: E. Compressor Station Compliance and Safety Programs

In 2025$ (000) Incurred Costs

	Adjusted-Recorded	Adjusted-Forecast					
	2025	2026	2027	2028	2029	2030	2031
Labor	3,866	2,100	0	1,018	0	0	0
Non-Labor	54,257	10,871	0	30,392	0	0	0
NSE	0	0	0	0	0	0	0
Total	**58,123**	**12,971**	**0**	**31,410**	**0**	**0**	**0**
FTE	27.5	13.6	0.0	6.7	0.0	0.0	0.0

Workpapers belonging to this Category:

A03350 Blythe Compressor Modernization							
Labor	1,171	1,495	0	0	0	0	0
Non-Labor	3,000	1,471	0	0	0	0	0
NSE	0	0	0	0	0	0	0
Total	**4,171**	**2,966**	**0**	**0**	**0**	**0**	**0**
FTE	8.4	9.7	0.0	0.0	0.0	0.0	0.0
Unit Measure: N/A							
Units	0	0	0	0	0	0	0
A0411A A0411A - Honor Rancho Compressor Modernization							
Labor	0	0	0	1,018	0	0	0
Non-Labor	0	0	0	30,392	0	0	0
NSE	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**31,410**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	6.7	0.0	0.0	0.0
Unit Measure: N/A							
Units	0	0	0	0	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Category: E. Compressor Station Compliance and Safety Programs
Workpaper: VARIOUS

	In 2025$ (000) Incurred Costs						
	Adjusted-Recorded	Adjusted-Forecast					
	2025	2026	2027	2028	2029	2030	2031
A04190 Reclaim Projects							
Labor	2,695	605	0	0	0	0	0
Non-Labor	51,257	9,400	0	0	0	0	0
NSE	0	0	0	0	0	0	0
Total	**53,952**	**10,005**	**0**	**0**	**0**	**0**	**0**
FTE	19.1	3.9	0.0	0.0	0.0	0.0	0.0
Unit Measure: Installations							
Units	0	1	0	0	0	0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group
A03350 - Blythe Compressor Modernization

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0335.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A03350 - Blythe Compressor Modernization
Unit Measure: N/A

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	Zero-Based	3,233	1,098	772	1,221	1,171	1,495	0	0	0	0	0
Non-Labor	Zero-Based	72,464	23,201	22,495	25,670	3,000	1,471	0	0	0	0	0
NSE	Zero-Based	0	0	0	0	0	0	0	0	0	0	0
Total		**75,697**	**24,299**	**23,266**	**26,890**	**4,171**	**2,966**	**0**	**0**	**0**	**0**	**0**
FTE	Zero-Based	16.7	6.4	5.9	8.3	8.4	9.7	0.0	0.0	0.0	0.0	0.0
Units	Zero-Based	0	0	0	0	0	0	0	0	0	0	0

Business Purpose:

The Blythe Compressor Station Modernization (BCM) project is designed to replace and upgrade aging compressor units and auxiliary systems to maintain Southern System reliability, one of SoCalGas' top enterprise risks. This modernization will improve operational efficiency and resiliency, reduce emissions, and support compliance with environmental standards. Funding is requested for 2026 to complete critical work; no additional funding is planned for Test Year 2028.

Physical Description:

The project scope includes constructing a new compressor building with two (2) Siemens/Dresser SGT-300 Turbo-Compressor/Driver units (7,226 HP each), equipped with inlet filtration and Selective Catalytic Reduction (SCR) emissions control systems. Supporting infrastructure includes new Instrument Air, Fuel Gas Supply, and Cooling Water systems. A new generator building will house five 715 kW generators to replace existing units and power both new and existing station facilities.

Project Justification:

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0335.0
Category:	E. Compressor Station Compliance and Safety Programs
Category-Sub:	1. Compressor Station Compliance Programs
Workpaper Group:	A03350 - Blythe Compressor Modernization
Unit Measure:	N/A

Modernizing Blythe Compressor Station is essential to maintain the current design capacity of 1.2 BCF per day and support reliable operation of the Southern System. The new equipment will enhance system resiliency and reduce emissions of nitrogen oxides, greenhouse gases, particulate matter, and fugitive methane through advanced technologies such as SCR. This project supports compliance with environmental regulations and corporate sustainability goals. All work is scheduled for completion in 2026; no additional expenditures are anticipated in 2028.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0335.0
Category:	E. Compressor Station Compliance and Safety Programs
Category-Sub:	1. Compressor Station Compliance Programs
Workpaper Group:	A03350 - Blythe Compressor Modernization
Unit Measure:	N/A

Forecast Methodology:

Labor - Zero-Based

For BCM, the forecast method developed for this cost category is a zero-based methodology using estimates based on knowledge of experienced personnel of previously completed, similar sized project work. All labor costs are forecasted for 2026; no costs are projected for Test Year 2028.

Non-Labor - Zero-Based

A zero-based methodology was applied using vendor quotes for major equipment and materials, along with historical data from comparable projects. Key cost drivers include equipment pricing, material availability, schedule constraints, and market conditions. All non-labor costs are forecasted for 2026; no costs are projected for Test Year 2028.

NSE - Zero-Based

There are no non-standard escalation expenses in this workpaper.

Units - Zero-Based

There are no specific units in this workpaper.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0335.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group A03350 - Blythe Compressor Modernization
Unit Measure: N/A

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	1,443	0	0	0	0	0	52	0	0	0	0	0	1,495	0	0	0	0	0
NLbr	1,471	0	0	0	0	0	0	0	0	0	0	0	1,471	0	0	0	0	0
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**2,914**	**0**	**0**	**0**	**0**	**0**	**52**	**0**	**0**	**0**	**0**	**0**	**2,966**	**0**	**0**	**0**	**0**	**0**
FTE	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Forecast Adjustment Details:

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2026	52	0	0	52	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2026 Total	**52**	**0**	**0**	**52**	**0.0**	**0**
2027 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2028 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2029 Total	**0**	**0**	**0**	**0**	**0.0**	**0**

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0335.0
Category:	E. Compressor Station Compliance and Safety Programs
Category-Sub:	1. Compressor Station Compliance Programs
Workpaper Group	A03350 - Blythe Compressor Modernization
Unit Measure:	N/A

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2030 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2031 Total	**0**	**0**	**0**	**0**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0335.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A03350 - Blythe Compressor Modernization
Unit Measure: N/A

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	1,822	555	281	736	472
Non-Labor	48,830	11,083	2,144	14,006	1,625
NSE	0	0	0	0	0
Total	**50,653**	**11,638**	**2,425**	**14,742**	**2,097**
FTE	13.0	3.6	2.3	5.2	4.0
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	112	213	349	272	523
Non-Labor	2,177	7,905	19,152	10,583	1,375
NSE	0	0	0	0	0
Total	**2,289**	**8,118**	**19,501**	**10,855**	**1,898**
FTE	1.1	1.8	2.7	1.9	3.0
Units	0	0	0	0	0
Recorded-Adjusted (Nominal $)					
Labor	1,934	769	630	1,008	995
Non-Labor	51,007	18,988	21,296	24,589	3,000
NSE	0	0	0	0	0
Total	**52,942**	**19,757**	**21,926**	**25,597**	**3,995**
FTE	14.1	5.4	5.0	7.1	7.0
Units	0	0	0	0	0
Vacation & Sick (Nominal $)					
Labor	341	130	100	162	176

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0335.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A03350 - Blythe Compressor Modernization
Unit Measure: N/A

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**341**	**130**	**100**	**162**	**176**
FTE	2.6	1.0	0.9	1.2	1.4
Units	0	0	0	0	0
Escalation to 2025$					
Labor	957	199	41	51	0
Non-Labor	21,457	4,213	1,199	1,081	0
NSE	0	0	0	0	0
Total	**22,414**	**4,413**	**1,240**	**1,132**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	3,233	1,098	772	1,221	1,171
Non-Labor	72,464	23,201	22,495	25,670	3,000
NSE	0	0	0	0	0
Total	**75,697**	**24,299**	**23,266**	**26,890**	**4,171**
FTE	16.7	6.4	5.9	8.3	8.4
Units	0	0	0	0	0

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0335.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A03350 - Blythe Compressor Modernization
Unit Measure: N/A

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	112	213	349	272	523
Non-Labor	2,177	7,905	19,152	10,583	1,375
NSE	0	0	0	0	0
Total	**2,289**	**8,118**	**19,501**	**10,855**	**1,898**
FTE	1.1	1.8	2.7	1.9	3.0
Units	0	0	0	0	0

Detail of Adjustments to Recorded in Nominal $:

Year	Labor	NLbr	NSE	Total	FTE	Units
2021	112	2,177	0	2,289	1.1	0
Explanation:	2200/92956 BLYTHE COMPRESSOR INTEGRATION - GOGT transfer to GMP					
2021 Total	112	2,177	0	2,289	1.1	0
2022	213	7,905	0	8,118	1.8	0
Explanation:	2200/92956BLYTHE COMPRESSOR INTEGRATION GOGT transfer to GMP					
2022 Total	213	7,905	0	8,118	1.8	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0335.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A03350 - Blythe Compressor Modernization
Unit Measure: N/A

Year	Labor	NLbr	NSE	Total	FTE	Units
2023	349	19,152	0	19,501	2.7	0
Explanation:	2200/70752 FACILITIES-BLYTHE-C7100 OVERHAUL 2200/70753BLYTHE PLANT 4 - CRITICAL SPARE GG & PT,2200/92956, BLYTHE COMPRESSOR INTEGRATION - GOGT transfer to GMP					
2023 Total	349	19,152	0	19,501	2.7	0
2024	272	10,583	0	10,855	1.9	0
Explanation:	2200/70752 FACILITIES-BLYTHE-C7100 OVERHAUL 2200/70753BLYTHE PLANT 4 - CRITICAL SPARE GG & PT,2200/92956, BLYTHE COMPRESSOR INTEGRATION - GOGT transfer to GMP					
2024 Total	272	10,583	0	10,855	1.9	0
2025	523	1,375	0	1,898	3.0	0
Explanation:	2200/70752 FACILITIES-BLYTHE-C7100 OVERHAUL 2200/70753 'BLYTHE PLANT 4 - CRITICAL SPARE GG & PT, 2200/92956 BLYTHE COMPRESSOR INTEGRATION - GOGT to GMP					
2025 Total	523	1,375	0	1,898	3.0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group A03350

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0335.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A03350 - Blythe Compressor Modernization
Workpaper Detail: A03350.001 - A03350 - Blythe Compressor Modernization
Unit Measure: N/A

In-Service Date: 05/31/2026

Description:

Covers activities associated with the modernization and upgrade of the Blythe Compressor Station to support safe, reliable, and efficient operation of the gas transmission system. No additional funding is requested for this activity in this General Rate Case; the activity is presented for the purpose of documenting and reflecting final 2026 recorded costs.

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	1,495	0	0	0	0	0
Non-Labor	1,471	0	0	0	0	0
NSE	0	0	0	0	0	0
Total	**2,966**	**0**	**0**	**0**	**0**	**0**
FTE	9.7	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group

A0411A - A0411A - Honor Rancho Compressor Modernization

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0411.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A0411A - A0411A - Honor Rancho Compressor Modernization
Unit Measure: N/A

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	Zero-Based	0	0	0	0	0	0	0	1,018	0	0	0
Non-Labor	Zero-Based	0	0	0	0	0	0	0	30,392	0	0	0
NSE	Zero-Based	0	0	0	0	0	0	0	0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**31,410**	**0**	**0**	**0**
FTE	Zero-Based	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0
Units	Zero-Based	0	0	0	0	0	0	0	0	0	0	0

Business Purpose:

The Honor Rancho Compressor Modernization (HRCM) Project is designed to enhance system safety, reliability, and compliance by performing major overhauls, rebuilds, and equipment upgrades at the Honor Rancho Storage Facility. Work includes improvements to compressors, engines, power turbines, gearboxes, and critical instrumentation to maintain operational integrity and meet regulatory requirements.

Physical Description:

The project involves replacing and upgrading compressor station components and associated systems at Honor Rancho to support safe operations, maintain reliability, and comply with environmental and regulatory standards. Activities include installation of new compressor equipment, emissions control systems, and supporting mechanical and electrical infrastructure necessary for continued injection capacity and system performance. Further detail on forecasted costs for the HRCM Project that exceed the authorized cost cap is contained in supplemental workpaper (Ex. SCG-06-WP-S, Volume III).

Project Justification:

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0411.0
Category:	E. Compressor Station Compliance and Safety Programs
Category-Sub:	1. Compressor Station Compliance Programs
Workpaper Group:	A0411A - A0411A - Honor Rancho Compressor Modernization
Unit Measure:	N/A

Compressor station assets require ongoing capital maintenance and modernization to prevent equipment failures that could disrupt gas supply continuity. Deferring these upgrades increases the risk of unplanned outages, which could impact transmission and distribution reliability. Modernization also supports compliance with air quality regulations and operational resiliency at a critical storage facility.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0411.0
Category:	E. Compressor Station Compliance and Safety Programs
Category-Sub:	1. Compressor Station Compliance Programs
Workpaper Group:	A0411A - A0411A - Honor Rancho Compressor Modernization
Unit Measure:	N/A

Forecast Methodology:

Labor - Zero-Based

The TY 2028 labor forecast was developed using a zero-based methodology to reflect the labor required to complete the remaining activities within the project's original scope that extend beyond the authorized cost cap. Labor requirements were developed from the defined work sequence for project management, engineering, construction oversight, and commissioning, rather than extrapolated from historical averages.

Non-Labor - Zero-Based

The TY 2028 non-labor forecast was developed using a zero-based methodology to estimate the costs necessary to complete the remaining elements of the project's original scope beyond the existing cost-cap authorization. These costs include materials, contractor services, equipment, emissions-control systems, and supporting infrastructure and were developed based on current project requirements rather than historical trends.

NSE - Zero-Based

There are no non-standard escalation expenses in this workpaper.

Units - Zero-Based

There are no specific units in this workpaper.

Beginning of Workpaper Sub Details for
Workpaper Group A0411A

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0411.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A0411A - A0411A - Honor Rancho Compressor Modernization
Workpaper Detail: A0411A.001 - A0411A - Honor Rancho Compressor Modernization
Unit Measure: N/A

In-Service Date: 10/31/2028

Description:

Covers the remaining work associated with the project's originally approved scope beyond the cost-cap authorization, which includes upgrades to aging compressor units and auxiliary equipment and modifications necessary to comply with current safety, environmental, and regulatory requirements.

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	1,018	0	0	0
Non-Labor	0	0	30,392	0	0	0
NSE	0	0	0	0	0	0
Total	**0**	**0**	**31,410**	**0**	**0**	**0**
FTE	0.0	0.0	6.7	0.0	0.0	0.0
Units	0	0	0	0	0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group
A04190 - Reclaim Projects

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0419.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A04190 - Reclaim Projects
Unit Measure: Installations

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	Zero-Based	1,020	1,509	1,951	1,993	2,695	605	0	0	0	0	0
Non-Labor	Zero-Based	6,641	15,684	21,084	29,862	51,257	9,400	0	0	0	0	0
NSE	Zero-Based	0	0	0	0	0	0	0	0	0	0	0
Total		**7,661**	**17,193**	**23,035**	**31,855**	**53,951**	**10,005**	**0**	**0**	**0**	**0**	**0**
FTE	Zero-Based	5.8	9.6	13.4	14.2	19.1	3.9	0.0	0.0	0.0	0.0	0.0
Units	Zero-Based	3	3	3	3	0	1	0	0	0	0	0

Business Purpose:

The RECLAIM Transition Program was implemented to align with South Coast AQMD's transition away from the NOx RECLAIM program. The work included retrofits and permitting adjustments to meet Best Available Retrofit Control Technology (BARCT) standards and updated New Source Review (NSR) requirements, supporting safe and compliant operations at affected facilities.

Physical Description:

The program involved engineering and installation of emissions-control retrofits (e.g., combustion modifications, selective catalytic reduction), permitting updates, and monitoring system enhancements. These upgrades were completed at facilities previously operating under RECLAIM to meet BARCT and NSR requirements under the new command-and-control framework.

Project Justification:

Compliance with AQMD BARCT and NSR requirements was necessary to maintain operational integrity and avoid regulatory penalties. Completing

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0419.0
Category:	E. Compressor Station Compliance and Safety Programs
Category-Sub:	1. Compressor Station Compliance Programs
Workpaper Group:	A04190 - Reclaim Projects
Unit Measure:	Installations

these projects supported continued safe operation of gas infrastructure.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0419.0
Category:	E. Compressor Station Compliance and Safety Programs
Category-Sub:	1. Compressor Station Compliance Programs
Workpaper Group:	A04190 - Reclaim Projects
Unit Measure:	Installations

Forecast Methodology:

Labor - Zero-Based

The labor forecast was developed using a zero-based methodology to reflect the specific engineering, permitting, and installation activities required for RECLAIM transition compliance. No labor costs are forecasted in TY 2028, as all work has been completed.

Non-Labor - Zero-Based

The non-labor forecast was developed using a zero-based methodology based on the materials, contractor services, and emissions-control equipment required for BARCT retrofits and monitoring upgrades. No non-labor costs are forecasted in TY 2028.

NSE - Zero-Based

There are no non-standard escalation expenses in this workpaper.

Units - Zero-Based

The unit forecast was developed using a zero-based methodology based on the number of retrofit packages and monitoring system enhancements required for compliance. No units are forecasted in TY 2028, as all installations are complete.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0419.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group A04190 - Reclaim Projects
Unit Measure: Installations

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	584	0	0	0	0	0	21	0	0	0	0	0	605	0	0	0	0	0
NLbr	9,400	0	0	0	0	0	0	0	0	0	0	0	9,400	0	0	0	0	0
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**9,984**	**0**	**0**	**0**	**0**	**0**	**21**	**0**	**0**	**0**	**0**	**0**	**10,005**	**0**	**0**	**0**	**0**	**0**
FTE	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0
Units	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

Forecast Adjustment Details:

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2026	21	0	0	21	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2026 Total	**21**	**0**	**0**	**21**	**0.0**	**0**
2027 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2028 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2029 Total	**0**	**0**	**0**	**0**	**0.0**	**0**

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0419.0
Category:	E. Compressor Station Compliance and Safety Programs
Category-Sub:	1. Compressor Station Compliance Programs
Workpaper Group	A04190 - Reclaim Projects
Unit Measure:	Installations

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2030 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2031 Total	**0**	**0**	**0**	**0**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0419.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A04190 - Reclaim Projects
Unit Measure: Installations

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	610	1,056	1,594	1,645	2,290
Non-Labor	4,675	12,836	19,961	28,605	51,257
NSE	0	0	0	0	0
Total	**5,285**	**13,893**	**21,554**	**30,250**	**53,547**
FTE	4.9	8.1	11.5	12.1	16.0
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	3	3	3	3	0
Recorded-Adjusted (Nominal $)					
Labor	610	1,056	1,594	1,645	2,290
Non-Labor	4,675	12,836	19,961	28,605	51,257
NSE	0	0	0	0	0
Total	**5,285**	**13,893**	**21,554**	**30,250**	**53,547**
FTE	4.9	8.1	11.5	12.1	16.0
Units	3	3	3	3	0
Vacation & Sick (Nominal $)					
Labor	108	178	253	264	405

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0419.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A04190 - Reclaim Projects
Unit Measure: Installations

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**108**	**178**	**253**	**264**	**405**
FTE	0.9	1.5	1.9	2.1	3.1
Units	0	0	0	0	0
Escalation to 2025$					
Labor	302	274	104	84	0
Non-Labor	1,966	2,848	1,124	1,257	0
NSE	0	0	0	0	0
Total	**2,268**	**3,122**	**1,228**	**1,341**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	1,020	1,509	1,951	1,993	2,695
Non-Labor	6,641	15,684	21,084	29,862	51,257
NSE	0	0	0	0	0
Total	**7,661**	**17,193**	**23,035**	**31,855**	**53,951**
FTE	5.8	9.6	13.4	14.2	19.1
Units	3	3	3	3	0

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0419.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A04190 - Reclaim Projects
Unit Measure: Installations

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	3	3	3	3	0

Detail of Adjustments to Recorded in Nominal $:

Year	Labor	NLbr	NSE	Total	FTE	Units
2021	0	0	0	0	0.0	3
Explanation:	Adjustment is to add the unit of measurement related to 2021 costs for this workpaper.					
2021 Total	0	0	0	0	0.0	3
2022	0	0	0	0	0.0	3
Explanation:	Adjustment is to add the unit of measurement related to 2022 costs for this workpaper.					
2022 Total	0	0	0	0	0.0	3

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0419.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A04190 - Reclaim Projects
Unit Measure: Installations

Year	Labor	NLbr	NSE	Total	FTE	Units
2023	0	0	0	0	0.0	3
Explanation:	Adjustment is to add the unit of measurement related to 2023 costs for this workpaper.					
2023 Total	0	0	0	0	0.0	3
2024	0	0	0	0	0.0	3
Explanation:	Adjustment is to add the unit of measurement related to 2024 costs for this workpaper.					
2024 Total	0	0	0	0	0.0	3
2025 Total	0	0	0	0	0.0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group A04190

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0419.0
Category: E. Compressor Station Compliance and Safety Programs
Category-Sub: 1. Compressor Station Compliance Programs
Workpaper Group: A04190 - Reclaim Projects
Workpaper Detail: A04190.001 - A04190 - Reclaim Projects
Unit Measure: Installations

In-Service Date: 06/30/2026

Description:

Covers RECLAIM compliance activities at the Playa del Rey and Aliso Canyon facilities. Costs were incurred in 2026 only; no funding is requested in this GRC.

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	605	0	0	0	0	0
Non-Labor	9,400	0	0	0	0	0
NSE	0	0	0	0	0	0
Total	**10,005**	**0**	**0**	**0**	**0**	**0**
FTE	3.9	0.0	0.0	0.0	0.0	0.0
Units	1	0	0	0	0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Category: F. CCM Ongoing Programmatic Activities
Workpaper: VARIOUS

Summary for Category: F. CCM Ongoing Programmatic Activities

In 2025$ (000) Incurred Costs

	Adjusted-Recorded	Adjusted-Forecast					
	2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	4,152	3,402	7,442	8,119	8,120	8,110	8,129
Non-Labor	24,347	15,209	17,857	19,475	19,475	19,475	19,405
NSE	0	0	0	0	0	0	0
Total	**28,499**	**18,611**	**25,299**	**27,594**	**27,595**	**27,585**	**27,534**
FTE	29.4	21.7	50.1	54.7	54.7	54.7	54.7

Workpapers belonging to this Category:

002500 CCM Distribution							
Labor	2,950	2,330	6,304	6,279	6,280	6,272	6,288
Non-Labor	20,759	14,437	16,663	16,663	16,663	16,663	16,663
NSE	0	0	0	0	0	0	0
Total	**23,709**	**16,767**	**22,967**	**22,942**	**22,943**	**22,935**	**22,951**
FTE	20.0	14.8	42.7	42.7	42.7	42.7	42.7
Unit Measure: SCADA Enhanced Sites							
Units	8	13	13	13	13	13	13
004050 CCM Transmission							
Labor	1,202	1,072	1,138	1,840	1,840	1,838	1,841
Non-Labor	3,588	772	1,194	2,812	2,812	2,812	2,742
NSE	0	0	0	0	0	0	0
Total	**4,790**	**1,844**	**2,332**	**4,652**	**4,652**	**4,650**	**4,583**
FTE	9.4	6.9	7.4	12.0	12.0	12.0	12.0
Unit Measure: Installations							
Units	61	50	75	260	260	260	252

Note: Totals may include rounding differences.

Beginning of Workpaper Group
002500 - CCM Distribution

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00250.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 002500 - CCM Distribution
Unit Measure: SCADA Enhanced Sites

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	3-YR Average	3,123	5,364	6,499	8,909	2,950	2,330	6,304	6,279	6,280	6,272	6,288
Non-Labor	3-YR Average	11,734	15,244	12,716	16,516	20,759	14,437	16,663	16,663	16,663	16,663	16,663
NSE	3-YR Average	0	0	0	0	0	0	0	0	0	0	0
Total		**14,857**	**20,607**	**19,214**	**25,424**	**23,709**	**16,767**	**22,967**	**22,942**	**22,943**	**22,935**	**22,951**
FTE	3-YR Average	19.0	35.3	45.6	62.6	20.0	14.8	42.7	42.7	42.7	42.7	42.7
Units	3-YR Average	0	2	10	8	8	13	13	13	13	13	13

Business Purpose:

The purpose of the Control Center Modernization (CCM) project is to enhance system safety and reliability by expanding SoCalGas's ability to monitor and control its gas network. These costs represent the continuation of work authorized in D.19-09-051 and D.24-12-074 to enhance Distribution Regulator Stations (DRS) with remote monitoring and control capabilities, enabling Gas Control to respond more quickly to abnormal operating conditions and improve system resiliency.

Physical Description:

The CCM project plans to enhance a total of 39 regulator stations with remote control and SCADA capabilities during the forecast period of 2026-2028. These enhancements will enable real-time monitoring and control from Gas Control, improving operational flexibility and supporting system safety and reliability objectives.

Project Justification:

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00250.0
Category:	F. CCM Ongoing Programmatic Activities
Category-Sub:	1. Control Center Modernization
Workpaper Group:	002500 - CCM Distribution
Unit Measure:	SCADA Enhanced Sites

Enhancing Distribution Regulator Stations with remote control and SCADA capabilities provides Gas Control with real-time visibility into system conditions, including dynamic pressures and flows, and the ability to control select stations remotely. These capabilities improve operational responsiveness and help mitigate the risk of over- or under-pressure events, which are critical safety concerns in the gas distribution network.

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00250.0
Category:	F. CCM Ongoing Programmatic Activities
Category-Sub:	1. Control Center Modernization
Workpaper Group:	002500 - CCM Distribution
Unit Measure:	SCADA Enhanced Sites

Forecast Methodology:

Labor - 3-YR Average

The TY 2028 labor forecast applies a three-year historical average to smooth labor volatility associated with project execution and subsequent close-out activities. This approach reflects adjusted actual experience and provides a normalized basis for projecting ongoing labor requirements beyond the implementation phase.

Non-Labor - 3-YR Average

The TY 2028 non-labor forecast applies a three-year historical average to smooth variability driven by project execution and close-out activities, providing a normalized estimate of ongoing non-labor requirements based on adjusted actual experience.

NSE - 3-YR Average

There are no non-standard escalation expenses in this workpaper.

Units - 3-YR Average

The TY 2028 unit forecast uses a three-year historical average as a starting point and incorporates an adjustment to reflect the project's steady-state operating level of thirteen regulator station enhancements per year, consistent with current execution expectations.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00250.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group 002500 - CCM Distribution
Unit Measure: SCADA Enhanced Sites

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	6,119	6,119	6,119	6,119	6,119	6,119	-3,789	185	160	161	153	169	2,330	6,304	6,279	6,280	6,272	6,288
NLbr	16,663	16,663	16,663	16,663	16,663	16,663	-2,226	0	0	0	0	0	14,437	16,663	16,663	16,663	16,663	16,663
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**22,782**	**22,782**	**22,782**	**22,782**	**22,782**	**22,782**	**-6,015**	**185**	**160**	**161**	**153**	**169**	**16,767**	**22,967**	**22,942**	**22,943**	**22,935**	**22,951**
FTE	42.7	42.7	42.7	42.7	42.7	42.7	-27.9	0.0	0.0	0.0	0.0	0.0	14.8	42.7	42.7	42.7	42.7	42.7
Units	8	8	8	8	8	8	5	5	5	5	5	5	13	13	13	13	13	13

Forecast Adjustment Details:

Year	Labor (3-YR Average)	NLbr (3-YR Average)	NSE (3-YR Average)	Total	FTE	Units (3-YR Average)
2026	-3,869	-2,226	0	-6,095	-27.9	5

Explanation: CCM distribution adjustment to align Labor and Non-labor costs with 2026 forecast. CCM distribution work has shown improved efficiencies from the early installations to current efforts, allowing the team to complete more SCADA Enhanced Site installations than in previous years. This adjustment reflects that increased capacity and highlights the change in installation rates.

2026	80	0	0	80	0.0	0

Explanation: Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.

2026 Total	**-3,789**	**-2,226**	**0**	**-6,015**	**-27.9**	**5**
2027	0	0	0	0	0.0	5

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00250.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group 002500 - CCM Distribution
Unit Measure: SCADA Enhanced Sites

Year	Labor (3-YR Average)	NLbr (3-YR Average)	NSE (3-YR Average)	Total	FTE	Units (3-YR Average)
Explanation:	CCM distribution work has shown improved efficiencies from the early installations to current efforts , allowing the team to complete more SCADA Enhanced Site installations than in previous years. This adjustment reflects that increased capacity and highlights the change in installation rates.					
2027	185	0	0	185	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2027 Total	**185**	**0**	**0**	**185**	**0.0**	**5**
2028	0	0	0	0	0.0	5
Explanation:	CCM distribution work has shown improved efficiencies from the early installations to current efforts , allowing the team to complete more SCADA Enhanced Site installations than in previous years. This adjustment reflects that increased capacity and highlights the change in installation rates.					
2028	160	0	0	160	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2028 Total	**160**	**0**	**0**	**160**	**0.0**	**5**
2029	0	0	0	0	0.0	5
Explanation:	CCM distribution work has shown improved efficiencies from the early installations to current efforts , allowing the team to complete more SCADA Enhanced Site installations than in previous years. This adjustment reflects that increased capacity and highlights the change in installation rates.					
2029	161	0	0	161	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00250.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group 002500 - CCM Distribution
Unit Measure: SCADA Enhanced Sites

Year	Labor (3-YR Average)	NLbr (3-YR Average)	NSE (3-YR Average)	Total	FTE	Units (3-YR Average)
2029 Total	**161**	**0**	**0**	**161**	**0.0**	**5**
2030	0	0	0	0	0.0	5
Explanation:	CCM distribution work has shown improved efficiencies from the early installations to current efforts , allowing the team to complete more SCADA Enhanced Site installations than in previous years. This adjustment reflects that increased capacity and highlights the change in installation rates.					
2030	153	0	0	153	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	**153**	**0**	**0**	**153**	**0.0**	**5**
2031	0	0	0	0	0.0	5
Explanation:	CCM distribution work has shown improved efficiencies from the early installations to current efforts , allowing the team to complete more SCADA Enhanced Site installations than in previous years. This adjustment reflects that increased capacity and highlights the change in installation rates.					
2031	169	0	0	169	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	**169**	**0**	**0**	**169**	**0.0**	**5**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00250.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 002500 - CCM Distribution
Unit Measure: SCADA Enhanced Sites

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	1,869	2,676	1,858	1,071	1,601
Non-Labor	8,259	12,475	12,038	15,820	18,557
NSE	0	0	0	0	0
Total	**10,128**	**15,151**	**13,896**	**16,891**	**20,158**
FTE	16.0	22.6	16.0	11.4	12.8
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	0	1,080	3,451	6,282	906
Non-Labor	0	0	0	0	2,202
NSE	0	0	0	0	0
Total	**0**	**1,080**	**3,451**	**6,282**	**3,108**
FTE	0.0	7.3	23.0	41.9	4.0
Units	0	2	10	8	8
Recorded-Adjusted (Nominal $)					
Labor	1,869	3,756	5,309	7,353	2,507
Non-Labor	8,259	12,475	12,038	15,820	20,759
NSE	0	0	0	0	0
Total	**10,128**	**16,231**	**17,347**	**23,174**	**23,266**
FTE	16.0	29.9	39.0	53.3	16.8
Units	0	2	10	8	8
Vacation & Sick (Nominal $)					
Labor	330	634	843	1,180	443

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00250.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 002500 - CCM Distribution
Unit Measure: SCADA Enhanced Sites

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**330**	**634**	**843**	**1,180**	**443**
FTE	3.0	5.4	6.6	9.3	3.2
Units	0	0	0	0	0
Escalation to 2025$					
Labor	925	974	346	375	0
Non-Labor	3,474	2,768	678	695	0
NSE	0	0	0	0	0
Total	**4,399**	**3,742**	**1,024**	**1,070**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	3,123	5,364	6,499	8,909	2,950
Non-Labor	11,734	15,244	12,716	16,516	20,759
NSE	0	0	0	0	0
Total	**14,857**	**20,607**	**19,214**	**25,424**	**23,709**
FTE	19.0	35.3	45.6	62.6	20.0
Units	0	2	10	8	8

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00250.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 002500 - CCM Distribution
Unit Measure: SCADA Enhanced Sites

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	0	1,080	3,451	6,282	906
Non-Labor	0	0	0	0	2,202
NSE	0	0	0	0	0
Total	**0**	**1,080**	**3,451**	**6,282**	**3,108**
FTE	0.0	7.3	23.0	41.9	4.0
Units	0	2	10	8	8

Detail of Adjustments to Recorded in Nominal $:

Year	Labor	NLbr	NSE	Total	FTE	Units
2021	0	0	0	0	0.0	0

Explanation: Adjustment is to add the unit of measurement related to 2021 costs for this workpaper.

2021 Total	0	0	0	0	0.0	0
2022	1,080	0	0	1,080	7.3	2

Explanation: Adjustment is to add the amount of SCADA enhanced sites completed in 2022 as well as add the costs and FTE count related to the CCM Tracking Order (300828477) that did not get mapped to this workpaper.

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00250.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 002500 - CCM Distribution
Unit Measure: SCADA Enhanced Sites

Year	Labor	NLbr	NSE	Total	FTE	Units
2022 Total	1,080	0	0	1,080	7.3	2
2023	3,451	0	0	3,451	23.0	10
Explanation:	Adjustment is to add the amount of SCADA enhanced sites completed in 2023 as well as add the costs and FTE count related to the CCM Tracking Order (300828477) that did not get mapped to this workpaper.					
2023 Total	3,451	0	0	3,451	23.0	10
2024	6,282	0	0	6,282	41.9	8
Explanation:	Adjustment is to add the amount of SCADA enhanced sites completed in 2024 as well as add the costs and FTE count related to the CCM Tracking Order (300828477) that did not get mapped to this workpaper.					
2024 Total	6,282	0	0	6,282	41.9	8
2025	906	2,202	0	3,108	4.0	8
Explanation:	Adjustment is to align with actual 2025 costs and FTEs as well as add the unit count for the year.					
2025 Total	906	2,202	0	3,108	4.0	8

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group 002500

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00250.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 002500 - CCM Distribution
Workpaper Detail: 002500.001 - CCM Distribution
Unit Measure: SCADA Enhanced Sites

In-Service Date: Not Applicable

Description:

This activity includes enhancing Distribution Regulator Stations with SCADA capabilities which expands Gas Control 's ability to monitor and control these assets. This work supports improved real-time visibility, more efficient operations, and increased operational awareness onto the distribution system.

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	2,330	6,304	6,279	6,280	6,272	6,288
Non-Labor	14,437	16,663	16,663	16,663	16,663	16,663
NSE	0	0	0	0	0	0
Total	**16,767**	**22,967**	**22,942**	**22,943**	**22,935**	**22,951**
FTE	14.8	42.7	42.7	42.7	42.7	42.7
Units	13	13	13	13	13	13

Note: Totals may include rounding differences.

Beginning of Workpaper Group
004050 - CCM Transmission

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00405.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 004050 - CCM Transmission
Unit Measure: Installations

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	Zero-Based	45	506	1,147	1,457	1,202	1,072	1,138	1,840	1,840	1,838	1,841
Non-Labor	Zero-Based	315	1,268	2,373	5,029	3,588	772	1,194	2,812	2,812	2,812	2,742
NSE	Zero-Based	0	0	0	0	0	0	0	0	0	0	0
Total		**360**	**1,774**	**3,520**	**6,487**	**4,790**	**1,844**	**2,332**	**4,652**	**4,652**	**4,650**	**4,583**
FTE	Zero-Based	0.4	3.3	9.4	11.2	9.4	6.9	7.4	12.0	12.0	12.0	12.0
Units	Zero-Based	0	0	0	12	61	50	75	260	260	260	252

Business Purpose:

The purpose of the Control Center Modernization (CCM) project is to enhance system safety and reliability by expanding SoCalGas's visibility and control capabilities across the gas network. The costs presented here reflect the continuation of work authorized in D.19-09-051 and D.24-12-074 to deploy methane sensors in evacuation-challenged High Consequence Areas (HCAs).

Physical Description:

The CCM project plans to install a total of 385 methane sensors in evacuation-challenged High Consequence Areas (HCAs) during the forecast period of 2026–2028. These sensors will be strategically deployed across the gas network to enhance monitoring and control capabilities, supporting system safety and reliability objectives. Detailed information about updates to the HCA Methane Sensor project is contained in supplemental workpaper (Ex. SCG-06-WP-S, Volume IV).

Project Justification:

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	00405.0
Category:	F. CCM Ongoing Programmatic Activities
Category-Sub:	1. Control Center Modernization
Workpaper Group:	004050 - CCM Transmission
Unit Measure:	Installations

The installation of methane sensors under the Control Center Modernization (CCM) initiative supports SoCalGas's commitment to advancing system safety and operational resilience through digital transformation. These strategically deployed sensors are designed to detect methane leaks in evacuation-challenged HCAs and transmit real-time alarms to Gas Control. This capability enhances SoCalGas's ability to rapidly identify and respond to abnormal operating or emergency conditions, aligning with the objectives established in previous GRC proceedings.

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00405.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 004050 - CCM Transmission
Unit Measure: Installations

Forecast Methodology:

Labor - Zero-Based

The TY 2028 labor forecast was developed using a zero-based methodology because historical labor figures reflect the prior sensor design and associated processes. The version of methane sensor presented in this GRC is more cost- effective than the previous version. Labor numbers have been analyzed from previous installations and adjusted to account for the updated installation schedule and updated asset type. The labor forecast consists of costs for internal resources for project management, planning, permitting, site acquisition, and configuration.

Non-Labor - Zero-Based

The TY 2028 non-labor forecast was developed using a zero-based methodology because historical costs reflect the prior sensor design. The updated methane sensor introduced in this GRC has a simplified design that reduces site preparation and associated project requirements, resulting in lower per-unit costs compared to the previous version. The forecast is based on a per-unit cost multiplied by the annual number of targeted HCA methane sensor installations and includes per-site project management and related non-labor costs.

NSE - Zero-Based

There are no non-standard escalation expenses in this workpaper.

Units - Zero-Based

The TY 2028 unit forecast was developed using a zero-based forecast methodology as historical installation figures reflect the prior sensor design. The updated sensors have a streamlined installation process, requiring significantly fewer site modifications comparedd to the previous version, which reduces overall installation time.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00405.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group 004050 - CCM Transmission
Unit Measure: Installations

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	1,035	1,105	1,793	1,793	1,793	1,791	37	33	47	47	45	50	1,072	1,138	1,840	1,840	1,838	1,841
NLbr	772	1,194	2,812	2,812	2,812	2,742	0	0	0	0	0	0	772	1,194	2,812	2,812	2,812	2,742
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**1,807**	**2,299**	**4,605**	**4,605**	**4,605**	**4,533**	**37**	**33**	**47**	**47**	**45**	**50**	**1,844**	**2,332**	**4,652**	**4,652**	**4,650**	**4,583**
FTE	6.9	7.4	12.0	12.0	12.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	7.4	12.0	12.0	12.0	12.0
Units	50	75	260	260	260	252	0	0	0	0	0	0	50	75	260	260	260	252

Forecast Adjustment Details:

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2026	37	0	0	37	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2026 Total	**37**	**0**	**0**	**37**	**0.0**	**0**
2027	33	0	0	33	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2027 Total	**33**	**0**	**0**	**33**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00405.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group 004050 - CCM Transmission
Unit Measure: Installations

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)
2028	47	0	0	47	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2028 Total	**47**	**0**	**0**	**47**	**0.0**	**0**
2029	47	0	0	47	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2029 Total	**47**	**0**	**0**	**47**	**0.0**	**0**
2030	45	0	0	45	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	**45**	**0**	**0**	**45**	**0.0**	**0**
2031	50	0	0	50	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	**50**	**0**	**0**	**50**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00405.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 004050 - CCM Transmission
Unit Measure: Installations

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	27	354	937	1,203	1,022
Non-Labor	222	1,038	2,246	4,818	3,588
NSE	0	0	0	0	0
Total	**249**	**1,392**	**3,184**	**6,020**	**4,609**
FTE	0.3	2.8	8.0	9.5	7.9
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	12	61
Recorded-Adjusted (Nominal $)					
Labor	27	354	937	1,203	1,022
Non-Labor	222	1,038	2,246	4,818	3,588
NSE	0	0	0	0	0
Total	**249**	**1,392**	**3,184**	**6,020**	**4,609**
FTE	0.3	2.8	8.0	9.5	7.9
Units	0	0	0	12	61
Vacation & Sick (Nominal $)					
Labor	5	60	149	193	181

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00405.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 004050 - CCM Transmission
Unit Measure: Installations

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**5**	**60**	**149**	**193**	**181**
FTE	0.1	0.5	1.4	1.7	1.5
Units	0	0	0	0	0
Escalation to 2025$					
Labor	13	92	61	61	0
Non-Labor	93	230	126	212	0
NSE	0	0	0	0	0
Total	**107**	**322**	**188**	**273**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	45	506	1,147	1,457	1,202
Non-Labor	315	1,268	2,373	5,029	3,588
NSE	0	0	0	0	0
Total	**360**	**1,774**	**3,520**	**6,487**	**4,790**
FTE	0.4	3.3	9.4	11.2	9.4
Units	0	0	0	12	61

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00405.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 004050 - CCM Transmission
Unit Measure: Installations

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	12	61

Detail of Adjustments to Recorded in Nominal $:

Year	Labor	NLbr	NSE	Total	FTE	Units
2021	0	0	0	0	0.0	0
Explanation:	Adjustment is to select the unit of measurement for 2021.					
2021	0	0	0	0	0.0	0
Explanation:	Correcting the unit measure as it began showing "miles of pipe" but it should be "installations".					
2021 Total	0	0	0	0	0.0	0
2022 Total	0	0	0	0	0.0	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00405.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 004050 - CCM Transmission
Unit Measure: Installations

Year	Labor	NLbr	NSE	Total	FTE	Units
2023 Total	0	0	0	0	0.0	0
2024	0	0	0	0	0.0	12
Explanation:	Adjustment is to account for the units related to this work which is the total amount of HCA methane sensors installed.					
2024 Total	0	0	0	0	0.0	12
2025	0	0	0	0	0.0	61
Explanation:	Adjustment is to account for the units related to this work which is the total amount of HCA methane sensors installed.					
2025 Total	0	0	0	0	0.0	61

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group 004050

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: 00405.0
Category: F. CCM Ongoing Programmatic Activities
Category-Sub: 1. Control Center Modernization
Workpaper Group: 004050 - CCM Transmission
Workpaper Detail: 004050.001 - CCM Transmission
Unit Measure: Installations

In-Service Date: Not Applicable

Description:

Covers activities to deploy and integrate methane detection sensors within High Consequence Areas on the gas transmission system to enhance safety, leak detection, and operational response. This activity includes installation of methane sensing equipment, integration with centralized control and monitoring systems, and upgrades to associated communications and alarming capabilities

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	1,072	1,138	1,840	1,840	1,838	1,841
Non-Labor	772	1,194	2,812	2,812	2,812	2,742
NSE	0	0	0	0	0	0
Total	**1,844**	**2,332**	**4,652**	**4,652**	**4,650**	**4,583**
FTE	6.9	7.4	12.0	12.0	12.0	12.0
Units	50	75	260	260	260	252

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Category: G. Blowdown Reduction
Workpaper: VARIOUS

Summary for Category: G. Blowdown Reduction

In 2025$ (000) Incurred Costs

	Adjusted-Recorded	Adjusted-Forecast					
	2025	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	628	1,154	1,148	856	856	855	857
Non-Labor	3,553	8,498	8,498	7,788	6,488	6,488	6,488
NSE	0	0	0	0	0	0	0
Total	**4,181**	**9,652**	**9,646**	**8,644**	**7,344**	**7,343**	**7,345**
FTE	4.5	7.0	7.0	5.3	5.3	5.3	5.3
Workpapers belonging to this Category:							
A05900 Blowdown Reduction - Equipment							
Labor	0	0	0	0	0	0	0
Non-Labor	0	0	0	1,300	0	0	0
NSE	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**1,300**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unit Measure: Trailers							
Units	0	0	0	4	0	0	0
A05960 Blowdown Reduction							
Labor	628	1,154	1,148	856	856	855	857
Non-Labor	3,553	8,498	8,498	6,488	6,488	6,488	6,488
NSE	0	0	0	0	0	0	0
Total	**4,181**	**9,652**	**9,646**	**7,344**	**7,344**	**7,343**	**7,345**
FTE	4.5	7.0	7.0	5.3	5.3	5.3	5.3
Unit Measure: Projects							
Units	0	120	120	120	120	120	120

Note: Totals may include rounding differences.

Beginning of Workpaper Group
A05900 - Blowdown Reduction - Equipment

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0590.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05900 - Blowdown Reduction - Equipment
Unit Measure: Trailers

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	Zero-Based	0	0	0	0	0	0	0	0	0	0	0
Non-Labor	Zero-Based	0	0	0	0	0	0	0	1,300	0	0	0
NSE	Zero-Based	0	0	0	0	0	0	0	0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,300**	**0**	**0**	**0**
FTE	Zero-Based	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Units	Zero-Based	0	0	0	0	0	0	0	4	0	0	0

Business Purpose:

The activities completed within this workgroup are categorized as SoCalGas and SDG&E Blowdown Reduction Equipment (Capital). Activities are completed to maintain compliance with D.17-06-015 and D.19-08-020, which were established in response to Senate Bill (SB) 1371.

Physical Description:

The Blowdown Reduction Program includes equipment designed to minimize vented methane emissions associated with construction, maintenance, and operational activities on SoCalGas's and SDG&E's high-pressure pipeline systems. The proposed costs support procurement of medium blowdown reduction trailers. These trailers will replace existing assets that are reaching the end of their useful service lives.

Project Justification:

As mandated by CPUC Best Practices, SoCalGas and SDG&E integrated the Blowdown Reduction Program's mitigation strategies into their operational gas standards, procedures, and sustainability framework. Maintaining compliance with the operational requirements of D.17-06-015 and

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0590.0
Category:	G. Blowdown Reduction
Category-Sub:	1. Blowdown Reduction
Workpaper Group:	A05900 - Blowdown Reduction - Equipment
Unit Measure:	Trailers

D.19-08-020 requires the Emission Strategy Program to continuously monitor and coordinate program and project activities.

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0590.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05900 - Blowdown Reduction - Equipment
Unit Measure: Trailers

Forecast Methodology:

Labor - Zero-Based

Not Applicable

Non-Labor - Zero-Based

A zero-base forecast is utilized for this cost category because this provides the most representative forecast of future costs. The forecast includes the purchase of four medium trailers for blowdown reduction to replace the existing inventory since they are coming to their end-of-life cycles. Historically, 91% of projects were conducted in SoCalGas territory and 9% in SDG&E territory; therefore, 9% of the equipment procurement cost will be covered by SDG&E.

NSE - Zero-Based

Not Applicable

Units - Zero-Based

Trailers

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0590.0
Category:	G. Blowdown Reduction
Category-Sub:	1. Blowdown Reduction
Workpaper Group	A05900 - Blowdown Reduction - Equipment
Unit Measure:	Trailers

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NLbr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Forecast Adjustment Details

Year	Labor ()	NLbr ()	NSE ()	Total	FTE	Units ()
2026 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2027 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2028 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2029 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2030 Total	**0**	**0**	**0**	**0**	**0.0**	**0**
2031 Total	**0**	**0**	**0**	**0**	**0.0**	**0**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0590.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05900 - Blowdown Reduction - Equipment
Unit Measure: Trailers

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Nominal $)					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Vacation & Sick (Nominal $)					
Labor	0	0	0	0	0

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0590.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05900 - Blowdown Reduction - Equipment
Unit Measure: Trailers

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Escalation to 2025$					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0590.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05900 - Blowdown Reduction - Equipment
Unit Measure: Trailers

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0

Year	Labor	NLbr	NSE	Total	FTE	Units

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for
Workpaper Group A05900

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0590.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05900 - Blowdown Reduction - Equipment
Workpaper Detail: A05900.001 - Blowdown Reduction - Equipment
Unit Measure: Trailers

In-Service Date: 06/30/2028

Description:

Procurement of four medium-sized CNG trailers to support blowdown reduction activities.

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	0	0	0	0
Non-Labor	0	0	1,300	0	0	0
NSE	0	0	0	0	0	0
Total	**0**	**0**	**1,300**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0	0.0
Units	0	0	4	0	0	0

Note: Totals may include rounding differences.

Supplemental Workpapers for Workpaper Group A05900

SCG Capital Blowdown Reduction - Equipment Supplemental Workpaper

Workpaper: A05900

Spend	2028	2029	2030	2031
Total Projected Spend	**$1,300,000**	**$0**	**$0**	**$0**
Capital Spend	$1,300,000	$0	$0	$0
CNG Medium Trailers	4	0	0	0

Pipeline	Units	Suggested Tool	Labor	Non-Labor	Total (Capital)
CNG Medium Trailer A	1	Robotic	$ -	$ 325,000	**$ 325,000**
CNG Medium Trailer B	1	Robotic	$ -	$ 325,000	**$ 325,000**
CNG Medium Trailer C	1	Robotic	$ -	$ 325,000	**$ 325,000**
CNG Medium Trailer D	1	Robotic	$ -	$ 325,000	**$ 325,000**
Total	**4**				**$ 1,300,000**

PROJECT COST ASSUMPTIONS

The forecast assumes a unit cost of $325,000 per Compressed Natural Gas (CNG) trailer, based on procurement experience and historical pricing for medium capacity, trailer mounted equipment designed for use on high pressure pipelines. The forecast includes four trailers, reflecting replacement of existing units that are reaching the end of their useful service lives and are no longer suitable to support ongoing construction, maintenance, and integrity management activities. Historically, 91% of projects were conducted in SoCalGas territory and 9% in SDG&E territory; therefore, 9% of the equipment procurement cost will be covered by SDG&E.

Beginning of Workpaper Group
A05960 - Blowdown Reduction

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0596.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05960 - Blowdown Reduction
Unit Measure: Projects

Summary of Results (Constant 2025 $ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	4-YR Average	428	1,121	774	811	628	1,154	1,148	856	856	855	857
Non-Labor	4-YR Average	9,832	10,186	3,675	8,538	3,553	8,498	8,498	6,488	6,488	6,488	6,488
NSE	4-YR Average	0	0	0	0	0	0	0	0	0	0	0
Total		**10,260**	**11,307**	**4,449**	**9,350**	**4,181**	**9,652**	**9,646**	**7,344**	**7,344**	**7,343**	**7,345**
FTE	4-YR Average	4.0	6.3	5.2	5.3	4.5	7.0	7.0	5.3	5.3	5.3	5.3
Units	4-YR Average	0	0	0	0	0	120	120	120	120	120	120

Business Purpose:

The activities completed within this workgroup are categorized as SoCalGas Blowdown Reduction Program (Capital). Activities are completed to maintain compliance with D.17-06-015 and D.19-08-020, which were established in response to Senate Bill (SB) 1371.

Physical Description:

The Blowdown Reduction Program has been responsible for minimizing vented methane emissions associated with construction and maintenance activities on SoCalGas's high-pressure pipeline infrastructure. Operators of natural gas pipeline systems routinely reduce line pressure and discharge gas from pipeline sections to provide safe working conditions during maintenance and repair activities. Mobile compressors and gas capture tanks are used to compress gas from an isolated section of pipeline and transfer it to an adjacent pipeline or gas collection trailer tanks. Equipment is rented for larger volume projects and SoCalGas' equipment inventory is used for smaller volume projects .

Project Justification:

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0596.0
Category:	G. Blowdown Reduction
Category-Sub:	1. Blowdown Reduction
Workpaper Group:	A05960 - Blowdown Reduction
Unit Measure:	Projects

CPUC Resolution G-3605 for SoCalGas's Emission Strategy Program authorizes the blowdown reduction activities to minimize emissions during operation and maintenance of high-pressure pipeline infrastructure. The Blowdown Reduction Program is a key initiative for SoCalGas in achieving emissions reduction goals of 20% through 2025 and 40% by 2030 (SB1371 and SB1383). As mandated by CPUC Best Practices, SoCalGas integrated the Blowdown Reduction Program's mitigation strategies into our operational gas standards , procedures, and sustainability framework. Maintaining compliance with the operational requirements of D.17-06-015 and D.19-08-020 requires ESP to continuously monitor and coordinate program and project activities.

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0596.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05960 - Blowdown Reduction
Unit Measure: Projects

Forecast Methodology:

Labor - 4-YR Average

A 4-year average forecast is utilized for this cost category because it is more accurate than a 2025 base year forecast. The workload in 2025 was interrupted and Capital projects were deferred while SoCalGas waited for the CPUC to issue Resolution G-3605 for SoCalGas's Emission Strategy Program. Notably, the 2026 and 2027 costs are higher than the test year (TY) 2028 costs because the costs for 2026 and 2027 include equipment purchases funded by SB1371 and activity to upgrade two stations up to standard. These stations are utilized by gas capture operations to defuel gas back into our pipeline system.

Non-Labor - 4-YR Average

A 4-year average forecast is utilized for this cost category because it is more accurate than a 2025 base year forecast. The workload in 2025 was interrupted and Capital projects were deferred while SoCalGas waited for the CPUC to issue Resolution G-3605 for SoCalGas's Emission Strategy Program. Notably, the 2026 and 2027 costs are higher than the test year (TY) 2028 costs because the costs for 2026 and 2027 include equipment purchases funded by SB1371 and activity to upgrade two stations up to standard. These stations are utilized by gas capture operations to defuel gas back into our pipeline system.

NSE - 4-YR Average

Not Applicable

Units - 4-YR Average

Projects

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0596.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group A05960 - Blowdown Reduction
Unit Measure: Projects

Summary of Adjustments to Forecast:

In 2025 $ (000)																		
	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
Years	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Labor	834	834	834	834	834	834	320	314	22	22	21	23	1,154	1,148	856	856	855	857
NLbr	6,488	6,488	6,488	6,488	6,488	6,488	2,010	2,010	0	0	0	0	8,498	8,498	6,488	6,488	6,488	6,488
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**7,322**	**7,322**	**7,322**	**7,322**	**7,322**	**7,322**	**2,330**	**2,324**	**22**	**22**	**21**	**23**	**9,652**	**9,646**	**7,344**	**7,344**	**7,343**	**7,345**
FTE	5.3	5.3	5.3	5.3	5.3	5.3	1.7	1.7	0.0	0.0	0.0	0.0	7.0	7.0	5.3	5.3	5.3	5.3
Units	0	0	0	0	0	0	120	120	120	120	120	120	120	120	120	120	120	120

Forecast Adjustment Details:

Year	Labor (4-YR Average)	NLbr (4-YR Average)	NSE (4-YR Average)	Total	FTE	Units (4-YR Average)
2026	280	2,010	0	2,290	1.7	0
Explanation:	Adjustment included to incorporate labor and non-labor costs associated with defueling site upgrades and equipment purchases.					
2026	0	0	0	0	0.0	120
Explanation:	To reflect proper forecasted unit amount.					
2026	40	0	0	40	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2026 Total	**320**	**2,010**	**0**	**2,330**	**1.7**	**120**

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0596.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group A05960 - Blowdown Reduction
Unit Measure: Projects

Year	Labor (4-YR Average)	NLbr (4-YR Average)	NSE (4-YR Average)	Total	FTE	Units (4-YR Average)
2027	280	2,010	0	2,290	1.7	120
Explanation:	Adjustment included to incorporate labor and non-labor costs associated with defueling site upgrades and equipment purchases.					
2027	34	0	0	34	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2027 Total	**314**	**2,010**	**0**	**2,324**	**1.7**	**120**
2028	0	0	0	0	0.0	120
Explanation:	To reflect forecasted units.					
2028	22	0	0	22	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2028 Total	**22**	**0**	**0**	**22**	**0.0**	**120**
2029	0	0	0	0	0.0	120
Explanation:	To reflect forecasted units.					
2029	22	0	0	22	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2029 Total	**22**	**0**	**0**	**22**	**0.0**	**120**
2030	0	0	0	0	0.0	120
Explanation:	To reflect forecasted unitst.					

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0596.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group A05960 - Blowdown Reduction
Unit Measure: Projects

Year	Labor (4-YR Average)	NLbr (4-YR Average)	NSE (4-YR Average)	Total	FTE	Units (4-YR Average)
2030	21	0	0	21	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	**21**	**0**	**0**	**21**	**0.0**	**120**
2031	0	0	0	0	0.0	120
Explanation:	To reflect forecasted units.					
2031	23	0	0	23	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	**23**	**0**	**0**	**23**	**0.0**	**120**

Note: Totals may include rounding differences.

Area:	GAS MAJOR PROJECTS
Witness:	Devin K. Zornizer
Budget Code:	A0596.0
Category:	G. Blowdown Reduction
Category-Sub:	1. Blowdown Reduction
Workpaper Group:	A05960 - Blowdown Reduction
Unit Measure:	Projects

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal $)*					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Adjustments (Nominal $) **					
Labor	256	785	632	670	534
Non-Labor	6,921	8,336	3,479	8,179	3,553
NSE	0	0	0	0	0
Total	**7,177**	**9,121**	**4,111**	**8,849**	**4,087**
FTE	3.4	5.3	4.4	4.5	3.8
Units	0	0	0	0	0
Recorded-Adjusted (Nominal $)					
Labor	256	785	632	670	534
Non-Labor	6,921	8,336	3,479	8,179	3,553
NSE	0	0	0	0	0
Total	**7,177**	**9,121**	**4,111**	**8,849**	**4,087**
FTE	3.4	5.3	4.4	4.5	3.8
Units	0	0	0	0	0
Vacation & Sick (Nominal $)					
Labor	45	132	100	107	94

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0596.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05960 - Blowdown Reduction
Unit Measure: Projects

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	**45**	**132**	**100**	**107**	**94**
FTE	0.6	1.0	0.8	0.8	0.7
Units	0	0	0	0	0
Escalation to 2025$					
Labor	127	204	41	34	0
Non-Labor	2,911	1,850	196	359	0
NSE	0	0	0	0	0
Total	**3,038**	**2,053**	**237**	**394**	**0**
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025$)					
Labor	428	1,121	774	811	628
Non-Labor	9,832	10,186	3,675	8,538	3,553
NSE	0	0	0	0	0
Total	**10,260**	**11,307**	**4,449**	**9,350**	**4,181**
FTE	4.0	6.3	5.2	5.3	4.5
Units	0	0	0	0	0

* 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.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0596.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05960 - Blowdown Reduction
Unit Measure: Projects

Summary of Adjustments to Recorded:

In Nominal $(000)					
Years	**2021**	**2022**	**2023**	**2024**	**2025**
Labor	256	785	632	670	534
Non-Labor	6,921	8,336	3,479	8,179	3,553
NSE	0	0	0	0	0
Total	**7,177**	**9,121**	**4,111**	**8,849**	**4,087**
FTE	3.4	5.3	4.4	4.5	3.8
Units	0	0	0	0	0

Detail of Adjustments to Recorded in Nominal $:

Year	Labor	NLbr	NSE	Total	FTE	Units
2021	19	2,599	0	2,618	0.2	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program to Major Projects.					
2021	173	1,484	0	1,657	1.5	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program Budget Code 596 to Major Projects.					
2021	64	2,838	0	2,902	1.7	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program Budget Code 597 to Major Projects.					

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0596.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05960 - Blowdown Reduction
Unit Measure: Projects

Year	Labor	NLbr	NSE	Total	FTE	Units
2021 Total	256	6,921	0	7,177	3.4	0
2022	68	3,796	0	3,863	0.6	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program to Major Projects.					
2022	717	3,943	0	4,660	4.7	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program Budget Code 596 to Major Projects.					
2022	0.277	597	0	598	0.0	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program Budget Code 597 to Major Projects.					
2022 Total	785	8,336	0	9,121	5.3	0
2023	30	1,173	0	1,202	0.3	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program to Major Projects.					
2023	586	2,284	0	2,870	4.0	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program Budget Code 596 to Major Projects.					
2023	16	23	0	39	0.1	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program Budget Code 597 to Major Projects.					
2023 Total	632	3,479	0	4,111	4.4	0

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0596.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05960 - Blowdown Reduction
Unit Measure: Projects

Year	Labor	NLbr	NSE	Total	FTE	Units
2024	60	3,013	0	3,073	0.5	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program to Major Projects.					
2024	504	4,946	0	5,450	3.4	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program Budget Code 596 to Major Projects.					
2024	106	220	0	326	0.6	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program Budget Code 597 to Major Projects.					
2024 Total	670	8,179	0	8,849	4.5	0
2025	44	823	0	866	0.3	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program to Major Projects.					
2025	473	2,818	0	3,291	3.4	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program to Major Projects.					
2025	17	87	0	104	0.1	0
Explanation:	Transfer of Blowdown capital projects costs from Emissions Strategy Program to Major Projects.					
2025	0	-175	0	-175	0.0	0
Explanation:	Transfer of Non-Labor for SDGE Blowdown O&M costs from cost center 2200-2011.000 to 2200-0610.002 to align costs with where the roles reside and are forecasted.					

Note: Totals may include rounding differences.

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0596.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05960 - Blowdown Reduction
Unit Measure: Projects

Year	Labor	NLbr	NSE	Total	FTE	Units
2025 Total	534	3,553	0	4,087	3.8	0

Note: Totals may include rounding differences.

Beginning of Workpaper Sub Details for Workpaper Group A05960

Area: GAS MAJOR PROJECTS
Witness: Devin K. Zornizer
Budget Code: A0596.0
Category: G. Blowdown Reduction
Category-Sub: 1. Blowdown Reduction
Workpaper Group: A05960 - Blowdown Reduction
Workpaper Detail: A05960.001 - BLOWDOWN REDUCTION
Unit Measure: Projects

In-Service Date: Not Applicable

Description:

The Blowdown Reduction activities encompasses both labor and non-labor expenditures necessary to implement and sustain SoCalGas's blowdown operations, which support compliance with the Natural Gas Leak Abatement Decisions.

Forecast In 2025 $(000)

Years	2026	2027	2028	2029	2030	2031
Labor	1,154	1,148	856	856	855	857
Non-Labor	8,498	8,498	6,488	6,488	6,488	6,488
NSE	0	0	0	0	0	0
Total	**9,652**	**9,646**	**7,344**	**7,344**	**7,343**	**7,345**
FTE	7.0	7.0	5.3	5.3	5.3	5.3
Units	120	120	120	120	120	120

Note: Totals may include rounding differences.