

SOUTHERN CALIFORNIA GAS COMPANY

Risk Assessment and Mitigation Phase

2025 Report

Chapter: SCG-Risk-3

Number: SCG-R03-WP

Medium Pressure Gas System O&M Workpapers

SOUTHERN CALIFORNIA GAS COMPANY

May 15, 2025



2025 Risk Assessment & Mitigation Phase

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Summary of Risk Chapter: 2OR03 - SCG-Risk-3 Medium Pressure Gas System

In 2024 \$ (000s) Incurred Costs												
	Adjusted Recorded					Adjusted Forecast						
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Control/Mitigation	118,588	121,982	107,638	101,314	88,545	98,861	104,873	104,646	150,465	150,226	148,816	147,774
Units	See detailed pages for Units as the unit measure can vary for each mitigation.											

Note: Totals may include rounding differences.

Risk Chapter: **SCG-Risk-3 Medium Pressure Gas System**

Risk ID: **2OR03**

In 2024 \$ (000s) Incurred Costs

Mitigation		Unit Measure	Adjusted Recorded					Adjusted Forecast						
ID	Name		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
C103	Cathodic Protection Base Ac	Work orders	14,109	16,041	13,791	12,748	12,102	12,102	12,102	12,102	12,102	12,102	12,102	12,102
C106	Cathodic Protection- CP10 A	CP and follc	1,647	2,482	1,569	1,300	1,328	1,665	1,665	1,665	1,665	1,665	1,665	1,665
C116	M&R Station and EPM Inspe	Work orders	3,869	3,979	4,029	3,407	3,988	3,855	3,855	3,855	3,855	3,855	3,855	3,855
C120	Distribution Riser Inspection	Inspections	24,441	23,202	21,602	22,259	20,468	24,909	27,886	27,604	26,056	25,948	26,004	24,676
C121	Gas Infrastructure Protection	Mitigations	2,645	1,243	1,243	1,039	1,471	1,442	1,611	1,624	1,522	1,514	0	0
C122	Sewer Lateral Inspection Pro	Inspections	19,444	20,566	19,420	17,529	13,260	19,965	22,318	22,564	21,113	20,998	21,004	21,222
C129	Cathodic Protection System	No feasible	459	542	521	292	235	407	456	467	537	535	555	562
C130	MSA Inspection and Mainte	Work orders	1,756	1,605	1,711	1,621	1,618	1,618	1,618	1,618	1,618	1,618	1,618	1,618
C134	Pipeline Monitoring	Work orders	926	826	792	793	868	868	868	868	868	868	868	868
C159	Quality Assurance Gas Distr	FTEs	0	0	0	0	0	0	0	0	331	331	331	331
C178	Distribution Leak Survey	Feet	7,663	7,805	7,622	7,524	7,880	7,880	7,880	7,880	16,393	16,393	16,393	16,393
C179	Distribution Main & Service I	Leaks Repa	32,502	37,127	29,136	24,459	20,364	20,364	20,364	20,364	60,528	60,528	60,528	60,528
C182	Distribution Risk Evaluation	No feasible	9,127	6,564	6,202	8,343	4,963	3,786	4,250	4,035	3,877	3,871	3,893	3,954

Units

Mitigation		Unit Measure	Adjusted Recorded					Adjusted Forecast						
ID	Name		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
C103	Cathodic Protection Base Ac	Work orders	40,040	40,757	39,361	36,337	38,403	38,403	38,403	38,403	38,403	38,403	38,403	38,403
C106	Cathodic Protection- CP10 A	CP and follc	36,085	37,051	34,848	34,993	34,651	35,525	35,525	35,525	35,525	35,525	35,525	35,525
C116	M&R Station and EPM Inspe	Work orders	5,204	6,227	6,443	5,257	6,437	5,913	5,913	5,913	5,913	5,913	5,913	5,913
C120	Distribution Riser Inspection	Inspections	194,446	196,886	207,533	211,432	197,953	357,953	337,953	277,953	237,953	217,953	207,953	202,953
C121	Gas Infrastructure Protection	Mitigations	0	0	0	0	0	0	0	0	0	0	0	0
C122	Sewer Lateral Inspection Pro	Inspections	62,835	66,411	76,274	72,657	53,249	86,249	86,249	86,249	86,249	86,249	86,249	86,249
C129	Cathodic Protection System	No feasible	0	0	0	0	0	0	0	0	0	0	0	0

Note: Totals may include rounding differences. Mitigation IDs preceded by an asterisk (*) have units in (000s).

Risk Chapter: **SCG-Risk-3 Medium Pressure Gas System**
Risk ID: **2OR03**

Units

Mitigation		Unit Measure	Adjusted Recorded					Adjusted Forecast						
ID	Name		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
C130	MSA Inspection and Mainte	Work orders	7,172	7,693	7,220	6,089	6,316	6,316	6,316	6,316	6,316	6,316	6,316	6,316
C134	Pipeline Monitoring	Work orders	5,245	4,667	4,800	4,787	5,081	5,081	5,081	5,081	5,081	5,081	5,081	5,081
C159	Quality Assurance Gas Distr	FTEs	0	0	0	0	0	0	0	0	3	3	3	3
*C178	Distribution Leak Survey	Feet	124,141	125,289	127,175	126,430	123,569	123,569	123,569	123,569	143,474	143,474	143,474	143,474
C179	Distribution Main & Service l	Leaks Repa	13,216	12,685	13,475	6,083	6,162	6,162	6,162	6,162	12,672	12,672	12,672	12,672
C182	Distribution Risk Evaluation	No feasible	0	0	0	0	0	0	0	0	0	0	0	0

Note: Totals may include rounding differences. Mitigation IDs preceded by an asterisk (*) have units in (000s).

Risk Chapter: **SCG-Risk-3 Medium Pressure Gas System**

Risk ID: **2OR03**

Appendix A: Forecast Methodology

Mitigation ID	Mitigation Name	Labor	Non-Labor	NSE	Units
C103	Cathodic Protection Base Activities	Base YR Rec	Base YR Rec	Base YR Rec	Base YR Rec
C106	Cathodic Protection- CP10 Activities	5-YR Average	5-YR Average	5-YR Average	5-YR Average
C116	M&R Station and EPM Inspection and Maintenance	5-YR Average	5-YR Average	5-YR Average	5-YR Average
C120	Distribution Riser Inspection Program (DRIP)	Base YR Rec	Base YR Rec	Base YR Rec	Base YR Rec
C121	Gas Infrastructure Protection Program (GIPP)	Base YR Rec	Base YR Rec	Base YR Rec	Base YR Rec
C122	Sewer Lateral Inspection Project (SLIP)	Base YR Rec	Base YR Rec	Base YR Rec	Base YR Rec
C129	Cathodic Protection System Improvement	Base YR Rec	Base YR Rec	Base YR Rec	Base YR Rec
C130	MSA Inspection and Maintenance	Base YR Rec	Base YR Rec	Base YR Rec	Base YR Rec
C134	Pipeline Monitoring	Base YR Rec	Base YR Rec	Base YR Rec	Base YR Rec
C159	Quality Assurance Gas Distribution Assets	Base YR Rec	Base YR Rec	Base YR Rec	Base YR Rec
C178	Distribution Leak Survey	Base YR Rec	Base YR Rec	Base YR Rec	Base YR Rec
C179	Distribution Main & Service Leak Repair	Base YR Rec	Base YR Rec	Base YR Rec	Base YR Rec
C182	Distribution Risk Evaluation & Monitoring System (DREAMS)	Base YR Rec	Base YR Rec	Base YR Rec	Base YR Rec

Risk Chapter: **SCG-Risk-3 Medium Pressure Gas System**

Risk ID: **2OR03**

Appendix B: Unit Measure

Mitigation ID	Mitigation Name	Unit Measure
C103	Cathodic Protection Base Activities	Work orders
C106	Cathodic Protection- CP10 Activities	CP and follow up reads
C116	M&R Station and EPM Inspection and Maintenance	Work orders
C120	Distribution Riser Inspection Program (DRIP)	Inspections
C121	Gas Infrastructure Protection Program (GIPP)	Mitigations
C122	Sewer Lateral Inspection Project (SLIP)	Inspections
C129	Cathodic Protection System Improvement	No feasible units
C130	MSA Inspection and Maintenance	Work orders
C134	Pipeline Monitoring	Work orders
C159	Quality Assurance Gas Distribution Assets	FTEs
C178	Distribution Leak Survey	Feet
C179	Distribution Main & Service Leak Repair	Leaks Repaired
C182	Distribution Risk Evaluation & Monitoring System (DREAMS)	No feasible units