

SAN DIEGO GAS & ELECTRIC COMPANY

Risk Assessment and Mitigation Phase

2025 Report

Chapter: SDG&E-Risk-3

Number: SDG&E-R03-CWP

Medium Pressure Gas System Capital Workpapers

SAN DIEGO GAS & ELECTRIC COMPANY

May 15, 2025



2025 Risk Assessment & Mitigation Phase

INDEX OF RISK CHAPTER

Risk Chapter 1CR03: SDG&E-RISK-3 MEDIUM PRESSURE GAS SYSTEM

DOCUMENT	PAGE
Summary of Risk Chapter	1
Mitigations: Incurred Costs & Units	2
Supplemental Workpaper	3
<i>Appendix A: Forecast Methodology</i>	5
<i>Appendix B: Unit Measure</i>	6

Summary of Risk Chapter: 1CR03 - SDG&E-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	109,655	170,560	159,021	129,296	136,778	82,014	105,240	106,040	103,533	104,118	104,855	102,725
Alternative Mitigation	0	0	0	0	0	22,800	22,800	22,800	22,800	22,800	22,800	22,800
Units	See detailed pages for Units as the unit measure can vary for each mitigation.											

Note: Totals may include rounding differences.

Risk Chapter: **SDG&E-Risk-3 Medium Pressure Gas System**

Risk ID: **1CR03**

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
A106	CP10 Service Replacement	Projects	0	0	0	0	0	18,000	18,000	18,000	18,000	18,000	18,000	18,000
A118	Strategic Valve Replacemen	Projects	0	0	0	0	0	4,800	4,800	4,800	4,800	4,800	4,800	4,800
C007	Underperforming Mains and	Feet	13,745	59,882	45,526	22,362	18,268	9,246	9,246	9,246	9,246	9,246	9,246	9,246
C107	Cathodic Protection Progran	Projects	7,793	9,970	6,608	6,873	7,293	5,252	5,121	4,989	4,464	4,464	4,596	4,596
C124	Regulator Station Installatio	Projects	1,634	878	1,844	2,970	5,091	4,788	4,788	4,560	4,788	5,016	5,244	2,736
C131	Leak Repair	Leaks Repa	15,042	13,716	16,042	12,606	16,466	13,981	13,706	13,389	14,087	14,320	14,574	14,827
C139	GD Safety Relocations	Projects	1,068	2,650	3,265	2,147	1,820	2,237	2,170	2,104	67	67	67	67
C150	Code Compliance Mitigation	Projects	2,135	1,989	2,097	1,495	3,104	4,330	4,288	4,245	3,827	3,898	3,968	4,041
C175	Residential Meter Protection	Projects	2,022	2,230	4,450	2,313	2,362	1,363	1,345	1,318	2,718	2,771	2,824	2,876
C182	Distribution Risk Evaluation	Miles	66,216	79,245	79,188	78,530	82,375	40,817	64,576	66,189	64,336	64,336	64,336	64,336

Units

Mitigation		Unit Measure	Adjusted Recorded					Adjusted Forecast						
ID	Name		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
A106	CP10 Service Replacement	Projects	0	0	0	0	0	900	900	900	900	900	900	900
A118	Strategic Valve Replacemen	Projects	0	0	0	0	0	24	24	24	24	24	24	24
C007	Underperforming Mains and	Feet	16,015	117,964	138,626	50,216	49,218	25,708	25,708	25,708	25,708	25,708	25,708	25,708
C107	Cathodic Protection Progran	Projects	57	78	70	83	73	40	39	38	34	34	35	35
C124	Regulator Station Installatio	Projects	6	7	3	19	3	21	21	20	21	22	23	12
C131	Leak Repair	Leaks Repa	769	787	923	504	472	661	648	633	666	677	689	701
C139	GD Safety Relocations	Projects	26	68	64	75	34	67	65	63	2	2	2	2
C150	Code Compliance Mitigation	Projects	1,277	2,083	1,368	2,152	1,622	2,021	2,001	1,981	1,786	1,819	1,852	1,886
C175	Residential Meter Protection	Projects	87	805	1,479	1,514	2,908	967	954	935	1,928	1,965	2,003	2,040
C182	Distribution Risk Evaluation	Miles	51	52	55	56	58	43	43	41	41	41	41	41

Note: Totals may include rounding differences.

Supplemental Workpapers

**San Diego Gas and Electric -- Medium Pressure Gas System
Supplemental Workpaper for RAMP - 1CR03 - CWP**

[A]	[B]	[C]	[D]	Forecast (Thousands of 2024\$)													
				2025		2026		2027		2028		2029		2030		2031	
				[E]	[F] [ExD]	[G]	[H] [GxD]	[I]	[J] [IxD]	[I]	[J] [IxD]	[I]	[J] [IxD]	[I]	[J] [IxD]	[I]	[J] [IxD]
Workpaper Detail:	RAMP Activity	Unit	Unit Cost	Forecast Units	Forecast	Forecast Units	Forecast	Forecast Units	Forecast	Forecast Units	Forecast	Forecast Units	Forecast	Forecast Units	Forecast	Forecast Units	Forecast
1CR03C007	Underperforming Main & Services	# of feet removed	\$ 0.36	25,708	\$ 9,246	25,708	\$ 9,246	25,708	\$ 9,246	25,708	\$ 9,246	25,708	\$ 9,246	25,708	\$ 9,246	25,708	\$ 9,246
1CR03C107	Cathodic Protection	# of Projects	\$ 131.30	40	\$5,252	39	\$5,121	38	\$4,989	34	\$4,464	34	\$4,464	35	\$4,596	35	\$4,596
1CR03C124	Regulator Station Installation, Replacement & Enhancement	# of Projects	\$ 227.98	21	\$4,788	21	\$4,788	20	\$4,560	21	\$4,788	22	\$5,016	23	\$5,244	12	\$2,736
1CR03C131	Leak Repair- Capital	# of leaks repaired	\$ 21.15	661	\$13,981	648	\$13,706	633	\$13,389	666	\$14,087	677	\$14,320	689	\$14,574	701	\$14,827
1CR03C139	Gas Distribution Relocations	# of projects	\$ 33.39	67	\$2,237	65	\$2,170	63	\$2,104	2	\$67	2	\$67	2	\$67	2	\$67
1CR03C150	Code Compliance	# of projects	\$ 2.14	2,021	\$4,330	2,001	\$4,288	1,981	\$4,245	1,786	\$3,827	1,819	\$3,898	1,852	\$3,968	1,886	\$4,041
1CR03C175	Residential Meter Protection	# of projects	\$ 1.41	967	\$1,363	954	\$1,345	935	\$1,318	1,928	\$2,718	1,965	\$2,771	2,003	\$2,824	2,040	\$2,876

Notes: Amounts include vacation and sick leave.

Supplemental Workpaper for RAMP - 1CR03A - CWP

[A]	[B]	[C]	[D]	Forecast (Thousands of 2024\$)													
				2025		2026		2027		2028		2029		2030		2031	
				[E]	[F] [ExD]	[G]	[H] [GxD]	[I]	[J] [IxD]	[I]	[J] [IxD]	[I]	[J] [IxD]	[I]	[J] [IxD]	[I]	[J] [IxD]
Workpaper Detail:	Alternative Mitigations	Unit	Unit Cost	Forecast Units	Forecast	Forecast Units	Forecast	Forecast Units	Forecast	Forecast Units	Forecast	Forecast Units	Forecast	Forecast Units	Forecast	Forecast Units	Forecast
1CR03A106	CP10 Service Replacement	# of projects	\$ 20.00	900	\$18,000	900	\$18,000	900	\$18,000	900	\$18,000	900	\$18,000	900	\$18,000	900	\$18,000
1CR03A118	Strategic Valve Replacement Instalations	# of projects	\$ 200.00	24	\$4,800	24	\$4,800	24	\$4,800	24	\$4,800	24	\$4,800	24	\$4,800	24	\$4,800

Notes: Amounts include vacation and sick leave.

Appendix A: Forecast Methodology

Mitigation ID	Mitigation Name	Labor	Non-Labor	NSE	Units
A106	CP10 Service Replacement	Zero-Based	Zero-Based	Zero-Based	Zero-Based
A118	Strategic Valve Replacement Installations	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C007	Underperforming Mains and Services	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C107	Cathodic Protection Program - Capital	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C124	Regulator Station Installation Replacement & Enhancement	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C131	Leak Repair	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C139	GD Safety Relocations	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C150	Code Compliance Mitigation	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C175	Residential Meter Protection	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C182	Distribution Risk Evaluation & Monitoring System (DREAMS)	Base YR Rec	Base YR Rec	Base YR Rec	Base YR Rec

Risk Chapter: SDG&E-Risk-3 Medium Pressure Gas System

Risk ID: 1CR03

Appendix B: Unit Measure

Mitigation ID	Mitigation Name	Unit Measure
A106	CP10 Service Replacement	Projects
A118	Strategic Valve Replacement Installations	Projects
C007	Underperforming Mains and Services	Feet
C107	Cathodic Protection Program - Capital	Projects
C124	Regulator Station Installation Replacement & Enhancement	Projects
C131	Leak Repair	Leaks Repaired
C139	GD Safety Relocations	Projects
C150	Code Compliance Mitigation	Projects
C175	Residential Meter Protection	Projects
C182	Distribution Risk Evaluation & Monitoring System (DREAMS)	Miles