#### SAN DIEGO GAS & ELECTRIC COMPANY

Risk Assessment and Mitigation Phase 2025 Report

Chapter: SDG&E-Risk-3 Number: SDG&E-R03-WP

## Medium Pressure Gas System O&M Workpapers

### SAN DIEGO GAS & ELECTRIC COMPANY

May 15, 2025



#### 2025 Risk Assessment & Mitigation Phase

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#### Summary of Risk Chapter: 10R03 - 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	18,476	18,921	17,933	16,530	17,315	17,415	17,729	17,834	18,334	18,438	18,645	18,753	
Units	its See detailed pages for Units as the unit measure can vary for each mitigation.												

**Note:** Totals may include rounding differences.

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#### In 2024 \$ (000s) Incurred Costs

	Mitigation			Adju	sted Reco	rded		Adjusted Forecast								
ID	Name	Measure	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031		
C005	Gas Distribution Emergency	Responses	2,239	2,319	1,477	1,893	1,555	1,641	1,641	1,641	1,641	1,641	1,641	1,641		
C101	Cathodic Protection Progran	CP and follo	2,109	2,338	2,357	2,138	2,278	2,258	2,258	2,258	2,258	2,258	2,258	2,258		
C115	Regulator Station Valve and	Inspections	2,951	2,961	3,113	3,093	3,117	3,194	3,272	3,353	3,436	3,521	3,608	3,697		
C131	Leak Repair	Leaks Repa	2,538	3,026	2,775	2,674	3,313	3,313	3,313	3,313	3,313	3,313	3,313	3,313		
C134	Pipeline Monitoring	Inspections	3,516	3,609	4,302	3,924	4,173	4,173	4,173	4,173	4,173	4,173	4,173	4,173		
C144	Human Factors Mitigation –	Employees	3	91	120	166	142	142	142	142	142	142	142	142		
C169	Human Factors Mitigations -	OpQuals Tra	2,767	2,092	2,118	2,148	2,077	2,116	2,337	2,337	2,337	2,337	2,337	2,337		
C182	Distribution Risk Evaluation	No feasible	2,353	2,485	1,671	494	660	578	593	617	1,034	1,053	1,173	1,192		

#### Units

8	C182	Distribution Risk Evaluation	No feasible	2,353	2,485	1,671	494	660	578	593	617	1,034	1,053	1,173	1,192	
J&E							Unit	s								
3 -10		Mitigation	Unit		Adju	sted Reco	rded		Adjusted Forecast							
RO3	ID	Name	Measure	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
₽	C005	Gas Distribution Emergency	Responses	1,538	1,452	1,546	1,313	1,591	1,483	1,483	1,483	1,483	1,483	1,483	1,483	
	C101	Cathodic Protection Progran	CP and follo	25,730	23,272	27,009	26,175	23,376	25,520	25,520	25,520	25,520	25,520	25,520	25,520	
	C115	Regulator Station Valve and	Inspections	5,434	4,471	5,769	6,000	5,673	5,813	5,956	6,103	6,254	6,408	6,566	6,728	
	C131	Leak Repair	Leaks Repa	437	325	336	494	860	860	860	860	860	860	860	860	
	C134	Pipeline Monitoring	Inspections	941	904	912	975	972	972	972	972	972	972	972	972	
	C144	Human Factors Mitigation –	Employees	2	2	3	3	4	4	4	4	4	4	4	4	
	C169	Human Factors Mitigations -	OpQuals Tra	834	922	1,290	836	899	956	1,056	1,056	1,056	1,056	1,056	1,056	
	C182	Distribution Risk Evaluation	No feasible	0	0	0	0	0	0	0	0	0	0	0	0	

**Note:** Totals may include rounding differences.

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**Supplemental Workpapers** 

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#### San Diego Gas and Electric -- Medium Pressure Gas System Supplemental Workpaper for RAMP - 10R03 - WP

				Forecast (Thousands of 2024\$)								\$)					
				20	25	2026		2027		2028		2029		2030		2031	
[A]	[B]	[C]	[D]	[E]	[F] [ExD]	[G]	[H] [GxD]	[1]	[J] [IxD]	[1]	[J] [lxD]	[1]	[J] [IxD]	[1]	[J] [lxD]	[1]	[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
1OR03C005	Gas Emergency Department	# of responses	\$ 1.11	1,483	\$ 1,641	1,483	\$ 1,641	1,483	\$ 1,641	1,483	\$ 1,641	1,483	\$ 1,641	1,483	\$ 1,641	1,483	\$ 1,641
10R03C101	Cathodic Protection - O&M	# of CP reads	\$ 0.09	25,520	\$2,258	25,520	\$2,258	25,520	\$2,258	25,520	\$2,258	25,520	\$2,258	25,520	\$2,258	25,520	\$2,258
10R03C115	Reg Station, Valve, Large Meter Set Inspections	# of Inspections	\$ 0.55	5,813	\$3,194	5,956	\$3,272	6,103	\$3,353	6,254	\$3,436	6,408	\$3,521	6,566	\$3,608	6,728	\$3,697
10R03C131	Leak Repair - O&M	# of leaks repaired	\$ 3.85	860	\$3,313	860	\$3,313	860	\$3,313	860	\$3,313	860	\$3,313	860	\$3,313	860	\$3,313
10R03C134	Pipeline Monitoring	# of surveys	\$4.29	972	\$4,173	972	\$4,173	972	\$4,173	972	\$4,173	972	\$4,173	972	\$4,173	972	\$4,173
1	Human Factors Mitigations - QA/QC Program - Mandated Compliance Activities	# of employees	\$ 35.50	4	\$142	4	\$142	4	\$142	4	\$142	4	\$142	4	\$142	4	\$142
10R03C169	Human Factors Mitigation - OpQual Training	# of OpQuals Trained	\$ 2.21	956	\$2,116	1,056	\$2,337	1,056	\$2,337	1,056	\$2,337	1,056	\$2,337	1,056	\$2,337	1,056	\$2,337

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Notes: Amounts include vacation and sick leave.

Risk ID:

10R03

#### Appendix A: Forecast Methodology

Mitigation ID	Mitigation Name	Labor	Non-Labor	NSE	Units
C005	Gas Distribution Emergency Department	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C101	Cathodic Protection Program - O&M	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C115	Regulator Station Valve and Large Meter Set Inspection	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C131	Leak Repair	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C134	Pipeline Monitoring	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C144	Human Factors Mitigation – QA/QC Program – Mandated Compliance A	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C169	Human Factors Mitigations - Op. Qual. Training	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 ID: 10R03

#### Appendix B: Unit Measure

Mitigation ID	Mitigation Name	Unit Measure
C005	Gas Distribution Emergency Department	Responses
C101	Cathodic Protection Program - O&M	CP and follow up reads
C115	Regulator Station Valve and Large Meter Set Inspection	Inspections
C131	Leak Repair	Leaks Repaired
C134	Pipeline Monitoring	Inspections & Surveys
C144	Human Factors Mitigation – QA/QC Program – Mandated Compliance Activities	Employees
C169	Human Factors Mitigations - Op. Qual. Training	OpQuals Trained
C182	Distribution Risk Evaluation & Monitoring System (DREAMS)	No feasible units

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