

SAN DIEGO GAS & ELECTRIC COMPANY

Risk Assessment and Mitigation Phase

2025 Report

Chapter: SDG&E-Risk-5

Number: SDG&E-R05-WP

Electric Infrastructure Integrity O&M Workpapers

SAN DIEGO GAS & ELECTRIC COMPANY

May 15, 2025



2025 Risk Assessment & Mitigation Phase

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Risk Chapter 1OR05: SDG&E-RISK-5 ELECTRIC INFRASTRUCTURE INTEGRITY

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Summary of Risk Chapter: 1OR05 - SDG&E-Risk-5 Electric Infrastructure Integrity

In 2024 \$ (000s) Incurred Costs												
	Adjusted Recorded					Adjusted Forecast						
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Control/Mitigation	52,452	39,988	37,985	41,690	44,047	43,811	45,288	46,822	48,416	50,070	51,788	53,573
Units	See detailed pages for Units as the unit measure can vary for each mitigation.											

Note: Totals may include rounding differences.

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
C215	Electric Public Safety Comm	No feasible	1,997	2,924	585	911	395	1,363	1,363	1,363	1,363	1,363	1,363	1,363
C267	Damage Prevention Activitie	Tickets	3,700	3,797	3,923	4,117	4,729	4,499	4,712	4,934	5,167	5,410	5,665	5,932
C268	Substation Inspection and M	Inspections	2,122	1,963	2,205	2,679	1,656	2,180	2,180	2,180	2,180	2,180	2,180	2,180
C551	Prune and Removal (Cleara	Trees trimm	39,763	27,152	25,530	28,528	30,337	28,249	29,268	30,326	31,423	32,562	33,743	34,970
C554	Detailed Inspections	Trees inspe	3,273	2,864	4,384	3,673	3,724	4,334	4,502	4,677	4,859	5,048	5,245	5,449
C578	QA/QC of Veg Mgmt	No feasible	1,597	1,288	1,358	1,782	3,206	3,186	3,263	3,342	3,424	3,507	3,592	3,679

Units

Mitigation		Unit Measure	Adjusted Recorded					Adjusted Forecast						
ID	Name		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
C215	Electric Public Safety Comm	No feasible	0	0	0	0	0	0	0	0	0	0	0	0
C267	Damage Prevention Activitie	Tickets	166,070	151,106	171,360	203,026	193,436	202,557	212,108	222,110	232,583	243,549	255,033	267,059
C268	Substation Inspection and M	Inspections	1,292	3,146	2,790	3,363	0	2,051	2,051	2,051	2,051	2,051	2,051	2,051
C551	Prune and Removal (Cleara	Trees trimm	104,830	94,400	95,115	83,245	90,885	91,336	91,336	91,336	91,336	91,336	91,336	91,336
C554	Detailed Inspections	Trees inspe	225,604	251,066	254,555	257,313	261,975	255,000	255,000	255,000	255,000	255,000	255,000	255,000
C578	QA/QC of Veg Mgmt	No feasible	0	0	0	0	0	0	0	0	0	0	0	0

Note: Totals may include rounding differences.

Supplemental Workpapers

San Diego Gas and Electric -- Electric Infrastructure Integrity
Supplemental Workpaper for RAMP - 1OR05 - WP

Forecast (Thousands of 2024\$)																	
[A]	[B]	[C]	[D]	2025		2026		2027		2028		2029		2030		2031	
				[E]	[F] [ExD]	[G]	[H] [GxD]	[I]	[J] [IxD]	[K]	[L] [KxD]	[M]	[N] [MxD]	[O]	[P] [OxD]	[Q]	[R] [QxD]
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
1OR05C267	Damage Prevention Activities - Electric Underground (UG)	# of tickets	\$ 0.02	202,557	\$ 4,500	212,108	\$ 4,712	222,110	\$ 4,934	232,583	\$ 5,167	243,549	\$ 5,410	255,033	\$ 5,665	267,059	\$ 5,932

Notes: Amounts include vacation and sick leave.

Risk Chapter
Risk ID:

SDG&E-Risk-5-EII
10R05C554 - SDG&E-Risk-5 Electric Infrastructure Integrity Detailed Inspections
10R05C578 - SDG&E-Risk-5 Electric Infrastructure Integrity QA/QC of Veg Mgmt
10R05C551 - SDG&E-Risk-5 Electric Infrastructure Integrity Prune and Removal (Clearance)

		Model							
Contractor		2025		2026		2027		2028	
Vendor 1	\$	8,922,225.65	\$	9,276,438.01	\$	9,644,712.60	\$	10,027,607.69	\$
Vendor 2	\$	6,505,297.97	\$	6,667,930.42	\$	6,834,628.68	\$	7,005,494.40	\$
Vendor 3	\$	23,193,484.40	\$	24,056,282.02	\$	24,951,175.71	\$	25,879,359.45	\$
Vendor 4	\$	30,938,408.10	\$	32,114,067.61	\$	33,334,402.18	\$	34,601,109.46	\$
SUM	\$	69,559,416.12	\$	72,114,718.06	\$	74,764,919.17	\$	77,513,570.99	\$
								80,364,358.71	\$
								83,321,106.17	\$
								86,387,781.13	\$

C554	Vendor 1 - Detailed Inspection (95%)								
Detailed Inspections	HFTD	\$	4,238,057.18	\$	4,406,308.05	\$	4,581,238.48	\$	4,763,113.65
Detailed Inspections	Non HFTD	\$	4,238,057.18	\$	4,406,308.05	\$	4,581,238.48	\$	4,763,113.65

C578	Vendor 2 - QA/QC (95%)								
QA/QC	HFTD	\$	3,090,016.54	\$	3,167,266.95	\$	3,246,448.62	\$	3,327,609.84
QA/QC	Non HFTD	\$	3,090,016.54	\$	3,167,266.95	\$	3,246,448.62	\$	3,327,609.84

C551	Vendor 3 & 4 - Tree Trimming								
Tree Trimming	HFTD	\$	27,065,946.25	\$	28,085,174.81	\$	29,142,788.94	\$	30,240,234.45
Tree Trimming	Non HFTD	\$	27,065,946.25	\$	28,085,174.81	\$	29,142,788.94	\$	30,240,234.45

Appendix A: Forecast Methodology

Mitigation ID	Mitigation Name	Labor	Non-Labor	NSE	Units
C215	Electric Public Safety Communications	5-YR Average	5-YR Average	5-YR Average	5-YR Average
C267	Damage Prevention Activities Electric Underground	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C268	Substation Inspection and Maintenance Program	3-YR Average	3-YR Average	3-YR Average	3-YR Average
C551	Prune and Removal (Clearance)	Base YR Rec	Base YR Rec	Zero-Based	Base YR Rec
C554	Detailed Inspections	Base YR Rec	Base YR Rec	Zero-Based	Base YR Rec
C578	QA/QC of Veg Mgmt	Base YR Rec	Base YR Rec	Zero-Based	Base YR Rec

Risk Chapter: **SDG&E-Risk-5 Electric Infrastructure Integrity**
Risk ID: **1OR05**

Appendix B: Unit Measure

Mitigation ID	Mitigation Name	Unit Measure
C215	Electric Public Safety Communications	No feasible units
C267	Damage Prevention Activities Electric Underground	Tickets
C268	Substation Inspection and Maintenance Program	Inspections & Repairs
C551	Prune and Removal (Clearance)	Trees trimmed
C554	Detailed Inspections	Trees inspected
C578	QA/QC of Veg Mgmt	No feasible units