

SAN DIEGO GAS & ELECTRIC COMPANY

Risk Assessment and Mitigation Phase

2025 Report

Chapter: SDG&E-Risk-1

Number: SDG&E-R01-WP

Excavation Damage O&M Workpapers

SAN DIEGO GAS & ELECTRIC COMPANY

May 15, 2025



2025 Risk Assessment & Mitigation Phase

INDEX OF RISK CHAPTER

Risk Chapter 1OR01: SDG&E-RISK-1 EXCAVATION DAMAGE

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: 1OR01 - SDG&E-Risk-1 Excavation Damage

In 2024 \$ (000s) Incurred Costs												
	Adjusted Recorded					Adjusted Forecast						
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Control/Mitigation	7,926	7,386	8,001	8,288	8,973	9,157	9,566	9,989	10,326	10,679	11,048	11,433
Alternative Mitigation	0	0	0	0	0	6,800	6,800	6,800	6,800	6,800	6,800	6,800
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-1 Excavation Damage**
Risk ID: **1OR01**

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
A001	MP Stand-By for Repeat Off	Jobs complete	0	0	0	0	0	6,000	6,000	6,000	6,000	6,000	6,000	6,000
A002	Installation of non-required E	Projects	0	0	0	0	0	800	800	800	800	800	800	800
C001	Damage Prevention Strategi	Employees	158	356	481	632	598	600	700	800	800	800	800	800
C002	Damage Prevention Activitie	Tickets	6,602	5,969	6,013	6,242	6,547	6,842	7,151	7,474	7,811	8,164	8,533	8,918
C003	Damage Prevention - Public	Customers I	401	719	783	757	1,142	1,029	1,029	1,029	1,029	1,029	1,029	1,029
C004	Damage Prevention Mappin	Reconciled	765	342	724	657	686	686	686	686	686	686	686	686

Units

Mitigation		Unit Measure	Adjusted Recorded					Adjusted Forecast						
ID	Name		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
A001	MP Stand-By for Repeat Off	Jobs complete	0	0	0	0	0	4,800	4,800	4,800	4,800	4,800	4,800	4,800
A002	Installation of non-required E	Projects	0	0	0	0	0	20	20	20	20	20	20	20
C001	Damage Prevention Strategi	Employees	3	3	4	6	6	6	7	8	8	8	8	8
C002	Damage Prevention Activitie	Tickets	166,070	151,106	171,360	203,026	212,553	222,149	232,178	242,659	253,614	265,063	277,030	289,536
*C003	Damage Prevention - Public	Customers I	80,751	70,800	33,708	35,849	56,078	56,539	56,539	56,539	56,539	56,539	56,539	56,539
C004	Damage Prevention Mappin	Reconciled	3,530	2,720	3,300	3,100	3,366	3,366	3,366	3,366	3,366	3,366	3,366	3,366

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

Supplemental Workpapers

**San Diego Gas and Electric -- Excavation Damage
Supplemental Workpaper for RAMP - 1OR01 - 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
1OR01C001	Damage Prevention Strategies	# of employees	\$ 100.00	6	\$ 600	7	\$ 700	8	\$ 800	8	\$ 800	8	\$ 800	8	\$ 800	8	\$ 800
1OR01C002	Damage Prevention Activities - Gas	# of tickets	\$ 0.03	222,149	\$6,842	232,178	\$7,151	242,659	\$7,474	253,614	\$7,811	265,063	\$8,164	277,030	\$8,533	289,536	\$8,918
1OR01C003	Damage Prevention - Public Awareness	# of Customers Reached	\$ 0.02	56,539,958	\$1,029	56,539,958	\$1,029	56,539,958	\$1,029	56,539,958	\$1,029	56,539,958	\$1,029	56,539,958	\$1,029	56,539,958	\$1,029
1OR01C004	Damage Prevention Mapping	# of reconciled orders	\$ 0.20	3,366	\$686	3,366	\$686	3,366	\$686	3,366	\$686	3,366	\$686	3,366	\$686	3,366	\$686

Notes: Amounts include vacation and sick leave.

Supplemental Workpaper for RAMP - 1OR01A - 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:	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
1OR01A001	MP Stand-By for Repeat Offenders	# of jobs completed	\$1.25	4,800	\$6,000	4,800	\$6,000	4,800	\$6,000	4,800	\$6,000	4,800	\$6,000	4,800	\$6,000	4,800	\$6,000
1OR01A002	Installation of non-required EFVs	# of projects	\$40.00	20	\$800	20	\$800	20	\$800	20	\$800	20	\$800	20	\$800	20	\$800

Notes: Amounts include vacation and sick leave.

Risk Chapter: **SDG&E-Risk-1 Excavation Damage**
Risk ID: **1OR01**

Appendix A: Forecast Methodology

Mitigation ID	Mitigation Name	Labor	Non-Labor	NSE	Units
A001	MP Stand-By for Repeat Offenders	Zero-Based	Zero-Based	Zero-Based	Zero-Based
A002	Installation of non-required EFVs	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C001	Damage Prevention Strategies	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C002	Damage Prevention Activities - Gas	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C003	Damage Prevention - Public Awareness	Zero-Based	Zero-Based	Zero-Based	Zero-Based
C004	Damage Prevention Mapping	Zero-Based	Zero-Based	Zero-Based	Zero-Based

Risk Chapter: **SDG&E-Risk-1 Excavation Damage**
Risk ID: **1OR01**

Appendix B: Unit Measure

Mitigation ID	Mitigation Name	Unit Measure
A001	MP Stand-By for Repeat Offenders	Jobs completed
A002	Installation of non-required EFVs	Projects
C001	Damage Prevention Strategies	Employees
C002	Damage Prevention Activities - Gas	Tickets
C003	Damage Prevention - Public Awareness	Customers Reached
C004	Damage Prevention Mapping	Reconciled work orders