



**Risk Assessment and Mitigation Phase
(Chapter SDG&E-Risk-3-WP)
Incident Related to the High-Pressure
System (Excluding Dig-in)
Workpapers**

May 17, 2021

2021 RAMP
 SDG&E Risk 3-WP
 Risks Recorded and Forecast Costs Incurred Allocations Workpaper
 Tab: Incurents
 (2020 Direct \$000)

RAMP Chapter ID	RAMP Chapter Name	Control / Mitigation ID	Control / Mitigation Name	RECORDED DOLLARS										FORECAST DOLLARS										Shared Allocations (Yes/No)	Notes				
				O&M					Capital					O&M					Capital										
				2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2022	2023	2024	2022	2023	2024	2022	2023	2024							
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C15-T1	Integrity Assessments & Remediation (HCA)	\$ 4,453	\$ 4,627	\$ 6,952	\$ 8,668	\$ 8,534	\$ 2,982	\$ 3,279	\$ 2,306	\$ 5,236	\$ 3,302	\$ 4,627	\$ 5,912	\$ 4,615	\$ 5,896	\$ 4,602	\$ 5,880	\$ 7,852	\$ 10,033	\$ 3,852	\$ 4,922	\$ 3,524	\$ 4,503	No	SDG&E costs are not shared; however, SoCalGas shared services are allocated to SDG&E.		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C15-T2	Integrity Assessments & Remediation (Non-HCA)	\$ 2,135	\$ 1,160	\$ 386	\$ 993	\$ 2,188	\$ 1,408	\$ 529	\$ 209	\$ 516	\$ 1,085	\$ 1,187	\$ 1,093	\$ 1,381	\$ 1,080	\$ 1,340	\$ 1,842	\$ 2,351	\$ 904	\$ 1,155	\$ 827	\$ 1,056	No	SDG&E costs are not shared; however, SoCalGas shared services are allocated to SDG&E.			
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	M2-T1	Gas Transmission Safety Rule - NADP Recertification (non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No			
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	M2-T2	Gas Transmission Safety Rule - NADP Recertification (non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	M3-T1	Gas Transmission Safety Rule - Material Verification (HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	M3-T2	Gas Transmission Safety Rule - Material Verification (Non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C1-T1	Cathodic Protection - Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 388	\$ 99	\$ 196	\$ 315	\$ 84	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C1-T2	Cathodic Protection - Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 381	\$ 201	\$ 316	\$ 699	\$ 230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No			
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C3-T1	Leak Repair	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ 979	\$ 588	\$ 676	\$ 577	\$ 699	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C3-T2	Leak Repair	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,641	\$ 1,987	\$ 1,133	\$ 1,371	\$ 1,172	\$ 1,419	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C4-T1	Pipeline Relocation/Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,022	\$ 633	\$ 1,398	\$ 38	\$ 148	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 755	\$ 913	\$ 521	\$ 630	\$ 539	\$ 652	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C4-T2	Pipeline Relocation/Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,104	\$ 1,285	\$ 2,839	\$ 76	\$ 301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,532	\$ 1,655	\$ 1,007	\$ 1,280	\$ 1,094	\$ 1,324	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C5-T1	Shallow/Exposed Pipe Remediation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 123	\$ 123	\$ 545	\$ 81	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,132	\$ 1,370	\$ 818	\$ 990	\$ 847	\$ 1,025	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C5-T2	Shallow/Exposed Pipe Remediation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 249	\$ 249	\$ 721	\$ 294	\$ 165	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,298	\$ 2,782	\$ 1,661	\$ 2,011	\$ 1,719	\$ 2,081	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C8	Compressor Stations Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,787	\$ 3,774	\$ 2,339	\$ 6,161	\$ 7,739	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,565	\$ 12,789	\$ 9,615	\$ 11,639	\$ 9,951	\$ 12,046	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C10-T1	Measurement & Regulation - Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 104	\$ 100	\$ 251	\$ 445	\$ 186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 168	\$ 203	\$ 219	\$ 278	\$ 217	\$ 287	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C10-T2	Measurement & Regulation - Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 393	\$ 387	\$ 509	\$ 903	\$ 378	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 340	\$ 412	\$ 466	\$ 564	\$ 482	\$ 584	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C13	Security and Auxiliary Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,925	\$ 150	\$ 85	\$ 319	\$ 730	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 382	\$ 462	\$ 1,019	\$ 871	\$ 1,055	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C2-T1	Cathodic Protection - Maintenance (HCA)	\$ 30	\$ 30	\$ 36	\$ 23	\$ 30	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ 23	\$ 29	\$ 23	\$ 29	\$ 23	\$ 29	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C2-T2	Cathodic Protection - Maintenance (non-HCA)	\$ 60	\$ 60	\$ 33	\$ 47	\$ 60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47	\$ 60	\$ 47	\$ 60	\$ 47	\$ 60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C6-T1	Pipeline Maintenance (HCA)	\$ 237	\$ 182	\$ 187	\$ 210	\$ 194	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 182	\$ 232	\$ 182	\$ 232	\$ 182	\$ 232	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C6-T2	Pipeline Maintenance (non-HCA)	\$ 481	\$ 370	\$ 381	\$ 426	\$ 393	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ 369	\$ 472	\$ 369	\$ 472	\$ 369	\$ 472	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C9	Compressor Station - Maintenance	\$ 2,318	\$ 2,356	\$ 2,356	\$ 2,332	\$ 2,501	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ 2,099	\$ 2,683	\$ 2,099	\$ 2,683	\$ 2,099	\$ 2,683	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C11-T1	Measurement & Regulation Station - Maintenance (HCA)	\$ 101	\$ 112	\$ 119	\$ 106	\$ 140	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105	\$ 134	\$ 105	\$ 134	\$ 105	\$ 134	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C11-T2	Measurement & Regulation Station - Maintenance (non-HCA)	\$ 204	\$ 238	\$ 241	\$ 214	\$ 285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 213	\$ 272	\$ 213	\$ 272	\$ 213	\$ 272	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C12	Odorization	\$ -	\$ -	\$ 2	\$ -	\$ 9	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ 8	\$ 10	\$ 8	\$ 10	\$ 8	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C7	Compressor Station Physical Security	\$ 248	\$ 181	\$ 212	\$ 233	\$ 248	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ 202	\$ 258	\$ 202	\$ 258	\$ 202	\$ 258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C14	Engineering, Oversight and Compliance Review	\$ 211	\$ 181	\$ 224	\$ 238	\$ 229	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 195	\$ 249	\$ 195	\$ 249	\$ 195	\$ 249	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	M1-T1.1	PSEP - Pipeline Replacement (Phase 2B, GRC base, HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,500	\$ 11,500	No	
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	M1-T1.2	PSEP - Pipeline Replacement (Phase 2B, GRC base, non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,500	\$ 11,500	No	
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	M1-T1.3	PSEP - Hydrotesting (Phase 2B, GRC base, HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,600	\$ 8,050	\$ -	\$ -	\$ -	\$ 2,850	\$ 3,450	No	
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	M1-T1.4	PSEP - Hydrotesting (Phase 2B, GRC base, non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,600	\$ 8,050	\$ -	\$ -	\$ -	\$ 2,850	\$ 3,450	No	
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T1.1	PSEP - Pipeline Replacement (Phase 1A, refundable, HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,803	\$ 38,213	\$ 11,855	\$ 6,559	\$ 1,084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T1.2	PSEP - Hydrotesting (Phase 1A, refundable, HCA)	\$ 1,044	\$ 132	\$ 446	\$ 1,648	\$ 913	\$ 813	\$ 438	\$ 1,038	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T2.1	PSEP - 11600 Pipeline Replacement (Phase 1B, refundable, HCA)	\$ -	\$ -	\$ -	\$ -	\$ 296	\$ 7,133	\$ 8,748	\$ 5,337	\$ 18,422	\$ 125,483	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 106,066	\$ 128,395	\$ 32,392	\$ 39,212	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T2.2	PSEP - 11600 Pipeline Replacement (Phase 1B, refundable, non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,459	\$ 1,786	\$ 24,513	\$ 29,673	\$ 2,520	\$ 3,050	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T2.3	PSEP - 11600 Hydrotesting (Phase 1B, refundable, non-HCA)	\$ -	\$ -	\$ -	\$ 1,092	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,742	\$ 5,741	\$ 22,891	\$ 27,407	\$ 17,411	\$ 21,076	\$ 1,884	\$ 2,330	\$ 6,708	\$ 10,540	\$ 6,771	\$ 8,136	No			
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T3.1	PSEP - Valve enhancement (refundable, HCA)	\$ -	\$ -	\$ -	\$ -	\$ 4,879	\$ 3,324	\$ 2,072	\$ 3,728	\$ 94	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T3.2	PSEP - Valve enhancement (refundable, non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	M4	Adobe Falls Relocation Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,900	\$ 2,300	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	M5	Moreno Compressor Station Modernization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	A1	Proactive Soil Sampling	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108	\$ 138	\$ 108	\$ 138	\$ 108	\$ 138	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E Risk 3	Incident Related to the High Pressure System (Excluding Dig-in)	A2	Expanding Geotechnical Analysis	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54	\$ 69	\$ 54	\$ 69	\$ 54	\$ 69	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		

NOTES:
 (1) The figures provided are direct charges and do not include company loaders, with the exception of vacation and sick. The costs are also in 2020 dollars and have not been escalated to 2021 amounts.
 (2) Costs are provided, where available, for all activities regardless of whether a RSE analysis was performed.
 (3) The following mitigations are not included in this risk's control and mitigation plan for 2022 - 2024 for reasons discussed in the Chapter narrative: PSEP Refundable (C16-T1, C16-T2, C16-T3); Moreno Compressor Station Modernization.

2021 RAMP
SDG&E-Risk-3-WP
Risks Shared Allocations Workpaper
Tab: Shared Allocations
(2020 Direct \$000)

RAMP Chapter ID	RAMP Chapter Name	Control / Mitigation ID	Control / Mitigation Name	Shared Allocations				Notes
				Retained	SoCalGas	Sempra Energy	Other	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C15-T1	Integrity Assessments & Remediation (HCA)	100%	0%	0%	0%	100% of SDG&E costs are retained by SDG&E; however, SCG has shared services that are allocated to SDG&E
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C15-T2	Integrity Assessments & Remediation (Non-HCA)	100%	0%	0%	0%	100% of SDG&E costs are retained by SDG&E; however, SCG has shared services that are allocated to SDG&E
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M2-T1	Gas Transmission Safety Rule - MAOP Reconfirmation (HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M2-T2	Gas Transmission Safety Rule - MAOP Reconfirmation (Non-HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M3-T1	Gas Transmission Safety Rule - Material Verification (HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M3-T2	Gas Transmission Safety Rule - Material Verification (Non-HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C1-T1	Cathodic Protection - Capital	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C1-T2	Cathodic Protection - Capital	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C3-T1	Leak Repair	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C3-T2	Leak Repair	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C4-T1	Pipeline Relocation/Replacement	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C4-T2	Pipeline Relocation/Replacement	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C5-T1	Shallow/Exposed Pipe Remediation	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C5-T2	Shallow/Exposed Pipe Remediation	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C8	Compressor Stations-Capital	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C10-T1	Measurement & Regulation - Capital	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C10-T2	Measurement & Regulation - Capital	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C13	Security and Auxiliary Equipment	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C14	Engineering, Oversight and Compliance Review	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M1-T1.1	PSEP - Pipeline Replacement (Phase 2B, GRC base, HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M1-T1.2	PSEP - Pipeline Replacement (Phase 2B, GRC base, non-HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M1-T1.3	PSEP - Hydrotesting (Phase 2B, GRC base, HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M1-T1.4	PSEP - Hydrotesting (Phase 2B, GRC base, non-HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T1.1	PSEP - Pipeline Replacement (Phase 1A, refundable, HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T1.2	PSEP - Hydrotesting (Phase 1A, refundable, HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T2.1	PSEP - L1600 Pipeline Replacement (Phase 1B, refundable, HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T2.2	PSEP - L1600 Pipeline Replacement (Phase 1B, refundable, non-HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T2.3	PSEP - L1600 Hydrotesting (Phase 1B, refundable, non-HCAs)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T3.1	PSEP - Valve enhancement (refundable, HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T3.2	PSEP - Valve enhancement (refundable, non-HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C2-T1	Cathodic Protection – Maintenance (HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C2-T2	Cathodic Protection – Maintenance (non-HCA)	100%	0%	0%	0%	

RAMP Chapter ID	RAMP Chapter Name	Control / Mitigation ID	Control / Mitigation Name	Shared Allocations				Notes
				Retained	SoCalGas	Sempra Energy	Other	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C6-T1	Pipeline Maintenance (HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C6-T2	Pipeline Maintenance (non-HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C9	Compressor Station - Maintenance	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C11-T1	Measurement & Regulation Station – Maintenance (HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C11-T2	Measurement & Regulation Station – Maintenance (non-HCA)	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C12	Odorization	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C7	Compressor Station Security - Maintenance	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M4	Adobe Falls Relocation Project	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M5	Moreno Compressor Station Modernization	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	A1	Proactive Soil Sampling	100%	0%	0%	0%	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	A2	Expanding Geotechnical Analysis	100%	0%	0%	0%	

2021 RAMP
SDG&E-Risk-3-WP
Risks Recorded and Forecast Costs After Allocations Worksheet
Tab: After Allocations
(2020 Direct \$000)

RAMP Chapter ID	RAMP Chapter Name	Control / Mitigation ID	Control / Mitigation Name	RECORDED DOLLARS										FORECAST DOLLARS												
				O&M					Capital					O&M					Capital							
				2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2022		2023		2024		2022		2023		2024		
										\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High	\$ Low	\$ High					
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C15-T1	Integrity Assessments & Remediation (HCA)	\$ 4,080	\$ 4,346	\$ 6,715	\$ 8,263	\$ 7,955	\$ 2,982	\$ 3,279	\$ 2,506	\$ 5,226	\$ 3,302	\$ 5,030	\$ 6,427	\$ 5,030	\$ 6,427	\$ 5,030	\$ 6,427	\$ 7,852	\$ 10,033	\$ 3,852	\$ 4,922	\$ 3,524	\$ 4,503	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C15-T2	Integrity Assessments & Remediation (Non-HCA)	\$ 1,927	\$ 701	\$ -	\$ 331	\$ 1,243	\$ 1,408	\$ 529	\$ -	\$ 209	\$ 516	\$ 1,180	\$ 1,508	\$ 1,180	\$ 1,508	\$ 1,380	\$ 1,508	\$ 1,842	\$ 2,353	\$ 904	\$ 1,155	\$ 827	\$ 1,056	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M2-T1	Gas Transmission Safety Rule - MAOP Reconfirmation (HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 720	\$ 2,304	\$ 2,160	\$ 6,912	\$ 6,480	\$ 20,736	\$ 720	\$ 2,304	\$ 2,160	\$ 6,912	\$ 6,480	\$ 20,736	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M2-T2	Gas Transmission Safety Rule - MAOP Reconfirmation (Non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30	\$ 96	\$ 90	\$ 288	\$ 270	\$ 864	\$ 30	\$ 96	\$ 90	\$ 288	\$ 270	\$ 864		
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M3-T1	Gas Transmission Safety Rule - Material Verification (HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13	\$ 40	\$ 15	\$ 46	\$ 18	\$ 56	\$ 7	\$ 21	\$ 8	\$ 24	\$ 9	\$ 29		
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M3-T2	Gas Transmission Safety Rule - Material Verification (Non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3	\$ 8	\$ 3	\$ 10	\$ 4	\$ 11	\$ 2	\$ 5	\$ 2	\$ 5	\$ 2	\$ 5		
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C1-T1	Cathodic Protection - Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188	\$ 99	\$ 156	\$ 315	\$ 64	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25	\$ 31	\$ 82	\$ 100	\$ 85	\$ 103	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C1-T2	Cathodic Protection - Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 381	\$ 201	\$ 316	\$ 639	\$ 130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51	\$ 62	\$ 167	\$ 203	\$ 173	\$ 210	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C3-T1	Leak Repair	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ 979	\$ 558	\$ 675	\$ 577	\$ 699	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C3-T2	Leak Repair	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,641	\$ 1,987	\$ 1,133	\$ 1,371	\$ 1,172	\$ 1,419	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C4-T1	Pipeline Relocation/Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,022	\$ 633	\$ 1,398	\$ 38	\$ 148	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 755	\$ 913	\$ 521	\$ 630	\$ 539	\$ 652	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C4-T2	Pipeline Relocation/Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,104	\$ 1,286	\$ 2,839	\$ 76	\$ 301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,532	\$ 1,855	\$ 1,057	\$ 1,280	\$ 1,094	\$ 1,324	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C5-T1	Shallow/Exposed Pipe Remediation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 123	\$ 123	\$ 355	\$ 145	\$ 81	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,132	\$ 1,370	\$ 818	\$ 990	\$ 847	\$ 1,025	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C5-T2	Shallow/Exposed Pipe Remediation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 249	\$ 249	\$ 721	\$ 294	\$ 165	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,298	\$ 2,782	\$ 1,661	\$ 2,011	\$ 1,719	\$ 2,081	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C8	Compressor Stations-Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,787	\$ 3,774	\$ 2,339	\$ 6,561	\$ 7,779	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,565	\$ 12,789	\$ 9,615	\$ 11,639	\$ 9,951	\$ 12,046	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C10-T1	Measurement & Regulation - Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 194	\$ 190	\$ 251	\$ 445	\$ 186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 168	\$ 203	\$ 229	\$ 278	\$ 237	\$ 287	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C10-T2	Measurement & Regulation - Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 393	\$ 387	\$ 509	\$ 903	\$ 378	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 340	\$ 412	\$ 466	\$ 564	\$ 482	\$ 584	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C13	Security and Auxiliary Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,925	\$ 150	\$ 85	\$ 319	\$ 730	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 382	\$ 462	\$ 842	\$ 1,019	\$ 871	\$ 1,055	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C14	Engineering, Oversight and Compliance Review	\$ 211	\$ 181	\$ 224	\$ 238	\$ 229	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 195	\$ 249	\$ 195	\$ 249	\$ 195	\$ 249	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M1-T1.1	PSEP - Pipeline Replacement (Phase 2B, GRC base, HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,500	\$ 11,500	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M1-T1.2	PSEP - Pipeline Replacement (Phase 2B, GRC base, non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,500	\$ 11,500	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M1-T1.3	PSEP - Hydrotesting (Phase 2B, GRC base, HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,650	\$ 8,050	\$ -	\$ -	\$ -	\$ 2,850	\$ 3,450
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M1-T1.4	PSEP - Hydrotesting (Phase 2B, GRC base, non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,650	\$ 8,050	\$ -	\$ -	\$ -	\$ 2,850	\$ 3,450
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T1.1	PSEP - Pipeline Replacement (Phase 1A, refundable, HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,853	\$ 38,253	\$ 11,855	\$ 5,159	\$ 1,084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T1.2	PSEP - Hydrotesting (Phase 1A, refundable, HCA)	\$ 1,044	\$ (32)	\$ 446	\$ 1,648	\$ 913	\$ (813)	\$ (458)	\$ 1,038	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T2.1	PSEP - L1600 Pipeline Replacement (Phase 1B, refundable, HCA)	\$ -	\$ -	\$ -	\$ -	\$ 296	\$ 7,133	\$ 8,748	\$ 5,337	\$ 18,422	\$ 5125,483	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 106,066	\$ 128,395	\$ 32,392	\$ 39,212	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T2.2	PSEP - L1600 Pipeline Replacement (Phase 1B, refundable, non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,865	\$ 562	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,459	\$ 1,766	\$ 24,513	\$ 29,673	\$ 2,520	\$ 3,050	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T2.3	PSEP - L1600 Hydrotesting (Phase 1B, refundable, non-HCA)	\$ -	\$ -	\$ -	\$ 1,992	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,742	\$ 5,741	\$ 22,393	\$ 27,107	\$ 17,411	\$ 21,076	\$ 1,844	\$ 2,232	\$ 8,708	\$ 10,542	\$ 6,771	\$ 8,196		
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T3.1	PSEP - Valve enhancement (refundable, HCA)	\$ -	\$ -	\$ -	\$ -	\$ 4,879	\$ 3,324	\$ 2,572	\$ 1,728	\$ 94	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C16-T3.2	PSEP - Valve enhancement (refundable, non-HCA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C2-T1	Cathodic Protection - Maintenance (HCA)	\$ 30	\$ 30	\$ 16	\$ 23	\$ 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23	\$ 29	\$ 23	\$ 29	\$ 23	\$ 29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C2-T2	Cathodic Protection - Maintenance (non-HCA)	\$ 60	\$ 60	\$ 33	\$ 47	\$ 60	\$ -	\$ -	\$ -	\$ -	\$ 47	\$ 60	\$ 47	\$ 60	\$ 47	\$ 60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C6-T1	Pipeline Maintenance (HCA)	\$ 237	\$ 182	\$ 187	\$ 210	\$ 194	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ 182	\$ 232	\$ 182	\$ 232	\$ 182	\$ 232	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C6-T2	Pipeline Maintenance (non-HCA)	\$ 481	\$ 370	\$ 381	\$ 426	\$ 393	\$ -	\$ -	\$ -	\$ -	\$ 369	\$ 472	\$ 369	\$ 472	\$ 369	\$ 472	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C9	Compressor Station - Maintenance	\$ 2,318	\$ 2,356	\$ 2,356	\$ 2,132	\$ 2,501	\$ -	\$ -	\$ -	\$ -	\$ 2,099	\$ 2,683	\$ 2,099	\$ 2,683	\$ 2,099	\$ 2,683	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C11-T1	Measurement & Regulation Station - Maintenance (HCA)	\$ 101	\$ 117	\$ 119	\$ 106	\$ 140	\$ -	\$ -	\$ -	\$ -	\$ 105	\$ 134	\$ 105	\$ 134	\$ 105	\$ 134	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C11-T2	Measurement & Regulation Station - Maintenance (non-HCA)	\$ 204	\$ 238	\$ 241	\$ 214	\$ 285	\$ -	\$ -	\$ -	\$ -	\$ 213	\$ 272	\$ 213	\$ 272	\$ 213	\$ 272	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C12	Odorization	\$ -	\$ -	\$ 2	\$ -	\$ 9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8	\$ 10	\$ 8	\$ 10	\$ 8	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	C7	Compressor Station Physical Security	\$ 248	\$ 181	\$ 212	\$ 233	\$ 248	\$ -	\$ -	\$ -	\$ -	\$ 202	\$ 258	\$ 202	\$ 258	\$ 202	\$ 258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M4	Adobe Falls Relocation Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,900	\$ 2,300	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	M5	Moreno Compressor Station Modernization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	A1	Proactive Soil Sampling	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108	\$ 138	\$ 108	\$ 138	\$ 108	\$ 138	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-3	Incident Related to the High Pressure System (Excluding Dig-in)	A2	Expanding Geotechnical Analysis	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54	\$ 69	\$ 54	\$ 69	\$ 54	\$ 69	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

NOTES:
[1] The figures provided are direct charges and do not include company loaders, with the exception of vacation and sick. The costs are also in 2020 dollars and have not been escalated to 2021 amounts.
[2] Costs are provided, where available, for all activities regardless of whether a RSE analysis was performed.
[3] The following mitigations are not included in this risk's control and mitigation plan for 2022 - 2024 for reasons discussed in the Chapter narrative: PSEP Refundable (C16-T1, C16-T2, C16-T3); M5: Moreno Compressor Station Modification.

