



**Risk Assessment and Mitigation Phase**  
**(Chapter SDG&E-Risk-9-WP)**  
**Incident Related to the Medium Pressure**  
**System (Excluding Dig-in)**  
**Workpapers**

**May 17, 2021**

2021 RAMP  
SDG&E-Risk-9-WP  
Risks Recorded and Forecast Costs Incurred Allocations Workpaper  
Tab: Incurred5  
(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										
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C1	Catholic Protection Program - O&M	\$ 1,967	\$ 1,862	\$ 1,921	\$ 1,968	\$ 1,964	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,853	\$ 2,244	\$ 1,853	\$ 2,244	\$ 1,853	\$ 2,244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C2	Catholic Protection Program - Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,988	\$ 2,834	\$ 3,702	\$ 4,961	\$ 3,672	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,401	\$ 6,538	\$ 5,932	\$ 7,181	\$ 6,463	\$ 7,823	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C3	Piping in Vaults Replacement Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,869	\$ 3,473	\$ 2,869	\$ 3,473	\$ 2,869	\$ 3,473	\$ -	\$ -	No		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C4	Regulator station, Valve, and Large Meter Set Inspection	\$ 3,639	\$ 3,965	\$ 4,613	\$ 4,273	\$ 4,502	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,240	\$ 5,132	\$ 4,240	\$ 5,132	\$ 4,240	\$ 5,132	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C5	Regulator Station Replacements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,800	\$ 2,300	\$ 1,800	\$ 2,300	\$ 1,800	\$ 2,300	\$ -	\$ -	No		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C6	Leak Repair	\$ 1,884	\$ 673	\$ 1,268	\$ 1,448	\$ 1,401	\$ 2,719	\$ 7,308	\$ 7,707	\$ 7,760	\$ 9,500	\$ 1,331	\$ 1,611	\$ 1,331	\$ 1,611	\$ 1,331	\$ 1,611	\$ 8,956	\$ 10,841	\$ 8,956	\$ 10,841	\$ 8,956	\$ 10,841	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C7	Pipeline Monitoring (Leak Mitigation, Bridge & Span, Unstable Earth, and Pipeline Patrol)	\$ 1,988	\$ 2,349	\$ 2,264	\$ 2,708	\$ 2,901	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,756	\$ 3,336	\$ 2,756	\$ 3,336	\$ 2,756	\$ 3,336	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C8-T1	Underperforming Steel Replacement Program - Threaded Main (pre-1933 vintage)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,663	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,757	\$ 10,601	\$ 8,757	\$ 10,601	\$ 8,757	\$ 10,601	\$ -	\$ -	No		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C8-T2	Underperforming Steel Replacement Program (1934-1965 vintage)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,863	\$ 1,588	\$ -	\$ 3,754	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,935	\$ 8,395	\$ 6,935	\$ 8,395	\$ 6,935	\$ 8,395	\$ -	\$ -	No		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C8-T3	Underperforming Steel Replacement Program - Other Steel (Post 1965 vintage)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,813	\$ 9,200	\$ 4,729	\$ 1,935	\$ 1,040	\$ -	\$ -	\$ -	\$ -	\$ 3,389	\$ 4,102	\$ 3,389	\$ 4,102	\$ 3,389	\$ 4,102	\$ -	\$ -	No			
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C9-T1	Early Vintage Program (Components) - OH Drip Piping Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193	\$ -	\$ -	\$ -	\$ -	\$ 3,001	\$ 3,633	\$ 1,900	\$ 2,300	\$ 1,900	\$ 2,300	\$ -	\$ -	No			
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C9-T2	Early Vintage Program (Components) - Dresser Mechanical Coupling Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,391	\$ -	\$ -	\$ -	\$ -	\$ 2,942	\$ 3,562	\$ 2,942	\$ 3,562	\$ 2,942	\$ 3,562	\$ -	\$ -	No			
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C9-T3	Early Vintage Program (Components) - Removal of Closed Valves Between High/Medium Zones	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33	\$ 448	\$ -	\$ -	\$ -	\$ -	\$ 735	\$ 890	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C10	Code Compliance Mitigation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 857	\$ 2,104	\$ 2,391	\$ 1,014	\$ 1,278	\$ -	\$ -	\$ -	\$ -	\$ 1,967	\$ 2,381	\$ 1,967	\$ 2,381	\$ 1,967	\$ 2,381	\$ -	\$ -	No			
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C11	Gas Distribution Emergency Department	\$ -	\$ 866	\$ 2,374	\$ 2,138	\$ 2,209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,593	\$ 3,138	\$ 2,593	\$ 3,138	\$ 2,593	\$ 3,138	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C12	Catholic Protection System Enhancements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,273	\$ 5,976	\$ 8,743	\$ 1,349	\$ 1,249	\$ -	\$ -	\$ -	\$ -	\$ 994	\$ 1,203	\$ 994	\$ 1,203	\$ 994	\$ 1,203	\$ -	\$ -	No			
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C13	Human Factors Mitigations - Gas Handling Plans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17	\$ 17	\$ 17	\$ 17	\$ 286	\$ -	\$ -	\$ -	\$ -	\$ 265	\$ 338	\$ 332	\$ 424	\$ 401	\$ 512	\$ -	\$ -	No			
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C14	Human Factors Mitigations - Operator Qualification Training and Certification	\$ 1,505	\$ 1,640	\$ 1,479	\$ 1,714	\$ 2,117	\$ 466	\$ 999	\$ 886	\$ 440	\$ 579	\$ 2,100	\$ 2,542	\$ 2,223	\$ 2,691	\$ 2,347	\$ 2,841	\$ 418	\$ 506	\$ 418	\$ 506	\$ 418	\$ 506	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C15	Human Factors Mitigations - QA/QC Program - Mandated Activities	\$ -	\$ 268	\$ 284	\$ 105	\$ 270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 342	\$ 414	\$ 342	\$ 414	\$ 342	\$ 414	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C16-T1	DIMP: DREAMS- Vintage Integrity Plastic Plan	\$ 1,965	\$ 1,725	\$ 1,590	\$ 1,690	\$ 2,680	\$ 25,977	\$ 38,544	\$ 35,483	\$ 41,322	\$ 40,367	\$ 1,283	\$ 1,298	\$ 1,236	\$ 1,238	\$ 1,187	\$ 1,176	\$ 48,735	\$ 56,430	\$ 51,585	\$ 59,730	\$ 57,285	\$ 66,330	\$ -	\$ -	No	SDG&E costs are not shared; however, SCG shared services are allocated to SDG&E
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C16-T2	DIMP: Replace Balance of CP Daisy Chained Services	\$ 2,195	\$ 4,475	\$ 360	\$ 45	\$ 10	\$ -	\$ -	\$ -	\$ 490	\$ 1,445	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	SDG&E costs are not shared; however, SCG shared services are allocated to SDG&E; Project in-service 2021
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C17	CCM Distribution Field Asset Real Time Monitoring and Control Site Installations/Upgrades & New Control Room Technologies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 265	\$ 382	\$ 265	\$ 382	\$ 265	\$ 382	\$ 3,444	\$ 4,975	\$ 4,941	\$ 7,137	\$ 6,034	\$ 5,827	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C18	Gas Public Safety Communications	\$ 210	\$ 127	\$ (1)	\$ 169	\$ 2,661	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,395	\$ 3,459	\$ 2,395	\$ 3,459	\$ 2,395	\$ 3,459	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C19	Field and Public Safety	\$ 9,596	\$ 10,537	\$ 10,672	\$ 10,740	\$ 9,694	\$ 432	\$ 480	\$ 698	\$ 642	\$ 568	\$ 9,209	\$ 11,633	\$ 9,209	\$ 11,633	\$ 9,209	\$ 11,633	\$ 941	\$ 654	\$ 941	\$ 654	\$ 941	\$ 654	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C20	Natural Gas Appliance Testing (NGAT) or Carbon Monoxide Testing	\$ 157	\$ 170	\$ 177	\$ 186	\$ 111	\$ -	\$ -	\$ -	\$ -	\$ 105	\$ 322	\$ 105	\$ 322	\$ 105	\$ 322	\$ 105	\$ 322	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	C21	CSF Quality Assurance (QA) Program	\$ 79	\$ 70	\$ 82	\$ 155	\$ 65	\$ -	\$ -	\$ -	\$ -	\$ 184	\$ 223	\$ 185	\$ 224	\$ 185	\$ 224	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	M1	Safety Control Valves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,282	\$ 2,915	\$ 2,282	\$ 2,915	\$ 2,282	\$ 2,915	\$ 2,282	\$ 2,915	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	M2	Catholic Protection System Enhancements - Real Time Monitoring	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,700	\$ 3,450	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	M3	Replace Curb Valves with EFVs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,408	\$ 2,915	\$ 2,408	\$ 2,915	\$ 2,408	\$ 2,915	\$ 2,408	\$ 2,915	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	A1	Post-Training Follow-up Field Evaluation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14	\$ 20	\$ 14	\$ 20	\$ 14	\$ 20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig in)	A2	Soil Sampling Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,690	\$ 5,330	\$ 3,690	\$ 5,330	\$ 3,690	\$ 5,330	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	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 mitigation is not included in this risk's control and mitigation plan for 2022 - 2024 for reasons discussed in the Chapter narrative: C16-T2: DIMP: Replace Balance of CP Daisy Chain Services

2021 RAMP  
SDG&E-Risk-9-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-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C1	Cathodic Protection Program - O&M	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C2	Cathodic Protection Program - Capital	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C3	Piping in Vaults Replacement Program	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C4	Regulator station, Valve, and Large Meter Set Inspection	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C5	Regulator Station Replacements	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C6	Leak Repair	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C7	Pipeline Monitoring (Leak Mitigation, Bridge & Span, Unstable Earth, and Pipeline Patrol)	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C8-T1	Underperforming Steel Replacement Program -Threaded Main (pre-1933 vintage)	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C8-T2	Underperforming Steel Replacement Program (1934 - 1965 vintage)	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C8-T3	Underperforming Steel Replacement Program - Other Steel (Post 1965 vintage)	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C9-T1	Early Vintage Program (Components) - Oil Drip Piping Removal	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C9-T2	Early Vintage Program (Components) - Dresser Mechanical Coupling Removal	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C9-T3	Early Vintage Program (Components) - Removal of Closed Valves Between High/Medium Zones	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C10	Code Compliance Mitigation	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C11	Gas Distribution Emergency Department	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C12	Cathodic Protection System Enhancements	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C13	Human Factors Mitigations - Gas Handling Plans	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C14	Human Factors Mitigations - Operator Qualification Training and Certification	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C15	Human Factors Mitigations - QA/QC Program - Mandated Activities	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System	C16-T1	DIMP: DREAMS- Vintage Integrity Plastic Plan	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-9	Incident Related to the Medium Pressure System	C16-T2	DIMP: Replace balance of CP Daisy Chained Services	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-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C17	CCM Distribution Field Asset Real Time Monitoring and Control Site Installations/Upgrades & New Control Room Technologies	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C18	Gas Public Safety Communications	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C19	Field and Public Safety	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C20	Natural Gas Appliance Testing (NGAT) or Carbon Monoxide Testing	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C21	CSF Quality Assurance (QA) Program	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	M1	Safety Control Valves	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	M2	Cathodic Protection System Enhancements – Real Time Monitoring	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	M3	Replace Curb Valves with EFVs	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	A1	Post-Training Follow-up Field Evaluation	100%	0%	0%	0%	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	A2	Soil Sampling Program	100%	0%	0%	0%	

2021 RAMP  
SDG&E-Risk-9-WP  
Risks Recorded and Forecast Costs After Allocations Workpaper  
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-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C1	Cathodic Protection Program - O&M	\$ 1,967	\$ 1,862	\$ 1,921	\$ 1,968	\$ 1,964	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,853	\$ 2,244	\$ 1,853	\$ 2,244	\$ 1,853	\$ 2,244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C2	Cathodic Protection Program - Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,988	\$ 2,834	\$ 3,702	\$ 4,961	\$ 3,672	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,401	\$ 6,538	\$ 5,932	\$ 7,181	\$ 6,463	\$ 7,823
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C3	Piping in Vaults Replacement Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,869	\$ 3,473	\$ 2,869	\$ 3,473	\$ 2,869	\$ 3,473	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C4	Regulator station, Valve, and Large Meter Set Inspection	\$ 3,639	\$ 3,965	\$ 4,613	\$ 4,273	\$ 4,502	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,240	\$ 5,132	\$ 4,240	\$ 5,132	\$ 4,240	\$ 5,132	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C5	Regulator Station Replacements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,800	\$ 2,300	\$ 1,800	\$ 2,300	\$ 1,800	\$ 2,300	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C6	Leak Repair	\$ 1,884	\$ 673	\$ 1,268	\$ 1,448	\$ 1,401	\$ 2,719	\$ 7,308	\$ 7,707	\$ 7,760	\$ 9,500	\$ 1,331	\$ 1,611	\$ 1,331	\$ 1,611	\$ 1,331	\$ 1,611	\$ 8,956	\$ 10,841	\$ 8,956	\$ 10,841	\$ 8,956	\$ 10,841		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C7	Pipeline Monitoring (Leak Mitigation, Bridge & Span, Unstable Earth, and Pipeline Patrol)	\$ 1,988	\$ 2,349	\$ 2,264	\$ 2,708	\$ 2,901	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,756	\$ 3,336	\$ 2,756	\$ 3,336	\$ 2,756	\$ 3,336	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C8-T1	Underperforming Steel Replacement Program - Threaded Main (pre-1933 vintage)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,663	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,757	\$ 10,601	\$ 8,757	\$ 10,601	\$ 8,757	\$ 10,601	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C8-T2	Underperforming Steel Replacement Program (1934 - 1965 vintage)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,863	\$ 1,588	\$ -	\$ 3,754	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,935	\$ 8,395	\$ 6,935	\$ 8,395	\$ 6,935	\$ 8,395	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C8-T3	Underperforming Steel Replacement Program - Other Steel (Post 1965 vintage)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,813	\$ 9,200	\$ 4,729	\$ 1,935	\$ 1,040	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,389	\$ 4,102	\$ 3,389	\$ 4,102	\$ 3,389	\$ 4,102	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C9-T1	Early Vintage Program (Components) - Oil Drip Piping Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,001	\$ 3,633	\$ 1,900	\$ 2,300	\$ 1,900	\$ 2,300	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C9-T2	Early Vintage Program (Components) - Dresser Mechanical Coupling Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,391	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,942	\$ 3,562	\$ 2,942	\$ 3,562	\$ 2,942	\$ 3,562	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C9-T3	Early Vintage Program (Components) - Removal of Closed Valves Between High/Medium Zones	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33	\$ 448	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 735	\$ 890	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C10	Code Compliance Mitigation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 857	\$ 2,104	\$ 2,391	\$ 1,014	\$ 1,278	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,967	\$ 2,381	\$ 1,967	\$ 2,381	\$ 1,967	\$ 2,381		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C11	Gas Distribution Emergency Department	\$ -	\$ 966	\$ 2,374	\$ 2,138	\$ 2,709	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,593	\$ 3,138	\$ 2,593	\$ 3,138	\$ 2,593	\$ 3,138	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C12	Cathodic Protection System Enhancements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,273	\$ 5,976	\$ 8,743	\$ 1,349	\$ 1,249	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 994	\$ 1,203	\$ 994	\$ 1,203	\$ 994	\$ 1,203		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C13	Human Factors Mitigations - Gas Handling Plans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17	\$ 17	\$ 17	\$ 17	\$ 286	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 265	\$ 338	\$ 332	\$ 424	\$ 401	\$ 512		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C14	Human Factors Mitigations - Operator Qualification Training and Certification	\$ 1,505	\$ 1,640	\$ 1,479	\$ 1,714	\$ 2,117	\$ 466	\$ 999	\$ 886	\$ 440	\$ 579	\$ 2,100	\$ 2,542	\$ 2,223	\$ 2,691	\$ 2,347	\$ 2,841	\$ 418	\$ 506	\$ 418	\$ 506	\$ 418	\$ 506		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C15	Human Factors Mitigations - QA/QC Program - Mandated Activities	\$ -	\$ 268	\$ 284	\$ 105	\$ 270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 342	\$ 414	\$ 342	\$ 414	\$ 342	\$ 414	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C16-T1	DIMP: DREAMS- Vintage Integrity Plastic Plan	\$ 1,367	\$ 1,726	\$ 1,592	\$ 1,690	\$ 2,680	\$ 25,977	\$ 38,544	\$ 35,483	\$ 41,322	\$ 40,367	\$ 2,850	\$ 3,300	\$ 2,850	\$ 3,300	\$ 2,850	\$ 3,300	\$ 48,735	\$ 56,430	\$ 51,585	\$ 59,730	\$ 57,285	\$ 66,330		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C16-T2	DIMP: Replace Balance of CP Daisy Chained Services	\$ 2,193	\$ 4,474	\$ 361	\$ 45	\$ 11	\$ -	\$ -	\$ -	\$ 490	\$ 1,445	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C17	CCM Distribution Field Asset Real Time Monitoring and Control Site Installations/Upgrades & New Control Room Technologies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 265	\$ 382	\$ 265	\$ 382	\$ 265	\$ 382	\$ 3,444	\$ 4,975	\$ 4,941	\$ 7,137	\$ 4,034	\$ 5,827		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C18	Gas Public Safety Communications	\$ 210	\$ 127	\$ (1)	\$ 169	\$ 2,661	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,395	\$ 3,459	\$ 2,395	\$ 3,459	\$ 2,395	\$ 3,459	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C19	Field and Public Safety	\$ 9,596	\$ 10,537	\$ 10,672	\$ 10,740	\$ 9,694	\$ 432	\$ 480	\$ 698	\$ 642	\$ 568	\$ 9,209	\$ 11,633	\$ 9,209	\$ 11,633	\$ 9,209	\$ 11,633	\$ 541	\$ 654	\$ 541	\$ 654	\$ 541	\$ 654		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C20	Natural Gas Appliance Testing (NGAT) or Carbon Monoxide Testing	\$ 157	\$ 170	\$ 177	\$ 186	\$ 111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105	\$ 322	\$ 105	\$ 322	\$ 105	\$ 322	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C21	CSF Quality Assurance (QA) Program	\$ 79	\$ 70	\$ 82	\$ 155	\$ 65	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 184	\$ 223	\$ 185	\$ 224	\$ 185	\$ 224	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	M1	Safety Control Valves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,282	\$ 2,915	\$ 2,282	\$ 2,915	\$ 2,282	\$ 2,915		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	M2	Cathodic Protection System Enhancements – Real Time Monitoring	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,700	\$ 3,450	\$ -	\$ -	\$ -	\$ -		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	M3	Replace Curb Valves with EFVs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,408	\$ 2,915	\$ 2,408	\$ 2,915	\$ 2,408	\$ 2,915		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	A1	Post-Training Follow-up Field Evaluation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14	\$ 20	\$ 14	\$ 20	\$ 14	\$ 20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	A2	Soil Sampling Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,690	\$ 5,330	\$ 3,690	\$ 5,330	\$ 3,690	\$ 5,330	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

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 mitigation is not included in this risk's control and mitigation plan for 2022 - 2024 for reasons discussed in the Chapter narrative: C16-T2: DIMP: Replace Balance of CP Daisy Chain Services

2021 RAMP  
SDG&E-Risk-9-WP  
Risks Recorded and Forecast Units Workpaper  
Tab: Units

RAMP Chapter ID	RAMP Chapter Name	Control / Mitigation ID	Control / Mitigation Name	Units Description		RECORDED UNITS										FORECAST UNITS												
						O&M					Capital					O&M					Capital							
						2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2022	2023	2024	2022	2023	2024							
				Capital	O&M											Low	High	Low	High	Low	High	Low	High	Low	High			
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C1	Cathodic Protection Program - O&M	N/A	# of trouble orders	1,629	964	1,405	1,330	1,387	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C2	Cathodic Protection Program - Capital	# of deep well anode beds	N/A	-	-	-	-	-	62	40	24	52	39	-	-	-	-	-	-	46	55	46	55	46	55	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C3	Piping in Vaults Replacement Program	# of projects	N/A	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	19	23	19	23	19	23	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C4	Regulator station, Valve, and Large Meter Set Inspection	N/A	# of regulator stations replaced	812	830	731	825	1,022	-	-	-	-	-	816	988	816	988	816	988	-	-	-	-	-	-	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C5	Regulator Station Replacements	N/A	# of projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	4	5	4	5	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C6	Leak Repair	# of projects	N/A	510	748	785	647	633	736	388	433	697	564	601	728	601	728	601	728	536	649	536	649	536	649	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C7	Pipeline Monitoring (Leak Mitigation, Bridge & Span, Unstable Earth, and Pipeline Patrol)	N/A	# of inspections/surveys	1,128	1,128	1,060	990	941	-	-	-	-	-	894	1,082	894	1,082	894	1,082	-	-	-	-	-	-	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C8-T1	Underperforming Steel Replacement Program - Threaded Main (pre-1933 vintage)	# of feet	N/A	-	-	-	-	-	-	-	-	-	1,584	-	-	-	-	-	-	63,001	76,265	63,001	76,265	63,001	76,265	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C8-T2	Underperforming Steel Replacement Program (1934 - 1965 vintage)	# of feet	N/A	-	-	-	-	-	14,528	12,383	-	-	10,560	-	-	-	-	-	-	49,892	60,396	49,892	60,396	49,892	60,396	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C8-T3	Underperforming Steel Replacement Program - Other Steel (Post 1965 vintage)	# of feet	N/A	-	-	-	-	-	11,227	43,385	29,767	5,628	1,718	-	-	-	-	-	-	24,379	29,511	24,379	29,511	24,379	29,511	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C9-T1	Early Vintage Program (Components) - Oil Drip Piping Removal	# of projects	N/A	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	50	61	32	38	32	38	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C9-T2	Early Vintage Program (Components) - Dresser Mechanical Coupling Removal	# of projects	N/A	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	20	24	20	24	20	24	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C9-T3	Early Vintage Program (Components) - Removal of Closed Valves Between High/Medium Zones	# of projects	N/A	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	4	5	-	-	-	-	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C10	Code Compliance Mitigation	# of projects	N/A	-	-	-	-	-	695	500	887	1,053	1,364	-	-	-	-	-	-	945	1,144	945	1,144	945	1,144	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C11	Gas Distribution Emergency Department	N/A	# of responses	-	538	1,517	1,290	1,032	-	-	-	-	-	1,216	1,472	1,216	1,472	1,216	1,472	-	-	-	-	-	-	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C12	Cathodic Protection System Enhancements	# of projects	N/A	-	-	-	-	-	85	326	422	35	18	-	-	-	-	-	-	46	55	46	55	46	55	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C13	Human Factors Mitigations - Gas Handling Plans	# of projects	N/A	-	-	-	-	-	23	23	23	23	386	-	-	-	-	-	-	500	638	630	805	761	972	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C14	Human Factors Mitigations - Operator Qualification Training and Certification	# of employees / contractors trained / certified	N/A	390	550	410	432	651	390	500	410	432	651	625	757	669	810	712	861	625	757	669	810	712	861	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C15	Human Factors Mitigations - QA/QC Program - Mandated Activities	# of internal QA/QC field audits	N/A	-	-	59	166	239	-	-	-	-	-	227	275	227	275	227	275	-	-	-	-	-	-	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C16-T1	DIMP- DREAMS- Vintage Integrity Plastic Plan	# of miles	N/A	-	-	-	-	-	24	35	40	46	51	-	-	-	-	-	-	44	54	46	56	50	60	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C16-T2	DIMP- Replace Balance of CP Daisy Chained Services	# of risers installed	# of risers inspected	44,426	5,018	698	-	-	-	-	-	-	10	65	-	-	-	-	-	-	-	-	-	-	-	-
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C17	CDM Distribution Field Asset Real Time Monitoring and Control Site Installations/Upgrades & New Control Room Technologies	Control: No. of sites installed	Control: No. of sites inspected	-	-	-	-	-	-	-	-	-	-	Control: 2	Control: 3	Control: 5	Control: 7	Control: 10	Control: 14	Control: 3	Control: 4	Control: 5	Control: 8	Control: 11	Control: 16	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C18	Gas Public Safety Communications	No Feasible Units	No Feasible Units	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C19	Field and Public Safety	# of Orders	# of Orders	147,694	158,625	150,456	147,779	123,196	6,006	7,171	6,924	6,687	6,784	117,036	160,155	117,036	160,155	117,036	160,155	6,445	7,802	6,445	7,802	6,445	7,802	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C20	Natural Gas Appliance Testing (NGAT) or Carbon Monoxide Testing	N/A	# of Natural Gas Appliance Tests	5,275	4,297	5,309	4,481	2,838	-	-	-	-	-	2,696	6,953	2,696	6,953	2,696	6,953	-	-	-	-	-	-	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	C21	CSF Quality Assurance (QA) Program	N/A	# of Inspections	904	1,160	1,463	2,135	181	-	-	-	-	-	1,483	1,795	1,496	1,811	1,509	1,826	-	-	-	-	-	-	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	M1	Safety Control Valves	# of projects	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	22	17	22	17	22	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	M2	Cathodic Protection System Enhancements - Real Time Monitoring	# of upgraded rectifier stations	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,180	1,508	-	-	-	-	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	M3	Replace Curb Valves with EFVs	# of projects	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	146	120	146	120	146	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	A1	Post-Training Follow-up Field Evaluation	N/A	# of projects	-	-	-	-	-	-	-	-	-	-	32	46	32	46	32	46	-	-	-	-	-	-	
SDG&E-Risk-9	Incident Related to the Medium Pressure System (Excluding Dig-in)	A2	Soil Sampling Program	N/A	# of projects	-	-	-	-	-	-	-	-	-	-	3,544	5,119	3,544	5,119	3,544	5,119	-	-	-	-	-	-	