

Company: San Diego Gas & Electric Company (U 902 M)

Proceeding: 2024 General Rate Case

Application: A.22-05-016

Exhibit No: SDG&E-03-CWP-R

REVISED WORKPAPERS TO
PREPARED DIRECT TESTIMONY
OF R. SCOTT PEARSON
ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

AUGUST 2022



Workpaper 1
SDG&E Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SDG&E-Risk-1: Wildfire Involving SDG&E Equipment - Capital
(\$000s)

2021 RAMP					TY 2024 GRC						
ID	Control / Mitigation Name	2022 - 2024			Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High	RSE							
C01	WRRM - Ops	\$ 6,456	\$ 7,891	0	Ex. SDG&E-13	192480.001	N/A	\$ 2,200	\$ 2,420	\$ 2,662	0
C02	Advanced Weather Station Integration	\$ 1,625	\$ 1,986	0	Ex. SDG&E-13	192470.001	N/A	\$ 917	\$ 380	\$ 380	0
C03-T1	Wireless Fault Indicators (Tier 3-HFTD)	GRC: Rescoped to include			Ex. SDG&E-13	112530.001	Tier 3	\$ 333	\$ -	\$ 532	270
C03-T2	Wireless Fault Indicators (Tier 2 HFTD)	GRC: Rescoped to include			Ex. SDG&E-13	112530.001	Tier 2	\$ 333	\$ -	\$ 532	244
C03-T3	Wireless Fault Indicators (Non-HFTD)	\$ 590	\$ 722	1516	Ex. SDG&E-13	No funding request in GRC: Rescoped					
C04	Fire Science and Climate Adaptation Department	\$ 272	\$ 333	0	Ex. SDG&E-13	208770.001	N/A	\$ 420	\$ 420	\$ 420	0
C05	High Performance Computing Infrastructure	\$ 6,579	\$ 8,041	0	Ex. SDG&E-13	202400.001	N/A	\$ 5,800	\$ -	\$ -	0
C06/M1-T2	SCADA Capacitors (HFTD Tier 2)	\$ 1,612	\$ 1,970	0	Ex. SDG&E-13	202580.001	Tier 2	\$ 2,010	\$ 1,378	\$ 1,427	2623
C07/M2-T1	OH Dist Fire Hardening – Covered Conductor (HFTD Tier 3)	\$ 298,690	\$ 365,066	32	Ex. SDG&E-13	202850.001	Tier 3	\$ 102,208	\$ 123,715	\$ 130,888	80
C07/M2-T2	OH Dist Fire Hardening – Covered Conductor (HFTD Tier 2)	\$ 65,566	\$ 80,136	14	Ex. SDG&E-13	202850.001	Tier 2	\$ 22,435	\$ 27,157	\$ 28,731	54
C08/M3-T2	Expulsion Fuse Replacement (HFTD Tier 2)	\$ 2,771	\$ 3,387	187	Ex. SDG&E-13	192420.001	Tier 2	\$ 842	\$ -	\$ -	0
C09/M4-T1	PSPS Sectionalizing (HFTD Tier 3)	\$ 483	\$ 590	2112	Ex. SDG&E-13	192450.001	PSPS Sectionalizing Tier 3	\$ 470	\$ -	\$ -	0
C09/M4-T2	PSPS Sectionalizing (HFTD Tier 2)	\$ 2,628	\$ 3,213	1063	Ex. SDG&E-13	192450.001	PSPS Sectionalizing Tier 2	\$ 1,097	\$ 1,567	\$ 1,567	280
C09/M4-T3	PSPS Sectionalizing (Non-HFTD)	\$ 1,053	\$ 1,286	0	Ex. SDG&E-13	No funding request in GRC: Rescoped					
C10/M5-T2	Microgrids (HFTD Tier 2)	\$ 34,301	\$ 41,924	30	Ex. SDG&E-13	192490.001	Tier 2	\$ 5,069	\$ 36,229	\$ 2,400	28
C11/M6-T1	Advanced Protection (HFTD Tier 3)	\$ 27,564	\$ 33,689	309	Ex. SDG&E-13	152590.001	Tier 3	\$ 12,783	\$ 11,562	\$ 5,540	832
C16/M11-T1	Strategic Undergrounding (HFTD Tier 3)	\$ 552,350	\$ 675,095	156	Ex. SDG&E-13	192460.001	Tier 3	\$ 119,293	\$ 223,147	\$ 259,245	173
C16/M11-T2	Strategic Undergrounding (HFTD Tier 2)	\$ 331,410	\$ 405,057	54	Ex. SDG&E-13	192460.001	Tier 2	\$ 70,061	\$ 131,055	\$ 152,256	84
C17/M12-T1	OH Dist Fire Hardening – Bare Conductor (HFTD Tier 3)	\$ 4,500	\$ 5,500	53	Ex. SDG&E-13	202840.001	Tier 3	\$ 6,851	\$ 5,479	\$ 5,479	41
C17/M12-T2	OH Dist Fire Hardening – Bare Conductor (HFTD Tier 2)	GRC: Rescoped to include			Ex. SDG&E-13	202840.001	Tier 2	\$ 8,808	\$ -	\$ -	0
C17/M12-T3	OH Dist Fire Hardening – Bare Conductor (Non-HFTD)	GRC: Rescoped to include			Ex. SDG&E-13	202840.001	Non-HFTD	\$ 652	\$ -	\$ -	0
C18/M13-T1	OH Trans Fire Hardening – Dist Underbuilt (HFTD Tier 3)	\$ 2,809	\$ 3,433	63	Ex. SDG&E-13	141400.001	Tier 3	\$ 350	\$ 638	\$ 1,070	67
C18/M13-T2	OH Trans Fire Hardening – Dist Underbuilt (HFTD Tier 2)	\$ 37,604	\$ 45,960	32	Ex. SDG&E-13	141400.001	Tier 2	\$ 4,379	\$ 7,997	\$ 13,394	41
C19	Cleveland National Forest Fire Hardening T1	GRC: Rescoped to include			Ex. SDG&E-13	081650.001	Tier 3	\$ 1,999	\$ 1,675	\$ 1,206	0
C20	LTE Communication Network	\$ 181,103	\$ 221,348	0	Ex. SDG&E-13	191340.001	N/A	\$ 9,444	\$ 7,700	\$ 7,700	0
					Ex. SDG&E-13	198730.001	N/A	\$ 79,569	\$ 65,349	\$ 70,179	0
C21/M14-T1	Lightning Arrestor Removal/Replacement Program (HFTD Tier 3)	\$ 7,050	\$ 8,619	113	Ex. SDG&E-13	202820.001	Tier 3	\$ 1,152	\$ 2,005	\$ 1,964	245
C21/M14-T2	Lightning Arrestor Removal/Replacement Program (HFTD Tier 2)	GRC: Rescoped to include			Ex. SDG&E-13	202820.001	Tier 2	\$ 1,693	\$ 227	\$ 222	52
C22-T1	Dist System Inspection – CMP – 5 Year Detailed Inspections (HFTD Tier 3)	\$ 9,325	\$ 11,397	65	Ex. SDG&E-13	002390.001	Tier 3	\$ 2,924	\$ 2,568	\$ 2,620	170
C22-T2	Dist System Inspection – CMP – 5 Year Detailed Inspections (HFTD Tier 2)	\$ 12,093	\$ 14,780	33	Ex. SDG&E-13	002390.001	Tier 2	\$ 3,791	\$ 3,330	\$ 3,396	43
C23	Transmission System Inspection	\$ 1,958	\$ 2,393	0	Ex. SDG&E-13	201270.001	N/A	\$ 700	\$ 1,140	\$ 580	0
C25-T2	Dist System Inspection – CMP – 10 Year Intrusive (HFTD Tier 2)	\$ 2,266	\$ 2,770	2	Ex. SDG&E-13	002390.002	Tier 2	\$ 1,321	\$ 1,161	\$ 1,183	10
C27-T1	Dist System Inspection – HFTD Tier 3 Inspections (HFTD Tier 3)	\$ 7,191	\$ 8,790	111	Ex. SDG&E-13	002390.003	Tier 3	\$ 2,201	\$ 1,934	\$ 1,972	187
C27-T2	Dist System Inspection – HFTD Tier 3 Inspections (HFTD Tier 2)	\$ 9	\$ 11	194	Ex. SDG&E-13	No funding request in GRC: Rescoped					
C28-T1	Distribution System Inspection – Drone Inspections (HFTD Tier 3)	GRC: Rescoped to include			Ex. SDG&E-13	202480.001	Tier 3	\$ 1,400	\$ -	\$ -	0
C28-T2	Distribution System Inspection – Drone Inspections (HFTD Tier 2)	\$ 10,085	\$ 12,326	9	Ex. SDG&E-13	202480.001	Tier 2	\$ 32,045	\$ 55,320	\$ 6,981	9
C30-T1	Dist System Inspection – CMP – Annual Patrol (HFTD Tier 3)	\$ 1,210	\$ 1,478	684	Ex. SDG&E-13	002390.004	Tier 3	\$ 352	\$ 310	\$ 316	994
C30-T2	Dist System Inspection – CMP – Annual Patrol (HFTD Tier 2)	\$ 1,437	\$ 1,756	373	Ex. SDG&E-13	002390.004	Tier 2	\$ 418	\$ 367	\$ 375	533
C35-T1	Aviation Firefighting Program (HFTD Tier 3)	\$ 1,358	\$ 1,660	24	Ex. SDG&E-13	202770.001	Tier 3	\$ 2,753	\$ 9,185	\$ 8,100	218
C35-T2	Aviation Firefighting Program (HFTD Tier 2)	\$ 801	\$ 979	14	Ex. SDG&E-13	212550.001	Tier 2	\$ 400	\$ -	\$ -	0
C35-T3	Aviation Firefighting Program (Non-HFTD)	\$ 58	\$ 70	1	Ex. SDG&E-13	212560.001	Non-HFTD	\$ 11,596	\$ -	\$ -	0
					Ex. SDG&E-13	208910.001	N/A	\$ 16,403	\$ 10,506	\$ 5,683	0
C38	Centralized Repository for Data	\$ 56,578	\$ 69,150	0	Ex. SDG&E-13	218840.001	N/A	\$ 6,068	\$ 3,995	\$ 3,994	0
C41	Emergency Management Operations	\$ 10,101	\$ 12,346	0	Ex. SDG&E-13	197800.001	N/A	\$ 721	\$ 17,414	\$ -	0
C42	Communication Practices	\$ 2,781	\$ 3,399	0	Ex. SDG&E-13	208900.001	N/A	\$ 5,627	\$ 3,361	\$ 3,131	0
					Ex. SDG&E-13	218860.001	N/A	\$ 1,247	\$ -	\$ -	0
New01	Strategic Pole Replacement Program (HFTD)	RAMP Post-Filing			Ex. SDG&E-13	222420.001	N/A	\$ -	\$ 1,620	\$ 6,348	0

Ex. SDG&E-13: Wildfire Mitigation and Vegetation Management

Workpaper 1
SDG&E Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SDG&E-Risk-2: Electric Infrastructure Integrity - Capital
(\$000s)

2021 RAMP					TY 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024			RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High	RSE								
C02	GO165 Pole Replacement Reinforcement	\$ 22,103	\$ 27,304	0	Ex. SDG&E-11	872320.001	N/A	\$ 12,709	\$ 12,709	\$ 12,709	0	
C03	4kV Modernization Program – Distribution	\$ 17,492	\$ 21,606	11	Ex. SDG&E-11	172690.001	OH Distribution	\$ 4,179	\$ 6,632	\$ 6,542	27	
C04:T1	Distribution Overhead Switch Replacement Program - SCADA	\$ 525	\$ 649	101	Ex. SDG&E-11	172610.001	OH Distribution	\$ 873	\$ 832	\$ 832	276	
C04:T2	Distribution Overhead Switch Replacement Program - Gang	\$ 358	\$ 442	190	Ex. SDG&E-11	No specific funding request in GRC: Included with C04-T1						
C04:T3	Distribution Overhead Switch Replacement Program - Hook	\$ 1,403	\$ 1,734	241	Ex. SDG&E-11	No specific funding request in GRC: Included with C04-T1						
C05	Management of Overhead Distribution Service (Non-CMP)	\$ 23,656	\$ 29,222	0	Ex. SDG&E-11	002260.001	N/A	\$ 8,117	\$ 8,117	\$ 8,117	0	
C07	Restoration of Service	\$ 30,078	\$ 37,154	0	Ex. SDG&E-11	002360.001	N/A	\$ 7,839	\$ 7,839	\$ 7,839	0	
C08	Avian Protection Program	\$ 1,591	\$ 1,967	409	Ex. SDG&E-11	102650.001	OH Distribution	\$ 149	\$ 187	\$ 187	39	
					Ex. SDG&E-13	202820.002	OH Distribution	\$ 1,368	\$ 1,371	\$ 1,371	226	
C09	UG Cable Replacement Program – Reactive	\$ 17,250	\$ 21,309	0	Ex. SDG&E-11	002300.001	N/A	\$ 5,799	\$ 5,799	\$ 5,799	0	
C10:T1	UG Cable Replacement Program – Proactive – UG Feeder	\$ 450	\$ 555	465	Ex. SDG&E-11	002380.001	UG Distribution	\$ 4,260	\$ 3,485	\$ 3,431	2082	
C10:T2	UG Cable Replacement Program – Proactive – UG Branch	\$ 13,205	\$ 16,314	166	Ex. SDG&E-11	No specific funding request in GRC: Included with C10-T1						
C10:T3	UG Cable Replacement Program – Proactive – North Harbor Project	\$ 12,674	\$ 15,657	201	Ex. SDG&E-11	17264A.001	UG Distribution	\$ -	\$ 23,281	\$ 7,761	1	
C11	Tee Modernization Program - Underground	\$ 9,750	\$ 12,042	938	Ex. SDG&E-11	172550.001	UG Distribution	\$ 3,734	\$ 3,585	\$ 3,535	1406	
C12	Replacement of Live Front Equipment - Reactive	\$ 1,131	\$ 1,399	0	Ex. SDG&E-11	062470.001	N/A	\$ 365	\$ 365	\$ 365	0	
C13	Replacement of Live Front Equipment - Proactive	\$ 1,490	\$ 1,839	6	Ex. SDG&E-11	192410.001	UG Distribution	\$ 706	\$ 706	\$ 706	19	
C14	DOE Switch Replacement – Underground	\$ 16,516	\$ 20,402	60	Ex. SDG&E-11	002900.001	UG Distribution	\$ 3,898	\$ 9,327	\$ 5,782	162	
C15	GO165 Corrective Maintenance Program – Underground	\$ 37,937	\$ 46,865	61	Ex. SDG&E-11	002290.001	UG Distribution	\$ 11,225	\$ 11,225	\$ 11,225	3	
C16	GO 165 Manhole, Vault Restoration Program	\$ 8,220	\$ 10,153	27	Ex. SDG&E-11	002890.001	Manhole/Handhole	\$ 4,311	\$ 4,311	\$ 4,311	34	
C17	Management of Underground Distribution Service (Non-CMP)	\$ 9,639	\$ 11,908	0	Ex. SDG&E-11	002270.001	N/A	\$ 3,353	\$ 3,353	\$ 3,353	0	
C18	Distribution Circuit Reliability	\$ 9,947	\$ 12,288	15	Ex. SDG&E-11	932400.001	OH Distribution	\$ 1,147	\$ 1,369	\$ 1,369	506	
					Ex. SDG&E-11	932400.001	UG Distribution	\$ 1,720	\$ 2,053	\$ 2,053	500	
					Ex. SDG&E-11	932400.002	OH Distribution	\$ 235	\$ 281	\$ 281	506	
					Ex. SDG&E-11	932400.002	UG Distribution	\$ 352	\$ 421	\$ 421	500	
C19	Minor Distribution Substation Reliability Projects	\$ 4,503	\$ 5,565	0	Ex. SDG&E-11	002030.001	N/A	\$ 1,376	\$ 1,376	\$ 1,376	0	
C20:T1	Batiquitos 12kV Replacements	\$ 6,334	\$ 7,825	34	Ex. SDG&E-11	No funding request in GRC: In-service delayed						
C20:T2	Bernardo 12kV Breakers Replacements	\$ 846	\$ 1,045	146	Ex. SDG&E-11	20263A.001	Substation	\$ -	\$ -	\$ 927	4	
C20:T3	Chicarita 12kV Replacements	\$ 3,588	\$ 4,432	60	Ex. SDG&E-11	No funding request in GRC: In-service delayed						
C20:T4	Laguna Niguel 12kV Replacements	\$ 7,397	\$ 9,137	45	Ex. SDG&E-11	No funding request in GRC: In-service delayed						
C20:T5	Miramar 12kV Replacements	\$ 1,112	\$ 1,374	101	Ex. SDG&E-11	20267A.001	Substation	\$ 72	\$ 1,218	\$ 99	40	
C20:T6	Scripps 12kV Replacements	\$ 10,476	\$ 12,940	25	Ex. SDG&E-11	No funding request in GRC: In-service delayed						
C20:T7	Pacific Beach Bus Tie Replacements	\$ 1,950	\$ 2,409	81	Ex. SDG&E-11	No funding request in GRC: In-service delayed						
C20:T8	Coronado 69/12kV Transformer Replacements	\$ 1,402	\$ 1,731	12	Ex. SDG&E-11	202740.001	Substation	\$ 526	\$ 976	\$ 695	3	

Witnesses: Ex SDG&E-11: Electric Distribution Capital; Ex. SDG&E-13: Wildfire Mitigation and Vegetation Management

Workpaper 1
 SDG&E Test Year 2024 General Rate Case
 2021 RAMP to GRC Mapping
 SDG&E-Risk-2: Electric Infrastructure Integrity - Capital
 (\$000s)

2021 RAMP					TY 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024			RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High	RSE								
C21	Distribution Substation Obsolete Equipment	\$ 6,663	\$ 8,232	8	Ex. SDG&E-11	992820.001	Substation	\$ 2,107	\$ 2,107	\$ 2,107	1	
C22	Emergency Transformer and Switchgear	\$ 658	\$ 812	0	Ex. SDG&E-11	062540.001	N/A	\$ 3,275	\$ 334	\$ 334	0	
C23	San Mateo Substation Rebuild	\$ 11,813	\$ 14,592	15	Ex. SDG&E-11	No funding request in GRC: In-service delayed						
C24	Urban Substation Rebuild	\$ 3,498	\$ 4,322	63	Ex. SDG&E-11	192520.001	Substation	\$ 5,570	\$ 16,018	\$ -	0	
C26	Power Quality Monitor Deployment and Replacement	\$ 1,332	\$ 1,647	0	Ex. SDG&E-11	942410.001	N/A	\$ 602	\$ 602	\$ 602	0	
					Ex. SDG&E-11	942410.002	N/A	\$ 198	\$ 198	\$ 198	0	
					Ex. SDG&E-11	942410.003	N/A	\$ 1,500	\$ 1,500	\$ 1,500	0	
C27	Distribution Substation SCADA Expansion	\$ 4,787	\$ 5,914	0	Ex. SDG&E-11	152430.001	N/A	\$ 1,201	\$ 2,527	\$ 1,776	0	
C28	Field SCADA RTU Replacement	\$ 1,924	\$ 2,378	91	Ex. SDG&E-11	162770.001	UG Distribution	\$ 1,118	\$ 622	\$ 632	1137	
C29	SCADA Capacitors	\$ 2,028	\$ 2,504	31	Ex. SDG&E-11	112490.001	OH Distribution	\$ 688	\$ 689	\$ 689	92	
					Ex. SDG&E-11	112490.001	UG Distribution	\$ 295	\$ 295	\$ 295	68	
M01	Non-HFTD Wireless Fault Indicator	\$ 2,805	\$ 3,465	0	Ex. SDG&E-11	202880.001	N/A	\$ 23	\$ 1,243	\$ 1,243	0	
M02	UG Fault Detection	\$ 1,500	\$ 1,851	0	Ex. SDG&E-11	No funding request in GRC: Rescoped						
New01	Mission 12KV Replacements	RAMP Post-Filing			Ex. SDG&E-11	202680.001	Substation	\$ 2,066	\$ 556	\$ -	0	
New02	Stuart 12kV Transformer Replacement	RAMP Post-Filing			Ex. SDG&E-11	20270A.001	Substation	\$ -	\$ 657	\$ 870	1	
New03	La Jolla 69/12kV Transformer Replacement	RAMP Post-Filing			Ex. SDG&E-11	202750.001	Substation	\$ 1,258	\$ 1,763	\$ 108	10	
New04	Poway 69kV Substation Rebuild	RAMP Post-Filing			Ex. SDG&E-11	141430.001	Substation	\$ 1,517	\$ -	\$ -	0	
New05	San Marcos Substation 69kV Rebuild & 12kV Switchgear	RAMP Post-Filing			Ex. SDG&E-11	171600.001	Substation	\$ 93	\$ 3,755	\$ 101	6	
New06	Substation Modification To Support FLISR	RAMP Post-Filing			Ex. SDG&E-11	172430.001	Substation	\$ 887	\$ -	\$ -	0	
New07	Torrey Pines 12kV Breaker Replacements	RAMP Post-Filing			Ex. SDG&E-11	202420.001	Substation	\$ 1,169	\$ -	\$ -	0	
New08	El Cajon 12kV Breaker Replacements	RAMP Post-Filing			Ex. SDG&E-11	202450.001	Substation	\$ 821	\$ 880	\$ -	0	
New09	Strategic Pole Replacement Program (Non-HFTD)	RAMP Post-Filing			Ex. SDG&E-11	222410.001	OH Distribution	\$ -	\$ 1,079	\$ 5,993	710	

Witnesses: Ex SDG&E-11: Electric Distribution Capital; Ex. SDG&E-13: Wildfire Mitigation and Vegetation Management

Workpaper 1

SDG&E Test Year 2024 General Rate Case

2021 RAMP to GRC Mapping

SDG&E-Risk-3: Incident Related to the High Pressure System (Excluding Dig-in) - Capital (\$000s)

2021 RAMP					TY 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024			RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High	RSE								
C01-T1	Cathodic Protection - Capital - HCA	\$ 192	\$ 234	489	Ex. SDG&E-06	004160.001	Transmission - HCA	\$ 786	\$ 786	\$ 786	166	
C01-T2	Cathodic Protection - Capital - Non-HCA	\$ 391	\$ 475	388	Ex. SDG&E-06	004160.001	Transmission - Non-HCA	\$ 173	\$ 173	\$ 173	54	
C03-T1	Leak Repair - HCA	\$ 1,943	\$ 2,353	6	Ex. SDG&E-06	004120.001	Transmission - HCA	\$ 818	\$ 818	\$ 818	23	
C03-T2	Leak Repair - Non-HCA	\$ 3,946	\$ 4,777	5	Ex. SDG&E-06	004120.001	Transmission - Non-HCA	\$ 180	\$ 180	\$ 180	34	
C04-T1	Pipeline Relocation/Replacement - HCA	\$ 1,815	\$ 2,195	131	Ex. SDG&E-06	004120.002	Transmission - HCA	\$ 14,181	\$ -	\$ -	0	
					Ex. SDG&E-06	004120.002	Transmission - Non-HCA	\$ 3,113	\$ -	\$ -	0	
C04-T2	Pipeline Relocation/Replacement - Non-HCA	\$ 3,683	\$ 4,459	62	Ex. SDG&E-06	004120.003	Transmission - HCA	\$ 408	\$ 408	\$ 408	46	
					Ex. SDG&E-06	004120.003	Transmission - Non-HCA	\$ 90	\$ 90	\$ 90	96	
C05-T1	Shallow/Exposed Pipe Remediation - HCA	\$ 2,797	\$ 3,385	9	Ex. SDG&E-06	004120.004	Transmission - HCA	\$ 408	\$ 408	\$ 408	5307	
C05-T2	Shallow/Exposed Pipe Remediation - Non-HCA	\$ 5,678	\$ 6,874	6	Ex. SDG&E-06	004120.004	Transmission - Non-HCA	\$ 90	\$ 90	\$ 90	207	
C08	Compressor Stations-Capital	\$ 30,131	\$ 36,474	91	Ex. SDG&E-06	004150.001	Transmission - Facilities	\$ 6,564	\$ 6,564	\$ 6,564	4	
C10-T1	Measurement & Regulation - Capital -HCA	\$ 634	\$ 768	86	Ex. SDG&E-06	004080.001	Transmission - HCA	\$ 670	\$ 670	\$ 670	10	
					Ex. SDG&E-06	004080.002	Transmission - HCA	\$ 670	\$ 670	\$ 670	10	
C10-T2	Measurement & Regulation - Capital - Non-HCA	\$ 1,288	\$ 1,560	57	Ex. SDG&E-06	004080.001	Transmission - Non-HCA	\$ 148	\$ 148	\$ 148	1	
					Ex. SDG&E-06	004080.002	Transmission - Non-HCA	\$ 149	\$ 149	\$ 149	1	
C13	Security and Auxiliary Equipment	\$ 2,095	\$ 2,536	1	Ex. SDG&E-06	004190.001	Overall	\$ 230	\$ 230	\$ 230	4	
C15-T1	Integrity Assessments & Remediation (HCA)	\$ 15,228	\$ 19,458	355	Ex. SDG&E-09	034680.001	Transmission - HCA	\$ 19,152	\$ 16,529	\$ 8,826	20	
C15-T2	Integrity Assessments & Remediation (Non-HCA)	\$ 3,573	\$ 4,564	300	Ex. SDG&E-09	034680.001	Transmission - non-HCA	\$ 2,325	\$ 2,643	\$ 464	9	
M01-T1.1	PSEP - Pipeline Replacement (Phase 2B, GRC base, HCA)	\$ 9,500	\$ 11,500	731	Ex. SDG&E-09	No specific funding request in GRC: Included in C15 - T1						
M01-T1.2	PSEP - Pipeline Replacement (Phase 2B, GRC base, non-HCA)	\$ 9,500	\$ 11,500	468	Ex. SDG&E-09	No specific funding request in GRC: Included in C15 - T2						
M01-T1.3	PSEP - Hydrotesting (Phase 2B, GRC base, HCA)	\$ 2,850	\$ 3,450	161	Ex. SDG&E-09	No specific funding request in GRC: Included in C15 - T1						
M01-T1.4	PSEP - Hydrotesting (Phase 2B, GRC base, non-HCA)	\$ 2,850	\$ 3,450	103	Ex. SDG&E-09	No specific funding request in GRC: Included in C15 - T2						
M02-T1	GTSR - MAOP Reconfirmation (HCA)	\$ 9,360	\$ 29,952	7	Ex. SDG&E-09	214770.001	Transmission - HCA	\$ -	\$ 2,202	\$ 24,780	5	
M02-T2	GTSR - MAOP Reconfirmation (Non-HCA)	\$ 390	\$ 1,248	4	Ex. SDG&E-09	214770.001	Transmission - Non-HCA	\$ -	\$ 141	\$ 1,581	8	
M03-T1	GTSR - Material Verification (HCA)	\$ 24	\$ 74	1	Ex. SDG&E-09	No specific funding request in GRC: Included in C15 - T1						
M03-T2	GTSR - Material Verification (Non-HCA)	\$ 6	\$ 15	6	Ex. SDG&E-09	No specific funding request in GRC: Included in C15 - T2						
M04	Adobe Falls Relocation Project	\$ 1,900	\$ 2,300	167	Ex. SDG&E-04	005010.003	Supply Line	\$ 2,192	\$ 1,891	\$ -	0	
New01	New - Facility Integrity Management (FIMP)- Distribution		RAMP Post-Filing		Ex. SDG&E-09	214780.001	Supply Line	\$ -	\$ -	\$ 100	21	
New02	New - Valve Rule		RAMP Post-Filing		Ex. SDG&E-09	214770.005	N/A	\$ -	\$ 613	\$ 462	0	
New03	New - Gas Transmission Safety Rule (GTSR) Part 2 (HCA and Non-HCA)		RAMP Post-Filing		Ex. SDG&E-09	214770.003	N/A	\$ -	\$ 265	\$ 333	0	
New04	New - Facility Integrity Management (FIMP)- Transmission		RAMP Post-Filing		Ex. SDG&E-09	214780.002	Transmission-Facilities	\$ -	\$ -	\$ 45	37	

Witnesses: Ex. SDG&E-06: Gas Transmission Operations and Construction; Ex. SDG&E-09: Gas Integrity Management Programs; Ex. SDG&E-04: Gas Distribution

Workpaper 1
SDG&E Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SDG&E-Risk-4: Incident Involving a Contractor - Capital
(\$000s)

2021 RAMP					TY 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024			RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High	RSE								
C02	Field Safety Oversight	\$ 13,500	\$ 16,341	35	Ex. SDG&E-31	S09060.001	Overall	\$ 6,300	\$ 6,300	\$ 6,300	60	
M01	Enterprise-Wide Contractor Incident and Schedule Management	\$ 285	\$ 345	0	Ex. SDG&E-31	S09060.002	NA	\$ -	\$ 173	\$ 172	0	
M02	Enhanced Verification of Class 1 Contractor Employee Specific Training	\$ 570	\$ 690	86	Ex. SDG&E-31	S09060.003	Overall	\$ -	\$ 345	\$ 345	110	

Witness Area Ex. SDG&E-31: Safety and Risk Management Systems

Workpaper 1
SDG&E Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SDG&E-Risk-6: Cybersecurity - Capital
(\$000s)

2021 RAMP					TY 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024			RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High	RSE								
C01	Perimeter Defenses	\$ 10,013	\$ 12,795	160	Ex. SDG&E-26	00906G.001	Overall	\$ -	\$ 2,300	\$ 2,300	504	
C02	Internal Defenses	\$ 9,405	\$ 12,018	95	Ex. SDG&E-26	00906H.001	Overall	\$ 1,138	\$ 1,150	\$ 1,150	299	
C03	Sensitive Data Protection	\$ 6,807	\$ 8,698	62	Ex. SDG&E-26	00906K.001	Overall	\$ 995	\$ 1,610	\$ 1,610	202	
C04	Operational Technology (OT) Cybersecurity	\$ 16,245	\$ 20,758	112	Ex. SDG&E-26	00906L.001	Overall	\$ 6,291	\$ 3,450	\$ 3,450	527	
C05	Obsolete IT Infrastructure and Application Replacement	\$ 7,920	\$ 10,121	102	Ex. SDG&E-26	00906J.001	Overall	\$ -	\$ 1,150	\$ 1,150	371	

Witness Area Ex. SDG&E-26: Cybersecurity

Workpaper 1
SDG&E Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SDG&E-Risk-8: Incident Involving an Employee - Capital
(\$000s)

2021 RAMP					TY 2024 GRC						
ID	Control / Mitigation Name	2022 - 2024		RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High								
C11	Jobsite Safety Programs	\$ 654	\$ 792	9	Multiple	No specific funding request in GRC: Included in other requests					
C16	Energized Test Yard	GRC: Rescoped to include			Ex. SDG&E-11	172590.001	Overall	\$ 808	\$ -	\$ -	0

Witness Areas Ex. SDG&E-11: Electric Distribution

Workpaper 1
SDG&E Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SDG&E-Risk-7: Excavation Damage (Dig-in) on the Gas System - Capital
(\$000s)

2021 RAMP					TY 2024 GRC						
ID	Control / Mitigation Name	2022 - 2024			Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High	RSE							
C13	Locating Equipment and supporting computer Hardware/Software - (MP)	\$ 602	\$ 769	179	Ex. SDG&E-04	005060.002	Overall	\$225	\$225	\$225	181
C14	Locating Equipment and supporting computer Hardware/Software - (HP)	\$ 134	\$ 171	456	Ex. SDG&E-06	No specific funding request in GRC: Included in other requests					
C23	Excess Flow Valve or Curb Valve Installation - (MP)	\$ 293	\$ 374	83	Ex. SDG&E-04	No specific funding request in GRC: Included in other requests					
C27	Warning Mesh - (MP)	\$ 226	\$ 273	26	Ex. SDG&E-04	No specific funding request in GRC: Included in other requests					
C28	Warning Mesh - (HP)	\$ 52	\$ 62	2702	Ex. SDG&E-04	No specific funding request in GRC: Included in other requests					
C31	Enhance Ticket Management Software - (MP)	\$ 90	\$ 114	17	Ex. SDG&E-25	No funding request in GRC: Project concluded					
C32	Enhance Ticket Management Software - (HP)	\$ 21	\$ 26	39	Ex. SDG&E-25	No funding request in GRC: Project concluded					
M13	Pipeline Monitoring Technologies - (HP)	\$ 1,524	\$ 2,202	0	Ex. SDG&E-06	Not included in GRC: Rescoped					

Witness Areas Ex. SDG&E-04: Gas Distribution; Ex. SDG&E 06: Gas Transmission Operations and Construction; Ex. SDG&E-25: Information Technology

Workpaper 1
SDG&E Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SDG&E-Risk-9: Incident Related to the Medium Pressure System (Excluding Dig-in) - Capital
(\$000s)

2021 RAMP					TY 2024 GRC						
ID	Control / Mitigation Name	2022 - 2024		RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High								
C02	Cathodic Protection Program - Capital	\$ 17,796	\$ 21,542	25	Ex. SDG&E-04	005090.001	Supply Line	\$ 242	\$ 242	\$ 242	47
					Ex. SDG&E-04	005090.001	Main-Steel	\$ 4,251	\$ 4,251	\$ 4,251	1
C03	Piping in Vaults Replacement Program	\$ 8,607	\$ 10,419	6	Ex. SDG&E-04	195680.001	Main-Steel	\$ 1,500	\$ 1,500	\$ 1,500	3
C05	Regulator Station Replacements	\$ 5,400	\$ 6,900	3	Ex. SDG&E-04	005100.001	Supply Line	\$ 652	\$ 652	\$ 652	94
					Ex. SDG&E-04	005100.001	Main-Steel & Plastic	\$ 1,304	\$ 1,304	\$ 1,304	0.7
C06	Leak Repair	\$ 26,868	\$ 32,523	15	Ex. SDG&E-04	005080.001	Main-Plastic	\$ 4,643	\$ 5,046	\$ 5,450	66
					Ex. SDG&E-04	005080.001	Main-Steel	\$ 7,292	\$ 7,927	\$ 8,560	40
C08-T1	Underperforming Steel Replacement Program -Threaded Main (pre- 1933 vintage)	\$ 26,271	\$ 31,803	6	Ex. SDG&E-04	195650.001	Main-Steel	\$ 7,000	\$ 7,000	\$ 7,000	0.4
C08-T2	Underperforming Steel Replacement Program (1934 - 1965 vintage)	\$ 20,805	\$ 25,185	6	Ex. SDG&E-04	195640.001	Main-Steel	\$ 3,000	\$ 3,000	\$ 3,000	1
C08-T3	Underperforming Steel Replacement Program - Other Steel (Post 1965 vintage)	\$ 10,167	\$ 12,306	9	Ex. SDG&E-04	005140.001	Main-Steel	\$ 3,001	\$ 3,001	\$ 3,001	5
C09-T1	Early Vintage Program - Oil Drip Piping Removal	\$ 6,801	\$ 8,233	13	Ex. SDG&E-04	195670.001	Main-Steel	\$ 1,500	\$ 1,500	\$ 1,500	10
C09-T2	Early Vintage Program - Dresser Mechanical Coupling Removal	\$ 8,826	\$ 10,686	1	Ex. SDG&E-04	195660.001	Main-Steel	\$ 2,000	\$ 2,000	\$ 2,000	1
C09-T3	Early Vintage Program - Removal of Closed Valves Between High/Medium Zones	\$ 735	\$ 890	6	Ex. SDG&E-04	195690.001	Main-Steel	\$ 1,500	\$ 1,500	\$ 1,500	1
C10	Code Compliance Mitigation	\$ 5,901	\$ 7,143	10	Ex. SDG&E-04	005070.001	Meter & Beyond the Meter	\$ 2,662	\$ 2,662	\$ 2,662	1
					Ex. SDG&E-04	125510.001	Supply Line	\$ 108	\$ 108	\$ 108	0.4
C12	Cathodic Protection System Enhancements	\$ 2,982	\$ 3,609	4	Ex. SDG&E-04	125510.001	Main-Steel	\$ 1,888	\$ 1,888	\$ 1,888	0.02
C13	Human Factors Mitigations - Gas Handling Plans	\$ 998	\$ 1,274	0	Ex. SDG&E-04	G09020.002	N/A	\$ 294	\$ 369	\$ 445	0
C14	Human Factors Mitigations - Operator Qualification Training and Certification	\$ 1,254	\$ 1,518	0.4	Ex. SDG&E-04	005060.003	Overall	\$ 440	\$ 440	\$ 440	0.5
C16-T1	DIMP: DREAMS- Vintage Integrity Plastic Plan	\$ 157,605	\$ 182,490	3	Ex. SDG&E-09	095460.001	Main-Plastic	\$ 60,230	\$ 64,482	\$ 70,534	0.2
C17	CCM Distribution Field Asset Real Time Monitoring et al	\$ 12,419	\$ 17,939	0	Ex. SDG&E-04	215740.001	N/A	\$ 449	\$ 3,235	\$ 4,080	0
C19	Field and Public Safety	\$ 1,623	\$ 1,962	0.2	Ex. SDG&E-04	005000.003	Meter & Beyond the Meter	\$ 569	\$ 569	\$ 569	0.03
M01	Safety Control Valves	\$ 6,846	\$ 8,745	5	Ex. SDG&E-04	Not included in GRC; Rescoped					
M02	Cathodic Protection System Enhancements – Real Time Monitoring	\$ 2,700	\$ 3,450	69	Ex. SDG&E-04	Not included in GRC; Rescoped					
M03	Replace Curb Valves with EFVs	\$ 7,224	\$ 8,745	61	Ex. SDG&E-04	215750.001	Plastic - Main & Service	\$ 1,000	\$ 1,750	\$ 1,750	11
New01	MSAs inside Buildings & Alcoves	RAMP Post-Filing			Ex. SDG&E-04	005010.004	Meter & Beyond the Meter	\$ 1,400	\$ 1,400	\$ -	0

Witness A eas Ex. SDG&E-04: Gas Distribution; Ex. SDG&E-09 Gas Integrity Management Programs

Workpaper 1
SDG&E Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SDG&E-CFF-1: Asset Management - Capital
(\$000s)

2021 RAMP					TY 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024		RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE	
		Low	High									
1	AIM (Gov, Strat, AIP)	\$ 25,000	\$ 35,000	0	Ex. SDG&E-25	00920BL.001	NA	\$ 3,314	\$ 5,694	\$ 3,731	0	
2a	Asset Data Syst & Rec Mgt (Gov, Quality, Rec Mgt)	\$ 2,700	\$ 3,300	0	Ex. SDG&E-13	218770.001	N/A	\$ 1,784	\$ 3,065	\$ 2,008	0	
					Ex. SDG&E-13	218790.001	N/A	\$ 1,889	\$ 1,970	\$ 2,496	0	
2b	Asset Data Syst & Rec Mgt (Data Integration)	\$ 19,800	\$ 24,200	0	Ex. SDG&E-25	00920BM.001	N/A	\$ 4,389	\$ 4,269	\$ 2,347	0	
					Ex. SDG&E-13	218820.001	N/A	\$ 4,692	\$ 4,530	\$ -	0	
3	AIMDAT (Data Analytics)	\$ 1,900	\$ 2,400	0	Ex. SDG&E-11	E09010.002	N/A	\$ 105	\$ 132	\$ 132	0	

Witness Areas Ex. SDG&E-25: Information Technology; Ex. SDG&E-13: Wildfire Mitigation and Vegetation Management; Ex. SDG&E-11: Electric Distribution Capital

Workpaper 1
SDG&E Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SDG&E-CFF-3: Emergency Preparedness and Response and Pandemic - Capital
(\$000s)

2021 RAMP					TY 2024 GRC						
ID	Control / Mitigation Name	2022 - 2024		RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High								
EPR-07	Emergency Operations Center (EOC)	\$3,141	\$3,840	0	Ex. SDG&E-13	No specific funding request in GRC: Duplicate with Wildfire risk activities					

Witness Area Ex. SDG&E-13: Wildfire Mitigation and Vegetation Management

Workpaper 1
SDG&E Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SDG&E-CFF-4: Foundational Technology Systems - Capital
(\$000s)

2021 RAMP					TY 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024		RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE	
		Low	High									
1	Data Center Modernization	\$13,411	\$ 17,136	0	Ex. SDG&E-25	00908AA.001	NA	\$ 793	\$ -	\$ -	0	
					Ex. SDG&E-25	00908AC.001	NA	\$ 193	\$ -	\$ -	0	
					Ex. SDG&E-25	00908G.001	NA	\$ -	\$ 2,080	\$ -	0	
					Ex. SDG&E-25	00908I.001	NA	\$ 629	\$ -	\$ -	0	
					Ex. SDG&E-25	00908J.001	NA	\$ -	\$ 631	\$ -	0	
					Ex. SDG&E-25	00908K.001	NA	\$ 549	\$ -	\$ -	0	
					Ex. SDG&E-25	00908L.001	NA	\$ -	\$ 1,775	\$ -	0	
2	Network & Voice System Resiliency	\$82,541	\$105,469	0	Ex. SDG&E-25	00925B.001	NA	\$ 522	\$ 115	\$ -	0	
					Ex. SDG&E-25	00925E.001	NA	\$ 462	\$ 93	\$ -	0	
					Ex. SDG&E-25	00925F.001	NA	\$ 1,193	\$ 1,193	\$ 1,193	0	
					Ex. SDG&E-25	00925H.001	NA	\$ 477	\$ -	\$ -	0	
					Ex. SDG&E-25	00925I.001	NA	\$ 4,413	\$ -	\$ -	0	
					Ex. SDG&E-25	00925J.001	NA	\$ -	\$ 4,413	\$ -	0	
					Ex. SDG&E-25	00925K.001	NA	\$ -	\$ -	\$ 4,413	0	
					Ex. SDG&E-25	00925L.001	NA	\$ 3,734	\$ 4,245	\$ 4,945	0	
					Ex. SDG&E-25	00925M.001	NA	\$ 10,357	\$ -	\$ -	0	
					Ex. SDG&E-25	00925N.001	NA	\$ 2,999	\$ -	\$ -	0	
					Ex. SDG&E-25	00925Q.001	NA	\$ 1,836	\$ 3,721	\$ 3,721	0	
					Ex. SDG&E-25	00925R.001	NA	\$ 2,495	\$ 2,927	\$ 3,032	0	
					Ex. SDG&E-25	00925S.001	NA	\$ 50	\$ -	\$ -	0	
Ex. SDG&E-25	00925T.001	NA	\$ 271	\$ -	\$ -	0						
3	Monitoring Systems and Services	\$ 4,800	\$ 6,134	0	Ex. SDG&E-25	00908AE.001	NA	\$ 497	\$ -	\$ -	0	
					Ex. SDG&E-25	00908O.001	NA	\$ -	\$ 1,273	\$ -	0	
					Ex. SDG&E-25	00920BB.002	NA	\$ 1,986	\$ 1,986	\$ 1,986	0	

Witness Area Ex. SDG&E-25: Information Technology

Workpaper 1
SDG&E Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SDG&E-CFF-4: Foundational Technology Systems - Capital
(\$000s)

2021 RAMP					TY 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024		RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE	
		Low	High									
4	Electric Operations Systems Resiliency	\$89,919	\$114,894	0	Ex. SDG&E-25	00920AM.001	NA	\$ 4,713	\$ 500	\$ -	0	
					Ex. SDG&E-25	00920AW.001	NA	\$ 171	\$ -	\$ -	0	
					Ex. SDG&E-25	00920AX.001	NA	\$ 1,558	\$ -	\$ -	0	
					Ex. SDG&E-25	00920BC.002	NA	\$ 1,633	\$ 1,633	\$ 1,604	0	
					Ex. SDG&E-25	00920BE.002	NA	\$ 1,235	\$ 3,960	\$ 3,960	0	
					Ex. SDG&E-25	00920BF.002	NA	\$ 1,736	\$ 1,536	\$ 1,536	0	
					Ex. SDG&E-25	00920BG.001	NA	\$ 466	\$ -	\$ -	0	
					Ex. SDG&E-25	00920BH.001	NA	\$ 210	\$ -	\$ -	0	
					Ex. SDG&E-25	00920BI.003	NA	\$ -	\$ 618	\$ 330	0	
					Ex. SDG&E-25	00920H.001	NA	\$ -	\$ 3,489	\$ 3,544	0	
					Ex. SDG&E-25	00920M.001	NA	\$ 1,564	\$ 2,344	\$ 324	0	
Ex. SDG&E-25	00920P.001	NA	\$ 4,505	\$ 3,680	\$ 3,680	0						
Ex. SDG&E-25	00920R.001	NA	\$ -	\$ 5,753	\$ 1,678	0						
5	Gas Operations Systems Resiliency	\$16,122	\$ 20,601	0	Ex. SDG&E-25	00920AI.001	NA	\$ 13,400	\$ 10,437	\$ 13,206	0	
					Ex. SDG&E-25	00920T.002	NA	\$ -	\$ 3,402	\$ 6,090	0	
6	End User Access and Support Services	\$18,999	\$ 24,277	0	Ex. SDG&E-25	00908B.001	NA	\$ 10,694	\$ -	\$ -	0	
					Ex. SDG&E-25	00908C.001	NA	\$ -	\$ 1,550	\$ 1,550	0	
7	IT Service Continuity	\$ 9,720	\$ 12,420	0	Ex. SDG&E-25	00908V.001	NA	\$ 1,112	\$ -	\$ -	0	
					Ex. SDG&E-25	00908Y.001	NA	\$ 324	\$ -	\$ -	0	
8	Cloud Resiliency Services	\$ 3,129	\$ 3,999	0	Ex. SDG&E-25	00908W.001	NA	\$ -	\$ -	\$ 2,000	0	
					Ex. SDG&E-25	00908X.001	NA	\$ 5,968	\$ 4,812	\$ 5,312	0	
9	Emergency Operations Center (EOC) Technology Resiliency	\$ 7,655	\$ 9,782	0	Ex. SDG&E-25	00908F.001	NA	\$ 863	\$ -	\$ -	0	
					Ex. SDG&E-25	00908H.001	NA	\$ 349	\$ -	\$ -	0	
					Ex. SDG&E-25	00920BK.001	NA	\$ 841	\$ 2,748	\$ -	0	

Witness Area Ex. SDG&E-25: Information Technology

Workpaper 1
 SDG&E Test Year 2024 General Rate Case
 2021 RAMP to GRC Mapping
 SDG&E-CFF-5: Physical Security - Capital
 (\$000s)

2021 RAMP					TY 2024 GRC						
		2022 - 2024									
ID	Control / Mitigation Name	Low	High	RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
1	Physical Security	\$3,654	\$4,464	0	Multiple	No specific funding request in the GRC: Included in other requests					
2	Contract Security	\$672	\$822	0	Multiple	No specific funding request in the GRC: Included in other requests					

Witness Areas: Multiple

Workpaper 1
SDG&E Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SDG&E-CFF-6: Records Management - Capital
(\$000s)

2021 RAMP					TY 2024 GRC						
ID	Control / Mitigation Name	2022 - 2024			Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High	RSE							
New01	New: Gas Geographic Information System (GGIS) Group	RAMP Post-Filing			Ex. SDG&E-04	G09020.003	N/A	\$ 1,191	\$ 1,191	\$ 1,191	0
New02	GGIS Growth	RAMP Post-Filing			Ex. SDG&E-04	G09020.009	N/A	\$ 107	\$ 204	\$ 194	0

Witness Areas Ex. SDG&E-04: Gas Distribution