

Company: Southern California Gas Company (U 904 G)
Proceeding: 2024 General Rate Case
Application: A.22-05-015
Exhibit No: SCG-03-CWP-2R

SECOND REVISED WORKPAPERS TO
PREPARED DIRECT TESTIMONY
OF GREGORY S. FLORES
ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY
BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA
NOVEMBER 2022



Workpaper 1
SoCalGas Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SCG-Risk-1 Incident Related to the High Pressure System (Excluding Dig-in) - Capital
(\$000s)

2021 RAMP Report					Test Year 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	\$ 14,451	\$ 17,493	77	Ex. SCG-06	003060.001	Transmission - HCA	\$ 2,640	\$ 2,640	\$ 2,310	657	
C01-T2	Cathodic Protection - Capital - Non-HCA	\$ 29,339	\$ 35,516	51	Ex. SCG-06	003060.001	Transmission - Non-HCA	\$ 5,360	\$ 5,360	\$ 4,690	363	
C03-T1	Leak Repair - HCA	\$ 10,949	\$ 13,253	10	Ex. SCG-06	003020.001	Transmission - HCA	\$ 3,534	\$ 3,300	\$ 3,465	17	
C03-T2	Leak Repair - Non-HCA	\$ 22,228	\$ 26,907	7	Ex. SCG-06	003020.001	Transmission - Non-HCA	\$ 7,177	\$ 6,700	\$ 7,035	10	
C05-T1	Pipeline Relocation/Replacement - HCA	\$ 20,787	\$ 25,164	36	Ex. SCG-06	003020.002	Transmission - HCA	\$ 7,068	\$ 6,600	\$ 6,930	2	
					Ex. SCG-06	003020.004	Transmission - HCA	\$ 1,418	\$ 2,199	\$ -	0	
					Ex. SCG-06	003040.001	Transmission - HCA	\$ 3,241	\$ 2,270	\$ 3,219	2	
C05-T2	Pipeline Relocation/Replacement - Non-HCA	\$ 42,205	\$ 51,090	23	Ex. SCG-06	003020.002	Transmission - Non-HCA	\$ 14,353	\$ 13,401	\$ 14,070	1	
					Ex. SCG-06	003020.004	Transmission - Non-HCA	\$ 2,880	\$ 4,466	\$ -	0	
					Ex. SCG-06	003040.001	Transmission - Non-HCA	\$ 6,582	\$ 4,610	\$ 6,538	1	
C06-T1	Shallow/Exposed Pipe Remediations - HCA	\$ 4,178	\$ 5,057	32	Ex. SCG-06	003020.003	Transmission - HCA	\$ 1,178	\$ 1,100	\$ 1,155	388	
C06-T2	Shallow/Exposed Pipe Remediations - Non-HCA	\$ 8,483	\$ 10,269	20	Ex. SCG-06	003020.003	Transmission - Non-HCA	\$ 2,392	\$ 2,234	\$ 2,345	237	
C10	Compressor Stations - Capital	\$ 58,018	\$ 70,233	67	Ex. SCG-06	003050.002	Transmission - Facilities	\$ 13,000	\$ 13,000	\$ 10,000	2	
C12-T1	Measurement & Regulation - Capital - HCA	\$ 26,421	\$ 31,984	5	Ex. SCG-06	003080.001	Transmission - HCA	\$ 9,900	\$ 9,900	\$ 8,662	2	
					Ex. SCG-06	003080.002	Transmission - HCA	\$ 3,300	\$ 3,300	\$ 2,887	2	
C12-T2	Measurement & Regulation - Capital - Non-HCA	\$ 53,644	\$ 64,937	3	Ex. SCG-06	003080.001	Transmission - Non-HCA	\$ 20,100	\$ 20,100	\$ 17,588	1	
					Ex. SCG-06	003080.002	Transmission - Non-HCA	\$ 6,700	\$ 6,700	\$ 5,863	1	
C15	Security and Auxiliary Equipment	\$ 12,887	\$ 15,600	1	Ex. SCG-06	003090.001	Overall	\$ 1,701	\$ 701	\$ 701	7	
C20	Facility Integrity Management Program (FIMP)	GRC: Rescope to Capital			Ex. SCG-09	003700.001	Transmission Facilities	\$ -	\$ -	\$ 996	3	
C21-T1	Integrity Assessments & Remediation (HCA)	\$ 158,154	\$ 202,086	83	Ex. SCG-09	002760.001	Transmission - HCA	\$ 8,476	\$ 3,494	\$ 4,469	5	
					Ex. SCG-09	P03120.001	Transmission - HCA	\$ 41,933	\$ 22,836	\$ 73,735	5	
					Ex. SCG-09	P07560.001	Transmission - HCA	\$ 2,650	\$ 2,609	\$ 2,324	5	
C21-T2	Integrity Assessments & Remediation (Non-HCA)	\$ 262,520	\$ 335,442	86	Ex. SCG-09	002760.001	Transmission - non-HCA	\$ 12,342	\$ 11,106	\$ 2,864	3	
					Ex. SCG-09	P03120.001	Transmission - non-HCA	\$ 61,063	\$ 87,327	\$ 77,255	3	
					Ex. SCG-09	P07560.001	Transmission - non-HCA	\$ 3,859	\$ 3,800	\$ 3,385	3	

Witness Areas: Ex. SCG-06 Gas Transmission Operations and Construction; Ex. SCG-08 Pipeline Safety Enhancement Plan; Ex. SCG-09 Gas Integrity Management Programs

Workpaper 1
SoCalGas Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SCG-Risk-1 Incident Related to the High Pressure System (Excluding Dig-in) - Capital
(\$000s)

2021 RAMP Report					Test Year 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024			RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High	RSE								
C22-T2.4	PSEP - Pipeline Replacement (Phase 1B, non-HCA)	\$ 65,785	\$ 79,635	6	Ex. SCG-08	00512B.001	Transmission - Non-HCA	\$ 37,814	\$ 52,377	\$ 19,943	5	
C22-T3.2	PSEP - Pipeline Replacement (Phase 2A, non-HCA)	\$ 88,981	\$ 107,714	220	Ex. SCG-08	00512C.001	Transmission - HCA	\$ 14,258	\$ 2,268	\$ 22,980	62	
C22-T3.4	PSEP - Hydrotesting (Phase 2A, non-HCA)	\$ 74,844	\$ 90,602	24	Ex. SCG-08	00512A.001	Transmission - Non-HCA	\$ 17,077	\$ 13,711	\$ 20,111	2	
C22-T4.3	PSEP - Valve enhancement (HCA)	\$ 27,253	\$ 32,991	276	Ex. SCG-08	00571A.001	Transmission - HCA	\$ 61,812	\$ 29,388	\$ 3,780	95	
C22-T4.4	PSEP - Valve enhancement (non-HCA)	\$ 5,166	\$ 6,254	743	Ex. SCG-08	00571A.001	Transmission - Non-HCA	\$ 10,548	\$ 4,176	\$ 4,884	17	
C23-T1	Blythe Compressor Station Modernization	GRC: Rescope to Include			Ex. SCG-06	003350.001	Transmission - Facilities	\$ 29,350	\$ -	\$ -	0	
					Ex. SCG-06	003350.002	Transmission - Facilities	\$ 9,654	\$ 370	\$ -	0	
C23-T2	Ventura Compressor Station Modernization	\$ 169,728	\$ 205,459	345	Ex. SCG-06	Per GRC Scoping Memo, no longer in scope						
M1-T1	GTSR - MAOP Reconfirmation (HCA)	\$ 43,844	\$ 140,296	3	Ex. SCG-09	X0367A.001	Transmission - HCA	\$ 5,306	\$ 26,470	\$ 73,541	3	
M1-T2	GTSR - MAOP Reconfirmation (Non-HCA)	\$ 17,909	\$ 57,304	2	Ex. SCG-09	X0367A.001	Transmission - Non-HCA	\$ 1,630	\$ 8,131	\$ 22,591	11	
M2-T1	GTSR - Material Verification (HCA)	\$ 82	\$ 260	1	Ex. SCG-09	No specific funding request in GRC: Included in C21 - T1						
M2-T2	GTSR - Material Verification (Non-HCA)	\$ 167	\$ 533	0	Ex. SCG-09	No specific funding request in GRC: Included in C21 - T2						
New01	Facility Integrity Management (FIMP) - Distribution	RAMP Post-Filing			Ex. SCG-09	002400.001	Supply Line	\$ -	\$ -	\$ 100	16	
New02	Valve Rule	RAMP Post-Filing			Ex. SCG-09	X0367A.005	N/A	\$ -	\$ 9,596	\$ 7,233	0	
New03	GTSR Part 2 (HCA and Non-HCA)	RAMP Post-Filing			Ex. SCG-09	X0367A.003	N/A	\$ -	\$ 4,143	\$ 5,223	0	

Witness Areas: Ex. SCG-06 Gas Transmission Operations and Construction; Ex. SCG-08 Pipeline Safety Enhancement Plan; Ex. SCG-09 Gas Integrity Management Programs

Workpaper 1
SoCalGas Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SCG-Risk-2 Excavation Damage (Dig-in) on the Gas System - Capital
(\$000s)

2021 RAMP Report					Test Year 2024 GRC						
		2022 - 2024									
ID	Control / Mitigation Name	Low	High	RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
C01	Locate & Mark Training (MP)	GRC: Rescope to Capital			Ex. SCG-04	009030.004	N/A	\$ 138	\$ 149	\$ 160	0
C02	Locate & Mark Training (HP)	GRC: Rescope to Capital			Ex. SCG-04	009030.005	N/A	\$ 10	\$ 11	\$ 12	0
C05	L&M Annual Refresher Training et al (MP)	GRC: Rescope to Capital			Ex. SCG-04	009030.006	Overall	\$ 17	\$ 17	\$ 17	21
C06	L&M Annual Refresher Training et al (HP)	GRC: Rescope to Capital			Ex. SCG-04	009030.007	Overall	\$ 1	\$ 1	\$ 1	53
C13	Locating Equipment (MP)	\$16,236	\$19,654	24	Ex. SCG-04	007250.001	Overall	\$ 1,211	\$ 565	\$ 646	0.2
C14	Locating Equipment (HP)	\$ 3,877	\$ 4,693	36	Ex. SCG-04	007250.002	Overall	\$ 289	\$ 135	\$ 154	73
C21	Prevention & Improvements - Fiber Optics - (HP)	\$ 7,577	\$ 9,172	10	Ex. SCG-09	No specific funding request in GRC: Included in other requests					
C24	Excess Flow Valve or Curb Valve Installation - (MP)	\$ 2,383	\$ 3,045	105	Ex. SCG-04	No specific funding request in GRC: Included in other requests					
C27	Company Excavator Training (MP)	GRC: Rescope to Capital			Ex. SCG-04	009030.002	N/A	\$ 192	\$ 192	\$ 192	0
C28	Company Excavator Training (HP)	GRC: Rescope to Capital			Ex. SCG-04	009030.003	N/A	\$ 14	\$ 14	\$ 14	0
C29	Warning Mesh - (MP)	\$ 753	\$ 911	19	Ex. SCG-04	No specific funding request in GRC: Included in other requests					
C30	Warning Mesh - (HP)	\$ 180	\$ 218	484	Ex. SCG-04	No specific funding request in GRC: Included in other requests					
C33	Enhance Ticket Management Software - (MP)	\$ 465	\$ 594	86	Ex. SCG-21	No funding request in GRC: Project Completed					
C34	Enhance Ticket Management Software - (HP)	\$ 111	\$ 142	115	Ex. SCG-21	No funding request in GRC: Project Completed					
C35	Leverage Data Gathered by Locating Equipment - (MP)	\$ 355	\$ 454	4	Ex. SCG-09	No funding request in GRC: Rescoped					
C36	Leverage Data Gathered by Locating Equipment - (HP)	\$ 85	\$ 108	2	Ex. SCG-09	No funding request in GRC: Rescoped					
C37	Pipeline Monitoring Technologies - (HP)	\$ 5,378	\$ 7,768	0	Ex. SCG-06	004050.001	N/A	\$ 2,038	\$ 2,608	\$ 3,746	0

Witness Areas: Ex. SCG-04 Gas Distribution; Ex. SCG-06 Gas Transmission Operations and Construction;
Ex. SCG-09 Gas Integrity Management Programs; Ex. SCG-21 Information Technology

Workpaper 1
SoCalGas Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SCG-Risk-3 Incident Related to the Medium Pressure System (Excluding Dig-in) - Capital
(\$000s)

2021 RAMP Report					Test Year 2024 GRC						
ID	Control / Mitigation Name	2022 - 2024		RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High								
C05	Regulator Station Installation & Replacement	\$ 8,217	\$ 10,868	5	Ex. SCG-04	002650.002	Supply Lines	\$ -	\$ -	\$ -	0
					Ex. SCG-04	002650.002	Mains - Plastic & Steel	\$ 504	\$ 504	\$ 504	4
					Ex. SCG-04	002650.003	Supply Lines	\$ -	\$ -	\$ 309	114
					Ex. SCG-04	002650.003	Mains - Plastic & Steel	\$ 2,583	\$ 2,583	\$ 2,274	4
C07	EPM Installations & Replacements	\$ 1,271	\$ 1,682	107	Ex. SCG-04	001810.001	Supply Lines	\$ 260	\$ 260	\$ 260	234
					Ex. SCG-04	001810.001	Mains - Plastic & Steel	\$ 418	\$ 418	\$ 418	16
C13	Valve Installation & Replacement Capital Projects	\$ 2,439	\$ 2,979	3	Ex. SCG-04	002700.001	Supply Lines	\$ 893	\$ 893	\$ 893	3
					Ex. SCG-04	002700.001	Mains - Plastic & Steel	\$ 647	\$ 647	\$ 647	2
C14	Cathodic Protection- Install / Replace Impressed Current Systems	\$ 17,693	\$ 23,399	28	Ex. SCG-04	001730.001	Supply Lines	\$ 522	\$ 522	\$ 522	2
					Ex. SCG-04	001730.001	Mains - Steel	\$ 6,005	\$ 6,005	\$ 6,005	2
					Ex. SCG-04	001730.002	Supply Lines	\$ 37	\$ -	\$ -	0
					Ex. SCG-04	001730.002	Mains - Steel	\$ 429	\$ -	\$ -	0
C15	Company Crew & Contractor Inspections on Pipeline Jobs	\$ 4,380	\$ 5,793	0	Ex. SCG-04	009030.001	N/A	\$ 1,696	\$ 1,696	\$ 1,696	0
C16	CP10 Capital Service Replacements	\$ 36,546	\$ 44,220	2	Ex. SCG-04	002560.001	Supply Lines	\$ 159	\$ 159	\$ 159	0.3
					Ex. SCG-04	002560.001	Services - Plastic & Steel	\$ 25,687	\$ 23,054	\$ 23,054	0.6
C18	Residential Meter Protection Program	\$ 23,836	\$ 31,404	91	Ex. SCG-04	002640.001	Meter and Beyond	\$ 8,250	\$ 9,900	\$ 11,550	30
C19	Main Replacements- Leakage, Abnormal Op. Conditions, CP Related	\$ 63,000	\$ 83,319	0.3	Ex. SCG-04	002520.001	Supply Lines	\$ 2,507	\$ 2,507	\$ 2,507	0.5
					Ex. SCG-04	002520.001	Mains - Plastic	\$ 16,727	\$ 14,582	\$ 14,582	0.2
					Ex. SCG-04	002520.001	Mains - Steel	\$ 605	\$ 537	\$ 537	0.2
C21-T1	Vintage Integrity Plastic Plan (VIPP)	\$501,072	\$606,561	1	Ex. SCG-09	002770.001	Mains - Plastic	\$ 118,595	\$ 140,250	\$ 188,034	0.3
					Ex. SCG-09	D07560.001	Mains - Plastic	\$ 2,500	\$ 2,501	\$ 2,504	0.3
C21-T2	Bare Steel Replacement Program (BSRP)	\$214,745	\$259,954	1	Ex. SCG-09	002770.001	Mains - Steel	\$ 93,156	\$ 72,157	\$ 24,815	0.1
					Ex. SCG-09	D07560.001	Mains - Steel	\$ 1,795	\$ 1,795	\$ 1,797	0.1
C22	DIMP - Gas Infrastructure Protection Program (GIPP)	\$ 49,146	\$ 62,798	221	Ex. SCG-09	002770.002	Meter & Beyond	\$ 14,675	\$ 14,711	\$ 14,644	36
					Ex. SCG-09	D07560.002	Meter & Beyond	\$ 331	\$ 330	\$ 325	36
C24	CCM Distribution Field Asset Real Time Monitoring et al	\$ 49,676	\$ 71,754	0	Ex. SCG-04	002500.001	N/A	\$ 16,881	\$ 17,938	\$ 16,769	0
					Ex. SCG-04	002500.002	N/A	\$ 6,475	\$ 8,365	\$ 4,765	0
					Ex. SCG-04	002500.003	N/A	\$ 150	\$ 100	\$ -	0
C32	Safety Related Field Orders	\$ 16,966	\$ 20,538	3	Ex. SCG-04	001510.001	Meter and Beyond	\$ 4,115	\$ 5,123	\$ 5,261	1

Witness Areas: Ex. SCG-04 Gas Distribution; Ex. SCG-09 Gas Integrity Management Programs

Workpaper 1
SoCalGas Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SCG-Risk-4 Incident Related to the Storage System (Excluding Dig-in) - Capital
(\$000s)

2021 RAMP Report					Test Year 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024			RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High	RSE								
C01	Integrity Demonstration, Verification, and Monitoring Practices	\$ 263,720	\$ 319,240	0.3	Ex. SCG-10	004120.003	Underground Components	\$ 7,860	\$ 1,405	\$ 7,046	4	
					Ex. SCG-09	004410.001	Underground Components	\$ 52,917	\$ 45,291	\$ 25,482	4	
C02	Well Abandonment and Replacement	\$ 120,625	\$ 146,020	3	Ex. SCG-10	004120.001	Underground Components	\$ 45,853	\$ 20,631	\$ 13,948	3	
					Ex. SCG-10	004120.002	Underground Components	\$ 29,475	\$ 35,965	\$ 36,006	3	
					Ex. SCG-09	004410.002	Underground Components	\$ 1,500	\$ 1,500	\$ 1,500	3	
C06	Compressor Overhauls	\$ 13,232	\$ 17,902	83	Ex. SCG-10	004110.001	Aboveground Facilities	\$ 16,439	\$ 16,122	\$ 15,342	1	
C07	Upgrade to Purification Equipment	\$ 17,070	\$ 23,095	6	Ex. SCG-10	004140.001	Aboveground Facilities	\$ 11,671	\$ 7,991	\$ 11,305	0.1	
M1	Facility Integrity Management Program	GRC: Rescope to Capital			Ex. SCG-09	00460A.001	Aboveground Facilities	\$ -	\$ -	\$ 1,270	1	

Witness Areas: Ex. SCG-09 Gas Integrity Management Programs; Ex. SCG-10 Gas Storage Operations and Construction

Workpaper 1
SoCalGas Test Year 2024 General Rate Case 2021
RAMP to GRC Mapping
SCG-Risk-5 Incident Involving an Employee - Capital
(\$000s)

2021 RAMP Report					Test Year 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024			RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High									
C10	Workplace Violence Prevention Programs	\$ 3,327	\$ 4,068	498	Ex. SCG-19	006530.004	Non-vehicle	\$ 5,696	\$ 5,696	\$ 5,696	591	
					Ex. SCG-19	006530.005	Non-vehicle	\$ 300	\$ 300	\$ 300	591	
M7	Workplace Violence Prevention Program Enhancements	\$ 657	\$ 951	19	Ex. SCG-06	003090.003	Non-vehicle	\$ 81	\$ 81	\$ 81	162	

Witness Areas: Ex. SCG-06 Gas Transmission Operations and Construction; Ex. SCG-19 Real Estate and Facility Operations

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

2021 RAMP Report					Test Year 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024			RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High	RSE								
C01	Perimeter Defenses	\$ 10,445	\$ 13,346	160	Ex. SCG-22	00745B.001	Overall	\$ 4,898	\$ 7,523	\$ 12,592	134	
C02	Internal Defenses	\$ 10,816	\$ 13,821	95	Ex. SCG-22	00745AD.001	Overall	\$ 15,578	\$ 7,363	\$ 11,530	110	
C03	Sensitive Data Protection	\$ 7,054	\$ 9,013	62	Ex. SCG-22	00745AA.001	Overall	\$ 7,560	\$ 9,264	\$ 6,026	104	
C04	Operational Technology (OT) Cybersecurity	\$ 14,790	\$ 18,898	112	Ex. SCG-22	00745AB.001	Overall	\$ 806	\$ 5,204	\$ 5,257	368	
C05	Obsolete (IT) Infrastructure and Application Replacement	\$ 8,928	\$ 11,407	102	Ex. SCG-22	00745AC.001	Overall	\$ -	\$ 7,434	\$ 7,510	129	

Witness Areas: Ex. SCG-22 Cybersecurity

Workpaper
SoCalGas Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SCG-CFF-1 Asset and Records Management - Capital
(\$000s)

2021 RAMP Report					Test Year 2024 GRC						
ID	Control / Mitigation Name	2022 - 2024			Witness	Workpaper	Tranche	2022	2023	2024	RSE
		Low	High	RSE							
2	Operational Compliance and Oversight	GRC: Rescope to Capital			Ex. SCG-21	00756J.001	N/A	\$ 1,686	\$ 1,343	\$ -	0
3	Information Management Systems	\$59,100	\$ 75,517	0	Ex. SCG-21	00756AB.001	N/A	\$ 11,772	\$ 8,223	\$ 7,374	0
5	Establishing a Data Lake	\$ 8,868	\$ 12,807	0	Ex. SCG-09	P07560.002	N/A	\$ 3,806	\$ 3,806	\$ 3,806	0
6	Asset Investment Planning (AIP) Tool	\$ 6,742	\$ 9,740	0	Ex. SCG-21	00756AG.001	N/A	\$ 2,720	\$ 3,088	\$ 3,088	0
7	Establish an Enterprise Asset Management Operating Model	\$10,530	\$ 15,210	0	Ex. SCG-21	No specific funding requested: Included in other requests					

Witness Areas: Ex. SCG-09 Gas Integrity Management Programs;
Ex. SCG-21 Information Technology

Workpaper 1
 SoCalGas Test Year 2024 General Rate Case
 2021 RAMP to GRC Mapping
 SCG-CFF-2 Energy Resilience - Capital
 (\$000s)

2021 RAMP Report					Test Year 2024 GRC							
ID	Control / Mitigation Name	2022 - 2024			Witness	Workpaper	Tranche	2022	2023	2024	RSE	
		Low	High	RSE								
New01	Renewable Energy Solutions	RAMP Post-Filing			Ex. SCG-19	006550.003	N/A	\$ 4,204	\$ 4,204	\$ 4,204	0	
New02	Hydrogren Stations	RAMP Post-Filing			Ex. SCG-19	00734A.001	N/A	\$ 621	\$ 20,739	\$ 8,415	0	

Witness Areas: Ex. SCG-19 Real Estate & Facility Operations

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

2021 RAMP Report					Test Year 2024 GRC						
		2022 - 2024									
ID	Control / Mitigation Name	Low	High	RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE
1	Data Center Modernization	\$ 65,534	\$ 83,738	0	Ex. SCG-21	00721B.001	N/A	\$14,616	\$15,382	\$ 9,797	0
2	Network & Voice System Resiliency	\$ 40,175	\$ 51,336	0	Ex. SCG-21	00743A.001	N/A	\$16,510	\$20,913	\$11,249	0
3	Monitoring Systems and Services	\$ 7,070	\$ 9,034	0	Ex. SCG-21	00721AJ.001	N/A	\$ 8,021	\$ 6,677	\$ 4,793	0
4	Gas Operations Systems Resiliency	\$ 109,050	\$ 139,342	0	Ex. SCG-21	00721A.001	N/A	\$46,970	\$55,338	\$62,869	0
5	End User Access and Support Services	\$ 30,420	\$ 38,870	0	Ex. SCG-21	00721E.001	N/A	\$19,738	\$ -	\$ -	0
6	IT Service Continuity	\$ 14,455	\$ 18,470	0	Ex. SCG-21	00721AS.001	N/A	\$ 5,562	\$ 5,562	\$ 5,562	0
7	Cloud Resiliency Services	\$ 3,129	\$ 3,999	0	Ex. SCG-21	00721AP.001	N/A	\$ 2,026	\$ 4,062	\$ 3,288	0
8	Emergency Operations Center (EOC) Technology Resiliency	\$ 3,505	\$ 4,479	0	Ex. SCG-21	00756AX.001	N/A	\$ 2,919	\$ 2,738	\$ 1,262	0

Witness Areas: Ex. SCG-21 Information Technology

Workpaper 1
 SoCalGas Test Year 2024 General Rate Case
 2021 RAMP to GRC Mapping
 SCG-CFF-5 Physical Security
 (\$000s)

2021 RAMP Report					Test Year 2024 GRC							
		2022 - 2024										
ID	Control / Mitigation Name	Low	High	RSE	Witness	Workpaper	Tranche	2022	2023	2024	RSE	
1	Physical Security	\$6,654	\$8,133	0	Ex. SCG-06	003090.002	N/A	\$2,218	\$2,218	\$2,218	0	
2	Contract Security	\$ 93	\$ 114	0	Multiple	No specific funding request in GRC: Included in other requests						

Witness Areas: Ex. SCG-06 Gas Transmission Operations and Construction