

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

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
AUGUST 2022



Workpaper
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) - O&M
(\$000s)

2021 RAMP Report					Test Year 2024 GRC					
ID	Control / Mitigation Name	2024			Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High	RSE						
C02-T1	Cathodic Protection - Maint. - HCA	\$ 344	\$ 440	276	Ex. SCG-06	2GT002.000	Transmission - HCA	\$ 445	\$ 445	532
C02-T2	Cathodic Protection - Maint. - Non-HCA	\$ 699	\$ 893	177	Ex. SCG-06	2GT002.000	Transmission - Non-HCA	\$ 906	\$ 906	279
C04-T1	Leak Survey & Patrol - HCA	\$ 249	\$ 318	901	Ex. SCG-06	2GT000.000	Transmission - HCA	\$ 606	\$ 731	381
C04-T2	Leak Survey & Patrol - Non-HCA	\$ 505	\$ 645	577	Ex. SCG-06	2GT000.000	Transmission - Non-HCA	\$ 1,230	\$ 1,486	108
C07-T1	Pipeline Maintenance - HCA	\$ 134	\$ 171	1336	Ex. SCG-06	2GT000.000	Transmission - HCA	\$ 153	\$ 278	639
C07-T2	Pipeline Maintenance - Non-HCA	\$ 272	\$ 347	856	Ex. SCG-06	2GT000.000	Transmission - Non-HCA	\$ 312	\$ 568	334
C08-T1	Right of Way - HCA	\$ 768	\$ 981	2	Ex. SCG-06	2GT003.000	Transmission - HCA	\$ 1,468	\$ 711	4
C08-T2	Right of Way - Non-HCA	\$ 1,559	\$ 1,992	2	Ex. SCG-06	2GT003.000	Transmission - Non-HC	\$ 2,982	\$ 1,445	2
C09-T1	Class Location (Hydrotest) - HCA	\$ 214	\$ 273	0.3	Ex. SCG-06	2GT003.000	Transmission - HCA	\$ -	\$ 237	39
C09-T2	Class Location (Hydrotest) - Non-HCA	\$ 434	\$ 555	0.3	Ex. SCG-06	2GT003.000	Transmission - Non-HCA	\$ -	\$ 483	19
C11	Compressor Station Maintenance	\$ 7,312	\$ 9,343	261	Ex. SCG-06	2GT001.000	Transmission - Facilities	\$ 10,671	\$ 12,002	3
C13-T1	M&R Stations - Maintenance - HCA	\$ 601	\$ 767	129	Ex. SCG-06	2GT000.000	Transmission - HCA	\$ 685	\$ 705	297
C13-T2	M&R Stations - Maintenance - Non-HCA	\$ 1,219	\$ 1,558	83	Ex. SCG-06	2GT000.000	Transmission - Non-HCA	\$ 1,392	\$ 1,434	156
C14	Odorization	\$ 648	\$ 784	3	Ex. SCG-06	2GT000.000	Transmission - Facilities	\$ 620	\$ 682	0.1
C16	SCADA Operation	\$ 727	\$ 929	0	Ex. SCG-06	2200-0329.000	N/A	\$ 1,185	\$ 1,185	0
					Ex. SCG-06	2200-0329.000	N/A	\$ -	\$ 105	0
C17	Control Room Monitoring, Ops and Fatigue Mgt	\$ 2,978	\$ 1,056	0	Ex. SCG-06	2200-2289.000	N/A	\$ 2,982	\$ 2,982	0
C18	Gas Transmission Planning	\$ 522	\$ 667	0	Ex. SCG-06	2200-2329.000	N/A	\$ 860	\$ 860	0
C19	Engineering, Oversight and Compliance Review	\$ 2,057	\$ 2,629	0	Ex. SCG-06	2GT003.000	N/A	\$ 1,500	\$ 2,498	0
C20	Facilities Integrity Management Program (FIMP)	\$ 3,284	\$ 6,100	0	Ex. SCG-09	2TD004.000	Transmission - Facilities	\$ -	\$ 2,482	3
C21-T1	Integrity Assessments & Remediation (HCA)	\$ 20,581	\$ 26,297	83	Ex. SCG-09	2200-7000.000	Transmission - HCA	\$ 1,004	\$ 1,512	5
					Ex. SCG-09	2TD001.000	Transmission - HCA	\$ 46,851	\$ 82,537	5
C21-T2	Integrity Assessments & Remediation (Non-HCA)	\$ 33,579	\$ 42,906	86	Ex. SCG-09	2200-7000.000	Transmission - non-HCA	\$ 492	\$ 80	3
					Ex. SCG-09	2TD001.000	Transmission - non-HCA	\$ 56,805	\$ 52,896	3
C22-T3.4	PSEP - Hydrotesting (Phase 2A, non-HCA)	\$ 55,860	\$ 67,620	24	Ex. SCG-08	2PS000.000	Transmission - non-HCA	\$ 63,412	\$ 50,682	2
M1-T1	GTSR - MAOP Reconfirmation (HCA)	\$ 28,755	\$ 92,016	3	Ex. SCG-09	2200-7003.000	Transmission - HCA	\$ -	\$ 8	3
					Ex. SCG-09	2TD005.000	Transmission - HCA	\$ -	\$ 765	3
M1-T2	GTSR - MAOP Reconfirmation (Non-HCA)	\$ 11,745	\$ 37,584	2	Ex. SCG-09	2200-7003.000	Transmission - Non-HCA	\$ -	\$ 2	11
					Ex. SCG-09	2TD005.000	Transmission - Non-HCA	\$ -	\$ 235	11
M2-T1	GTSR - Material Verification (HCA)	\$ 72	\$ 230	0.7	Ex. SCG-09	No specific funding request in GRC: Included with C21 - T1				
M2-T2	GTSR - Material Verification (Non-HCA)	\$ 147	\$ 469	0.4	Ex. SCG-09	No specific funding request in GRC: Included with C21 - T2				
New01	New: FIMP - Distribution	RAMP Post-Filing			Ex. SCG-09	2200-7002.000	Supply Line	\$ -	\$ 50	16
					Ex. SCG-09	2TD004.000	Supply Line	\$ -	\$ 1,397	16
New02	New: Valve Rule	RAMP Post-Filing			Ex. SCG-09	2200-7003.000	N/A	\$ -	\$ 2	0
					Ex. SCG-09	2TD005.000	N/A	\$ -	\$ 381	0
New03	New: GTSR Part 2 (HCA and Non-HCA)	RAMP Post-Filing			Ex. SCG-09	2200-7003.000	N/A	\$ -	\$ 2	0
					Ex. SCG-09	2TD005.000	N/A	\$ -	\$ 275	0
New04	New: FIMP - SDG&E Transmission	RAMP Post-Filing			Ex. SCG-09	2200-7002.000	Transmission - Facilities	\$ -	\$ 50	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
SoCalGas Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SCG-Risk-2 Excavation Damage (Dig-in) on the Gas System - O&M
(\$000s)

2021 RAMP Report					Test Year 2024 GRC						
ID	Control / Mitigation Name	2024			RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High	RSE							
C01	Locate and Mark Training - (MP)	\$ 426	\$ 515	0		Ex. SCG-04	2GD000.000	N/A	\$ 246	\$ 299	0
						Ex. SCG-05	2SI001.000	N/A	\$ 90	\$ 90	0
C02	Locate and Mark Training - (HP)	\$ 36	\$ 43	0		Ex. SCG-06	2GT000.000	N/A	\$ 5	\$ 5	0
						Ex. SCG-04	2GD000.000	N/A	\$ 19	\$ 22	0
C03	Locate and Mark Activities - (MP)	\$19,062	\$23,076	767		Ex. SCG-05	2SI001.000	N/A	\$ 21	\$ 21	0
						Ex. SCG-05	2200-2623.000	Overall	\$ 1,006	\$ 1,006	14
C04	Locate and Mark Activities - (HP)	\$ 4,346	\$ 5,261	55		Ex. SCG-04	2GD002.000	Overall	\$ 17,756	\$ 19,810	14
						Ex. SCG-06	2GT000.000	Overall	\$ 3,111	\$ 3,111	98
C05	L&M Annual Train and Competency Prog (MP)	\$ 49	\$ 59	23		Ex. SCG-05	2200-2623.000	Overall	\$ 238	\$ 238	98
						Ex. SCG-04	2GD002.000	Overall	\$ 11	\$ 11	98
C06	L&M Annual Train and Competency Prog (HP)	\$ 14	\$ 16	121		Ex. SCG-04	2GD000.000	Overall	\$ 1,336	\$ 1,491	98
						Ex. SCG-05	2200-2344.000	Overall	\$ 31	\$ 32	21
C07	Locate and Mark Operator Qualification - (MP)	\$ 120	\$ 145	0		Ex. SCG-06	2GT000.000	Overall	\$ 9	\$ 9	158
C08	Locate and Mark Operator Qualification - (HP)	\$ 29	\$ 35	0		Ex. SCG-04	2GD000.000	Overall	\$ 2	\$ 2	158
C09	Locate and Mark Quality Assurance - (MP)	\$ 1,902	\$ 2,302	21		Ex. SCG-05	2200-2344.000	N/A	\$ 101	\$ 101	0
C10	Locate and Mark Quality Assurance - (HP)	\$ 29	\$ 35	0		Ex. SCG-05	2200-2344.000	N/A	\$ 24	\$ 24	0
C11	Damage Prevention Analysts - (MP)	\$ 1,745	\$ 2,230	48		Ex. SCG-05	No specific funding request: Included in other requests				
C12	Damage Prevention Analysts - (HP)	\$ 367	\$ 444	3		Ex. SCG-05	No specific funding request: Included in other requests				
C15-T1	Public Awareness - Affected Public - (MP)	\$ 1,745	\$ 2,230	48		Ex. SCG-05	2200-2623.000	Overall	\$ -	\$ 1,214	52
C15-T2	Public Awareness - Emergency Officials - (MP)	\$ 345	\$ 440	36		Ex. SCG-05	2200-2623.000	Overall	\$ -	\$ 303	37
C15-T3	Public Awareness - Local Public Officials - (MP)	\$ 785	\$ 951	25		Ex. SCG-05	2SI003.000	Overall	\$ 275	\$ 275	25
C15-T4	Public Awareness - Excavators - (MP)	\$ 13	\$ 16	14		Ex. SCG-05	2SI003.000	Overall	\$ 2	\$ 2	25
C16-T1	Public Awareness - Affected Public - (HP)	\$ 20	\$ 25	63		Ex. SCG-05	2SI003.000	Overall	\$ 1	\$ 1	25
C16-T2	Public Awareness - Emergency Officials - (HP)	\$ 228	\$ 276	52		Ex. SCG-05	2SI003.000	Overall	\$ 268	\$ 268	25
C16-T3	Public Awareness - Local Public Officials - (HP)	\$ 188	\$ 227	34		Ex. SCG-05	2SI003.000	Overall	\$ 65	\$ 65	115
C16-T4	Public Awareness - Excavators - (HP)	\$ 3	\$ 4	22		Ex. SCG-05	No specific request in GRC: Included in C16-T1 & T4				
C19	Damage Prevention Policy Activities - (MP)	\$ 5	\$ 6	97		Ex. SCG-05	No specific request in GRC: Included in C16-T1 & T4				
C20	Damage Prevention Policy Activities - (HP)	\$ 54	\$ 66	78		Ex. SCG-05	2SI003.000	Overall	\$ 64	\$ 64	115
C19	Damage Prevention Policy Activities - (MP)	\$ 1	\$ 1	0		Ex. SCG-05	2200-2623.000	N/A	\$ 1	\$ 1	0
C20	Damage Prevention Policy Activities - (HP)	\$ 0	\$ 0	0		Ex. SCG-05	No specific funding request in GRC: Included in C19				

Witness Areas: Ex. SCG-04 Gas Distribution; Ex. SCG-05 Gas System Staff Technology; Ex. SCG-06 Gas Transmission Operations and Construction; Ex. SCG-21 Information Technology

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

2021 RAMP Report					Test Year 2024 GRC						
ID	Control / Mitigation Name	2024			RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High	RSE							
C22	Gold Shovel Standard Program - (MP)	\$ 2	\$ 3	0	Ex. SCG-05	2200-2623.000	N/A	\$ 2	\$ 2	0	
C23	Gold Shovel Standard Program - (HP)	\$ 0	\$ 1	0	Ex. SCG-05	2200-2623.000	N/A	\$ 1	\$ 1	0	
C25	Pipeline Patrol and Pipeline Markers - (MP)	\$ 79	\$ 101	62	Ex. SCG-06	No specific funding request in GRC: Include with C26					
C26	Pipeline Patrol and Pipeline Markers - (HP)	\$ 451	\$ 576	39	Ex. SCG-06	2GT000.000	Overall	\$ 452	\$ 452	46	
C27	Company Excavator Training - (MP)	\$ 321	\$ 411	0	Ex. SCG-04	2GD000.000	N/A	\$ 341	\$ 341	0	
					Ex. SCG-05	2SI001.000	N/A	\$ 82	\$ 82	0	
C28	Company Excavator Training - (HP)	\$ 36	\$ 47	0	Ex. SCG-06	2GT000.000	N/A	\$ 14	\$ 14	0	
					Ex. SCG-04	2GD000.000	N/A	\$ 26	\$ 26	0	
					Ex. SCG-05	2SI001.000	N/A	\$ 19	\$ 19	0	
C31	Ticket Risk Assessment and Evaluating Permit Data - (MP)	\$ 181	\$ 232	1	Ex. SCG-21	2200-0302.000	Overall	\$ 83	\$ 83	6	
C32	Ticket Risk Assessment and Evaluating Permit Data - (HP)	\$ 43	\$ 55	10	Ex. SCG-21	No specific request in the GRC: Included with C31					
C33	Enhance Ticket Management Software - (MP)	\$ 7	\$ 8	5	Ex. SCG-21	No funding request in GRC: Project complete					
C34	Enhance Ticket Management Software - (HP)	\$ 2	\$ 2	11	Ex. SCG-21	No funding request in GRC: Project complete					
C37	Pipeline Monitoring Technologies - (HP)	\$ 169	\$ 244	0	Ex. SCG-21	No specific request in GRC: Included in other requests					
M01	Automate Third Party Excavation Incident Reporting - (MP)	\$ 63	\$ 80	58	Ex. SCG-05	2200-2623.000	Overall	\$ -	\$ 85	86	
M02	Automate Third Party Excavation Incident Reporting - (HP)	\$ 15	\$ 19	70	Ex. SCG-05	2200-2623.000	Overall	\$ -	\$ 19	127	
M03	Locate and Mark Photographs - (MP)	\$ 392	\$ 501	13	Ex. SCG-05	No Funding request in GRC: Rescoped					
M04	Locate and Mark Photographs - (HP)	\$ 87	\$ 112	20	Ex. SCG-05	No Funding request in GRC: Rescoped					
M09	Outreach for Latent 3rd Party Damages - (MP)	\$ 16	\$ 21	0	Ex. SCG-05	2200-2417.000	N/A	\$ -	\$ 20	0	
M10	Outreach for Latent 3rd Party Damages - (HP)	\$ 4	\$ 5	0	Ex. SCG-05	2200-2417.000	N/A	\$ -	\$ 5	0	

Witness Areas: Ex. SCG-04 Gas Distribution; Ex. SCG-05 Gas System Staff Technology; Ex. SCG-06 Gas Transmission Operations and Construction; 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) - O&M
(\$000s)

2021 RAMP Report					Test Year 2024 GRC						
ID	Control / Mitigation Name	2024			RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High	RSE							
C01	Cathodic Protection Base Activities	\$10,851	\$ 13,130	34	Ex. SCG-04	2GD008.000	Supply Lines	\$ 1,205	\$ 1,205	27	
					Ex. SCG-04	2GD008.000	Mains - Steel	\$13,873	\$13,873	2	
C02	Cathodic Protection- CP 10%	\$ 877	\$ 1,160	115	Ex. SCG-04	2GD008.000	Services - Steel	\$ 2,174	\$ 2,174	6	
C03	CP- 100 mV Requalifications	\$ 1,105	\$ 1,338	51	Ex. SCG-04	2GD008.000	Steel - Mains & Service	\$ 74	\$ 1,216	29	
C04	M&R Station & EPM Maintenance & Inspection	\$ 3,394	\$ 4,148	92	Ex. SCG-04	2GD007.000	Supply Lines	\$ 720	\$ 720	630	
					Ex. SCG-04	2GD007.000	Mains - Plastic & Steel	\$ 3,522	\$ 3,522	24	
C06	MSA Inspection and Maintenance	\$ 1,456	\$ 1,779	81	Ex. SCG-04	2GD007.000	Meter and Beyond	\$ 1,447	\$ 1,447	130	
C08	Leak Survey	\$ 7,182	\$ 8,690	23	Ex. SCG-04	2GD001.000	Supply Lines	\$ 3,342	\$ 2,414	0.4	
					Ex. SCG-04	2GD001.000	Mains - Plastic & Steel	\$ 7,105	\$ 5,133	6	
C09, C10, C11	Pipeline Monitoring and Inspections	\$ 160	\$ 195	92	Ex. SCG-04	2GD003.000	Supply Lines	\$ 146	\$ 146	14	
					Ex. SCG-04	2GD003.000	Mains - Plastic & Steel	\$ 83	\$ 83	436	
C12	Valve Inspections and Maintenance	\$ 1,217	\$ 1,473	64	Ex. SCG-04	2GD003.000	Supply Lines	\$ 602	\$ 602	75	
					Ex. SCG-04	2GD003.000	Mains - Plastic & Steel	\$ 482	\$ 482	40	
C15	Crew & Contractor Inspections on Pipeline Jobs	\$ 306	\$ 405	0	Ex. SCG-04	2GD010.000	N/A	\$ 350	\$ 350	0	
C17	Main & Service Leak Repair	\$12,842	\$ 15,696	23	Ex. SCG-04	2GD006.000	Supply Lines	\$ 723	\$ 723	0.4	
					Ex. SCG-04	2GD006.000	Mains - Plastic & Steel	\$12,394	\$ 8,254	6	
					Ex. SCG-04	2GD006.000	Mains - Plastic & Steel	\$10,991	\$ 7,319	6	
C20	DIMP - DRIP	\$22,262	\$ 28,446	21	Ex. SCG-09	2TD002.000	Services - Steel	\$20,478	\$24,024	116	
C21-T1.1	Vintage Integrity Plastic Plan (VIPP)	\$45,515	\$ 55,097	1	Ex. SCG-09	2200-7001.000	Mains - Plastic	\$ 624	\$ 794	0.3	
					Ex. SCG-09	2TD002.000	Mains - Plastic	\$ 1,820	\$ 5,133	0.3	
C21-T2	Bare Steel Replacement Program (BSRP)	\$19,506	\$ 23,613	1	Ex. SCG-09	2TD002.000	Mains - Steel	\$ 4,001	\$ 2,200	0.1	
C22	DIMP - GIPP	\$10,428	\$ 13,325	221	Ex. SCG-09	2TD002.000	Meter and Beyond	\$ 1,107	\$ 1,548	36	
C23	DIMP- SLIP	\$22,262	\$ 28,446	11	Ex. SCG-09	2TD002.000	Plastic - Main & Services	\$17,915	\$20,253	1	
C24	CCM SCG Distribution Field Asset RT Monitoring et al	\$ 3,870	\$ 5,590	0	Ex. SCG-04	No specific funding request in GRC: Included in C04					
C25	Field Employee Skills Training	\$ 9,904	\$ 11,989	0.4	Ex. SCG-14	2FC001.000	Meter and Beyond	\$ 5,713	\$ 7,288	0.2	
C26	Staff Employee Skills Training	\$ 2,432	\$ 2,944	0	Ex. SCG-14	2FC003.000	N/A	\$ 4,014	\$ 5,602	0	
C27	Emergency Calls	\$ 3,396	\$ 4,112	0	Ex. SCG-15	2OO000.000	N/A	\$ 2,855	\$ 2,972	0	
C28	Quality Assurance Program	\$ 771	\$ 933	8	Ex. SCG-14	2FC003.000	Meter and Beyond	\$ 824	\$ 1,127	0.2	
C29	DCU/Pole Inspections	\$ 251	\$ 304	0	Ex. SCG-14	2FC006.000	N/A	\$ 258	\$ 284	0	
C30	MSA Inspection Program	\$21,065	\$ 25,499	12	Ex. SCG-14	2FC005.000	Meter and Beyond	\$25,319	\$25,710	13	
C31	Personal Protective Equipment (PPE)	\$ 160	\$ 193	0	Ex. SCG-14	2FC001.000	N/A	\$ 488	\$ 651	0	
C32	Safety Related Field Orders	\$90,198	\$109,187	3	Ex. SCG-14	2FC001.000	Meter and Beyond	\$68,895	\$83,567	280	
New	NGAT	RAMP Post-Filing				Ex. SCG-16	2IN002.000	Meter and Beyond	\$ 1,672	\$ 3,596	0.1

Witness Areas: Ex. SCG-04 Gas Distribution; Ex. SCG-09 Gas Integrity Management Programs; Ex. SCG-14 Custome Service Field and Advanced Meter Operations; Ex. SCG-15 Custome Service - Office Operations; Ex. SCG-16 Customer Service - Information

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) - O&M
(\$000s)

2021 RAMP Report					Test Year 2024 GRC						
ID	Control / Mitigation Name	2024			RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High	RSE							
C01	Integrity Demonstration, Verification, and Monitoring	\$ 14,834	\$ 17,957	0.3	Ex. SCG-09	2TD003.000	Underground Components	\$ 16,800	\$ 16,675	4	
C03	Pressure Monitoring and Alarming	\$ 387	\$ 468	0	Ex. SCG-10	No specific funding request in GRC: Included in other requests					
C04	Wellhead Leak Detection and Repair	\$ 7,490	\$ 9,066	0	Ex. SCG-20	2EV001.003	N/A	\$ 7,196	\$ 5,800	0	
C05	Storage Field Maintenance	\$33,599	\$40,672	35	Ex. SCG-10	2US000.000	Underground Components	\$ 5,143	\$ 4,888	116	
					Ex. SCG-10	2US001.000	Aboveground Facilities	\$ 3,217	\$38,645	1	
					Ex. SCG-10	2US001.000	Aboveground Piping	\$ 3,182	\$ 3,830	10	
M1	Facilities Integrity Management Program (FIMP)	\$ 1,330	\$ 2,470	0	Ex. SCG-09	2TD004.000	Aboveground Facilities	\$ -	\$11,074	1	

Witness Areas: Ex. SCG-09 Gas Integrity Management Programs; Ex. SCG-10 Gas Storage Operations and Construction; SCG-20 Environmental Services

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

2021 RAMP Report					Test Year 2024 GRC						
ID	Control / Mitigation Name	2024			RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High	RSE							
C01	Employee Health and Safety Programs and Policies	\$ 838	\$ 1,015	0	Ex. SCG-27	2SM003.000	N/A	\$875	\$933	0	
C02	Drug and Alcohol Testing Programs	\$ 473	\$ 572	3	Ex. SCG-28	2HR005.000	Overall	\$253	\$306	30	
C03	Employee Wellness Programs	\$ 2,516	\$ 3,045	2	Ex. SCG-28	2HR005.000	Overall	\$672	\$672	5	
					Ex. SCG-27	2SM003.000	Overall	\$191	\$541	5	
C04	Employee Safety Training and Awareness Programs	\$ 416	\$ 504	43	Ex. SCG-27	2SM003.000	Overall	\$685	\$708	29	
C05	Safe Driving Programs	\$ 1,120	\$ 1,356	11	Ex. SCG-27	2SM003.000	Vehicle	\$304	\$914	19	
					Ex. SCG-27	2SM005.000	Vehicle	\$ 79	\$ 79	19	
C06	Personal Protection Equipment (PPE)	\$ 1,082	\$ 1,309	0	Ex. SCG-04	2GD000.000	N/A	\$111	\$111	0	
					Ex. SCG-27	2SM003.000	N/A	\$304	\$304	0	
C07	Near Miss, Stop the Job and jobsite safety programs	\$ 416	\$ 504	41	Ex. SCG-27	2SM003.000	Overall	\$304	\$327	47	
C08	Safety Culture Programs	\$ 802	\$ 971	7	Ex. SCG-27	2SM003.000	Overall	\$495	\$652	11	
C09	Utilizing Industry Best Practices and Benchmarking	\$ 1,012	\$ 1,225	5	Ex. SCG-28	2HR001.000	Overall	\$929	\$929	5	
					Ex. SCG-27	2SM003.000	Overall	\$191	\$191	5	
C10	Workplace Violence Prevention Programs	\$ 1,196	\$ 1,447	498	Ex. SCG-15	2OO002.000	Non-Vehicle Incident	\$105	\$105	591	
					Ex. SCG-10	2US001.000	Non-Vehicle Incident	\$ 80	\$ 80	591	
					Ex. SCG-19	2RE004.000	Non-Vehicle Incident	\$799	\$810	591	
					Ex. SCG-19	2RE004.000	Non-Vehicle Incident	\$823	\$652	591	
M1	OSHA Construction Certification Training	\$ -	\$ -	33	Ex. SCG-27	2SM003.000	N/A	\$ -	\$ -	0	
M2	Industrial Hygiene Program Refresh	\$ 961	\$ 1,262	0.4	Ex. SCG-27	2SM003.000	Non-Vehicle	\$ -	\$971	0.34	
M3	Proactive Monitoring for Indoor Air Quality and Chemicals	\$ 59	\$ 78	17	Ex. SCG-27	2SM003.000	Non-Vehicle	\$ -	\$ 74	10	
M4	Creation of a Safety Video Library	\$ 50	\$ 65	22	Ex. SCG-27	2SM003.000	Overall	\$ -	\$ 50	25	
M5	Expanded Safety Culture Assessments	\$ 45	\$ 60	9	Ex. SCG-27	2SM000.000	Overall	\$146	\$146	0	
M6	Industrial Hygiene Program Expansion	\$ 149	\$ 195	60	Ex. SCG-27	2SM003.000	Non-Vehicle	\$ -	\$153	45	

Witness Areas: Ex. SCG-04 Gas Distribution; Ex. SCG-10 Gas Storage Operations and Construction;
Ex. SCG-15 Customer Service - Office Operations; Ex. SCG-19 Real Estate & Facility Operations;
Ex. SCG-27 Safety & Risk Management; Ex. SCG-28 HR

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

2021 RAMP Report					Test Year 2024 GRC						
ID	Control / Mitigation Name	2024			RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High	RSE							
C01	Perimeter Defenses	\$1,251	\$1,599	160		Ex. SCG-22	2200-0430.000	Overall	\$ 3,850	\$ 3,935	368
C02	Internal Defenses	\$3,158	\$4,035	95		Ex. SCG-22	Cyber funding requests are for all cyber mitigations				
C03	Sensitive Data Protection	\$2,351	\$3,004	62		Ex. SCG-22	Cyber funding requests are for all cyber mitigations				
C04	Operational Technology (OT) Cybersecurity	\$1,066	\$1,362	112		Ex. SCG-22	Cyber funding requests are for all cyber mitigations				
C05	Obsolete (IT) Infrastructure and Application Replacement	\$1,297	\$1,657	102		Ex. SCG-22	Cyber funding requests are for all cyber mitigations				

Witness Areas: Ex. SCG-22 Cybersecurity

Workpaper 1
SoCalGas Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SCG-Risk-7 Incident Involving a Contractor - O&M
(\$000s)

2021 RAMP Report					Test Year 2024 GRC						
ID	Control / Mitigation Name	2024			RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High	RSE							
C01	Contractor Safety Oversight	\$1,586	\$1,920	11		Ex. SCG-27	2SM003.000	Overall	\$ 188	\$ 280	71
C02	Third-Party Administration Tools	\$ 47	\$ 57	182		Ex. SCG-27	2SM003.000	Non-Vehicle	\$ 188	\$ 333	14
C03	Contractor Engagment	\$ 10	\$ 13	202		Ex. SCG-27	2SM003.000	Overall	\$ 94	\$ 94	25
C04	Construction Contractor Field Oversight	\$ 287	\$ 348	5		Multiple	No specific funding request in GRC: Included in other requests				

Witness Areas: Ex. SCG-27 Safety & Risk Management

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

2021 RAMP Report				Test Year 2024 GRC						
ID	Control / Mitigation Name	2024		RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High							
1	Administration of Records Management Policies	\$ 38	\$ 48	0	Ex. SCG-21	No specific funding requested in GRC: Rescoped				
2	Operational Compliance and Oversight	\$ 215	\$ 275	0	Ex. SCG-05	2SI002.004	N/A	\$ 239	\$ 239	0
3	Information Management Systems	\$12,889	\$16,469	0	Ex. SCG-21	2200-3020.000	N/A	\$ 5,163	\$ 6,872	0
					Ex. SCG-21	2IT017.000	N/A	\$ 3,033	\$ 3,364	0
5	Establishing a Data Lake	\$ 2,925	\$ 4,225	0	Ex. SCG-09	No specific request in GRC: Included in SCG-Risk-1 C21				
6	Asset Investment Planning (AIP) Tool	\$ 686	\$ 991	0	Ex. SCG-21	No specific request in GRC: Rescoped				
7	Establish an Enterprise Asset Mgt Operating Model	\$ 1,890	\$ 2,730	0	Ex. SCG-06	2200-0931.000	N/A	\$ 200	\$ 200	0
					Ex. SCG-04	2GD009.000	N/A	\$ -	\$ 250	0
					Ex. SCG-05	2SI002.002	N/A	\$ 182	\$ 807	0

Witness Areas: Ex. SCG-04 Gas Distribution; Ex. SCG-05 Gas System Staff & Technology; 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-CFF-2 Energy Resilience - O&M
(\$000s)

2021 RAMP Report					Test Year 2024 GRC					
ID	Control / Mitigation Name	2024		RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High							
New01	New: Operational Readiness Study	RAMP Post-Filing			Ex. SCG-12	2RD000.001	N/A	\$-	\$ 2,500	0
New02	New: Carbon Management Feed Study	RAMP Post-Filing			Ex. SCG-12	2RD000.001	N/A	\$-	\$ 6,655	0
New03	New: ZE Vehicles & RNG Vehicles	RAMP Post-Filing			Ex. SCG-18	2RF004.000	N/A	\$-	\$11,157	0
New04	New: Hydrogen Vehicles	RAMP Post-Filing			Ex. SCG-18	2RF004.000	N/A	\$-	\$ 1,374	0
New05	New: Electric Vehicles	RAMP Post-Filing			Ex. SCG-18	2RF004.000	N/A	\$-	\$ 770	0

Witness Areas: Ex. SCG-12 Clean Energy Innovations; Ex. SCG-18 Fleet Services

Workpaper 1
SoCalGas Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SCG-CFF-3 Emergency Preparedness and Response and Pandemic - O&M
(\$000s)

2021 RAMP Report					Test Year 2024 GRC					
ID	Control / Mitigation Name	2024		RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High							
1	Policies & Procedures	\$105	\$ 130	0	Ex. SCG-27	2SM001.000	N/A	\$ 161	\$ 161	0
2	Training, Exercises, and Drills	\$105	\$ 130	0	Ex. SCG-27	2SM001.000	N/A	\$ 161	\$ 277	0
3	Stakeholder Outreach	\$105	\$ 130	0	Ex. SCG-27	2SM001.000	N/A	\$ 161	\$ 277	0
4	Incident Command Structure	\$290	\$ 355	0	Ex. SCG-27	2SM001.000	N/A	\$ 435	\$ 435	0
5	Mutual Assistance	\$ 20	\$ 20	0	Ex. SCG-27	2SM001.000	N/A	\$ 38	\$ 38	0
6	After Action Review Program	\$315	\$ 385	0	Ex. SCG-27	2SM001.000	N/A	\$ 473	\$ 473	0
					Ex. SCG-27	2SM002.000	N/A	\$ 39	\$ 39	0
7	Crisis Communication Technologies	\$315	\$ 385	0	Ex. SCG-27	2SM001.000	N/A	\$ 473	\$ 523	0
8	Watch Desk	\$760	\$1,100	0	Ex. SCG-27	2SM001.000	N/A	\$ -	\$ 508	0
9	Expert Advisory Services	\$175	\$ 255	0	Ex. SCG-27	2SM001.000	N/A	\$ 80	\$ 80	0
10	EOC Enhancement Project	\$180	\$ 260	0	Ex. SCG-27	No funding request in GRC: Rescoped to Capital				
11	Emergency Management Technology	\$700	\$ 910	0	Ex. SCG-27	2SM005.000	N/A	\$ 79	\$ 79	0
					Ex. SCG-27	2SM001.000	N/A	\$ -	\$ -	0

Witness Areas: Ex. SCG-27 Safety & Risk Management

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

2021 RAMP Report					Test Year 2024 GRC					
ID	Control / Mitigation Name	2024		RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High							
1	Data Center Modernization	\$2,049	\$2,618	0	Ex. SCG-21	2200-0619.000	N/A	\$ 2,321	\$ 2,789	0
2	Network & Voice System Resiliency	\$3,476	\$4,442	0	Ex. SCG-21	2200-0302.000	N/A	\$ 910	\$ 835	0
3	Monitoring Systems and Services	\$2,222	\$2,839	0	Ex. SCG-21	2200-1220.000	N/A	\$ 564	\$ 825	0
4	Gas Operations Systems Resiliency	\$5,873	\$7,505	0	Ex. SCG-21	2200-2272.000	N/A	\$ 32	\$ 65	0
5	End User Access and Support Services	\$1,724	\$2,203	0	Ex. SCG-21	2200-2453.000	N/A	\$ 145	\$ 151	0
6	IT Service Continuity	\$2,555	\$3,265	0	Ex. SCG-21	2IT002.000	N/A	\$ 2,859	\$ 2,428	0
7	Cloud Resiliency Services	\$3,989	\$5,097	0	Ex. SCG-21	2IT004.000	N/A	\$ 2,240	\$ 2,584	0
8	EOC Technology Resiliency	\$ 884	\$1,130	0	Ex. SCG-21	2IT017.000	N/A	\$ 132	\$ 144	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 - O&M
(\$000s)

2021 RAMP Report					Test Year 2024 GRC						
ID	Control / Mitigation Name	2024			RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High	RSE							
1	Physical Security	\$ 17	\$ 21	0	Multiple	No specific request in GRC: Included in other requests					
2	Contract Security	\$532	\$650	0	Ex. SCG-15	200002.000	N/A	\$ 158	\$ 158	0	
					Ex. SCG-19	2RE004.000	N/A	\$ 411	\$ 417	0	
3	Planning, Awareness, Risk Management, and Incident Mgt	\$841	\$969	0	Ex. SCG-23	2SE000.001	N/A	\$ 940	\$ 944	0	

Witness Areas: Ex. SCG-15 Customer Services - Office Operations; Ex. SCG-19 Real Estate & Facility Operations; Ex. SCG-23 Corporate Center General Administration

Workpaper 1
SoCalGas Test Year 2024 General Rate Case
2021 RAMP to GRC Mapping
SCG-CFF-6 Safety Management System - O&M
(\$000s)

2021 RAMP Report					Test Year 2024 GRC					
ID	Control / Mitigation Name	2024		RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High							
1	SMS Framework	\$ 782	\$ 946	0	Ex. SCG-27	2SM000.000	N/A	\$ 817	\$ 2,202	0
					Ex. SCG-27	2SM002.000	N/A	\$ 39	\$ 74	0
					Ex. SCG-27	2SM004.000	N/A	\$ 621	\$ 1,059	0
2	Pipeline Safety & Compliance Oversight	\$ 682	\$ 825	0	Ex. SCG-27	2200-2473.000	N/A	\$ 441	\$ 534	0
					Ex. SCG-27	2200-2551.000	N/A	\$ 209	\$ 311	0
					Ex. SCG-27	2SM005.000	N/A	\$ 79	\$ 79	0
3	Continuous Improvement and Quality Assurance	\$1,940	\$2,349	0	Ex. SCG-27	2200-2551.000	N/A	\$ 209	\$ 209	0
					Ex. SCG-27	2SM002.000	N/A	\$ 475	\$ 751	0
					Ex. SCG-27	2SM005.000	N/A	\$ 158	\$ 292	0
4	Technology and Analytics	\$ 525	\$ 636	0	Ex. SCG-27	2SM005.000	N/A	\$ 945	\$ 1,618	0
5	Develop Database and Enhance Causal Analysis Training	\$ 100	\$ 145	0	Ex. SCG-27	2200-2551.000	N/A	\$ 209	\$ 325	0
6	Expand Quality Assessment Programs	\$ 113	\$ 164	0	Ex. SCG-27	2SM002.000	N/A	\$ 359	\$ 630	0
7	Expand Compliance Assurance program	\$ 300	\$ 434	0	Ex. SCG-27	2200-2409.000	N/A	\$ 399	\$ 530	0
8	Pipeline Safety Self Assessments	\$ 300	\$ 434	0	Ex. SCG-27	2200-2473.000	N/A	\$ 441	\$ 476	0

Witness Areas: Ex. SCG-27 Safety & Risk Management Systems

Workpaper 1
 SoCalGas Test Year 2024 General Rate Case
 2021 RAMP to GRC Mapping
 SCG-CFF-7 Workforce Planning / Quality Workforce - O&M
 (\$000s)

2021 RAMP Report					Test Year 2024 GRC						
ID	Control / Mitigation Name	2024			RSE	Witness	Workpaper	Tranche	2021	2024	RSE
		Low	High	RSE							
1	Workforce Planning	\$936	\$1,103	0	Ex. SCG-28	2HR003.000	N/A	\$ 585	\$ 793	0	
2	Succession Planning & Knowledge Transfer	\$138	\$ 197	0	Ex. SCG-28	2HR007.000	N/A	\$ 35	\$ 190	0	
3	Training	\$621	\$ 752	0	Ex. SCG-28	2HR007.000	N/A	\$ 1,115	\$ 1,115	0	
4	Training - Technical Non-HR	\$279	\$ 338	0	Ex. SCG-28	2HR007.000	N/A	\$ 295	\$ 295	0	

Witness Areas: Ex. SCG-28 People and Culture Department