

Application of SOUTHERN CALIFORNIA GAS)
COMPANY for authority to update its gas)
revenue requirement and base rates)
effective January 1, 2024 (U 904-G))

Application No. 22-05-015

Exhibit No.: (SCG-21-WP-R-2E)

REVISED WORKPAPERS TO
PREPARED DIRECT TESTIMONY
OF TIA L. BALLARD
ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY

SECOND ERRATA

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

JUNE 2023



**2024 General Rate Case - REVISED
SECOND ERRATA
INDEX OF WORKPAPERS**

Exhibit SCG-21-WP-R-2E - INFORMATION TECHNOLOGY

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Southern California Gas Company
 2024 GRC - REVISED
 SECOND ERRATA

Overall Summary For Exhibit No. SCG-21-WP-R-2E

Area:	INFORMATION TECHNOLOGY
Witness:	Tia L. Ballard

Description	In 2021 \$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
Non-Shared Services	24,010	27,712	28,760	29,521
Shared Services	25,699	26,378	26,875	27,263
Total	49,709	54,090	55,635	56,784

Note: Totals may include rounding differences.

Southern California Gas Company
 2024 GRC - REVISED SECOND ERRATA
 Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard

Summary of Non-Shared Services Workpapers:

Description	In 2021 \$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
A. Applications	13,640	14,580	14,685	15,413
B. Infrastructure	8,391	10,994	11,858	11,891
C. Support	1,979	2,138	2,217	2,217
Total	24,010	27,712	28,760	29,521

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Workpaper: VARIOUS

Summary for Category: A. Applications

	In 2021\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
Labor	7,745	8,363	8,474	7,844
Non-Labor	5,895	6,217	6,211	7,569
NSE	0	0	0	0
Total	13,640	14,580	14,685	15,413
FTE	67.2	72.4	73.3	68.1

Workpapers belonging to this Category:

2IT001.000 Non-Shared Operational Applications

Labor	3,561	3,474	3,511	2,931
Non-Labor	1,283	1,489	1,731	3,028
NSE	0	0	0	0
Total	4,844	4,963	5,242	5,959
FTE	27.3	26.5	26.8	22.0

2IT002.000 Non-Shared Operational IT - Customer Services Field

Labor	2,116	2,123	2,123	2,123
Non-Labor	2,715	2,501	2,253	2,314
NSE	0	0	0	0
Total	4,831	4,624	4,376	4,437
FTE	18.9	19.0	19.0	19.0

2IT017.000 Non-Shared Operational IT - Asset Management

Labor	2,068	2,766	2,840	2,790
Non-Labor	1,897	2,227	2,227	2,227
NSE	0	0	0	0
Total	3,965	4,993	5,067	5,017
FTE	21.0	26.9	27.5	27.1

Note: Totals may include rounding differences.

Beginning of Workpaper
2IT001.000 - Non-Shared Operational Applications

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Workpaper: 2IT001.000 - Non-Shared Operational Applications

Activity Description:

This activity includes non-shared Information Technology (IT) applications costs that represent labor and non-labor for technology systems where 100% of the activities directly support the objectives of operating and maintaining SCG infrastructure systems safely and reliably. This area includes customer engagement and information systems operations, customer field operations, routing, scheduling and dispatching, and system integration and architecture.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		2,981	3,630	3,353	3,755	3,561	3,475	3,512	2,932	
Non-Labor		1,564	1,311	1,107	1,380	1,283	1,488	1,730	3,027	
NSE		0	0	0	0	0	0	0	0	
Total		4,544	4,941	4,460	5,135	4,844	4,963	5,242	5,959	
FTE		23.2	28.0	25.5	28.6	27.3	26.5	26.8	22.0	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Workpaper: 2IT001.000 - Non-Shared Operational Applications

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	3,561	3,561	3,561	-87	-50	-630	3,474	3,511	2,931
Non-Labor	Base YR Rec	1,283	1,283	1,283	206	448	1,745	1,489	1,731	3,028
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		4,844	4,844	4,844	119	398	1,115	4,963	5,242	5,959
FTE	Base YR Rec	27.3	27.3	27.3	-0.8	-0.5	-5.3	26.5	26.8	22.0

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	-87	206	0	119	-0.8	1-Sided Adj
Explanation:	Increase in non-labor to support Customer Self Service & Engagement Apps and SCG APPS CUS INF SYS - SCG and more resources charging to Capital.					
2022 Total	-87	206	0	119	-0.8	
2023	-50	448	0	398	-0.5	1-Sided Adj
Explanation:	Incremental in non labor to support System Integration & Architecture and Customer Self Service & Engagement Apps and more resources charging to Capital.					
2023 Total	-50	448	0	398	-0.5	
2024	-630	1,745	0	1,115	-5.3	1-Sided Adj
Explanation:	Incremental in non- labor for contractors to support CIS capital projects and also for System Integration & Architecture and Customer Self Service & Engagement Apps. Labor less than plan due to more resources working on VISTA project (Capital).					
2024 Total	-630	1,745	0	1,115	-5.3	

Note: Totals may include rounding differences.

SCG/INFORMATION TECHNOLOGY/Exh No:SCG-21-WP-R-2E/Witness: T. Ballard

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Category-Sub: 1. Applications
Workpaper: 2IT001.000 - Non-Shared Operational Applications

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	2,285	2,854	2,669	3,101	3,027
Non-Labor	1,390	1,202	1,033	1,381	1,339
NSE	0	0	0	0	0
Total	3,675	4,056	3,702	4,483	4,366
FTE	19.7	23.6	21.4	24.0	22.9
Adjustments (Nominal \$) **					
Labor	0	0	0	-1	0
Non-Labor	0	0	0	-99	-56
NSE	0	0	0	0	0
Total	0	0	0	-100	-56
FTE	0.0	0.0	0.0	-0.1	0.0
Recorded-Adjusted (Nominal \$)					
Labor	2,285	2,854	2,669	3,100	3,027
Non-Labor	1,390	1,202	1,033	1,282	1,283
NSE	0	0	0	0	0
Total	3,675	4,056	3,702	4,383	4,310
FTE	19.7	23.7	21.4	23.9	22.9
Vacation & Sick (Nominal \$)					
Labor	387	491	506	546	534
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	387	491	506	546	534
FTE	3.5	4.3	4.1	4.7	4.4
Escalation to 2021\$					
Labor	308	285	178	109	0
Non-Labor	174	109	74	98	0
NSE	0	0	0	0	0
Total	482	394	252	207	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	2,981	3,630	3,353	3,755	3,561
Non-Labor	1,564	1,311	1,107	1,380	1,283
NSE	0	0	0	0	0
Total	4,544	4,941	4,460	5,135	4,844
FTE	23.2	28.0	25.5	28.6	27.3

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Category-Sub: 1. Applications
Workpaper: 2IT001.000 - Non-Shared Operational Applications

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2017	2018	2019	2020	2021
Labor	0	0	0	-1	0
Non-Labor	0	0	0	-99	-56
NSE	0	0	0	0	0
Total	0	0	0	-100	-56
FTE	0.0	0.0	0.0	-0.1	0.0

Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adj Type
2017 Total	0	0	0	0.0	
2018 Total	0	0	0	0.0	
2019 Total	0	0	0	0.0	
2020	0	-70	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-3	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-22	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-3	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	-1	0	0	-0.1	CCTR Transf To 2200-2011.002
Explanation:	Transfer costs to GOSI CC 2200-2011.002 related to SB1371 (BLM) Emissions Strategy Program				
2020 Total	-1	-99	0	-0.1	
2021	0	-43	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				

Note: Totals may include rounding differences.

Southern California Gas Company
 2024 GRC - REVISED SECOND ERRATA
 Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Workpaper: 2IT001.000 - Non-Shared Operational Applications

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>
2021	0	-8	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021 Total	0	-56	0	0.0	

Note: Totals may include rounding differences.

Beginning of Workpaper
2IT002.000 - Non-Shared Operational IT - Customer Services Field

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Workpaper: 2IT002.000 - Non-Shared Operational IT - Customer Services Field

Activity Description:

This activity includes non-shared customer services field support costs that represent labor and non-labor for technology systems where 100% of the activities directly support the objectives of operating and maintaining SCG infrastructure systems safely and reliably. This area includes field technology for customer services technicians, and advanced meter data management, technology, and operations.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		1,299	1,696	2,702	2,622	2,116	2,124	2,124	2,124	
Non-Labor		577	574	1,320	1,860	2,715	2,501	2,253	2,314	
NSE		0	0	0	0	0	0	0	0	
Total		1,876	2,271	4,022	4,483	4,831	4,625	4,377	4,438	
FTE		12.5	16.2	24.0	22.9	18.9	19.0	19.0	19.0	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Workpaper: 2IT002.000 - Non-Shared Operational IT - Customer Services Field

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	2,116	2,116	2,116	7	7	7	2,123	2,123	2,123
Non-Labor	Base YR Rec	2,715	2,715	2,715	-214	-462	-401	2,501	2,253	2,314
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		4,831	4,831	4,831	-207	-455	-394	4,624	4,376	4,437
FTE	Base YR Rec	18.9	18.9	18.9	0.1	0.1	0.1	19.0	19.0	19.0

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	7	-214	0	-207	0.1	1-Sided Adj
Explanation: Adjust for Cloud Consumption						
2022 Total		7	-214	0	-207	0.1
2023	7	-462	0	-455	0.1	1-Sided Adj
Explanation: Adjust for Cloud Consumption						
2023 Total		7	-462	0	-455	0.1
2024	7	-401	0	-394	0.1	1-Sided Adj
Explanation: Adjust for Cloud Consumption						
2024 Total		7	-401	0	-394	0.1

Note: Totals may include rounding differences.

SCG/INFORMATION TECHNOLOGY/Exh No:SCG-21-WP-R-2E/Witness: T. Ballard

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Category-Sub: 1. Applications
Workpaper: 2IT002.000 - Non-Shared Operational IT - Customer Services Field

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	996	1,334	2,151	2,165	1,799
Non-Labor	513	526	1,231	1,807	2,726
NSE	0	0	0	0	0
Total	1,508	1,860	3,382	3,972	4,525
FTE	10.6	13.7	20.1	19.2	15.9
Adjustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	-78	-11
NSE	0	0	0	0	0
Total	0	0	0	-78	-11
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Nominal \$)					
Labor	996	1,334	2,151	2,165	1,799
Non-Labor	513	526	1,231	1,728	2,715
NSE	0	0	0	0	0
Total	1,508	1,860	3,382	3,893	4,513
FTE	10.6	13.7	20.1	19.2	15.9
Vacation & Sick (Nominal \$)					
Labor	169	230	408	381	317
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	169	230	408	381	317
FTE	1.9	2.5	3.9	3.7	3.0
Escalation to 2021\$					
Labor	134	133	143	76	0
Non-Labor	64	48	89	132	0
NSE	0	0	0	0	0
Total	198	181	232	208	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	1,299	1,696	2,702	2,622	2,116
Non-Labor	577	574	1,320	1,860	2,715
NSE	0	0	0	0	0
Total	1,876	2,271	4,022	4,483	4,831
FTE	12.5	16.2	24.0	22.9	18.9

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Workpaper: 2IT002.000 - Non-Shared Operational IT - Customer Services Field

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2017	2018	2019	2020	2021
Labor	0	0	0	0	0
Non-Labor	0	0	0	-78	-11
NSE	0	0	0	0	0
Total	0	0	0	-78	-11
FTE	0.0	0.0	0.0	0.0	0.0

Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adj Type
2017 Total	0	0	0	0.0	
2018 Total	0	0	0	0.0	
2019 Total	0	0	0	0.0	
2020	0	-72	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-6	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020 Total	0	-78	0	0.0	
2021	0	-6	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	0	-5	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021 Total	0	-11	0	0.0	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Workpaper: 2IT002.000 - Non-Shared Operational IT - Customer Services Field

RAMP Item # 1

RAMP Activity

RAMP Chapter: SCG-CFF-4 Foundational Technology Systems

RAMP Line Item ID: CFF 1 - CFF 8

RAMP Line Item Name: All Activities

Tranche(/s): Tranche1: Overall

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Cost (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
					Low	High
Tranche 1 Cost Estimate	2,859	2,667	2,410	2,428	2,295	2,933

Cost Estimate Changes from RAMP:

Forecast is outside of the RAMP range due to the forecast update.

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2024 RAMP Range Activities	
					Low	High
Tranche 1 N/A	0.00	0.00	0.00	0.00	0.00	0.00

Work Unit Changes from RAMP:

N/A

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

RSE Changes from RAMP:

N/A

Beginning of Workpaper
2IT017.000 - Non-Shared Operational IT - Asset Management

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Workpaper: 2IT017.000 - Non-Shared Operational IT - Asset Management

Activity Description:

This activity includes non-shared asset management costs that represent labor and non-labor for technology systems where 100% of the activities directly support the objectives of operating and maintaining SCG infrastructure systems safely and reliably. This area includes high pressure GIS applications, work management and field technology, material management applications, maintenance and inspection systems support, field technology services, and field mobile applications support.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		1,902	1,667	1,548	1,482	2,068	2,765	2,839	2,789	
Non-Labor		466	698	786	1,493	1,897	2,227	2,227	2,227	
NSE		0	0	0	0	0	0	0	0	
Total		2,368	2,366	2,334	2,976	3,965	4,992	5,066	5,016	
FTE		19.9	17.6	16.0	15.6	21.0	26.9	27.5	27.1	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Workpaper: 2IT017.000 - Non-Shared Operational IT - Asset Management

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	2,068	2,068	2,068	698	772	722	2,766	2,840	2,790
Non-Labor	Base YR Rec	1,897	1,897	1,897	330	330	330	2,227	2,227	2,227
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		3,965	3,965	3,965	1,028	1,102	1,052	4,993	5,067	5,017
FTE	Base YR Rec	21.0	21.0	21.0	5.9	6.5	6.1	26.9	27.5	27.1

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	698	330	0	1,028	5.9	1-Sided Adj
Explanation:	Incremental FTEs and additional maintenance to support Company initiatives/services.					
2022 Total	698	330	0	1,028	5.9	
2023	772	330	0	1,102	6.5	1-Sided Adj
Explanation:	Incremental FTEs and additional maintenance to support Company initiatives/services.					
2023 Total	772	330	0	1,102	6.5	
2024	722	330	0	1,052	6.1	1-Sided Adj
Explanation:	Incremental FTEs and additional maintenance to support Company initiatives/services.					
2024 Total	722	330	0	1,052	6.1	

Note: Totals may include rounding differences.

SCG/INFORMATION TECHNOLOGY/Exh No:SCG-21-WP-R-2E/Witness: T. Ballard

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Category-Sub: 1. Applications
Workpaper: 2IT017.000 - Non-Shared Operational IT - Asset Management

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	1,458	1,311	1,240	1,225	1,617
Non-Labor	414	640	733	1,401	1,596
NSE	0	0	0	0	0
Total	1,873	1,951	1,972	2,626	3,213
FTE	16.9	14.9	13.5	13.2	16.8
Adjustments (Nominal \$) **					
Labor	0	0	-7	-1	140
Non-Labor	0	0	0	-14	302
NSE	0	0	0	0	0
Total	0	0	-7	-15	442
FTE	0.0	0.0	-0.1	-0.2	0.9
Recorded-Adjusted (Nominal \$)					
Labor	1,458	1,311	1,232	1,224	1,758
Non-Labor	414	640	733	1,387	1,897
NSE	0	0	0	0	0
Total	1,873	1,951	1,965	2,611	3,655
FTE	16.9	14.9	13.4	13.0	17.7
Vacation & Sick (Nominal \$)					
Labor	247	226	234	216	310
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	247	226	234	216	310
FTE	3.0	2.7	2.6	2.6	3.3
Escalation to 2021\$					
Labor	196	131	82	43	0
Non-Labor	52	58	53	106	0
NSE	0	0	0	0	0
Total	248	189	135	149	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	1,902	1,667	1,548	1,482	2,068
Non-Labor	466	698	786	1,493	1,897
NSE	0	0	0	0	0
Total	2,368	2,366	2,334	2,976	3,965
FTE	19.9	17.6	16.0	15.6	21.0

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Category-Sub: 1. Applications
Workpaper: 2IT017.000 - Non-Shared Operational IT - Asset Management

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2017	2018	2019	2020	2021
Labor	0	0	-7	-1	140
Non-Labor	0	0	-0.073	-14	302
NSE	0	0	0	0	0
Total	0	0	-7	-15	442
FTE	0.0	0.0	-0.1	-0.2	0.9

Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adj Type
2017 Total	0	0	0	0.0	
2018 Total	0	0	0	0.0	
2019	-7	0	0	-0.1	CCTR Transf To 2200-2011.001
Explanation:	Transfer costs to GOSI CC 2200-2011.001 related to SB1371 (BLP) Emissions Strategy Program				
2019 Total	-7	0	0	-0.1	
2020	0	-3	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-3	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-2	0	-0.1	1-Sided Adj

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Workpaper: 2IT017.000 - Non-Shared Operational IT - Asset Management

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	-1	0	0	-0.1	CCTR Transf To 2200-2011.001
Explanation:	Transfer costs to GOSI CC 2200-2011.001 related to SB1371 (BLP) Emissions Strategy Program				
2020 Total	-1	-14	0	-0.2	
2021	0	-3	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	0	-3	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	140	316	0	0.9	CCTR Transf From 2200-0907.000
Explanation:	Transferred costs in cost center 2200-0907 to workpaper 2IT017.000, cost center 2200-2584.				
2021 Total	140	302	0	0.9	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Workpaper: 2IT017.000 - Non-Shared Operational IT - Asset Management

RAMP Item # 1

RAMP Activity

RAMP Chapter: SCG-CFF-4 Foundational Technology Systems

RAMP Line Item ID: CFF 1 - CFF 8

RAMP Line Item Name: All Activities

Tranche(/s): Tranche1: Overall

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Cost (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
					Low	High
					Tranche 1 Cost Estimate	132

Cost Estimate Changes from RAMP:

Forecast is outside of the RAMP range due to the forecast update.

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2024 RAMP Range Activities	
					Low	High
Tranche 1 N/A	0.00	0.00	0.00	0.00	0.00	0.00

Work Unit Changes from RAMP:

N/A

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

RSE Changes from RAMP:

N/A

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Workpaper: 2IT017.000 - Non-Shared Operational IT - Asset Management

RAMP Item # 2

RAMP Activity

RAMP Chapter: SCG-CFF-1 Asset and Records Management

RAMP Line Item ID: 03

RAMP Line Item Name: Information Mgt Systems

Tranche(/s): Tranche1: N/A

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Cost (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
					Low	High
Tranche 1 Cost Estimate	3,033	3,290	3,364	3,364	12,889	16,469

Cost Estimate Changes from RAMP:

This is one of two workpapers (2200-0302) with this witness requesting funds for this activity

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2024 RAMP Range Activities	
					Low	High
Tranche 1 N/A	0.00	0.00	0.00	0.00	0.00	0.00

Work Unit Changes from RAMP:

Units were not forecast for this RAMP activity

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

RSE Changes from RAMP:

RSE values were not calculated for CFF activities

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: B. Infrastructure
Workpaper: 2IT004.000

Summary for Category: B. Infrastructure

	In 2021\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
Labor	111	203	204	204
Non-Labor	8,280	10,791	11,654	11,687
NSE	0	0	0	0
Total	8,391	10,994	11,858	11,891
FTE	1.4	2.2	2.2	2.2

Workpapers belonging to this Category:

2IT004.000 Non-Shared Operational Infrastructure

Labor	111	203	204	204
Non-Labor	8,280	10,791	11,654	11,687
NSE	0	0	0	0
Total	8,391	10,994	11,858	11,891
FTE	1.4	2.2	2.2	2.2

Note: Totals may include rounding differences.

Beginning of Workpaper
2IT004.000 - Non-Shared Operational Infrastructure

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: B. Infrastructure
 Category-Sub: 1. Infrastructure
 Workpaper: 2IT004.000 - Non-Shared Operational Infrastructure

Activity Description:

This activity includes non-shared Information Technology (IT) infrastructure costs that represent non-labor for technology systems where 100% of the activities directly support the objectives of operating and maintaining SCG infrastructure systems safely and reliably. The types of functions in this area include IT operations outsourced services and hardware and/or software maintenance agreements supporting non-shared SCG infrastructure.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		3	82	145	124	111	203	204	204	
Non-Labor		4,297	3,360	8,872	8,484	8,280	10,790	11,653	11,686	
NSE		0	0	0	0	0	0	0	0	
Total		4,300	3,442	9,017	8,608	8,391	10,993	11,857	11,890	
FTE		0.0	0.6	1.0	1.0	1.4	2.2	2.2	2.2	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: B. Infrastructure
 Category-Sub: 1. Infrastructure
 Workpaper: 2IT004.000 - Non-Shared Operational Infrastructure

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	111	111	111	92	93	93	203	204	204
Non-Labor	Base YR Rec	8,280	8,280	8,280	2,511	3,374	3,407	10,791	11,654	11,687
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		8,391	8,391	8,391	2,603	3,467	3,500	10,994	11,858	11,891
FTE	Base YR Rec	1.4	1.4	1.4	0.8	0.8	0.8	2.2	2.2	2.2

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	92	2,511	0	2,603	0.8	1-Sided Adj
Explanation:	Mainframe transfer from SDGE to SCG					
2022 Total	92	2,511	0	2,603	0.8	
2023	93	3,374	0	3,467	0.8	1-Sided Adj
Explanation:	Mainframe transfer from SDGE to SCG					
2023 Total	93	3,374	0	3,467	0.8	
2024	93	3,407	0	3,500	0.8	1-Sided Adj
Explanation:	Mainframe transfer from SDGE to SCG					
2024 Total	93	3,407	0	3,500	0.8	

Note: Totals may include rounding differences.

SCG/INFORMATION TECHNOLOGY/Exh No:SCG-21-WP-R-2E/Witness: T. Ballard

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: B. Infrastructure
Category-Sub: 1. Infrastructure
Workpaper: 2IT004.000 - Non-Shared Operational Infrastructure

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	2	64	115	102	36
Non-Labor	3,818	3,080	8,276	7,883	8,277
NSE	0	0	0	0	0
Total	3,821	3,145	8,391	7,985	8,313
FTE	0.0	0.5	0.8	0.8	0.3
Adjustments (Nominal \$) **					
Labor	0	0	0	0	58
Non-Labor	0	0	0	-1	3
NSE	0	0	0	0	0
Total	0	0	0	-1	61
FTE	0.0	0.0	0.0	0.0	0.8
Recorded-Adjusted (Nominal \$)					
Labor	2	64	115	102	94
Non-Labor	3,818	3,080	8,276	7,882	8,280
NSE	0	0	0	0	0
Total	3,821	3,145	8,391	7,984	8,374
FTE	0.0	0.5	0.8	0.8	1.2
Vacation & Sick (Nominal \$)					
Labor	0	11	22	18	17
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	11	22	18	17
FTE	0.0	0.1	0.2	0.2	0.2
Escalation to 2021\$					
Labor	0	6	8	4	0
Non-Labor	479	280	596	602	0
NSE	0	0	0	0	0
Total	479	286	604	606	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	3	82	145	124	111
Non-Labor	4,297	3,360	8,872	8,484	8,280
NSE	0	0	0	0	0
Total	4,300	3,442	9,017	8,608	8,391
FTE	0.0	0.6	1.0	1.0	1.4

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: B. Infrastructure
 Category-Sub: 1. Infrastructure
 Workpaper: 2IT004.000 - Non-Shared Operational Infrastructure

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2017	2018	2019	2020	2021
Labor	0	0	0	0	58
Non-Labor	0	0	0	-0.935	3
NSE	0	0	0	0	0
Total	0	0	0	-0.935	61
FTE	0.0	0.0	0.0	0.0	0.8

Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adj Type
2017 Total	0	0	0	0.0	
2018 Total	0	0	0	0.0	
2019 Total	0	0	0	0.0	
2020	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020 Total	0	-1	0	0.0	
2021	0	0	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	58	3	0	0.8	CCTR Transf From 2200-0919.000
Explanation:	Transfer to workpaper 2IT004.000				
2021 Total	58	3	0	0.8	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: B. Infrastructure
 Category-Sub: 1. Infrastructure
 Workpaper: 2IT004.000 - Non-Shared Operational Infrastructure

RAMP Item # 1

RAMP Activity

RAMP Chapter: SCG-CFF-4 Foundational Technology Systems

RAMP Line Item ID: CFF 1 - CFF 8

RAMP Line Item Name: All Activities

Tranche(s): Tranche1: Overall

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Cost (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
					Low	High
Tranche 1 Cost Estimate	2,240	2,363	2,584	2,584	1,910	2,441

Cost Estimate Changes from RAMP:

Forecast is outside of the RAMP range due to the forecast update.

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2024 RAMP Range Activities	
					Low	High
Tranche 1 N/A	0.00	0.00	0.00	0.00	0.00	0.00

Work Unit Changes from RAMP:

N/A

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

RSE Changes from RAMP:

N/A

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: C. Support
Workpaper: VARIOUS

Summary for Category: C. Support

	In 2021\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
Labor	1,815	1,963	2,049	2,049
Non-Labor	163	174	167	167
NSE	0	0	0	0
Total	1,978	2,137	2,216	2,216
FTE	16.0	17.3	18.0	18.0

Workpapers belonging to this Category:

2IT006.000 Non-Shared Operational Support

Labor	231	477	477	477
Non-Labor	133	144	137	137
NSE	0	0	0	0
Total	364	621	614	614
FTE	2.1	4.2	4.2	4.2

2IT013.000 Non-Shared Operational Manager, Performance and Organizational Strategy

Labor	1,584	1,486	1,572	1,572
Non-Labor	30	30	30	30
NSE	0	0	0	0
Total	1,614	1,516	1,602	1,602
FTE	13.9	13.1	13.8	13.8

Note: Totals may include rounding differences.

Beginning of Workpaper
2IT006.000 - Non-Shared Operational Support

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Workpaper: 2IT006.000 - Non-Shared Operational Support

Activity Description:

This activity includes non-shared Information Technology (IT) support costs that represent labor and non-labor for technology systems where 100% of the activities directly support the objectives of operating and maintaining SCG infrastructure systems safely and reliably. This area includes IT quality assurance services, end user devices, service management and engineering support.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		93	66	52	58	231	477	477	477	
Non-Labor		16	7	1	1	133	144	137	137	
NSE		0	0	0	0	0	0	0	0	
Total		110	73	53	59	365	621	614	614	
FTE		0.7	0.5	0.4	0.5	2.1	4.2	4.2	4.2	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Workpaper: 2IT006.000 - Non-Shared Operational Support

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	231	231	231	246	246	246	477	477	477
Non-Labor	Base YR Rec	133	133	133	11	4	4	144	137	137
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		365	365	365	257	250	250	622	615	615
FTE	Base YR Rec	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	246	11	0	257	2.1	1-Sided Adj
Explanation:	3 new cost centers were created in June 2021. 2022 includes full year of workforce labor and operations.					
2022 Total	246	11	0	257	2.1	
2023	246	4	0	250	2.1	1-Sided Adj
Explanation:	3 new cost centers were created in June 2021. 2023 includes full year of workforce labor and operations.					
2023 Total	246	4	0	250	2.1	
2024	246	4	0	250	2.1	1-Sided Adj
Explanation:	3 new cost centers were created in June 2021. 2023 includes full year of workforce labor.					
2024 Total	246	4	0	250	2.1	

Note: Totals may include rounding differences.

SCG/INFORMATION TECHNOLOGY/Exh No:SCG-21-WP-R-2E/Witness: T. Ballard

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: C. Support
Category-Sub: 1. Support
Workpaper: 2IT006.000 - Non-Shared Operational Support

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	72	52	42	48	46
Non-Labor	14	7	1	1	1
NSE	0	0	0	0	0
Total	86	59	43	49	47
FTE	0.6	0.4	0.3	0.4	0.3
Adjustments (Nominal \$) **					
Labor	0	0	0	0	151
Non-Labor	0	0	0	0	132
NSE	0	0	0	0	0
Total	0	0	0	0	283
FTE	0.0	0.0	0.0	0.0	1.4
Recorded-Adjusted (Nominal \$)					
Labor	72	52	42	48	197
Non-Labor	14	7	1	1	133
NSE	0	0	0	0	0
Total	86	59	43	49	330
FTE	0.6	0.4	0.3	0.4	1.7
Vacation & Sick (Nominal \$)					
Labor	12	9	8	8	35
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	12	9	8	8	35
FTE	0.1	0.1	0.1	0.1	0.4
Escalation to 2021\$					
Labor	10	5	3	2	0
Non-Labor	2	1	0	0	0
NSE	0	0	0	0	0
Total	11	6	3	2	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	93	66	52	58	231
Non-Labor	16	7	1	1	133
NSE	0	0	0	0	0
Total	110	73	53	59	365
FTE	0.7	0.5	0.4	0.5	2.1

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Workpaper: 2IT006.000 - Non-Shared Operational Support

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2017	2018	2019	2020	2021
Labor	0	0	0	0	151
Non-Labor	0	0	0	-0.414	132
NSE	0	0	0	0	0
Total	0	0	0	-0.414	283
FTE	0.0	0.0	0.0	0.0	1.4

Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adj Type
2017 Total	0	0	0	0.0	
2018 Total	0	0	0	0.0	
2019 Total	0	0	0	0.0	
2020	0	0	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020 Total	0	0	0	0.0	
2021	0	0	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	27	1	0	0.4	CCTR Transf From 2200-0915.000
Explanation:	Costs in this cost center should be in 2IT006.000 workpaper.				
2021	124	132	0	1.0	CCTR Transf From 2200-0916.000
Explanation:	Costs in this cost center should be moved to 2IT006.000 workpaper.				
2021	0	0	0	0.0	CCTR Transf From 2200-0917.000
Explanation:	Costs in this cost center should be in 2IT006.000 workpaper.				
2021 Total	151	132	0	1.4	

Note: Totals may include rounding differences.

Beginning of Workpaper
**2IT013.000 - Non-Shared Operational Manager, Performance and Organizational
Strategy**

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Workpaper: 2IT013.000 - Non-Shared Operational Manager, Performance and Organizational Strategy

Activity Description:

This activity includes non-shared manager and performance and organizational strategy costs that represent labor and non-labor for systems where 100% of the activities directly support the objectives of operating and maintaining SCG infrastructure systems safely and reliably. This area includes business intelligence (BI), analytics engineering, industrial engineering and continuous improvement (CI), data science, CI Portfolio Management Office (PMO), and workforce management.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		1,314	1,537	1,590	1,673	1,584	1,486	1,572	1,572	
Non-Labor		60	41	62	88	30	30	30	30	
NSE		0	0	0	0	0	0	0	0	
Total		1,374	1,578	1,652	1,761	1,614	1,516	1,602	1,602	
FTE		13.7	14.9	14.5	14.7	13.9	13.1	13.8	13.8	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Workpaper: 2IT013.000 - Non-Shared Operational Manager, Performance and Organizational Strategy

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	1,584	1,584	1,584	-98	-12	-12	1,486	1,572	1,572
Non-Labor	Base YR Rec	30	30	30	0	0	0	30	30	30
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		1,614	1,614	1,614	-98	-12	-12	1,516	1,602	1,602
FTE	Base YR Rec	13.9	13.9	13.9	-0.8	-0.1	-0.1	13.1	13.8	13.8

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	-98	0	0	-98	-0.8	1-Sided Adj
Explanation:	Change in Data Science resource					
2022 Total	-98	0	0	-98	-0.8	
2023	-12	0	0	-12	-0.1	1-Sided Adj
Explanation:	Change in Data Science resource					
2023 Total	-12	0	0	-12	-0.1	
2024	-12	0	0	-12	-0.1	1-Sided Adj
Explanation:	Change in Data Science resource					
2024 Total	-12	0	0	-12	-0.1	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: C. Support
Category-Sub: 1. Support
Workpaper: 2IT013.000 - Non-Shared Operational Manager, Performance and Organizational Strategy

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	945	1,208	1,266	1,462	1,295
Non-Labor	50	38	58	90	32
NSE	0	0	0	0	0
Total	995	1,246	1,324	1,552	1,327
FTE	11.1	12.6	12.1	13.0	11.6
Adjustments (Nominal \$) **					
Labor	62	0	0	-81	52
Non-Labor	4	0	0	-9	-2
NSE	0	0	0	0	0
Total	66	0	0	-90	49
FTE	0.5	0.0	0.0	-0.7	0.1
Recorded-Adjusted (Nominal \$)					
Labor	1,007	1,208	1,266	1,382	1,347
Non-Labor	53	38	58	81	30
NSE	0	0	0	0	0
Total	1,061	1,246	1,324	1,463	1,377
FTE	11.6	12.6	12.1	12.2	11.7
Vacation & Sick (Nominal \$)					
Labor	171	208	240	243	238
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	171	208	240	243	238
FTE	2.1	2.3	2.4	2.5	2.2
Escalation to 2021\$					
Labor	136	121	84	48	0
Non-Labor	7	3	4	6	0
NSE	0	0	0	0	0
Total	142	124	89	55	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	1,314	1,537	1,590	1,673	1,584
Non-Labor	60	41	62	88	30
NSE	0	0	0	0	0
Total	1,374	1,578	1,652	1,761	1,614
FTE	13.7	14.9	14.5	14.7	13.9

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Workpaper: 2IT013.000 - Non-Shared Operational Manager, Performance and Organizational Strategy

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2017	2018	2019	2020	2021
Labor	62	0	0	-81	52
Non-Labor	4	0	0	-9	-2
NSE	0	0	0	0	0
Total	66	0	0	-90	49
FTE	0.5	0.0	0.0	-0.7	0.1

Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adj Type
2017	0	0	0	0.0	CCTR Transf From 2200-2201.000
Explanation:	Transfer to 2IT013.000 CC 2200-0413.000				
2017	62	4	0	0.5	CCTR Transf From 2100-3511.000
Explanation:	Transfer labor, non-labor, and FTE associated with SCG CCC Strategy & Analysis Manager from cost center 2100-3511 in workpaper group 10O005.000 CCC Support to SCG cost center 2200-0165 in workpaper group 2IT0013 Performance Mgmt and Org Strategy to align activity where it resides and is being forecasted.				
2017 Total	62	4	0	0.5	
2018 Total	0	0	0	0.0	
2019 Total	0	0	0	0.0	
2020	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	-81	0	0	-0.7	CCTR Transf To 2200-0904.000
Explanation:	transfer for Norma Castro-Tirado for historical years 2020 and 2022 when she was charging cost center 2200-2442				
2020	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-3	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Workpaper: 2IT013.000 - Non-Shared Operational Manager, Performance and Organizational Strategy

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>
2020 Total	-81	-9	0	-0.7	
2021	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	171	3	0	1.2	CCTR Transf From 2200-2201.000
Explanation:	Transfer to 2IT013.000, CC 2200-0413.000				
2021	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	-41	0	0	-0.4	CCTR Transf To 2200-0020.000
Explanation:	Dollars that the Organizational Change Management department is charging to CCM is still falling under workpaper 2IT013 but we'd like those specific costs to show up under 2GT005. IO 300811020				
2021	-79	0	0	-0.7	CCTR Transf To 2200-0904.000
Explanation:	transfer for Norma Castro-Tirado for historical years 2020 and 2022 when she was charging cost center 2200-2442				
2021 Total	52	-2	0	0.1	

Note: Totals may include rounding differences.

Southern California Gas Company
 2024 GRC - REVISED SECOND ERRATA
 Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard

Summary of Shared Services Workpapers:

Description	In 2021 \$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
A. Applications	12,701	18,027	18,529	18,867
B. Infrastructure	9,268	5,943	6,046	5,947
C. Support	3,730	2,408	2,300	2,449
Total	25,699	26,378	26,875	27,263

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Cost Center: VARIOUS

Summary for Category: A. Applications

	In 2021\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
Labor	6,147	7,499	7,512	7,512
Non-Labor	6,553	10,527	11,016	11,354
NSE	0	0	0	0
Total	12,700	18,026	18,528	18,866
FTE	50.2	61.4	61.5	61.5

Cost Centers belonging to this Category:

2200-0302.000 Shared Operational Systems and Technology Gas Ops

Labor	2,706	3,450	3,456	3,456
Non-Labor	4,177	5,209	5,209	5,209
NSE	0	0	0	0
Total	6,883	8,659	8,665	8,665
FTE	24.3	30.5	30.5	30.5

2200-2089.000 Shared Operational Applications

Labor	1,419	1,581	1,588	1,588
Non-Labor	467	491	490	489
NSE	0	0	0	0
Total	1,886	2,072	2,078	2,077
FTE	10.8	12.0	12.1	12.1

2200-2272.000 Shared Applications

Labor	1,036	1,429	1,429	1,429
Non-Labor	582	3,082	3,383	3,580
NSE	0	0	0	0
Total	1,618	4,511	4,812	5,009
FTE	7.3	10.6	10.6	10.6

2200-2494.000 Shared Operational Advance Analytics and Innovation

Labor	986	1,039	1,039	1,039
Non-Labor	1,327	1,745	1,934	2,076
NSE	0	0	0	0
Total	2,313	2,784	2,973	3,115
FTE	7.8	8.3	8.3	8.3

Note: Totals may include rounding differences.

Beginning of Workpaper
2200-0302.000 - Shared Operational Systems and Technology Gas Ops

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-0302.000 - Shared Operational Systems and Technology Gas Ops

Activity Description:

This activity includes shared systems and technology gas operations costs that represent labor and non-labor for technology systems where costs are shared between multiple business units and support the objectives of operating and maintaining the company infrastructure systems safely and reliably. This area includes GIS portal, work management field technology, project and records management, work management systems, and Records and Document Management System (RDMS) support.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		3,102	3,258	2,742	3,091	2,706	3,451	3,457	3,457	
Non-Labor		1,931	1,648	2,240	1,768	4,177	5,210	5,210	5,210	
NSE		0	0	0	0	0	0	0	0	
Total		5,033	4,906	4,982	4,859	6,883	8,661	8,667	8,667	
FTE		29.0	28.7	25.2	28.2	24.3	30.5	30.5	30.5	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-0302.000 - Shared Operational Systems and Technology Gas Ops

Cost Center Allocations (Incurred Costs):

	2021 Adjusted-Recorded					2022 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	40	-648	0	-608	0.2	40	-648	0	-608	0.2
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	2,667	4,826	0	7,493	24.1	3,411	5,858	0	9,269	30.3
Total Incurred	2,707	4,178	0	6,885	24.3	3,451	5,210	0	8,661	30.5
% Allocation										
Retained	85.15%	85.15%				80.65%	80.65%			
SEU	14.75%	14.75%				19.35%	19.35%			
CORP	0.10%	0.10%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2023 Adjusted-Forecast					2024 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	40	-648	0	-608	0.2	40	-648	0	-608	0.2
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	3,417	5,858	0	9,275	30.3	3,417	5,858	0	9,275	30.3
Total Incurred	3,457	5,210	0	8,667	30.5	3,457	5,210	0	8,667	30.5
% Allocation										
Retained	80.62%	80.62%				80.62%	80.62%			
SEU	19.38%	19.38%				19.38%	19.38%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Cost Center Allocation Percentage Drivers/Methodology:

Cost Center Allocation Percentage for 2021

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2022

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2023

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2024

Allocations are based on a weighted average of all cost centers within the workpaper.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-0302.000 - Shared Operational Systems and Technology Gas Ops

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	2,706	2,706	2,706	744	750	750	3,450	3,456	3,456
Non-Labor	Base YR Rec	4,177	4,177	4,177	1,032	1,032	1,032	5,209	5,209	5,209
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		6,883	6,883	6,883	1,776	1,782	1,782	8,659	8,665	8,665
FTE	Base YR Rec	24.3	24.3	24.3	6.2	6.2	6.2	30.5	30.5	30.5

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	744	1,032	0	1,776	6.2	1-Sided Adj
Explanation:	Increase in FTE and software maintenance in support of company initiative/service					
2022 Total	744	1,032	0	1,776	6.2	
2023	750	1,032	0	1,782	6.2	1-Sided Adj
Explanation:	FTE and software maintenance in support of company initiative/services					
2023 Total	750	1,032	0	1,782	6.2	
2024	750	1,032	0	1,782	6.2	1-Sided Adj
Explanation:	FTE and software maintenance in support of company initiative/services					
2024 Total	750	1,032	0	1,782	6.2	

Note: Totals may include rounding differences.

SCG/INFORMATION TECHNOLOGY/Exh No:SCG-21-WP-R-2E/Witness: T. Ballard

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Category-Sub: 1. Applications
Cost Center: 2200-0302.000 - Shared Operational Systems and Technology Gas Ops

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	2,398	2,571	2,263	2,603	2,489
Non-Labor	1,745	1,524	2,119	1,758	6,529
NSE	0	0	0	0	0
Total	4,143	4,095	4,383	4,361	9,018
FTE	24.7	24.4	21.9	24.4	22.5
Adjustments (Nominal \$) **					
Labor	-1	-1	-83	-82	-189
Non-Labor	0	-1	0	-63	-2,351
NSE	0	0	0	0	0
Total	-1	-2	-83	-145	-2,540
FTE	-0.1	-0.1	-0.8	-0.8	-2.1
Recorded-Adjusted (Nominal \$)					
Labor	2,397	2,570	2,181	2,521	2,300
Non-Labor	1,745	1,524	2,119	1,695	4,177
NSE	0	0	0	0	0
Total	4,143	4,094	4,300	4,216	6,477
FTE	24.6	24.3	21.1	23.6	20.5
Vacation & Sick (Nominal \$)					
Labor	406	442	413	444	406
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	406	442	413	444	406
FTE	4.4	4.4	4.1	4.6	3.8
Escalation to 2021\$					
Labor	298	246	148	126	0
Non-Labor	186	124	121	72	0
NSE	0	0	0	0	0
Total	484	370	269	199	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	3,102	3,258	2,742	3,091	2,706
Non-Labor	1,931	1,648	2,240	1,768	4,177
NSE	0	0	0	0	0
Total	5,033	4,906	4,982	4,859	6,883
FTE	29.0	28.7	25.2	28.2	24.3

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
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Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-0302.000 - Shared Operational Systems and Technology Gas Ops

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2017	2018	2019	2020	2021
Labor	-0.724	-0.724	-83	-82	-189
Non-Labor	0	-0.786	-0.354	-63	-2,351
NSE	0	0	0	0	0
Total	-0.724	-2	-83	-145	-2,540
FTE	-0.1	-0.1	-0.8	-0.8	-2.1

Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adj Type
2017	-1	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2017 Total	-1	0	0	-0.1	
2018	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2018	-1	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2018 Total	-1	-1	0	-0.1	
2019	0	0	0	0.0	1-Sided Adj
Explanation:	Incremental costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2019	-82	0	0	-0.7	CCTR Transf To 2200-2011.001
Explanation:	Transfer costs to GOSI CC 2200-2011.001 related to SB1371 (BLP) Emissions Strategy Program				
2019	-1	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2019 Total	-83	0	0	-0.8	
2020	0	-50	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	-81	0	0	-0.6	CCTR Transf To 2200-2011.001

Note: Totals may include rounding differences.

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 Cost Center: 2200-0302.000 - Shared Operational Systems and Technology Gas Ops

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>
Explanation:	Transfer costs to GOSI CC 2200-2011.001 related to SB1371 (BLP) Emissions Strategy Program				
2020	0	-13	0	-0.1	CCTR Transf To 2200-2011.002
Explanation:	Transfer costs to GOSI CC 2200-2011.002 related to SB1371 (BLM) Emissions Strategy Program				
2020	-1	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2020 Total	-82	-63	0	-0.8	
2021	0	-23	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	-189	-1,168	0	-2.1	1-Sided Adj
Explanation:	Adjustment to remove non-GRC costs related to the SB1371 Emissions Strategy Program that are being recovered through a separate regulatory process.				
2021	0	-1,160	0	0.0	1-Sided Adj
Explanation:	Adjustment for one time refundable				
2021 Total	-189	-2,351	0	-2.1	

Note: Totals may include rounding differences.

Southern California Gas Company
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RAMP Item # 1

RAMP Activity

RAMP Chapter: SCG-Risk-2 Excavation Damage (Dig-In) on the Gas System

RAMP Line Item ID: C31-C32

RAMP Line Item Name: Ticket Risk Assessment

Tranche(/s): Tranche1: MP

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Cost (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
					Low	High
Tranche 1 Cost Estimate	83	83	83	83	224	287

Cost Estimate Changes from RAMP:

The GRC forecast is outside the RAMP range due to forecast updates

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2024 RAMP Range Activities	
					Low	High
Tranche 1 N/A	0.00	0.00	0.00	0.00	0.00	0.00

Work Unit Changes from RAMP:

N/A

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	6.000	0.000

RSE Changes from RAMP:

N/A

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-0302.000 - Shared Operational Systems and Technology Gas Ops

RAMP Item # 2

RAMP Activity

RAMP Chapter: SCG-CFF-4 Foundational Technology Systems

RAMP Line Item ID: CFF 1 - CFF 8

RAMP Line Item Name: All Activities

Tranche(/s): Tranche1: Overall

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Cost (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
					Low	High
Tranche 1 Cost Estimate	910	831	835	835	331	423

Cost Estimate Changes from RAMP:

Forecast is outside of the RAMP range due to the forecast update.

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2024 RAMP Range Activities	
					Low	High
Tranche 1 N/A	0.00	0.00	0.00	0.00	0.00	0.00

Work Unit Changes from RAMP:

N/A

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

RSE Changes from RAMP:

N/A

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-0302.000 - Shared Operational Systems and Technology Gas Ops

RAMP Item # 3

RAMP Activity

RAMP Chapter: SCG-CFF-1 Asset and Records Management

RAMP Line Item ID: 03

RAMP Line Item Name: Information Mgt System

Tranche(/s): Tranche1: N/A

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Cost (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
					Low	High
Tranche 1 Cost Estimate	5,163	6,872	6,872	6,872	12,889	16,469

Cost Estimate Changes from RAMP:

This is one of two workpapers (21T017) for this witness requesting funds for this activity

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2024 RAMP Range Activities	
					Low	High
Tranche 1 N/A	0.00	0.00	0.00	0.00	0.00	0.00

Work Unit Changes from RAMP:

N/A

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

RSE Changes from RAMP:

RSE values were not calculated for CFF activities

Supplemental Workpapers for Workpaper 2200-0302.000

SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-0302

2021											
Workpaper	Cost Center	2021 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-0302.000	2200-0302	\$ 993,294	14%	86%			137,373	855,922			Ratio of Miles to Pipe
	2200-0308	\$ 528,178	9%	91%			47,536	480,642			Ratio of Miles to Pipe
	2200-0303	\$ 58,369	13%	87%			7,816	50,553			Ratio of Miles to Pipe
	2200-0305	\$ 1,613,866	13%	87%			216,097	1,397,770			Ratio of Miles to Pipe
	2200-0306	\$ 1,168,290	13%	87%			156,200	1,012,090			Ratio of Miles to Pipe
	2200-2253	\$ 135,770	8%	92%			10,332	125,438			P/Y Dept. Activity Study
	2200-2261	\$ 891	0%	0%			-	-			N/A
	2200-2376	\$ 800,563	9%	91%			72,051	728,512			Ratio of Miles to Pipe
	2200-2445	\$ 1,033,377	34%	66%			353,828	679,549			Employee Matrix
	2200-2446	\$ 145,620	15%	85%			21,333	124,287			Employee Matrix
Grand Total		6,478,218					1,022,566	5,454,761	-	-	

15.78%	84.20%	0.00%	0.00%	2021 Weighted Average of 2200-0302.000
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2022											
Workpaper	Cost Center	2022 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-0302.000	2200-0302	\$ 1,564,866	14%	86%			216,420.95	1,348,445			Ratio of Miles to Pipe
	2200-0308	\$ 561,599	9%	91%			50,543.95	511,055			Ratio of Miles to Pipe
	2200-0303	\$ 234,020	13%	87%			31,335.22	202,684			Ratio of Miles to Pipe
	2200-0305	\$ 2,271,775	13%	87%			304,190.69	1,967,584			Ratio of Miles to Pipe
	2200-0306	\$ 1,080,495	13%	87%			144,462.15	936,033			Ratio of Miles to Pipe
	2200-2253	\$ 135,543	8%	92%			10,314.84	125,228			P/Y Dept. Activity Study
	2200-2261	\$ -	0%	0%			-	-			N/A
	2200-2376	\$ 1,159,688	9%	91%			104,371.93	1,055,316			Ratio of Miles to Pipe
	2200-2445	\$ 1,068,642	34%	66%			365,903.13	702,739			Employee Matrix
	2200-2446	\$ 176,185	15%	85%			25,811.09	150,374			Employee Matrix

SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-0302
Grand Total

8,252,813	1,253,354	6,999,459	-	-
15.19%	84.81%	0.00%	0.00%	2022 Weighted Average of 2200-0302.000

2023											
Workpaper	Cost Center	2023 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-0302.000	2200-0302	\$ 1,564,866	14%	86%			216,421	1,348,445			Ratio of Miles to Pipe
	2200-0308	\$ 561,599	9%	91%			50,544	511,055			Ratio of Miles to Pipe
	2200-0303	\$ 234,020	13%	87%			31,335	202,684			Ratio of Miles to Pipe
	2200-0305	\$ 2,271,775	13%	87%			304,191	1,967,584			Ratio of Miles to Pipe
	2200-0306	\$ 1,080,495	13%	87%			144,462	936,033			Ratio of Miles to Pipe
	2200-2253	\$ 135,543	8%	92%			10,315	125,228			P/Y Dept. Activity Study
	2200-2261	\$ -	0%	0%			-	-			N/A
	2200-2376	\$ 1,159,688	9%	91%			104,372	1,055,316			Ratio of Miles to Pipe
	2200-2445	\$ 1,074,940	34%	66%			368,059	706,880			Employee Matrix
	2200-2446	\$ 176,185	15%	85%			25,811	150,374			Employee Matrix
Grand Total		8,259,111					1,255,510	7,003,601	-	-	

15.20%	84.80%	0.00%	0.00%	2023 Weighted Average of 2200-0302.000
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2024											
Workpaper	Cost Center	2024 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-0302.000	2200-0302	\$ 1,564,866	14%	86%			216,421	1,348,445			Ratio of Miles to Pipe
	2200-0308	\$ 561,599	9%	91%			50,544	511,055			Ratio of Miles to Pipe
	2200-0303	\$ 234,020	13%	87%			31,335	202,684			Ratio of Miles to Pipe
	2200-0305	\$ 2,271,775	13%	87%			304,191	1,967,584			Ratio of Miles to Pipe
	2200-0306	\$ 1,080,495	13%	87%			144,462	936,033			Ratio of Miles to Pipe
	2200-2253	\$ 135,543	8%	92%			10,315	125,228			P/Y Dept. Activity Study
	2200-2261	\$ -	0%	0%			-	-			N/A

SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-0302

2200-2376	\$	1,159,688	9%	91%	104,372	1,055,316	Ratio of Miles to Pipe
2200-2445	\$	1,074,940	34%	66%	368,059	706,880	Employee Matrix
2200-2446	\$	176,185	15%	85%	25,811	150,374	Employee Matrix

Grand Total		8,259,111			1,255,510	7,003,601	-	-
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15.20%	84.80%	0.00%	0.00%	2024 Weighted Average of 2200-0302.000
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Beginning of Workpaper
2200-2089.000 - Shared Operational Applications

Southern California Gas Company
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Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-2089.000 - Shared Operational Applications

Activity Description:

This activity includes shared Information Technology (IT) applications costs that represent labor and non-labor for technology systems where costs are shared between multiple business units and support the objectives of operating and maintaining the company infrastructure systems safely and reliably. The types of systems supported in this area include business voice communication services such as managing platforms and tools used by Customer Contact Center (CCC) to interact via voice technologies with external customers. In addition, this area supports applications responsible for facilitating and billing of major markets gas services.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		1,753	1,873	2,073	1,473	1,419	1,582	1,589	1,589	
Non-Labor		436	451	503	908	467	491	490	489	
NSE		0	0	0	0	0	0	0	0	
Total		2,189	2,324	2,576	2,381	1,887	2,073	2,079	2,078	
FTE		13.9	14.9	16.2	11.4	10.8	12.0	12.1	12.1	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-2089.000 - Shared Operational Applications

Cost Center Allocations (Incurred Costs):

	2021 Adjusted-Recorded					2022 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	29	0	0	29	0.2	29	0	0	29	0.2
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	1,391	467	0	1,858	10.6	1,553	491	0	2,044	11.8
Total Incurred	1,420	467	0	1,887	10.8	1,582	491	0	2,073	12.0
% Allocation										
Retained	90.35%	90.35%				90.50%	90.50%			
SEU	9.65%	9.65%				9.48%	9.48%			
CORP	0.00%	0.00%				0.02%	0.02%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2023 Adjusted-Forecast					2024 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	29	0	0	29	0.2	29	0	0	29	0.2
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	1,560	490	0	2,050	11.9	1,560	489	0	2,049	11.9
Total Incurred	1,589	490	0	2,079	12.1	1,589	489	0	2,078	12.1
% Allocation										
Retained	90.45%	90.45%				90.44%	90.44%			
SEU	9.54%	9.54%				9.54%	9.54%			
CORP	0.01%	0.01%				0.02%	0.02%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Cost Center Allocation Percentage Drivers/Methodology:

Cost Center Allocation Percentage for 2021

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2022

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2023

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2024

Allocations are based on a weighted average of all cost centers within the workpaper.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-2089.000 - Shared Operational Applications

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	1,419	1,419	1,419	162	169	169	1,581	1,588	1,588
Non-Labor	Base YR Rec	467	467	467	24	23	22	491	490	489
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		1,887	1,887	1,887	186	192	191	2,073	2,079	2,078
FTE	Base YR Rec	10.8	10.8	10.8	1.2	1.3	1.3	12.0	12.1	12.1

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	162	24	0	186	1.2	1-Sided Adj
Explanation:	Slight increase in FTE to support Major Market App. Non-labor = increase in travel and Major Market App software					
2022 Total	162	24	0	186	1.2	
2023	169	23	0	192	1.3	1-Sided Adj
Explanation:	Slight increase in FTE to support Major Market App. Non-labor = increase in travel and Major Market App software					
2023 Total	169	23	0	192	1.3	
2024	169	22	0	191	1.3	1-Sided Adj
Explanation:	Slight increase in FTE to support Major Market App. Non-labor = increase in travel and Major Market App software					
2024 Total	169	22	0	191	1.3	

Note: Totals may include rounding differences.

SCG/INFORMATION TECHNOLOGY/Exh No:SCG-21-WP-R-2E/Witness: T. Ballard

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Category-Sub: 1. Applications
Cost Center: 2200-2089.000 - Shared Operational Applications

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	1,355	1,477	1,649	1,201	1,206
Non-Labor	394	417	475	973	487
NSE	0	0	0	0	0
Total	1,749	1,894	2,124	2,174	1,694
FTE	11.8	12.6	13.6	9.5	9.0
Adjustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	-102	-20
NSE	0	0	0	0	0
Total	0	0	0	-102	-20
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Nominal \$)					
Labor	1,355	1,477	1,649	1,201	1,206
Non-Labor	394	417	475	871	467
NSE	0	0	0	0	0
Total	1,749	1,894	2,124	2,072	1,674
FTE	11.8	12.6	13.6	9.5	9.1
Vacation & Sick (Nominal \$)					
Labor	230	254	313	212	213
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	230	254	313	212	213
FTE	2.1	2.3	2.6	1.9	1.7
Escalation to 2021\$					
Labor	169	141	112	60	0
Non-Labor	42	34	27	37	0
NSE	0	0	0	0	0
Total	211	175	139	97	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	1,753	1,873	2,073	1,473	1,419
Non-Labor	436	451	503	908	467
NSE	0	0	0	0	0
Total	2,189	2,324	2,576	2,381	1,887
FTE	13.9	14.9	16.2	11.4	10.8

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-2089.000 - Shared Operational Applications

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs						
	Years	2017	2018	2019	2020	2021
Labor		0	0	0	0	0
Non-Labor		0	0	0	-102	-20
NSE		0	0	0	0	0
	Total	0	0	0	-102	-20
FTE		0.0	0.0	0.0	0.0	0.0

Detail of Adjustments to Recorded:

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>
2017 Total	0	0	0	0.0	
2018 Total	0	0	0	0.0	
2019 Total	0	0	0	0.0	
2020	0	-102	0	0.0	1-Sided Adj
2020 Total	0	-102	0	0.0	
2021	0	-20	0	0.0	1-Sided Adj
2021 Total	0	-20	0	0.0	

Explanation: Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).

Explanation: Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).

Note: Totals may include rounding differences.

Supplemental Workpapers for Workpaper 2200-2089.000

SCG-21

Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
 Witness: Tia L. Ballard
 Workpaper: 2200-2089

2021											
Workpaper	Cost Center	2021 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2089.000	2200-2089	\$ 1,587	43%	53%	4%		684	845	59		Employee Matrix Weighted Avg. of Dept. Allocations Call volume P/Y Dept. Activity Study
	2200-2181	\$ 380	43%	55%	2%		163	208	9		
	2200-2395	\$ 599,255	22%	78%	0%		132,555	466,700	-		
	2200-2451	\$ 1,072,620	3%	97%	0%		28,103	1,044,517	-		
Grand Total		1,673,843					161,505	1,512,270	68	-	

2021 Weighted Average of 2200-2089.000	9.65%	90.35%	0.00%	0.00%
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2022											
Workpaper	Cost Center	2022 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2089.000	2200-2089	\$ -	0%	0%	0%		-	-	-		Employee Matrix Weighted Avg. of Dept. Allocations Call volume P/Y Dept. Activity Study
	2200-2181	\$ 11,641	43%	55%	2%		4,997.46	6,378	265		
	2200-2395	\$ 630,423	22%	78%	0%		139,449.48	490,973	-		
	2200-2451	\$ 1,217,616	3%	97%	0%		31,901.53	1,185,714	-		
Grand Total		1,859,679					176,348	1,683,065	265	-	

2022 Weighted Average of 2200-2089.000	9.48%	90.50%	0.01%	0.00%
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SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-2089

2023											
Workpaper	Cost Center	2023 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2089.000	2200-2089	\$ -	0%	0%	0%		-	-	-		Employee Matrix Weighted Avg. of Dept. Allocations Call volume P/Y Dept. Activity Study
	2200-2181	\$ 11,641	43%	55%	2%		4,997	6,378	265		
	2200-2395	\$ 637,650	22%	78%	0%		141,048	496,602	-		
	2200-2451	\$ 1,216,416	3%	97%	0%		31,870	1,184,546	-		
Grand Total		1,865,707					177,916	1,687,526	265	-	
							9.54%	90.45%	0.01%	0.00%	2023 Weighted Average of 2200- 2089.000

2024											
Workpaper	Cost Center	2024 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2089.000	2200-2089	\$ -	0%	0%	0%		-	-	-		Employee Matrix Weighted Avg. of Dept. Allocations Call volume P/Y Dept. Activity Study
	2200-2181	\$ 11,641	43%	55%	2%		4,997	6,378	265		
	2200-2395	\$ 637,777	22%	78%	0%		141,076	496,700	-		
	2200-2451	\$ 1,214,940	3%	97%	0%		31,831	1,183,108	-		
Grand Total		1,864,357					177,905	1,686,187	265	-	
							9.54%	90.44%	0.01%	0.00%	2024 Weighted Average of 2200- 2089.000

Beginning of Workpaper
2200-2272.000 - Shared Applications

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-2272.000 - Shared Applications

Activity Description:

This activity includes shared Information Technology (IT) applications costs that represent labor and non-labor for technology systems where costs are shared between multiple business units and support all other company-specific activities. The types of systems supported in this area include SCG financial and human resource systems, portfolio management services, communications and digital operations, and cloud services.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		1,259	1,488	1,259	1,131	1,036	1,429	1,429	1,429	
Non-Labor		461	514	375	361	582	3,081	3,382	3,579	
NSE		0	0	0	0	0	0	0	0	
Total		1,720	2,002	1,633	1,493	1,618	4,510	4,811	5,008	
FTE		9.4	10.9	9.9	8.1	7.3	10.6	10.6	10.6	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Category-Sub: 1. Applications
Cost Center: 2200-2272.000 - Shared Applications

Cost Center Allocations (Incurred Costs):

	2021 Adjusted-Recorded					2022 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	2	3	0	5	0.0	2	3	0	5	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	1,034	578	0	1,612	7.3	1,427	3,078	0	4,505	10.6
Total Incurred	1,036	581	0	1,617	7.3	1,429	3,081	0	4,510	10.6
% Allocation										
Retained	64.15%	64.15%				56.79%	56.79%			
SEU	31.63%	31.63%				40.88%	40.88%			
CORP	4.22%	4.22%				2.33%	2.33%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2023 Adjusted-Forecast					2024 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	2	3	0	5	0.0	2	3	0	5	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	1,427	3,379	0	4,806	10.6	1,427	3,576	0	5,003	10.6
Total Incurred	1,429	3,382	0	4,811	10.6	1,429	3,579	0	5,008	10.6
% Allocation										
Retained	56.66%	56.66%				56.58%	56.58%			
SEU	41.16%	41.16%				41.32%	41.32%			
CORP	2.18%	2.18%				2.10%	2.10%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Cost Center Allocation Percentage Drivers/Methodology:

Cost Center Allocation Percentage for 2021

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2022

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2023

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2024

Allocations are based on a weighted average of all cost centers within the workpaper.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-2272.000 - Shared Applications

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	1,036	1,036	1,036	393	393	393	1,429	1,429	1,429
Non-Labor	Base YR Rec	582	582	582	2,500	2,801	2,998	3,082	3,383	3,580
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		1,618	1,618	1,618	2,893	3,194	3,391	4,511	4,812	5,009
FTE	Base YR Rec	7.3	7.3	7.3	3.3	3.3	3.3	10.6	10.6	10.6

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	393	2,500	0	2,893	3.3	1-Sided Adj
Explanation:	Increase in FTEs and 2 SAAS projects transferred from workpaper 2200-1220.000 starting in 2022 and increase in SAP Premise Application, Cloud Consumption, GXS (Open Text - EDIX),					
2022 Total	393	2,500	0	2,893	3.3	
2023	393	2,801	0	3,194	3.3	1-Sided Adj
Explanation:	Increase in FTEs and 2 SAAS projects transferred from workpaper 2200-1220.000 starting in 2022 and increase in SAP Premise Application, Cloud Consumption, GXS (Open Text - EDIX),					
2023 Total	393	2,801	0	3,194	3.3	
2024	393	2,998	0	3,391	3.3	1-Sided Adj
Explanation:	Increase in FTEs and 2 SAAS projects transferred from workpaper 2200-1220.000 starting in 2022 and increase in SAP Premise Application, Cloud Consumption, GXS (Open Text - EDIX),					
2024 Total	393	2,998	0	3,391	3.3	

Note: Totals may include rounding differences.

SCG/INFORMATION TECHNOLOGY/Exh No:SCG-21-WP-R-2E/Witness: T. Ballard

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Category-Sub: 1. Applications
Cost Center: 2200-2272.000 - Shared Applications

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	973	1,174	1,001	924	881
Non-Labor	416	475	354	376	1,031
NSE	0	0	0	0	0
Total	1,389	1,649	1,355	1,300	1,912
FTE	8.1	9.3	8.4	7.0	6.2
Adjustments (Nominal \$) **					
Labor	0	0	0	-1	0
Non-Labor	0	0	0	-30	-449
NSE	0	0	0	0	0
Total	0	0	0	-31	-449
FTE	-0.1	-0.1	-0.1	-0.2	-0.1
Recorded-Adjusted (Nominal \$)					
Labor	973	1,174	1,001	922	881
Non-Labor	416	475	354	347	582
NSE	0	0	0	0	0
Total	1,389	1,649	1,355	1,269	1,462
FTE	8.0	9.2	8.3	6.8	6.1
Vacation & Sick (Nominal \$)					
Labor	165	202	190	163	155
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	165	202	190	163	155
FTE	1.4	1.7	1.6	1.3	1.2
Escalation to 2021\$					
Labor	121	112	68	46	0
Non-Labor	44	39	20	15	0
NSE	0	0	0	0	0
Total	165	151	88	61	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	1,259	1,488	1,259	1,131	1,036
Non-Labor	461	514	375	361	582
NSE	0	0	0	0	0
Total	1,720	2,002	1,633	1,493	1,618
FTE	9.4	10.9	9.9	8.1	7.3

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Category-Sub: 1. Applications
Cost Center: 2200-2272.000 - Shared Applications

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs						
	Years	2017	2018	2019	2020	2021
Labor		-0.065	-0.065	-0.065	-1	-0.065
Non-Labor		0	0	0	-30	-449
NSE		0	0	0	0	0
	Total	-0.065	-0.065	-0.065	-31	-449
FTE		-0.1	-0.1	-0.1	-0.2	-0.1

Detail of Adjustments to Recorded:

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>
2017	0	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2017 Total	0	0	0	-0.1	
2018	0	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2018 Total	0	0	0	-0.1	
2019	0	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2019 Total	0	0	0	-0.1	
2020	0	-30	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	-1	0	0	-0.1	CCTR Transf To 2200-2011.002
Explanation:	Transfer costs to GOSI CC 2200-2011.002 related to SB1371 (BLM) Emissions Strategy Program				
2020	0	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2020 Total	-1	-30	0	-0.2	
2021	0	-553	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				

Note: Totals may include rounding differences.

Southern California Gas Company
 2024 GRC - REVISED SECOND ERRATA
 Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-2272.000 - Shared Applications

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>
2021	0	127	0	0.0	1-Sided Adj
Explanation:	Costs for Cost center 2200-0943. Should be in workpaper 2200-2272, not 2IT007.000				
2021	0	-23	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove non-GRC costs related to the SB1371 Emissions Strategy Program that are being recovered through a separate regulatory process.				
2021	0	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2021 Total	0	-449	0	-0.1	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-2272.000 - Shared Applications

RAMP Item # 1

RAMP Activity

RAMP Chapter: SCG-CFF-4 Foundational Technology Systems
 RAMP Line Item ID: CFF 1 - CFF 8
 RAMP Line Item Name: All Activities
 Tranche(/s): Tranche1: Overall

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Cost (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
					Low	High
Tranche 1 Cost Estimate	32	65	65	65	269	343

Cost Estimate Changes from RAMP:

Forecast is outside of the RAMP range due to the forecast update.

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2024 RAMP Range Activities	
					Low	High
Tranche 1 N/A	0.00	0.00	0.00	0.00	0.00	0.00

Work Unit Changes from RAMP:

N/A

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

RSE Changes from RAMP:

N/A

Supplemental Workpapers for Workpaper 2200-2272.000

SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-2272

2021											
Workpaper	Cost Center	2021 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2272.000	2200-2272	\$ 26,715	43%	53%	4%		11,512	14,213	991		Employee Matrix
	2200-2384	\$ 247,929	4%	96%	0%		10,884	237,045	-		P/Y Dept. Activity Study
	2200-2418	\$ 201,798	4%	96%	0%		7,184	194,614	-		Weighted Avg. of Dept. Allocations
	2200-2444	\$ 334,987	43%	53%	4%		144,346	178,213	12,428		Employee Matrix
	2200-2470	\$ 61,478	43%	53%	4%		26,491	32,706	2,281		Employee Matrix
	2200-2503	\$ 265,479	51%	33%	16%		136,562	86,307	42,609		edix interface count
	2200-0943	\$ 126,500	29%	69%	3%		36,242	86,867	3,390		Employee Matrix
	2200-0947	\$ 197,438	45%	55%	0%		89,321	108,117	-		Weighted Avg. of Dept. Allocations
Grand Total		1,462,324					462,542	938,083	61,700	-	

31.63%	64.15%	4.22%	0.00%	2021 Weighted Average of 2200-2272.000
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2022											
Workpaper	Cost Center	2022 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2272.000	2200-2272	\$ 179,987	43%	53%	4%		77,556.56	95,753	6,678		Employee Matrix
	2200-2384	\$ 207,242	4%	96%	0%		9,097.91	198,144	-		P/Y Dept. Activity Study
	2200-2418	\$ 177,930	4%	96%	0%		6,334.31	171,596	-		Weighted Avg. of Dept. Allocations
	2200-2444	\$ 507,326	43%	53%	4%		218,606.91	269,898	18,822		Employee Matrix
	2200-2470	\$ 119,552	43%	53%	4%		51,515.15	63,602	4,435		Employee Matrix
	2200-2503	\$ 407,926	51%	33%	16%		209,836.96	132,617	65,472		edix interface count
	2200-0943	\$ 235,967	29%	69%	3%		67,604.55	162,039	6,324		Employee Matrix
	2200-0947	\$ 2,519,757	45%	55%	0%		1,139,937.99	1,379,819	-		Weighted Avg. of Dept. Allocations
Grand Total		4,355,687					1,780,490	2,473,466	101,731	-	

40.88%	56.79%	2.34%	0.00%	2022 Weighted Average of 2200-2272.000
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SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

2023											
Workpaper	Cost Center	2023 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2272.000	2200-2272	\$ 179,987	43%	53%	4%		77,557	95,753	6,678		Employee Matrix
	2200-2384	\$ 207,242	4%	96%	0%		9,098	198,144	-		P/Y Dept. Activity Study
	2200-2418	\$ 177,930	4%	96%	0%		6,334	171,596	-		Weighted Avg. of Dept. Allocations
	2200-2444	\$ 507,326	43%	53%	4%		218,607	269,898	18,822		Employee Matrix
	2200-2470	\$ 119,552	43%	53%	4%		51,515	63,602	4,435		Employee Matrix
	2200-2503	\$ 407,926	51%	33%	16%		209,837	132,617	65,472		edix interface count
	2200-0943	\$ 235,967	29%	69%	3%		67,605	162,039	6,324		Employee Matrix
	2200-0947	\$ 2,820,565	45%	55%	0%		1,276,024	1,544,541	-		Weighted Avg. of Dept. Allocations
Grand Total		4,656,495					1,916,576	2,638,189	101,731	-	

41.16%	56.66%	2.18%	0.00%	2023 Weighted Average of 2200-2272.000
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2024											
Workpaper	Cost Center	2024 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2272.000	2200-2272	\$ 179,987	43%	53%	4%		77,557	95,753	6,678		Employee Matrix
	2200-2384	\$ 207,242	4%	96%	0%		9,098	198,144	-		P/Y Dept. Activity Study
	2200-2418	\$ 177,930	4%	96%	0%		6,334	171,596	-		Weighted Avg. of Dept. Allocations
	2200-2444	\$ 507,326	43%	53%	4%		218,607	269,898	18,822		Employee Matrix
	2200-2470	\$ 119,552	43%	53%	4%		51,515	63,602	4,435		Employee Matrix
	2200-2503	\$ 407,926	51%	33%	16%		209,837	132,617	65,472		edix interface count
	2200-0943	\$ 235,967	29%	69%	3%		67,605	162,039	6,324		Employee Matrix
	2200-0947	\$ 3,016,987	45%	55%	0%		1,364,885	1,652,102	-		Weighted Avg. of Dept. Allocations
Grand Total		4,852,917					2,005,437	2,745,749	101,731	-	

41.32%	56.58%	2.10%	0.00%	2024 Weighted Average of 2200-2272.000
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Beginning of Workpaper
2200-2494.000 - Shared Operational Advance Analytics and Innovation

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-2494.000 - Shared Operational Advance Analytics and Innovation

Activity Description:

This activity includes shared advance analytics and innovation costs that represent all labor and non-labor for technology systems where costs are shared between multiple business units and support the objectives of operating and maintaining the company infrastructure systems safely and reliably. This area supports business intelligence analytics including data science capabilities across the enterprise, through data, software, and platform engineering.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		422	758	1,008	1,023	986	1,039	1,039	1,039	
Non-Labor		227	368	637	807	1,327	1,746	1,935	2,077	
NSE		0	0	0	0	0	0	0	0	
Total		649	1,126	1,645	1,830	2,313	2,785	2,974	3,116	
FTE		3.3	6.1	8.2	8.3	7.8	8.3	8.3	8.3	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-2494.000 - Shared Operational Advance Analytics and Innovation

Cost Center Allocations (Incurred Costs):

	2021 Adjusted-Recorded					2022 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	25	1	0	26	0.1	25	1	0	26	0.1
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	961	1,327	0	2,288	7.7	1,014	1,745	0	2,759	8.2
Total Incurred	986	1,328	0	2,314	7.8	1,039	1,746	0	2,785	8.3
% Allocation										
Retained	53.20%	53.20%				53.20%	53.20%			
SEU	43.09%	43.09%				43.09%	43.09%			
CORP	3.71%	3.71%				3.71%	3.71%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2023 Adjusted-Forecast					2024 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	25	1	0	26	0.1	25	1	0	26	0.1
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	1,014	1,934	0	2,948	8.2	1,014	2,076	0	3,090	8.2
Total Incurred	1,039	1,935	0	2,974	8.3	1,039	2,077	0	3,116	8.3
% Allocation										
Retained	53.20%	53.20%				53.20%	53.20%			
SEU	43.09%	43.09%				43.09%	43.09%			
CORP	3.71%	3.71%				3.71%	3.71%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Cost Center Allocation Percentage Drivers/Methodology:

Cost Center Allocation Percentage for 2021

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2022

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2023

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2024

Allocations are based on a weighted average of all cost centers within the workpaper.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-2494.000 - Shared Operational Advance Analytics and Innovation

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	986	986	986	53	53	53	1,039	1,039	1,039
Non-Labor	Base YR Rec	1,327	1,327	1,327	418	607	749	1,745	1,934	2,076
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		2,313	2,313	2,313	471	660	802	2,784	2,973	3,115
FTE	Base YR Rec	7.8	7.8	7.8	0.5	0.5	0.5	8.3	8.3	8.3

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	53	418	0	471	0.5	1-Sided Adj
Explanation:	Increase due to Cloud Consumption. Cloud - PAAS; Machine Learning that can be deployed to production environment so can be consumed by other applications					
2022 Total	53	418	0	471	0.5	
2023	53	607	0	660	0.5	1-Sided Adj
Explanation:	Increase due to Cloud Consumption. Cloud - PAAS; Machine Learning that can be deployed to production environment so can be consumed by other applications					
2023 Total	53	607	0	660	0.5	
2024	53	749	0	802	0.5	1-Sided Adj
Explanation:	Increase due to Cloud Consumption. Cloud - PAAS; Machine Learning that can be deployed to production environment so can be consumed by other applications					
2024 Total	53	749	0	802	0.5	

Note: Totals may include rounding differences.

SCG/INFORMATION TECHNOLOGY/Exh No:SCG-21-WP-R-2E/Witness: T. Ballard

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: A. Applications
Category-Sub: 1. Applications
Cost Center: 2200-2494.000 - Shared Operational Advance Analytics and Innovation

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	326	598	802	834	838
Non-Labor	205	340	603	800	1,332
NSE	0	0	0	0	0
Total	532	938	1,404	1,634	2,170
FTE	2.9	5.2	6.9	6.9	6.6
Adjustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	-25	-5
NSE	0	0	0	0	0
Total	0	0	0	-25	-5
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Nominal \$)					
Labor	326	598	802	834	838
Non-Labor	205	340	603	774	1,327
NSE	0	0	0	0	0
Total	532	938	1,404	1,609	2,165
FTE	2.8	5.2	6.9	7.0	6.6
Vacation & Sick (Nominal \$)					
Labor	55	103	152	147	148
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	55	103	152	147	148
FTE	0.5	0.9	1.3	1.3	1.2
Escalation to 2021\$					
Labor	41	57	54	42	0
Non-Labor	22	28	34	33	0
NSE	0	0	0	0	0
Total	62	85	89	75	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	422	758	1,008	1,023	986
Non-Labor	227	368	637	807	1,327
NSE	0	0	0	0	0
Total	649	1,126	1,645	1,830	2,313
FTE	3.3	6.1	8.2	8.3	7.8

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: A. Applications
 Category-Sub: 1. Applications
 Cost Center: 2200-2494.000 - Shared Operational Advance Analytics and Innovation

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs						
	Years	2017	2018	2019	2020	2021
Labor		0	0	0	0	0
Non-Labor		0	0	0	-25	-5
NSE		0	0	0	0	0
	Total	0	0	0	-25	-5
FTE		0.0	0.0	0.0	0.0	0.0

Detail of Adjustments to Recorded:

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>
2017 Total	0	0	0	0.0	
2018 Total	0	0	0	0.0	
2019 Total	0	0	0	0.0	
2020	0	-22	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	-3	0	0.0	CCTR Transf To 2200-2011.001
Explanation:	Transfer costs to GOSI CC 2200-2011.001 related to SB1371 (BLP) Emissions Strategy Program				
2020 Total	0	-25	0	0.0	
2021	0	-5	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021 Total	0	-5	0	0.0	

Note: Totals may include rounding differences.

Supplemental Workpapers for Workpaper 2200-2494.000

SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-2494

2021											
Workpaper	Cost Center	2021 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2494.000	2200-2494	\$ 2,102,185	43%	53%	4%		905,832	1,118,362	77,991		Employee Matrix
Grand Total		2,102,185					905,832	1,118,362	77,991	-	

43.09%	53.20%	3.71%	0.00%	2021 Weighted Average of 2200-2494.000
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2022											
Workpaper	Cost Center	2022 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2494.000	2200-2494	\$ 2,636,368	43%	53%	4%		1,136,010.79	1,402,548	97,809		Employee Matrix
Grand Total		2,636,368					1,136,011	1,402,548	97,809	-	

43.09%	53.20%	3.71%	0.00%	2022 Weighted Average of 2200-2494.000
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2023											
Workpaper	Cost Center	2023 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2494.000	2200-2494	\$ 2,825,768	43%	53%	4%		1,217,623	1,503,308	104,836		Employee Matrix
Grand Total		2,825,768					1,217,623	1,503,308	104,836	-	

43.09%	53.20%	3.71%	0.00%	2023 Weighted Average of 2200-2494.000
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2024											
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SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-2494

Workpaper	Cost Center	2024 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2494.000	2200-2494	\$ 2,967,608	43%	53%	4%		1,278,742	1,578,767	110,098		Employee Matrix

Grand Total		2,967,608					1,278,742	1,578,767	110,098	-	
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							43.09%	53.20%	3.71%	0.00%	2024 Weighted Average of 2200-2494.000
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Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: B. Infrastructure
Cost Center: VARIOUS

Summary for Category: B. Infrastructure

	In 2021\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
Labor	3,502	3,666	3,813	3,836
Non-Labor	5,766	2,277	2,233	2,111
NSE	0	0	0	0
Total	9,268	5,943	6,046	5,947
FTE	27.2	28.6	29.8	30.0

Cost Centers belonging to this Category:

2200-0619.000 Shared Operational Infrastructure

Labor	3,244	3,461	3,608	3,631
Non-Labor	3,652	1,826	1,783	1,661
NSE	0	0	0	0
Total	6,896	5,287	5,391	5,292
FTE	25.2	27.0	28.2	28.4

2200-2453.000 Shared Infrastructure

Labor	258	205	205	205
Non-Labor	2,114	451	450	450
NSE	0	0	0	0
Total	2,372	656	655	655
FTE	2.0	1.6	1.6	1.6

Note: Totals may include rounding differences.

Beginning of Workpaper
2200-0619.000 - Shared Operational Infrastructure

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: B. Infrastructure
 Category-Sub: 1. Infrastructure
 Cost Center: 2200-0619.000 - Shared Operational Infrastructure

Activity Description:

This activity includes shared Information Technology (IT) infrastructure costs that represent labor and non-labor for technology systems where costs are shared between multiple business units and support the objectives of operating and maintaining the company infrastructure systems safely and reliably. The types of systems supported in this area include shared contracts, Cloud Office PaaS/IaaS, telecommunications, contract and managed services, database services, data protection and storage engineering, networks, portfolio management (PMO) and service continuity management.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		6,220	5,839	3,038	3,163	3,244	3,461	3,608	3,631	
Non-Labor		1,504	1,006	847	889	3,652	1,826	1,783	1,661	
NSE		0	0	0	0	0	0	0	0	
Total		7,724	6,845	3,886	4,053	6,896	5,287	5,391	5,292	
FTE		50.6	46.3	24.0	24.6	25.2	27.0	28.2	28.4	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: B. Infrastructure
 Category-Sub: 1. Infrastructure
 Cost Center: 2200-0619.000 - Shared Operational Infrastructure

Cost Center Allocations (Incurred Costs):

	2021 Adjusted-Recorded					2022 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	88	251	0	339	0.4	88	251	0	339	0.4
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	3,156	3,401	0	6,557	24.8	3,373	1,575	0	4,948	26.6
Total Incurred	3,244	3,652	0	6,896	25.2	3,461	1,826	0	5,287	27.0
% Allocation										
Retained	52.91%	52.91%				52.77%	52.77%			
SEU	43.70%	43.70%				43.95%	43.95%			
CORP	3.39%	3.39%				3.28%	3.28%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2023 Adjusted-Forecast					2024 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	88	251	0	339	0.4	88	251	0	339	0.4
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	3,520	1,532	0	5,052	27.8	3,543	1,410	0	4,953	28.0
Total Incurred	3,608	1,783	0	5,391	28.2	3,631	1,661	0	5,292	28.4
% Allocation										
Retained	52.67%	52.67%				52.66%	52.66%			
SEU	44.10%	44.10%				44.13%	44.13%			
CORP	3.23%	3.23%				3.21%	3.21%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Cost Center Allocation Percentage Drivers/Methodology:

Cost Center Allocation Percentage for 2021

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2022

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2023

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2024

Allocations are based on a weighted average of all cost centers within the workpaper.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: B. Infrastructure
 Category-Sub: 1. Infrastructure
 Cost Center: 2200-0619.000 - Shared Operational Infrastructure

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	3,244	3,244	3,244	217	364	387	3,461	3,608	3,631
Non-Labor	Base YR Rec	3,652	3,652	3,652	-1,826	-1,869	-1,991	1,826	1,783	1,661
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		6,896	6,896	6,896	-1,609	-1,505	-1,604	5,287	5,391	5,292
FTE	Base YR Rec	25.2	25.2	25.2	1.8	3.0	3.2	27.0	28.2	28.4

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	217	-1,826	0	-1,609	1.8	1-Sided Adj
Explanation:	Incremental FTEs. Less Cloud Office PAS/IAAS, telecom equipment, software/hardware maintenance.					
2022 Total	217	-1,826	0	-1,609	1.8	
2023	364	-1,869	0	-1,505	3.0	1-Sided Adj
Explanation:	Incremental FTEs. Less Cloud Office PAS/IAAS, telecom equipment, software/hardware maintenance.					
2023 Total	364	-1,869	0	-1,505	3.0	
2024	387	-1,991	0	-1,604	3.2	1-Sided Adj
Explanation:	RAMP Incremental FTEs. Less Cloud Office PAS/IAAS, telecom equipment, software/hardware maintenance.					
2024 Total	387	-1,991	0	-1,604	3.2	

Note: Totals may include rounding differences.

SCG/INFORMATION TECHNOLOGY/Exh No:SCG-21-WP-R-2E/Witness: T. Ballard

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: B. Infrastructure
Category-Sub: 1. Infrastructure
Cost Center: 2200-0619.000 - Shared Operational Infrastructure

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	5,021	4,611	2,433	2,593	2,758
Non-Labor	1,073	932	806	893	1,069
NSE	0	0	0	0	0
Total	6,093	5,543	3,239	3,486	3,827
FTE	45.2	39.4	20.2	20.9	21.4
Adjustments (Nominal \$) **					
Labor	-214	-5	-17	-13	-1
Non-Labor	287	-2	-5	-40	2,583
NSE	0	0	0	0	0
Total	73	-7	-21	-53	2,583
FTE	-2.3	-0.2	-0.2	-0.3	-0.2
Recorded-Adjusted (Nominal \$)					
Labor	4,807	4,606	2,416	2,580	2,757
Non-Labor	1,360	930	802	853	3,652
NSE	0	0	0	0	0
Total	6,166	5,536	3,218	3,433	6,410
FTE	42.9	39.2	20.0	20.6	21.2
Vacation & Sick (Nominal \$)					
Labor	815	793	458	455	487
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	815	793	458	455	487
FTE	7.7	7.1	4.0	4.0	4.0
Escalation to 2021\$					
Labor	598	441	164	129	0
Non-Labor	145	76	46	36	0
NSE	0	0	0	0	0
Total	743	517	210	166	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	6,220	5,839	3,038	3,163	3,244
Non-Labor	1,504	1,006	847	889	3,652
NSE	0	0	0	0	0
Total	7,724	6,845	3,886	4,053	6,896
FTE	50.6	46.3	24.0	24.6	25.2

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: B. Infrastructure
Category-Sub: 1. Infrastructure
Cost Center: 2200-0619.000 - Shared Operational Infrastructure

Summary of Adjustments to Recorded:

		In Nominal \$ (000) Incurred Costs				
Years		2017	2018	2019	2020	2021
Labor		-214	-5	-17	-13	-0.765
Non-Labor		287	-2	-5	-40	2,583
NSE		0	0	0	0	0
	Total	73	-7	-21	-53	2,583
FTE		-2.3	-0.2	-0.2	-0.3	-0.2

Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adj Type
2017	-6	0	0	-0.1	1-Sided Adj
Explanation:	Incremental costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2017	-2,221	809	0	22.2	1-Sided Adj
Explanation:	To tie to Q3 2021 Outlook.				
2017	2,013	-522	0	20.1	1-Sided Adj
Explanation:	To tie				
2017	0	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2017 Total	-214	287	0	-2.3	
2018	-5	-2	0	-0.1	1-Sided Adj
Explanation:	Incremental costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2018	0	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2018 Total	-5	-2	0	-0.2	
2019	-17	-5	0	-0.1	1-Sided Adj
Explanation:	Incremental costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2019	0	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: B. Infrastructure
 Category-Sub: 1. Infrastructure
 Cost Center: 2200-0619.000 - Shared Operational Infrastructure

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>
2019 Total	-17	-5	0	-0.2	
2020	0	-13	0	-0.1	1-Sided Adj
Explanation:	Incremental costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	-13	-27	0	-0.1	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020	0	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2020 Total	-13	-40	0	-0.3	
2021	0	2,596	0	0.0	CCTR Transf From 2200-0850.000
Explanation:	Transfer to 2200-0619.000 workpaper.				
2021	-1	-13	0	-0.1	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021	0	0	0	-0.1	1-Sided Adj
Explanation:	Exclude labor expenses associated with lobbying activities (FERC 426.4). This adjustment is in addition to other costs that have already been excluded based other specific accounting attributes.				
2021 Total	-1	2,583	0	-0.2	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: B. Infrastructure
 Category-Sub: 1. Infrastructure
 Cost Center: 2200-0619.000 - Shared Operational Infrastructure

RAMP Item # 1

RAMP Activity

RAMP Chapter: SCG-CFF-4 Foundational Technology Systems
 RAMP Line Item ID: CFF 1 - CFF 8
 RAMP Line Item Name: All Activities
 Tranche(/s): Tranche1: Overall

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Cost (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
					Low	High
Tranche 1 Cost Estimate	2,321	2,642	2,761	2,789	1,655	2,115

Cost Estimate Changes from RAMP:
 Forecast is outside of the RAMP range due to the forecast update.

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2024 RAMP Range Activities	
					Low	High
Tranche 1 N/A	0.00	0.00	0.00	0.00	0.00	0.00

Work Unit Changes from RAMP:
 N/A

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

RSE Changes from RAMP:
 N/A

Supplemental Workpapers for Workpaper 2200-0619.000

SCG-21

Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
 Witness: Tia L. Ballard
 Workpaper: 2200-0619

2021											
Workpaper	Cost Center	2021 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-0619.000	2200-0619	\$ -	0%	0%	0%		-	-	-		Network Sites
	2200-2372	\$ 315,815	50%	50%	0%		157,908	157,908	-		P/Y Dept. Activity Study
	2200-2406	\$ 132,661	47%	52%	1%		61,807	69,514	1,340		Allocations
	2200-2447	\$ 213,307	43%	53%	4%		91,914	113,479	7,914		Employee Matrix
	2200-2455	\$ -	0%	0%	0%		-	-	-		Allocations
	2200-2463	\$ 1,481,432	43%	53%	4%		638,349	788,122	54,961		Employee Matrix
	2200-2465	\$ 170,462	50%	49%	1%		85,896	83,254	1,313		Network Sites
	2200-2467	\$ 865,402	43%	53%	4%		372,902	460,394	32,106		Employee Matrix
	2200-2468	\$ 103,415	43%	53%	4%		44,562	55,017	3,837		Employee Matrix
	2200-2491	\$ 154,025	43%	53%	4%		66,369	81,941	5,714		Employee Matrix
	2200-2565	\$ 390,577	43%	53%	4%		168,300	207,787	14,490		Employee Matrix
	2200-0850	\$ 2,582,685	43%	53%	4%		1,112,879	1,373,988	95,818		Employee Matrix
Grand Total		6,409,781					2,800,884	3,391,404	217,493	-	

43.70%	52.91%	3.39%	0.00%	2021 Weighted Average of 2200-0619.000
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2022											
Workpaper	Cost Center	2022 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-0619.000	2200-0619	\$ 53,196	50%	49%	1%		26,805.54	25,981	410		Network Sites
	2200-2372	\$ 275,504	50%	50%	0%		137,751.89	137,752	-		P/Y Dept. Activity Study
	2200-2406	\$ 113,989	47%	52%	1%		53,107.28	59,730	1,151		Allocations
	2200-2447	\$ 203,743	43%	53%	4%		87,792.75	108,391	7,559		Employee Matrix
	2200-2455	\$ -	0%	0%	0%		-	-	-		Allocations
	2200-2463	\$ 1,414,229	43%	53%	4%		609,391.42	752,370	52,468		Employee Matrix
	2200-2465	\$ 194,596	50%	49%	1%		98,056.77	95,041	1,498		Network Sites
	2200-2467	\$ 871,728	43%	53%	4%		375,627.42	463,759	32,341		Employee Matrix
	2200-2468	\$ -	0%	0%	0%		-	-	-		Employee Matrix

SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-0619

2200-2491	\$	116,002	43%	53%	4%	49,985.19	61,713	4,304	Employee Matrix
2200-2565	\$	186,068	43%	53%	4%	80,177	98,988	6,903	Employee Matrix
2200-0850	\$	1,372,381	43%	53%	4%	591,359	730,107	50,915	Employee Matrix

Grand Total		4,801,435				2,110,054	2,533,832	157,549	-
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43.95%	52.77%	3.28%	0.00%	2022 Weighted Average of 2200-0619.000
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2023											
Workpaper	Cost Center	2023 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-0619.000	2200-0619	\$ 157,038	50%	49%	1%		79,132	76,698	1,209		Network Sites
	2200-2372	\$ 292,453	50%	50%	0%		146,227	146,227	-		P/Y Dept. Activity Study
	2200-2406	\$ 95,131	47%	52%	1%		44,322	49,849	961		Allocations
	2200-2447	\$ 207,626	43%	53%	4%		89,466	110,457	7,703		Employee Matrix
	2200-2455	\$ -	0%	0%	0%		-	-	-		Allocations
	2200-2463	\$ 1,414,229	43%	53%	4%		609,391	752,370	52,468		Employee Matrix
	2200-2465	\$ 202,375	50%	49%	1%		101,977	98,840	1,558		Network Sites
	2200-2467	\$ 884,724	43%	53%	4%		381,227	470,673	32,823		Employee Matrix
	2200-2468	\$ -	0%	0%	0%		-	-	-		Employee Matrix
	2200-2491	\$ 118,078	43%	53%	4%		50,880	62,818	4,381		Employee Matrix
	2200-2565	\$ 186,068	43%	53%	4%		80,177	98,988	6,903		Employee Matrix
	2200-0850	\$ 1,347,272	43%	53%	4%		580,539	716,748	49,984		Employee Matrix

Grand Total		4,904,995					2,163,338	2,583,667	157,990	-
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44.10%	52.67%	3.22%	0.00%	2023 Weighted Average of 2200-0619.000
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SCG-21

Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
 Witness: Tia L. Ballard
 Workpaper: 2200-0619

		2024									
Workpaper	Cost Center	2024 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-0619.000	2200-0619	\$ 157,038	50%	49%	1%		79,132	76,698	1,209		Network Sites
	2200-2372	\$ 292,453	50%	50%	0%		146,227	146,227	-		P/Y Dept. Activity Study
	2200-2406	\$ 95,131	47%	52%	1%		44,322	49,849	961		Allocations
	2200-2447	\$ 207,626	43%	53%	4%		89,466	110,457	7,703		Employee Matrix
	2200-2455	\$ -	0%	0%	0%		-	-	-		Allocations
	2200-2463	\$ 1,436,978	43%	53%	4%		619,194	764,472	53,312		Employee Matrix
	2200-2465	\$ 202,375	50%	49%	1%		101,977	98,840	1,558		Network Sites
	2200-2467	\$ 859,181	43%	53%	4%		370,221	457,084	31,876		Employee Matrix
	2200-2468	\$ -	0%	0%	0%		-	-	-		Employee Matrix
	2200-2491	\$ 118,078	43%	53%	4%		50,880	62,818	4,381		Employee Matrix
	2200-2565	\$ 186,068	43%	53%	4%		80,177	98,988	6,903		Employee Matrix
	2200-0850	\$ 1,251,246	43%	53%	4%		539,162	665,663	46,421		Employee Matrix
Grand Total		4,806,175					2,120,756	2,531,095	154,324	-	

44.13%	52.66%	3.21%	0.00%	2024 Weighted Average of 2200-0619.000
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Beginning of Workpaper
2200-2453.000 - Shared Infrastructure

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: B. Infrastructure
Category-Sub: 1. Infrastructure
Cost Center: 2200-2453.000 - Shared Infrastructure

Activity Description:

This activity includes shared Information Technology (IT) infrastructure costs that represent labor and non-labor for technology systems where costs are shared between multiple business units and support all other company-specific activities. The types of systems supported in this area are relevant to end user computing (EUC) engineering, shared contracts for contract and maintenance renewals, conference and collaboration.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		562	278	412	377	258	205	205	205	
Non-Labor		76	1,830	97	220	2,114	451	450	450	
NSE		0	0	0	0	0	0	0	0	
Total		638	2,108	509	596	2,372	656	655	655	
FTE		4.9	2.2	3.2	2.9	2.0	1.6	1.6	1.6	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: B. Infrastructure
Category-Sub: 1. Infrastructure
Cost Center: 2200-2453.000 - Shared Infrastructure

Cost Center Allocations (Incurred Costs):

	2021 Adjusted-Recorded					2022 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	390	0	390	0.0	0	390	0	390	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	258	1,724	0	1,982	2.0	205	61	0	266	1.6
Total Incurred	258	2,114	0	2,372	2.0	205	451	0	656	1.6
% Allocation										
Retained	53.20%	53.20%				53.20%	53.20%			
SEU	43.09%	43.09%				43.09%	43.09%			
CORP	3.71%	3.71%				3.71%	3.71%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2023 Adjusted-Forecast					2024 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	390	0	390	0.0	0	390	0	390	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	205	60	0	265	1.6	205	60	0	265	1.6
Total Incurred	205	450	0	655	1.6	205	450	0	655	1.6
% Allocation										
Retained	53.20%	53.20%				53.20%	53.20%			
SEU	43.09%	43.09%				43.09%	43.09%			
CORP	3.71%	3.71%				3.71%	3.71%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Cost Center Allocation Percentage Drivers/Methodology:

Cost Center Allocation Percentage for 2021

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2022

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2023

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2024

Allocations are based on a weighted average of all cost centers within the workpaper.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: B. Infrastructure
 Category-Sub: 1. Infrastructure
 Cost Center: 2200-2453.000 - Shared Infrastructure

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	258	258	258	-53	-53	-53	205	205	205
Non-Labor	Base YR Rec	2,114	2,114	2,114	-1,663	-1,664	-1,664	451	450	450
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		2,372	2,372	2,372	-1,716	-1,717	-1,717	656	655	655
FTE	Base YR Rec	2.0	2.0	2.0	-0.4	-0.4	-0.4	1.6	1.6	1.6

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	-53	-1,663	0	-1,716	-0.4	1-Sided Adj
Explanation:	Projects managed in a different department/workpaper due to reorg					
2022 Total	-53	-1,663	0	-1,716	-0.4	
2023	-53	-1,664	0	-1,717	-0.4	1-Sided Adj
Explanation:	Projects managed in a different department/workpaper due to reorg					
2023 Total	-53	-1,664	0	-1,717	-0.4	
2024	-53	-1,664	0	-1,717	-0.4	1-Sided Adj
Explanation:	Projects managed in a different department/workpaper due to reorg					
2024 Total	-53	-1,664	0	-1,717	-0.4	

Note: Totals may include rounding differences.

SCG/INFORMATION TECHNOLOGY/Exh No:SCG-21-WP-R-2E/Witness: T. Ballard

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: B. Infrastructure
Category-Sub: 1. Infrastructure
Cost Center: 2200-2453.000 - Shared Infrastructure

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	435	219	327	307	219
Non-Labor	68	1,692	92	211	2,114
NSE	0	0	0	0	0
Total	503	1,911	420	519	2,334
FTE	4.2	1.9	2.7	2.4	1.7
Adjustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	-1	-1
NSE	0	0	0	0	0
Total	0	0	0	-1	-1
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Nominal \$)					
Labor	435	219	327	307	219
Non-Labor	68	1,692	92	211	2,114
NSE	0	0	0	0	0
Total	503	1,911	420	518	2,333
FTE	4.2	1.9	2.7	2.4	1.7
Vacation & Sick (Nominal \$)					
Labor	74	38	62	54	39
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	74	38	62	54	39
FTE	0.7	0.3	0.5	0.5	0.3
Escalation to 2021\$					
Labor	54	21	22	15	0
Non-Labor	7	138	5	9	0
NSE	0	0	0	0	0
Total	61	159	27	24	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	562	278	412	377	258
Non-Labor	76	1,830	97	220	2,114
NSE	0	0	0	0	0
Total	638	2,108	509	596	2,372
FTE	4.9	2.2	3.2	2.9	2.0

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: B. Infrastructure
 Category-Sub: 1. Infrastructure
 Cost Center: 2200-2453.000 - Shared Infrastructure

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2017	2018	2019	2020	2021
Labor	0	0	0	0	0
Non-Labor	0	0	0	-0.862	-0.600
NSE	0	0	0	0	0
Total	0	0	0	-0.862	-0.600
FTE	0.0	0.0	0.0	0.0	0.0

Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adj Type
2017 Total	0	0	0	0.0	
2018 Total	0	0	0	0.0	
2019 Total	0	0	0	0.0	
2020	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020 Total	0	-1	0	0.0	
2021	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021 Total	0	-1	0	0.0	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: B. Infrastructure
 Category-Sub: 1. Infrastructure
 Cost Center: 2200-2453.000 - Shared Infrastructure

RAMP Item # 1

RAMP Activity

RAMP Chapter: SCG-CFF-4 Foundational Technology Systems

RAMP Line Item ID: CFF 1 - CFF 8

RAMP Line Item Name: All Activities

Tranche(/s): Tranche1: Overall

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Cost (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
					Low	High
Tranche 1 Cost Estimate	145	152	151	151	106	135

Cost Estimate Changes from RAMP:

Forecast is outside of the RAMP range due to the forecast update.

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2024 RAMP Range Activities	
					Low	High
Tranche 1 N/A	0.00	0.00	0.00	0.00	0.00	0.00

Work Unit Changes from RAMP:

N/A

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

RSE Changes from RAMP:

N/A

Supplemental Workpapers for Workpaper 2200-2453.000

SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-2453

2021											
Workpaper	Cost Center	2021 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2453.000	2200-2453	\$ 104,367	43%	53%	4%		44,972	55,523	3,872		Employee Matrix
	2200-0946	\$ 1,806,811	43%	53%	4%		778,555	961,224	67,033		Employee Matrix
	2200-2458	\$ 206,138	43%	53%	4%		88,825	109,665	7,648		Employee Matrix
Grand Total		2,117,316					912,352	1,126,412	78,552	-	

43.09%	53.20%	3.71%	0.00%	2021 Weighted Average of 2200-2453.000
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2022											
Workpaper	Cost Center	2022 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2453.000	2200-2453	\$ 85,884	43%	53%	4%		37,007.26	45,690	3,186		Employee Matrix
	2200-0946	\$ 393,238	43%	53%	4%		169,446.35	209,203	14,589		Employee Matrix
	2200-2458	\$ 138,197	43%	53%	4%		59,549.22	73,521	5,127		Employee Matrix
Grand Total		617,319					266,003	328,414	22,903	-	

43.09%	53.20%	3.71%	0.00%	2022 Weighted Average of 2200-2453.000
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2023											
Workpaper	Cost Center	2023 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2453.000	2200-2453	\$ 85,884	43%	53%	4%		37,007	45,690	3,186		Employee Matrix
	2200-0946	\$ 393,238	43%	53%	4%		169,446	209,203	14,589		Employee Matrix
	2200-2458	\$ 136,529	43%	53%	4%		58,830	72,633	5,065		Employee Matrix

SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-2453

Grand Total	615,651	265,284	327,526	22,841	-
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43.09%	53.20%	3.71%	0.00%	2023 Weighted Average of 2200- 2453.000
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2024											
Workpaper	Cost Center	2024 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-2453.000	2200-2453	\$ 85,884	43%	53%	4%		37,007	45,690	3,186		Employee Matrix
	2200-0946	\$ 393,238	43%	53%	4%		169,446	209,203	14,589		Employee Matrix
	2200-2458	\$ 136,529	43%	53%	4%		58,830	72,633	5,065		Employee Matrix

Grand Total	615,651	265,284	327,526	22,841	-
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43.09%	53.20%	3.71%	0.00%	2024 Weighted Average of 2200- 2453.000
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Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: C. Support
Cost Center: VARIOUS

Summary for Category: C. Support

	In 2021\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2021	2022	2023	2024
Labor	1,148	1,120	1,152	1,329
Non-Labor	2,582	1,288	1,148	1,120
NSE	0	0	0	0
Total	3,730	2,408	2,300	2,449
FTE	12.0	11.8	12.1	13.5

Cost Centers belonging to this Category:

2200-0346.000 Shared Support

Labor	714	631	663	840
Non-Labor	3	5	5	5
NSE	0	0	0	0
Total	717	636	668	845
FTE	9.5	8.8	9.1	10.5

2200-1220.000 Shared Operational Support

Labor	434	489	489	489
Non-Labor	2,579	1,283	1,143	1,115
NSE	0	0	0	0
Total	3,013	1,772	1,632	1,604
FTE	2.5	3.0	3.0	3.0

Note: Totals may include rounding differences.

Beginning of Workpaper
2200-0346.000 - Shared Support

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Cost Center: 2200-0346.000 - Shared Support

Activity Description:

This activity includes shared Information Technology (IT) support costs that represent labor and non-labor for technology systems where costs are shared between multiple business units and support all other company-specific activities. This area includes the IT Interns and Associates program and IT Organizational Change Management and Communications organizations.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		664	650	693	745	714	631	663	840	
Non-Labor		26	24	30	5	3	5	5	5	
NSE		0	0	0	0	0	0	0	0	
Total		690	674	722	750	717	636	668	845	
FTE		9.5	9.0	9.7	10.2	9.5	8.8	9.1	10.5	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: C. Support
Category-Sub: 1. Support
Cost Center: 2200-0346.000 - Shared Support

Cost Center Allocations (Incurred Costs):

	2021 Adjusted-Recorded					2022 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.0	0	0	0	0	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	714	3	0	717	9.5	631	5	0	636	8.8
Total Incurred	714	3	0	717	9.5	631	5	0	636	8.8
% Allocation										
Retained	53.20%	53.20%				53.20%	53.20%			
SEU	43.09%	43.09%				43.09%	43.09%			
CORP	3.71%	3.71%				3.71%	3.71%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2023 Adjusted-Forecast					2024 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.0	0	0	0	0	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	663	5	0	668	9.1	840	5	0	845	10.5
Total Incurred	663	5	0	668	9.1	840	5	0	845	10.5
% Allocation										
Retained	53.20%	53.20%				52.47%	52.47%			
SEU	43.09%	43.09%				43.09%	43.09%			
CORP	3.71%	3.71%				4.44%	4.44%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Cost Center Allocation Percentage Drivers/Methodology:

Cost Center Allocation Percentage for 2021

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2022

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2023

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2024

Allocations are based on a weighted average of all cost centers within the workpaper.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Cost Center: 2200-0346.000 - Shared Support

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	714	714	714	-83	-51	126	631	663	840
Non-Labor	Base YR Rec	3	3	3	2	2	2	5	5	5
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		717	717	717	-81	-49	128	636	668	845
FTE	Base YR Rec	9.5	9.5	9.5	-0.7	-0.4	1.0	8.8	9.1	10.5

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	-83	2	0	-81	-0.7	1-Sided Adj
Explanation: FTEs for Associates and IT Organizational Change Management & Communications						
2022 Total -83 2 0 -81 -0.7						
2023	-51	2	0	-49	-0.4	1-Sided Adj
Explanation: Less FTE for associates						
2023 Total -51 2 0 -49 -0.4						
2024	126	2	0	128	1.0	1-Sided Adj
Explanation: FTE for associates and OCM & Communications						
2024 Total 126 2 0 128 1.0						

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: C. Support
Category-Sub: 1. Support
Cost Center: 2200-0346.000 - Shared Support

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	513	516	551	616	607
Non-Labor	23	28	28	8	6
NSE	0	0	0	0	0
Total	536	544	579	624	613
FTE	8.0	7.7	8.1	8.6	8.0
Adjustments (Nominal \$) **					
Labor	0	-3	0	-8	0
Non-Labor	0	-6	0	-4	-3
NSE	0	0	0	0	0
Total	0	-9	0	-12	-3
FTE	0.0	-0.1	0.0	-0.1	0.0
Recorded-Adjusted (Nominal \$)					
Labor	513	513	551	608	607
Non-Labor	23	22	28	4	3
NSE	0	0	0	0	0
Total	536	535	579	612	610
FTE	8.1	7.6	8.1	8.5	8.0
Vacation & Sick (Nominal \$)					
Labor	87	88	104	107	107
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	87	88	104	107	107
FTE	1.4	1.4	1.6	1.7	1.5
Escalation to 2021\$					
Labor	64	49	37	30	0
Non-Labor	2	2	2	0	0
NSE	0	0	0	0	0
Total	66	51	39	31	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	664	650	693	745	714
Non-Labor	26	24	30	5	3
NSE	0	0	0	0	0
Total	690	674	722	750	717
FTE	9.5	9.0	9.7	10.2	9.5

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: C. Support
Category-Sub: 1. Support
Cost Center: 2200-0346.000 - Shared Support

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2017	2018	2019	2020	2021
Labor	0	-3	0	-8	0
Non-Labor	0	-6	0	-4	-3
NSE	0	0	0	0	0
Total	0	-9	0	-12	-3
FTE	0.0	-0.1	0.0	-0.1	0.0

Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adj Type
2017 Total	0	0	0	0.0	
2018	-3	-6	0	-0.1	1-Sided Adj
Explanation:	Incremental costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2018 Total	-3	-6	0	-0.1	
2019 Total	0	0	0	0.0	
2020	-8	-4	0	-0.1	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020 Total	-8	-4	0	-0.1	
2021	0	-3	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021 Total	0	-3	0	0.0	

Note: Totals may include rounding differences.

Supplemental Workpapers for Workpaper 2200-0346.000

SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-0346

2021											
Workpaper	Cost Center	2021 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-0346.000	2200-0346	\$ 116,237	43%	53%	4%		50,087	61,838	4,312.41		Employee Matrix
	2200-2496	\$ 493,744	43%	53%	4%		212,754	262,672	18,317.92		Employee Matrix
Grand Total		609,982					262,841	324,510	22,630	-	

43.09%	53.20%	3.71%	0.00%	2021 Weighted Average of 2200-0346.000
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2022											
Workpaper	Cost Center	2022 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-0346.000	2200-0346	\$ 161,507	43%	53%	4%		69,593.24	85,922	5,992		Employee Matrix
	2200-2496	\$ 368,221	43%	53%	5%		158,666.50	195,894	18,318		Employee Matrix
Grand Total		529,728					228,260	281,815	24,310	-	

43.09%	53.20%	4.59%	0.00%	2022 Weighted Average of 2200-0346.000
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2023											
Workpaper	Cost Center	2023 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-0346.000	2200-0346	\$ 161,507	43%	53%	4%		69,593	85,922	5,992		Employee Matrix
	2200-2496	\$ 399,991	43%	53%	5%		172,356	212,795	18,318		Employee Matrix
Grand Total		561,497					241,949	298,717	24,310	-	

43.09%	53.20%	4.33%	0.00%	2023 Weighted Average of 2200-0346.000
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SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-0346

		2024									
Workpaper	Cost Center	2024 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-0346.000	2200-0346	\$ 389,192	43%	53%	4%		167,703	207,050	14,439		Employee Matrix
	2200-2496	\$ 348,745	43%	53%	5%		150,274	185,532	18,318		Employee Matrix
Grand Total		737,937					317,977	392,582	32,757	-	
							43.09%	53.20%	4.44%	0.00%	2024 Weighted Average of 2200-0346.000

Beginning of Workpaper
2200-1220.000 - Shared Operational Support

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Cost Center: 2200-1220.000 - Shared Operational Support

Activity Description:

This activity includes shared Information Technology (IT) support costs that represent labor and non-labor for technology systems where costs are shared between multiple business units and support the objectives of operating and maintaining the company infrastructure systems safely and reliably. The types of systems supported in this area include financial management, architect support, and shared contracts.

Forecast Explanations:

Labor - Base YR Rec

Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another. Therefore, base-year methodology is most appropriate because the base year expenditures closely represent the future state of IT forecasts.

Non-Labor - Base YR Rec

Historical costs, such as contractor services and cost of software and/or hardware, have fluctuated as a result of shifting cost drivers in the IT department. Therefore, base-year methodology is most appropriate because the base-year expenditures closely represent the future state of IT forecasts.

NSE - Base YR Rec

N/A

Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2017	2018	2019	2020	2021	2022	2023	2024	
Labor		757	495	448	469	434	489	489	489	
Non-Labor		18	-12	28	558	2,579	1,283	1,143	1,115	
NSE		0	0	0	0	0	0	0	0	
Total		775	483	476	1,027	3,013	1,772	1,632	1,604	
FTE		5.6	3.3	2.6	3.3	2.5	3.0	3.0	3.0	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Cost Center: 2200-1220.000 - Shared Operational Support

Cost Center Allocations (Incurred Costs):

	2021 Adjusted-Recorded					2022 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	1,464	0	1,464	0.0	0	1,464	0	1,464	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	434	1,115	0	1,549	2.5	489	-181	0	308	3.0
Total Incurred	434	2,579	0	3,013	2.5	489	1,283	0	1,772	3.0
% Allocation										
Retained	51.02%	51.02%				52.61%	52.61%			
SEU	45.07%	45.07%				43.74%	43.74%			
CORP	3.91%	3.91%				3.65%	3.65%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2023 Adjusted-Forecast					2024 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	1,464	0	1,464	0.0	0	1,464	0	1,464	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	489	-321	0	168	3.0	489	-349	0	140	3.0
Total Incurred	489	1,143	0	1,632	3.0	489	1,115	0	1,604	3.0
% Allocation										
Retained	52.55%	52.55%				52.54%	52.54%			
SEU	43.80%	43.80%				43.81%	43.81%			
CORP	3.65%	3.65%				3.65%	3.65%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Cost Center Allocation Percentage Drivers/Methodology:

Cost Center Allocation Percentage for 2021

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2022

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2023

Allocations are based on a weighted average of all cost centers within the workpaper.

Cost Center Allocation Percentage for 2024

Allocations are based on a weighted average of all cost centers within the workpaper.

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Cost Center: 2200-1220.000 - Shared Operational Support

Summary of Adjustments to Forecast:

In 2021 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	434	434	434	55	55	55	489	489	489
Non-Labor	Base YR Rec	2,579	2,579	2,579	-1,296	-1,436	-1,464	1,283	1,143	1,115
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		3,013	3,013	3,013	-1,241	-1,381	-1,409	1,772	1,632	1,604
FTE	Base YR Rec	2.5	2.5	2.5	0.5	0.5	0.5	3.0	3.0	3.0

Forecast Adjustment Details:

Year	Labor	NLbr	NSE	Total	FTE	Adj Type
2022	55	-1,296	0	-1,241	0.5	1-Sided Adj
Explanation:	Incremental FTE to Architectural Runway. Non labor decrease due to two SAAS License Subscriptions amortized in 2021 transferred to workpaper 2200-2272.000 in 2022.					
2022 Total	55	-1,296	0	-1,241	0.5	
2023	55	-1,436	0	-1,381	0.5	1-Sided Adj
Explanation:	Incremental FTE to Architectural Runway. Non labor decrease due to two SAAS License Subscriptions amortized in 2021 transferred to workpaper 2200-2272.000 in 2022.					
2023 Total	55	-1,436	0	-1,381	0.5	
2024	55	-1,464	0	-1,409	0.5	1-Sided Adj
Explanation:	Incremental FTE to Architectural Runway. Non labor decrease due to two SAAS License Subscriptions amortized in 2021 transferred to workpaper 2200-2272.000 in 2022.					
2024 Total	55	-1,464	0	-1,409	0.5	

Note: Totals may include rounding differences.

SCG/INFORMATION TECHNOLOGY/Exh No:SCG-21-WP-R-2E/Witness: T. Ballard

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: C. Support
Category-Sub: 1. Support
Cost Center: 2200-1220.000 - Shared Operational Support

Determination of Adjusted-Recorded (Incurred Costs):

	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	585	390	357	382	369
Non-Labor	17	-11	26	537	2,580
NSE	0	0	0	0	0
Total	601	379	383	919	2,949
FTE	4.8	2.8	2.2	2.8	2.1
Adjustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	-2	-1
NSE	0	0	0	0	0
Total	0	0	0	-2	-1
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Nominal \$)					
Labor	585	390	357	382	369
Non-Labor	17	-11	26	535	2,579
NSE	0	0	0	0	0
Total	601	379	383	917	2,948
FTE	4.7	2.8	2.2	2.8	2.1
Vacation & Sick (Nominal \$)					
Labor	99	67	68	67	65
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	99	67	68	67	65
FTE	0.9	0.5	0.4	0.5	0.4
Escalation to 2021\$					
Labor	73	37	24	19	0
Non-Labor	2	-1	1	23	0
NSE	0	0	0	0	0
Total	75	36	26	42	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant 2021\$)					
Labor	757	495	448	469	434
Non-Labor	18	-12	28	558	2,579
NSE	0	0	0	0	0
Total	775	483	476	1,027	3,013
FTE	5.6	3.3	2.6	3.3	2.5

* After company-wide exclusions of Non-GRC costs

** Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard
Category: C. Support
Category-Sub: 1. Support
Cost Center: 2200-1220.000 - Shared Operational Support

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2017	2018	2019	2020	2021
Labor	0	0	0	0	0
Non-Labor	0	-0.352	0	-2	-1
NSE	0	0	0	0	0
Total	0	-0.352	0	-2	-1
FTE	0.0	0.0	0.0	0.0	0.0

Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adj Type
2017 Total	0	0	0	0.0	
2018	0	0	0	0.0	1-Sided Adj
Explanation:	Incremental costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2018 Total	0	0	0	0.0	
2019 Total	0	0	0	0.0	
2020	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2020 Total	0	-2	0	0.0	
2021	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).				
2021 Total	0	-1	0	0.0	

Note: Totals may include rounding differences.

Southern California Gas Company
2024 GRC - REVISED SECOND ERRATA
Shared Services Workpapers

Area: INFORMATION TECHNOLOGY
 Witness: Tia L. Ballard
 Category: C. Support
 Category-Sub: 1. Support
 Cost Center: 2200-1220.000 - Shared Operational Support

RAMP Item # 1

RAMP Activity

RAMP Chapter: SCG-CFF-4 Foundational Technology Systems

RAMP Line Item ID: CFF 1 - CFF 8

RAMP Line Item Name: All Activities

Tranche(/s): Tranche1: Overall

GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Cost (2021 \$)	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
					Low	High
Tranche 1 Cost Estimate	564	993	853	825	467	597

Cost Estimate Changes from RAMP:

Forecast is outside of the RAMP range due to the forecast update.

GRC Work Unit/Activity Level Estimates

Unit of Measure	2021 Historical Embedded Activities	2022 Forecast Activities	2023 Forecast Activities	2024 Forecast Activities	2024 RAMP Range Activities	
					Low	High
Tranche 1 N/A	0.00	0.00	0.00	0.00	0.00	0.00

Work Unit Changes from RAMP:

N/A

Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

RSE Changes from RAMP:

N/A

Supplemental Workpapers for Workpaper 2200-1220.000

SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-1220

2021											
Workpaper	Cost Center	2021 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-1220.000	2200-1220	\$ 2,006,623	46%	50%	4%		923,047	1,003,312	80,265		Utility Users Study
	2200-2313	\$ -	0%	0%	0%		-	-	-		Allocations
	2200-2493	\$ 377,563	43%	53%	4%		162,692	200,863	14,008		Employee Matrix
	2200-2510	\$ 563,599	43%	53%	4%		242,855	299,835	20,910		Employee Matrix
Grand Total		2,947,785					1,328,593	1,504,010	115,182	-	

45.07%	51.02%	3.91%	0.00%	2021 Weighted Average of 2200-1220.000
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2022											
Workpaper	Cost Center	2022 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-1220.000	2200-1220	\$ 203,001	46%	50%	4%		93,380.46	101,501	8,120		Utility Users Study
	2200-2313	\$ 80,000	50%	49%	2%		39,664.00	38,904	1,432		Allocations
	2200-2493	\$ 430,950	43%	53%	4%		185,696.56	229,266	15,988		Employee Matrix
	2200-2510	\$ 992,671	43%	53%	4%		427,742.01	528,101	36,828		Employee Matrix
Grand Total		1,706,623					746,483	897,771	62,368	-	

43.74%	52.61%	3.65%	0.00%	2022 Weighted Average of 2200-1220.000
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2023											
Workpaper	Cost Center	2023 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-1220.000	2200-1220	\$ 203,001	46%	50%	4%		93,380	101,501	8,120		Utility Users Study
	2200-2313	\$ 80,000	50%	49%	2%		39,664	38,904	1,432		Allocations
	2200-2493	\$ 430,950	43%	53%	4%		185,697	229,266	15,988		Employee Matrix
	2200-2510	\$ 852,911	43%	53%	4%		367,519	453,749	31,643		Employee Matrix

SCG-21
Supplemental Workpaper for Shared Services Allocation Percentage

Area: Information Technology
Witness: Tia L. Ballard
Workpaper: 2200-1220

Grand Total	1,566,863	686,261	823,419	57,183	-
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43.80%	52.55%	3.65%	0.00%	2023 Weighted Average of 2200-1220.000
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2024											
Workpaper	Cost Center	2024 Forecast	SDGE %	SCG %	Corp %	Unreg %	SDGE \$	SCG \$	CORP \$	UNREG \$	Methodology
2200-1220.000	2200-1220	\$ 203,001	46%	50%	4%	93,380	101,501	8,120			Utility Users Study
	2200-2313	\$ 80,000	50%	49%	2%	39,664	38,904	1,432			Allocations
	2200-2493	\$ 430,950	43%	53%	4%	185,697	229,266	15,988			Employee Matrix
	2200-2510	\$ 824,959	43%	53%	4%	355,475	438,878	30,606			Employee Matrix
Grand Total		1,538,911				674,216	808,549	56,146	-		

43.81%	52.54%	3.65%	0.00%	2024 Weighted Average of 2200-1220.000
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Southern California Gas Company
2024 GRC - REVISED
Non-Shared Service Workpapers

Area: INFORMATION TECHNOLOGY
Witness: Tia L. Ballard

Appendix A: List of Non-Shared Cost Centers

Cost Center	Sub	Description
2200-0165	000	CS CONTINUOUS IMPROVEMENT
2200-0343	000	CS TECHNOLOGY - PACER
2200-0413	000	IE & CONTINUOUS IMPROVEMT
2200-0494	000	SCG APPS CONTRACTS COST CENTER
2200-0893	000	CONSTRUCTION PROJECTS & PORTFOLIO SYSTEM
2200-0911	000	MAXIMO SUPPORT
2200-0962	000	MAINFRAME SOFTWARE AND HARDWARE
2200-1177	000	HIGH PRESSURE, GIS APPS
2200-2303	000	CS ADVANCED METER SYSTEMS
2200-2316	000	SCG HCL CONTRACT SERVICE
2200-2317	000	FIELD FORCE CONSTRUCTION
2200-2322	000	ESS GOVERNANCE & SERVICE IMPROVEMENT
2200-2323	000	ESS IMPLEMENTATION SUPPORT
2200-2324	000	ESS MOBILE HARDWARE & APPLICATIONS TEAM
2200-2375	000	ESS MOBILE APPS
2200-2405	000	SCG APPS CUSTOMER SELF SERVICES
2200-2442	000	OPERATIONS RESEARCH
2200-2448	000	SYSTEM INTEGRATION & ARCHITECTURE
2200-2449	000	SCG APPS CUS INF SYS - SCG
2200-2450	000	SCG APPS SW FIELD SVCS - SCG
2200-2461	000	MANAGED SVC-VOICE EN
2200-2508	000	UTILITY OPS/FINCL CONTRACTS-SCG
2200-2511	000	SCG COMPUCOM CONTRACT SERVICE
2200-2543	000	CUST SVC CONT IMPRV
2200-2566	000	MAINFRAME CONTRACTS - SCG
2200-2582	000	OPERATIONS TECHNOLOGY
2200-2584	000	ESS CPD PROD SUPPORT
2200-2596	000	SCG IT QUALITY ASSURANCE