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-27-WP-R)

# REVISED WORKPAPERS TO PREPARED DIRECT TESTIMONY OF NEENA N. MASTER ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY

# BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

AUGUST 2022



# 2024 General Rate Case - REVISED INDEX OF WORKPAPERS

# **Exhibit SCG-27-WP-R - SAFETY MANAGEMENT SYSTEMS**

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# Overall Summary For Exhibit No. SCG-27-WP-R

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Description
Non-Shared Services
Shared Services
Total

In 2021 \$ (000) Incurred Costs										
Adjusted-Recorded	Adjusted-Recorded Adjusted-Forecast									
2021	2022	2023	2024							
13,661	16,610	19,785	21,521							
0	0	0	0							
13,661	16,610	19,785	21,521							

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

### **Summary of Non-Shared Services Workpapers:**

Description
A. SAFETY MANAGEMENT SYSTEMS
B. STRATEGY
C. Risk Management
D. CONTINUOUS IMPROVEMENT
E. SAFETY MANAGEMENT
F. EMERGENCY SERVICES
G. TECHNOLOGY & ANALYTICS
Total

In 2021 \$ (000) Incurred Costs									
Adjusted- Recorded	Adjusted-Forecast								
2021	2022	2023	2024						
963	2,348	2,348	2,348						
621	621	963	1,109						
3,851	4,181	4,319	4,687						
1,062	1,062	1,744	1,644						
3,818	4,022	4,927	6,524						
2,007	2,761	3,028	3,028						
1,339	1,615	2,456	2,181						
13,661	16,610	19,785	21,521						

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. SAFETY MANAGEMENT SYSTEMS

Workpaper: 2SM000.000

#### Summary for Category: A. SAFETY MANAGEMENT SYSTEMS

	In 2021\$ (000) Incurred Costs							
	Adjusted-Recorded		Adjusted-Forecast					
	2021	2022	2023	2024				
Labor	520	803	803	803				
Non-Labor	443	1,545	1,545	1,545				
NSE	0	0	0	0				
Total	963	2,348	2,348	2,348				
FTE	3.0	4.6	4.6	4.6				

#### **Workpapers belonging to this Category:**

#### 2SM000.000 SAFETY MANAGEMENT SYSTEMS

Labor	520	803	803	803
Non-Labor	443	1,545	1,545	1,545
NSE	0	0	0	0
Total	963	2,348	2,348	2,348
FTE	3.0	4.6	4.6	4.6

# Beginning of Workpaper 2SM000.000 - SAFETY MANAGEMENT SYSTEMS

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. SAFETY MANAGEMENT SYSTEMS
Category-Sub 1. SAFETY MANAGEMENT SYSTEMS

Workpaper: 2SM000.000 - SAFETY MANAGEMENT SYSTEMS

#### **Activity Description:**

The activities completed within this workgroup is to provide a greater focused concentration in the area of Safety. SMS introduced the role of Chief Safety Officer to provide executive level, safety leadership and strategic direction within SoCalGas. This officer is ultimately responsible and accountable for safety performance of SoCalGas. This includes establishing safety policy, developing, and implementing safety programs and procedures, integrating new/enhanced methods into SoCalGas' safety culture, and guiding short-term and long-term safety performance management.

Reporting to the CSO is the Senior Director who provides leadership and guidance to the entire Safety Management organization, which includes Safety Management, Pipeline Safety & Compliance, Technology & Analytics, Continuous Improvement, Strategy, and Emergency Management. These departments oversee all safety programs, policies, technologies, and initiatives, impacting all SoCalGas employees whether working in a remote, at-home environment or working in an operations capacity in the field.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

The forecast method developed for this cost category to labor expense is the base year method because this forecasting methodology serves to more accurately represent this workgroup given a greater focus in the area of Safety by adding support at the executive level. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### Non-Labor - Base YR Rec

The forecast method developed for this cost category to non-labor expense is the base year method because this forecasting methodology serves to more accurately represent this workgroup given a greater focus in the area of Safety by adding support at the executive level. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### **NSE - Base YR Rec**

NSE is not applicable to this workgroup.

#### Summary of Results:

		In 2021\$ (000) Incurred Costs									
		Adju	ısted-Recor	ded		Ad	justed-Fore	cast			
Years	2017	2018	2019	2020	2021	2022	2023	2024			
Labor	0	0	0	271	520	803	803	803			
Non-Labor	0	0	38	9	443	1,545	1,545	1,545			
NSE	0	0	0	0	0	0	0	0			
Total	0	0	38	280	963	2,348	2,348	2,348			
FTE	0.0	0.0	0.0	1.3	3.0	4.6	4.6	4.6			

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. SAFETY MANAGEMENT SYSTEMS
Category-Sub: 1. SAFETY MANAGEMENT SYSTEMS

Workpaper: 2SM000.000 - SAFETY MANAGEMENT SYSTEMS

#### **Summary of Adjustments to Forecast:**

	In 2021 \$(000) Incurred Costs										
Forecas	t Method	Bas	se Foreca	st	Forecast Adjustments			Adjusted-Forecast			
Years	s	2022	2022 2023 2024 2022 2023 2024			2022	2023	2024			
Labor	Base YR Rec	520	520	520	283	283	283	803	803	803	
Non-Labor	Base YR Rec	443	443	443	1,102	1,102	1,102	1,545	1,545	1,545	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	ıl	963	963	963	1,385	1,385	1,385	2,348	2,348	2,348	
FTE	Base YR Rec	3.0	3.0	3.0	1.6	1.6	1.6	4.6	4.6	4.6	

#### **Forecast Adjustment Details:**

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj Type	
2022	283	1,102	0	1,385	1.6	1-Sided Adj	

**Explanation:** 

RAMP (CFF6-1): RAMP Incremental; SCG-CFF-6 - Safety Management System – 1 – SMS Framework: In 2021, SoCalGas introduced the role of Chief Safety Officer (CSO). The SMS costs will

address the core duties of the CSO and include labor and non-labor for the CSO, Senior Director and two administrative assistants. SoCalGas intends to add 1.6 FTE positions at a cost of \$291K (\$283k Labor/\$8K Non-Labor) plus \$1,094k for other non-labor costs to support this function.

Calculation:

Labor: 0.6 FTE x \$339k = \$203k; 1.0 FTE x \$80k = \$80k

Non-labor cost: \$1,102k (Employee expenses: 1.6 FTE x \$5k = \$8k; \$620k for Safety Council fees

and \$474k for Other Safety Services)

Note: Labor & non-labor for CSO position is adjusted to reflect it starting during the 2021 Base Year.

2022 Total	283	1,102	0	1,385	1.6		
2023	283	1,102	0	1,385	1.6	1-Sided Adj	

**Explanation:** 

RAMP (CFF6-1): RAMP Incremental; SCG-CFF-6 - Safety Management System - 1 - SMS

Framework: In 2021, SoCalGas introduced the role of Chief Safety Officer (CSO). The SMS costs will address the core duties of the CSO and include labor and non-labor for the CSO, Senior Director and two administrative assistants. SoCalGas intends to add 1.6 FTE positions at a cost of \$291K (\$283k Labor/\$8K Non-Labor) plus \$1,094k for other non-labor costs to support this function.

Calculation:

Labor: 0.6 FTE x \$339k = \$203k; 1.0 FTE x \$80k = \$80k

Non-labor cost: \$1,102k (Employee expenses: 1.6 FTE x \$5k = \$8k; \$620k for Safety Council fees

and \$474k for Other Safety Services)

Note: Labor & non-labor for CSO position is adjusted to reflect it starting during the 2021 Base Year.

2023 Total	283	1,102	0	1,385	1.6	
2024	283	1,102	0	1,385	1.6	1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. SAFETY MANAGEMENT SYSTEMS
Category-Sub: 1. SAFETY MANAGEMENT SYSTEMS

Workpaper: 2SM000.000 - SAFETY MANAGEMENT SYSTEMS

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type
Explanation:	RAMP (CFF6-1): RAMF Framework: In 2021, So address the core duties two administrative assis Labor/\$8K Non-Labor) p Calculation: Labor: 0.6 FTE x \$339k Non-labor cost: \$1,102k and \$474k for Other Sa	oCalGas introduced from the CSO at tants. SoCaliblus \$1,094k from the second from the second from the control of the CSO at tants. SoCalibration from the control of the co	duced the role nd include late Gas intends to for other non-le FTE x \$80k = expenses: 1.6	e of Chief Safe por and non-lal p add 1.6 FTE abor costs to s = \$80k FTE x \$5k = \$	ty Officer (CSO) por for the CSO, positions at a co support this func 8k; \$620k for Sa	The SMS costs will Senior Director and ost of \$291K (\$283k tion.
2024 Total	283	1,102	0	1,385	1.6	

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. SAFETY MANAGEMENT SYSTEMS
Category-Sub: 1. SAFETY MANAGEMENT SYSTEMS

Workpaper: 2SM000.000 - SAFETY MANAGEMENT SYSTEMS

#### **Determination of Adjusted-Recorded (Incurred Costs):**

•	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	0	0	0	224	442
Non-Labor	0	0	36	9	444
NSE	0	0	0	0	0
Total	0	0	36	233	886
FTE	0.0	0.0	0.0	1.1	2.6
djustments (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 (Nomin	nal \$)				
Labor	0	0	0	224	442
Non-Labor	0	0	36	8	443
NSE	0	0	0	0	0
Total	0	0	36	232	885
FTE	0.0	0.0	0.0	1.1	2.6
acation & Sick (Nominal \$	5)				
Labor	0	0	0	39	78
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	39	78
FTE	0.0	0.0	0.0	0.2	0.4
Escalation to 2021\$					
Labor	0	0	0	8	0
Non-Labor	0	0	3	1	0
NSE	0	0	0	0	0
Total	0	0	3	8	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Const	ant 2021\$)				
Labor	0	0	0	271	520
Non-Labor	0	0	38	9	443
NSE	0	0	0	0	0
Total	0	0	38	280	963
FTE	0.0	0.0	0.0	1.3	3.0

<sup>\*</sup> After company-wide exclusions of Non-GRC costs

<sup>\*\*</sup> Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. SAFETY MANAGEMENT SYSTEMS
Category-Sub: 1. SAFETY MANAGEMENT SYSTEMS

Workpaper: 2SM000.000 - SAFETY MANAGEMENT SYSTEMS

#### 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	-1	-0.975
NSE		0	0	0	0	0
	Total		0	0	-1	-0.975
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	-1	0	0.0	1-Sided Adj	
Explanation:	Incremental COVID-related Catastrophic Event Memora		•	requested for	or recovery through a non-GRC	
2020 Total	0	-1	0	0.0		
2021	0	-1	0	0.0	1-Sided Adj	
Explanation:	Incremental COVID-related Catastrophic Event Memora		•	requested for	or recovery through a non-GRC	
2021	0	0	0	0.0	1-Sided Adj	
Explanation:	Incremental COVID-related Catastrophic Event Memora			requested for	or recovery through a non-GRC	
2021	0	0	0	0.0	1-Sided Adj	
Explanation:	Adjustment to remove cost related to tickets expense for cost center 2200-0849					
2021 Total	0	-1	0	0.0		

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. SAFETY MANAGEMENT SYSTEMS
Category-Sub: 1. SAFETY MANAGEMENT SYSTEMS

Workpaper: 2SM000.000 - SAFETY MANAGEMENT SYSTEMS

#### RAMP Item # 1

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 1

RAMP Line Item Name: SMS Framework

Tranche(/s): Tranche1: NA

#### **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	817	2,202	2,202	2,202	782	946

#### **Cost Estimate Changes from RAMP:**

The GRC forecast for this mitigation is split with several workpapers in my witness area (2SM000, 2SM002 and 2SM004).

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

#### **RSE Changes from RAMP:**

An RSE was not calculated for this activity

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. SAFETY MANAGEMENT SYSTEMS
Category-Sub: 1. SAFETY MANAGEMENT SYSTEMS

Workpaper: 2SM000.000 - SAFETY MANAGEMENT SYSTEMS

#### RAMP Item # 2

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: M05

RAMP Line Item Name: Expanded Safety Culture Assessments

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	146	146	146	146	45	60

#### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 Surveys	1.00	0.00	0.00	1.00	1.00	1.00

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	9.000	

#### **RSE Changes from RAMP:**

An GRC RSE was not calculated for this activity. Mitigation measure was achieved by other means, specifically the recent 2EC and API external assessments where we have been able to gather information from our employees and contractors related to our Safety Culture.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: B. STRATEGY
Workpaper: 2SM004.000

Summary for Category: B. STRATEGY

	In 2021\$ (000) Incurred Costs					
	Adjusted-Recorded		Adjusted-Forecast			
	2021	2022	2023	2024		
Labor	533	533	815	956		
Non-Labor	88	88	148	153		
NSE	0	0	0	0		
Total	621	621	963	1,109		
FTE	3.9	3.9	5.9	6.9		

#### **Workpapers belonging to this Category:**

28M0	04.000	STRA	TEGV
<b>231110</b>	U4.UUU	SIKA	ᇉᅜᅜᅚ

Labor	533	533	815	956
Non-Labor	88	88	148	153
NSE	0	0	0	0
Total	621	621	963	1,109
FTE	3.9	3.9	5.9	6.9

Beginning of Workpaper 2SM004.000 - STRATEGY

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: B. STRATEGY
Category-Sub 1. STRATEGY

Workpaper: 2SM004.000 - STRATEGY

#### **Activity Description:**

The activities completed within this workgroup is dedicated to continuously enhance the safety of operations, strengthen the safety culture and improve overall safety performance of SoCalGas. The activities focus on 8 areas that center on the development, implementation, continuous improvement and evaluation of maturity for SoCalGas's Safety Management System (SMS). This is accomplished by establishing appropriate foundational policies, publishing enterprise safety plans, facilitating employee and stakeholder engagement of our SMS, instituting a common management of change process, leading internal and external assessments of SMS maturity, benchmarking and sharing best safety practices with our peers and industry associations, establishing a recognition program that promotes the SMS and engaging with contractors regarding SMS.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

The forecast method developed for this cost category to labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments provide a greater emphasis on enhancing safety for our contractors through dedicating resources for our Contractor Management program. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group which require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### Non-Labor - Base YR Rec

The forecast method developed for this cost category to non-labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments provide a greater emphasis on enhancing safety for our contractors through dedicating resources for our Contractor Management program. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group which require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### NSE - Base YR Rec

NSE is not applicable to this workgroup.

#### **Summary of Results:**

		In 2021\$ (000) Incurred Costs									
		Adju	sted-Recor	Ad	cast						
Years	2017	2018	2019	2020	2021	2022	2023	2024			
Labor	57	57	32	565	533	533	815	956			
Non-Labor	2	129	110	128	88	88	148	153			
NSE	0	0	0	0	0	0	0	0			
Total	60	185	142	693	621	621	963	1,109			
FTE	0.4	0.4	0.2	4.2	3.9	3.9	5.9	6.9			

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: B. STRATEGY
Category-Sub: 1. STRATEGY

Workpaper: 2SM004.000 - STRATEGY

#### **Summary of Adjustments to Forecast:**

	In 2021 \$(000) Incurred Costs										
Forecas	t Method	Base Forecast Forecast Adjustments Adjusted-Forec			ted-Forec	cast					
Years	s	2022	2023	2024	2022	2023	2024	2022	2023	2024	
Labor	Base YR Rec	533	533	533	0	282	423	533	815	956	
Non-Labor	Base YR Rec	88	88	88	0	60	65	88	148	153	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	ıl	621	621	621	0	342	488	621	963	1,109	
FTE	Base YR Rec	3.9	3.9	3.9	0.0	2.0	3.0	3.9	5.9	6.9	

#### **Forecast Adjustment Details:**

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj Type	
2022	0	0	0	0	0.0	1-Sided Adj	

#### **Explanation:**

Other: SMS Recognition Program - Creation and advancement of SoCalGas's SMS is demanding many employees from throughout the company with expertise in safety and operations areas and pipeline contractors involved in construction activities to support company-wide initiatives, like the external SMS maturity assessment recently completed by API. To incentivize and inspire employees and contractors to support the advancement of SMS, the SMS Strategy group is developing a recognition program for employees and contractors to include symbolic and impactful recognition ways and means. This may include challenge coins, shirts, jackets, awards, trophies, etc.

Calculation:

No incremental cost for this year

2022 Total	0	0	0	0	0.0	
2023	282	10	0	292	2.0	1-Sided Adj

#### **Explanation:**

RAMP (CFF6-1): RAMP Incremental; SCG-CFF-6 - Safety Management System - 1 - SMS Framework: FTE support for SMS Contractor Engagement - This effort is expected to add additional FTE resources through 2024 to manage this accountability of SoCalGas, as an operator, using contractors who also adopt and adhere to the requirements of API RP 1173. The responsibilities of the FTE resources are as follows:

Two of the FTEs will plan and design the contractor engagement program and develop a strategy for implementation. This strategy will require the FTEs to communicate and educate on the importance of SMS, raise awareness of safety reporting tools, and provide support and feedback to all Class 1 contractors as they draft their own SMS plans. Additionally, we will aid our Class 1 contractors in developing an SMS assessment program and identifying relevant KPIs to measure SMS progress. An early milestone of this program is to mature all Class 1 contractors to a Maturity Level 2 (based on the Pipeline SMS Maturity Model).

Calculation:

Labor cost for Project Manager position: 2.0 FTE X \$140.9K = \$282k Non-labor cost for employee expenses: 2.0 FTE X \$5K = \$10k

2023 0 50 0 50 0.0 1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: B. STRATEGY
Category-Sub: 1. STRATEGY

Workpaper: 2SM004.000 - STRATEGY

Workpaper:	25MUU4.UUU - 5TRA	IEGY							
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type			
Explanation:	Other: SMS Recognition In many employees from the pipeline contractors involvexternal SMS maturity as and contractors to support recognition program for eleways and means. This maturity and calculation:  Non-labor cost to purchase.	oughout the yed in constr sessment re t the advand mployees ar ay include ch	company wit uction activiti cently comple ement of SM nd contractors nallenge coins	h expertise in ses to support of the ted by API. To S, the SMS Stores to include syn	safety and ope company-wide o incentivize an rategy group is nbolic and imp	rations areas and initiatives, like the dinspire employees developing a actful recognition			
2023 Total	282	60	0	342	2.0				
2024	423	15	0	438	3.0	1-Sided Adj			
Explanation:	RAMP (CFF6-1): RAMP Incremental; SCG-CFF-6 - Safety Management System - 1 - SMS Framework: FTE support for SMS Contractor Engagement - This effort is expected to add additional FTE resources through 2024 to manage this accountability of SoCalGas, as an operator, using contractors who also adopt and adhere to the requirements of API RP 1173. The responsibilities of the FTE resources are as follows:  Two of the FTEs will plan and design the contractor engagement program and develop a strategy for								
	Two of the FTEs will plan and design the contractor engagement program and develop a strategy for implementation. This strategy will require the FTEs to communicate and educate on the importance of SMS, raise awareness of safety reporting tools, and provide support and feedback to all Class 1 contractors as they draft their own SMS plans. Additionally, we will aid our Class 1 contractors in developing an SMS assessment program and identifying relevant KPIs to measure SMS progress. An early milestone of this program is to mature all Class 1 contractors to a Maturity Level 2 (based on the Pipeline SMS Maturity Model).								

A third FTE will aid in the execution of the contractor engagement program. For the contractors that achieve a Conformance Level 2, support will be provided to implement SMS plans and processes. This includes change management efforts in communicating contractor specific SMS frameworks and developing and conducting SMS training. The intent of this effort is to reach the next significant milestone of achieving a Maturity Level 3.

Calculation:

Labor cost for Project Manager position: 3.0 FTE X \$140.9K = \$423k Non-labor cost for employee expenses: 3.0 FTE X \$5K = \$15k

2024 0 50 0 50 0.0 1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: B. STRATEGY
Category-Sub: 1. STRATEGY

Workpaper: 2SM004.000 - STRATEGY

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u>	Adj_Type
Explanation:	Other: SMS Recognition many employees from pipeline contractors invexternal SMS maturity and contractors to supprecognition program for ways and means. This Calculation:  Non-labor to purchase	throughout the volved in construction assessment re- port the advance remployees are may include ch	company wit ruction activiti cently comple cement of SM nd contractors	h expertise in se to support of the ted by API. To S, the SMS St to include syr	safety and opera company-wide in o incentivize and rategy group is o mbolic and impa	ations areas and hitiatives, like the hinspire employees developing a ctful recognition
2024 Total	423	65	0	488	3.0	

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: B. STRATEGY
Category-Sub: 1. STRATEGY

Workpaper: 2SM004.000 - STRATEGY

#### **Determination of Adjusted-Recorded (Incurred Costs):**

torrimation of Aujustou	i-Recorded (incurred Cos 2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
corded (Nominal \$)*					
Labor	0	0	0	258	200
Non-Labor	0	0	1	22	107
NSE	0	0	0	0	0
Total	0	0	1	280	307
FTE	0.0	0.0	0.0	1.7	1.2
djustments (Nominal \$) **	•				
Labor	44	45	26	209	253
Non-Labor	2	118	102	97	-18
NSE	0	0	0	0	0
Total	46	163	127	306	235
FTE	0.3	0.3	0.2	1.8	2.1
ecorded-Adjusted (Nomin	nal \$)				
Labor	44	45	26	467	453
Non-Labor	2	118	102	119	88
NSE	0	0	0	0	0
Total	46	163	128	585	542
FTE	0.3	0.3	0.2	3.5	3.3
acation & Sick (Nominal \$	5)				
Labor	7	8	5	82	80
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	7	8	5	82	80
FTE	0.1	0.1	0.0	0.7	0.6
scalation to 2021\$					
Labor	6	4	2	16	0
Non-Labor	0	11	7	9	0
NSE	0	0	0	0	0
Total	6	15	9	25	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	ant 2021\$)				
Labor	57	57	32	565	533
Non-Labor	2	129	110	128	88
NSE	0	0	0	0	0
Total	60	185	142	693	621
FTE	0.4	0.4	0.2	4.2	3.9

<sup>\*</sup> After company-wide exclusions of Non-GRC costs

<sup>\*\*</sup> Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: B. STRATEGY
Category-Sub: 1. STRATEGY

Workpaper: 2SM004.000 - STRATEGY

#### Summary of Adjustments to Recorded:

	In Nominal \$ (000) Incurred Costs										
	Years	2017	2018	2019	2020	2021					
Labor		44	45	26	209	253					
Non-Labor		2	118	102	97	-18					
NSE		0	0	0	0	0					
	Total	46	163	127	306	235					
FTE		0.3	0.3	0.2	1.8	2.1					

#### Detail of Adjustments to Recorded:

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	Adj Type				
2017	44	2	0	0.3	CCTR Transf From 2200-2622.000				
Explanation:	Transferring to Non-Shared	workpaper 2SM00	04.000 where	these activi	ties will be forecasted.				
2017 Total	44	2	0	0.3					
2018	0	1	0	0.0	CCTR Transf From 2200-2622.000				
Explanation:	Transferring to Non-Shared	ransferring to Non-Shared workpaper 2SM004.000 where these activities will be forecasted.							
2018	45	117	0	0.3	CCTR Transf From 2200-2622.000				
Explanation:	Transferring to Non-Shared workpaper 2SM004.000 where these activities will be forecasted.								
2018 Total	45	118	0	0.3					
2019	0	1	0	0.0	CCTR Transf From 2200-2622.000				
Explanation:	Transferring to Non-Shared	Transferring to Non-Shared workpaper 2SM004.000 where these activities will be forecasted.							
2019	26	101	0	0.2	CCTR Transf From 2200-2622.000				
Explanation:	Transferring to Non-Shared	workpaper 2SM00	04.000 where	these activi	ties will be forecasted.				
2019	0	0	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove cost r	related to dues ex	pense						
2019 Total	26	102	0	0.2					
2020	0	-1	0	0.0	1-Sided Adj				
Explanation:	Incremental COVID-related Catastrophic Event Memora		•	requested f	or recovery through a non-GRC				
2020	25	0	0	0.3	CCTR Transf From 2200-2622.000				
Explanation:	Transferring to Non-Shared	workpaper 2SM00	04.000 where	these activi	ties will be forecasted.				
2020	184	99	0	1.5	CCTR Transf From 2200-2622.000				
Explanation:	Transferring to Non-Shared	workpaper 2SM00	04.000 where	these activi	ties will be forecasted.				

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: B. STRATEGY
Category-Sub: 1. STRATEGY

Workpaper: 2SM004.000 - STRATEGY

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	Adj Type				
2020	0	-2	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove cost rela	adjustment to remove cost related to dues expense for cost center 2200-2031							
2020 Total	209	97	0	1.8					
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	253	-17	0	2.1	CCTR Transf From 2200-2622.000				
Explanation:	Transferring to Non-Shared wo	orkpaper 2SM004.0	00 where the	se activities	s will be forecasted.				
2021	0	-1	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove cost related to dues expense for cost center 2200-2031								
2021 Total	253	-18	0	2.1					

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: B. STRATEGY
Category-Sub: 1. STRATEGY

Workpaper: 2SM004.000 - STRATEGY

#### RAMP Item # 1

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 1

RAMP Line Item Name: SMS Framework

Tranche(/s): Tranche1: NA

#### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	621	621	913	1,059	782	946

#### **Cost Estimate Changes from RAMP:**

The GRC forecast for this mitigation is split with several workpapers in my witness area (2SM000, 2SM002 and 2SM004).

GRC Work Unit/Activity Level Estima	<u>ites</u>
-------------------------------------	-------------

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

Unit range description was not provided in RAMP.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

#### **RSE Changes from RAMP:**

NA

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: C. Risk Management

Workpaper: 2SM006.000

#### Summary for Category: C. Risk Management

	Adjusted-Recorded		Adjusted-Forecast	
	2021	2022	2023	2024
Labor	1,694	2,009	2,143	2,496
Non-Labor	2,157	2,172	2,176	2,191
NSE	0	0	0	0
Total	3,851	4,181	4,319	4,687
FTE	12.3	15.0	16.0	19.0
Workpapers belonging	to this Category:			
2SM006.000 Risk Ma	nagement			
Labor	1,694	2,009	2,143	2,496
Non-Labor	2,157	2,172	2,176	2,191
NSE	0	0	0	0
Total	3,851	4,181	4,319	4,687
FTE	12.3	15.0	16.0	19.0

In 2021\$ (000) Incurred Costs

Beginning of Workpaper 2SM006.000 - Risk Management

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: C. Risk Management
1. Risk Management

Workpaper: 2SM006.000 - Risk Management

#### **Activity Description:**

The Risk Management department is organized into three functional activities: (1) Risk Management (RM), (2) Regulatory Compliance (RC), and (3) Risk & Accountability Department (RAD).

Since 2019, the RM department is no longer a shared service between SoCalGas and SDG&E. The division is led by the Vice President of Risk Management and Chief Risk Officer, whose role is to oversee the continued development, implementation, and application of risk management best practices. This includes promoting the integration of risk concepts and analysis in asset management and investment processes to support the strengthening of SoCalGas's safety culture. This role is also responsible for developing and setting risk management policy to assist SoCalGas in managing it's risks through a structured, increasingly data-driven approach that identifies threats and hazards, assesses and prioritizes risks, implements mitigation efforts, and engages in assessments and reviews to understand risk mitigation effectiveness.

#### Forecast Explanations:

#### Labor - Base YR Rec

The forecast method developed for this cost category to labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus a greater emphasis to support Risk Management compliance, accountability, strategic & operational and quantitative activities. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group which require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### Non-Labor - Base YR Rec

The forecast method developed for this cost category to non-labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus a greater emphasis to support Risk Management compliance, accountability, strategic & operational and quantitative activities. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group which require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### **NSE - Base YR Rec**

NSE is not applicable to this workgroup.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: C. Risk Management
Category-Sub 1. Risk Management

Workpaper: 2SM006.000 - Risk Management

#### **Summary of Results:**

		In 2021\$ (000) Incurred Costs								
		Adju	ısted-Recor	Adjusted-Forecast						
Years	2017	2018	2019	2020	2021	2022	2023	2024		
Labor	727	724	1,152	1,465	1,694	2,009	2,143	2,496		
Non-Labor	31	29	77	1,381	2,157	2,172	2,176	2,191		
NSE	0	0	0	0	0	0	0	0		
Total	758	753	1,229	2,847	3,851	4,181	4,319	4,687		
FTE	5.0	5.0	6.7	9.4	12.3	15.0	16.0	19.0		

SAFETY MANAGEMENT SYSTEMS Area:

Neena N. Master Witness: C. Risk Management Category: Category-Sub: 1. Risk Management

Workpaper: 2SM006.000 - Risk Management

#### **Summary of Adjustments to Forecast:**

			In 202	1 \$(000) lı	ncurred Co	sts				
Forecast	Bas	se Foreca	st	Forecast Adjustments Adjusted-For			ted-Forec	ecast		
Years	3	2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	1,694	1,694	1,694	315	449	802	2,009	2,143	2,496
Non-Labor	Base YR Rec	2,157	2,157	2,157	15	19	34	2,172	2,176	2,191
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	3,851	3,851	3,851	330	468	836	4,181	4,319	4,687
FTE	Base YR Rec	12.3	12.3	12.3	2.7	3.7	6.7	15.0	16.0	19.0

FTE	Base YR Rec	12.3	12.3	12.3	2.7	3.7	6.7	15.0	16.0	19.0
Forecast Adjus	stment Details:									
<u>Year</u>	Labo	<u>or</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>F1</u>	E	Adj T	<u>ype</u>	
2022	4	13	2	0	45		0.3	1-Sided	Adj	
Explanation:	Manager will m management in and the develo Calculation: Labor cost for l	Other: FTE to support Strategic & Operational Risk Management activities - The Strategic Risk Manager will manage and direct the development and implementation of strategic and operational risk management including identifying strategic and emerging risks, benchmarking industry best practices, and the development of risk frameworks.  Calculation:  Labor cost for Business Manager position: 0.3 FTE X \$144K = \$43k  Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k								
2022	7	78	4	0	82		0.7	1-Sided	Adj	
Explanation:	Other: FTE to see will support the risk-related information business system also provide buthe ongoing Control Calculation:  Labor cost for Second Sec	e developme ormation. The ms, busines usiness syste ommission's	nt of inforn his position s intelligen ems suppo S-MAP pro nalyst posit	nation tech n will provid nce, data vi- ort for meeti oceedings. tion: 0.7 FT	nology solution e leadership sualization and changes in E X \$111K =	ons for the and direct and regulated and regulated se \$78k	e recordi tion on p ory repo	ing and reporti projects for importing. This po	ng of proving sition will	
2022		0	0	0	0		0.0	1-Sided	Adj	
Explanation:	Other: FTE to s function. Activity various organizeredit risk SoC credit risk metr	ties include o zations withio alGas may b	evaluation n SoCalGa ne exposed	and monitons do busing to from co	oring of the co ess with. Cre ounterparties	reditworth edit Analy	iness of st will m	all counterpar onitor and eva	ties that luate	

Note: Totals may include rounding differences.

2022

Calculation:

No incremental cost for this year

0

0

0

0

0.0

1-Sided Adj

# Southern California Gas Company 2024 GRC - REVISED

#### Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: C. Risk Management
Category-Sub: 1. Risk Management

Workpaper: 2SM006.000 - Risk Management

Workpaper:	2SM006.000 - Risk M	lanagement						
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type		
Explanation:	Other: FTE to support Ris implementation of increas assess risks and measure Calculation:	ed application results of its	n of probabilis	stic and quant		-		
2022	No incremental cost for th	is year 8	0	178	1.5	1 Sidad Adi		
Explanation:	Other: FTE to support Affil					1-Sided Adj ance. compliance		
	governance, the annual records retention process and the compilation and refresh of Compliance Frameworks.  Calculation:							
	Labor cost for Advisor: 1.0 \$70k	FTE x \$100	k = \$100k; La	bor cost for F	roject Manage	r: 0.5 FTE x \$140k =		
	Non-labor cost for employ	ee expenses	: 1.0 FTE x \$	5k = \$5k; 0.5	FTE x \$5k = \$3	3k		
	Note: The labor and non-lathe 2021 Base Year.	abor for the P	roject Manaç	ger position is	adjusted to ref	lect it starting during		
2022	24	1	0	25	0.2	1-Sided Adj		
Explanation:	Other: FTE to support Org decision- making capabilit engineering, risk-related to facilitating information sys Calculation: Labor cost for Project Mar Non-labor cost for employ	ies which incl raining, prepa tems change nager: 0.2 FT	lude performi iring project-v s. E x \$119.3k =	ng research, ovide and com	conducting pro	cess mapping and		
	Note: The labor and non-lathe 2021 Base Year.	abor for the F	roject Manaç	ger position is	adjusted to ref	lect it staring during		
2022 Total	315	15	0	330	2.7			
2023	144	5	0	149	1.0	1-Sided Adj		
Explanation:	Other: FTE to support Strategic & Operational Risk Management activities - The Strategic Risk Manager will manage and direct the development and implementation of strategic and operational risk management including identifying strategic and emerging risks, benchmarking industry best practices, and the development of risk frameworks.							
	Calculation: Labor cost for Business M Non-labor cost for employ	• .			k			
2023	111	5	0	116	1.0	1-Sided Adj		

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: C. Risk Management
Category-Sub: 1. Risk Management

Workpaper: 2SM006.000 - Risk Management

vorkpaper.						
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type
Explanation:	Other: FTE to support Ris will support the developm risk-related information. To business systems, business system ongoing Commission?  Calculation: Labor cost for Specialist/ANOn-labor cost for employ	ent of inform This position ss intelligen tems suppor s S-MAP pro	ation technolog will provide leader, data visualize to meeting chaceedings.	y solutions for dership and cation and reconstruction and reconstruction and reconstruction and the second	or the recordir direction on pr gulatory repor gulatory report	g and reporting of ojects for improving ting. This position will
2023	0	0	0	0	0.0	1-Sided Adj
xplanation:	Other: FTE to support Ris function. Activities include various organizations with credit risk SoCalGas may credit risk metrics such as Calculation:  No incremental cost for the	evaluation a nin SoCalGa be exposed s potential fu	and monitoring s do business w to from counte	of the credity ith. Credit A	vorthiness of a analyst will mo	all counterparties that nitor and evaluate
2023	0	0	0	0	0.0	1-Sided Adj
Explanation:	Other: FTE to support Ris implementation of increas assess risks and measure Calculation: No incremental cost for the	k Managem ed application results of it	ent Quantitative on of probabilist	Activities - cic and quant	To support the	development and
2023	170	8	0	178	1.5	1-Sided Adj
explanation:	Other: FTE to support Affigovernance, the annual reframeworks.  Calculation: Labor cost for Advisor: 1.0 \$70k  Non-labor cost for employ  Note: The labor and non-labor 2021 Base Year.	o FTE x \$100 ree expense:	tion process and Dk = \$100k; Lab s: 1.0 FTE x \$5	or cost for P	ation and refre roject Manage FTE x \$5k = \$	sh of Compliance er: 0.5 FTE x \$140k =
2023		1	0	25	0.2	1 Sidod Adi
2023	24	1	0	25	0.2	1-Sided Adj

# Southern California Gas Company 2024 GRC - REVISED

#### Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: C. Risk Management
Category-Sub: 1. Risk Management

Vorkpaper:	1. Risk Manageme					
	2SM006.000 - Risk	Management				
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type
Explanation:	Other: FTE to support of decision- making capable engineering, risk-related facilitating information support of Calculation: Labor cost for Project M Non-labor cost for employees. The labor and not the 2021 Base Year.	oilities which in d training, prep systems chang flanager: 0.2 F oyee expense	clude perform paring project- es. TE x \$119.3k s: 0.2 FTE x \$	ng research, o wide and com = \$24k 5k = \$1k	conducting pro pany-wide com	cess mapping and imunications and
2023 Total	449	19	0	468	3.7	
2024	144	5	0	149	1.0	1-Sided Adj
	Manager will manage a management including and the development of Calculation: Labor cost for Business Non-labor cost for empl	identifying stra f risk framewor Manager pos	itegic and emeks.	erging risks, be \$144K = \$144	enchmarking in	•
2024	111	5	0	116	1.0	1-Sided Adj
Explanation:	Other: FTE to support F will support the develop risk-related information.	ment of inform This position	nation technolo will provide le	gy solutions f adership and	or the recordin direction on pr	g and reporting of ojects for improving
	also provide business s the ongoing Commissio  Calculation: Labor cost for Specialis Non-labor cost for empl	ystems suppo n's S-MAP pro t/Analyst posit	rt for meeting occeedings.	changes in reg	gulatory reporti	ing. This position will ng requirements from
2024	also provide business s the ongoing Commission Calculation: Labor cost for Specialis	ystems suppo n's S-MAP pro t/Analyst posit	rt for meeting occeedings.	changes in reg	gulatory reporti	_

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: C. Risk Management
Category-Sub: 1. Risk Management

Workpaper: 2SM006.000 - Risk Management

Workpaper:	2SM006.000 - Risk	wanagemen	L			
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type
2024	97	5	0	102	1.0	1-Sided Adj
Explanation:	Other: FTE to support R implementation of increa assess risks and measu Calculation: Labor cost for Advisor p Non-labor cost for emplo	ased applicati re results of i	on of probabilists risk manage	stic and quant ment efforts . \$97k		•
2024	170	8	0	178	1.5	1-Sided Adj
Explanation:	Other: FTE to support A governance, the annual Frameworks.  Calculation: Labor cost for Advisor: 1 \$70k  Non-labor cost for employed Note: The labor and nor the 2021 Base Year.	records reten	ntion process a 0k = \$100k; La es: 1.0 FTE x \$	nd the compile abor cost for F  5k = \$5k; 0.5	ation and refre roject Manage FTE x \$5k = \$	sh of Compliance er: 0.5 FTE x \$140k = 3k
2024	24	1	0	25	0.2	1-Sided Adj
Explanation:	Other: FTE to support C decision- making capable engineering, risk-related facilitating information sy Calculation: Labor cost for Project M Non-labor cost for employed Note: The labor and nor the 2021 Base Year.	ilities which in I training, prep ystems chang anager: 0.2 F byee expense	iclude performic paring project-vies. TE x \$119.3k = es: 0.2 FTE x \$	ng research, o wide and com = \$24k 5k = \$1k	conducting pro cany-wide con	ocess mapping and nmunications and
2024 Total	802	34	0	836	6.7	

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: C. Risk Management
Category-Sub: 1. Risk Management

Workpaper: 2SM006.000 - Risk Management

#### **Determination of Adjusted-Recorded (Incurred Costs):**

otoa.a or / tajaotoa .	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	149	157	167	183	129
Non-Labor	1	2	7	12	5
NSE	0	0	0	0	0
Total	150	159	174	195	134
FTE	1.6	1.6	1.6	1.6	1.2
Adjustments (Nominal \$) **					
Labor	409	412	750	1,027	1,310
Non-Labor	26	24	65	1,271	2,152
NSE	0	0	0	0	0
Total	435	437	815	2,298	3,463
FTE	2.6	2.6	4.0	6.3	9.2
Recorded-Adjusted (Nomina	ıl \$)				
Labor	557	569	917	1,210	1,440
Non-Labor	28	27	72	1,283	2,157
NSE	0	0	0	0	0
Total	585	595	989	2,493	3,597
FTE	4.2	4.2	5.6	7.9	10.4
/acation & Sick (Nominal \$)					
Labor	94	98	174	213	254
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	94	98	174	213	254
FTE	0.8	0.8	1.1	1.5	1.9
Escalation to 2021\$					
Labor	75	57	61	42	0
Non-Labor	3	2	5	98	0
NSE	0	0	0	0	0
Total	79	59	66	140	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constar	nt 2021\$)				
Labor	727	724	1,152	1,465	1,694
Non-Labor	31	29	77	1,381	2,157
NSE	0	0	0	0	0
Total	758	753	1,229	2,847	3,851
FTE	5.0	5.0	6.7	9.4	12.3

<sup>\*</sup> After company-wide exclusions of Non-GRC costs

<sup>\*\*</sup> Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: C. Risk Management
Category-Sub: 1. Risk Management

Workpaper: 2SM006.000 - Risk Management

#### Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs						
	Years	2017	2018	2019	2020	2021
Labor	-	409	412	750	1,027	1,310
Non-Labor		26	24	65	1,271	2,152
NSE		0	0	0	0	0
	Total –	435	437	815	2,298	3,463
FTE		2.6	2.6	4.0	6.3	9.2

#### Detail of Adjustments to Recorded:

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	Adj Type
2017	0	0	0	0.0	CCTR Transf From 2200-2547.000
Explanation:	Transferring to Non-Shared w	orkpaper 2SM006	.000 where the	ese activities	will be forecasted.
2017	221	15	0	1.6	CCTR Transf From 2200-2547.000
Explanation:	Transferring to Non-Shared w	orkpaper 2SM006	.000 where the	ese activities	s will be forecasted.
2017	187	11	0	1.0	CCTR Transf From 2200-2216.000
Explanation:	Transferring to Non-Shared w	orkpaper 2SM006	.000 where the	ese activities	s will be forecasted.
2017 Total	409	26	0	2.6	
2018	0	0	0	0.1	CCTR Transf From 2200-2547.000
Explanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.				
2018	218	16	0	1.5	CCTR Transf From 2200-2547.000
Explanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.				
2018	194	8	0	1.0	CCTR Transf From 2200-2216.000
Explanation:	Transferring to Non-Shared w	orkpaper 2SM006	.000 where the	ese activities	will be forecasted.
	g .				20 .0.000000
2018 Total		24	0	2.6	
<b>2018 Total</b> 2019		<b>24</b> 9	0	<b>2.6</b> 0.0	CCTR Transf From 2200-2235.000
	412	9	0	0.0	CCTR Transf From 2200-2235.000
2019	<b>412</b> 0	9	0	0.0	CCTR Transf From 2200-2235.000
2019 Explanation:	412 0 Transferring to Non-Shared w	9 vorkpaper 2SM006 25	0 .000 where the	0.0 ese activities 2.1	CCTR Transf From 2200-2235.000 s will be forecasted.  CCTR Transf From 2200-2547.000
2019 Explanation: 2019	412 0 Transferring to Non-Shared w 256	9 vorkpaper 2SM006 25	0 .000 where the	0.0 ese activities 2.1	CCTR Transf From 2200-2235.000 s will be forecasted.  CCTR Transf From 2200-2547.000
2019 Explanation: 2019 Explanation:	Transferring to Non-Shared w 256 Transferring to Non-Shared w	9 vorkpaper 2SM006 25 vorkpaper 2SM006 -41	0 .000 where the 0 .000 where the	0.0 ese activities 2.1 ese activities 0.0	CCTR Transf From 2200-2235.000 s will be forecasted.  CCTR Transf From 2200-2547.000 s will be forecasted.  CCTR Transf From 2200-2235.000
2019 Explanation: 2019 Explanation: 2019	0 Transferring to Non-Shared w 256 Transferring to Non-Shared w 0	9 vorkpaper 2SM006 25 vorkpaper 2SM006 -41	0 .000 where the 0 .000 where the	0.0 ese activities 2.1 ese activities 0.0	CCTR Transf From 2200-2235.000 s will be forecasted.  CCTR Transf From 2200-2547.000 s will be forecasted.  CCTR Transf From 2200-2235.000

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: C. Risk Management
Category-Sub: 1. Risk Management

Workpaper: 2SM006.000 - Risk Management

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	Adj Type	
2019	79		0	0.4	CCTR Transf From 2200-2216.000	
Explanation:	Transfer to Non-Shared workpaper 2SM006 where these activities will be forecasted.					
2019	294	28	0	0.9	CCTR Transf From 2200-2235.000	
Explanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.					
2019	0	-4	0	0.0	1-Sided Adj	
xplanation:	Adjustment to remove cost related to tickets expense					
2019	0	-2	0	0.0	1-Sided Adj	
xplanation:	Adjustment to remove cost relate	d to dues expen	se			
2019	0	41	0	0.0	CCTR Transf To 2200-8000.002	
Explanation:	Transfer non-labor expense to th	e correct witness	s area 2200.8	000.002		
2019 Total	750	65	0	4.0		
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	0	0	0	0.0	CCTR Transf From 2200-2055.000	
xplanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.					
2020	326	26	0	2.7	CCTR Transf From 2200-2547.000	
xplanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.					
2020	205	935	0	1.0	CCTR Transf From 2200-2216.000	
xplanation:	Transferring to Non-Shared work	paper 2SM006.0	000 where the	ese activities	will be forecasted.	
2020	0	8	0	0.0	CCTR Transf From 2200-2235.000	
xplanation:	Transferring to Non-Shared work	paper 2SM006.0	000 where the	ese activities	will be forecasted.	
2020	1	225	0	0.1	CCTR Transf From 2200-2235.000	
Explanation:	Transferring to Non-Shared work	paper 2SM006.0	000 where the			
2020	188 T. f. i. N. Ol. J. J.	4	0	1.6	CCTR Transf From 2200-2055.000	
explanation:	Transferring to Non-Shared work					
2020	307 Transferring to Non-Shared work	73	0	0.9	CCTR Transf From 2200-2235.000	
Explanation:	Transferring to Non-Shared work					
2020	0	0	0	0.0	1-Sided Adj	
Explanation:	Adjustment to remove cost relate	•		0.0		
2020 Total	1,027	1,271	0	6.3		
2021	0	0	0	0.0	1-Sided Adj	

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master
Category: C. Risk Management
Category-Sub: 1. Risk Management

Workpaper: 2SM006.000 - Risk Management

Year	Labor	NLbr	NSE	FTE	Adi Type	
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	0.0	CCTR Transf From 2200-2055.000	
Explanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.					
2021	403	9	0	3.3	CCTR Transf From 2200-2547.000	
Explanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.					
2021	213	1,764	0	1.0	CCTR Transf From 2200-2216.000	
Explanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.					
2021	0	1	0	0.0	CCTR Transf From 2200-2235.000	
Explanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.					
2021	0	0	0	0.1	CCTR Transf From 2200-2235.000	
Explanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.					
2021	7	0	0	0.1	CCTR Transf From 2200-2547.000	
Explanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.					
2021	394	267	0	3.1	CCTR Transf From 2200-2055.000	
Explanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.					
2021	280	113	0	1.3	CCTR Transf From 2200-2235.000	
Explanation:	Transferring to Non-Shared workpaper 2SM006.000 where these activities will be forecasted.					
2021	0	-1	0	0.0	1-Sided Adj	
Explanation:	Adjustment to remove cost related to dues expense					
2021	13	0	0	0.3	1-Sided Adj	
Explanation:	Adjustment to add 3 months of salary to capture full year cost for employee on medical leave					
2021 Total	1,310	2,152	0	9.2		

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000

## Summary for Category: D. CONTINUOUS IMPROVEMENT

		In 2021\$ (000) Incurred Costs							
	Adjusted-Recorded	Adjusted-Forecast							
	2021	2022	2023	2024					
Labor	1,022	1,022	1,538	1,538					
Non-Labor	40	40	206	106					
NSE	0	0	0	0					
Total	1,062	1,062	1,744	1,644					
FTE	8.5	8.5	12.9	12.9					

## Workpapers belonging to this Category:

## 2SM002.000 CONTINUOUS IMPROVEMENT

Labor	1,022	1,022	1,538	1,538
Non-Labor	40	40	206	106
NSE	0	0	0	0
Total	1,062	1,062	1,744	1,644
FTE	8.5	8.5	12.9	12.9

Beginning of Workpaper 2SM002.000 - CONTINUOUS IMPROVEMENT

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT
Category-Sub 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

#### **Activity Description:**

Continuous Improvement (CI) is responsible for creating an environment where feedback mechanisms are part of decisions, and processes which result in collective participation and learning from events to achieve the safest outcomes. Centralized incident evaluations, quality management assessments, compliance assurance, and continuous improvement activities help become an impetus necessary to achieving safety excellence by listening, assessing and learning. This group also provides assessments and analyses resulting in recommendations and process improvements to compliance activities (e.g., locate and mark, leak survey and pipeline inspections on bridges spans and unstable earth). CI consists of multiple interconnected departments and cost centers including Continuous Improvement Operations Manager, Safety Assurance, and Continuous Improvement PM.

#### **Forecast Explanations:**

## Labor - Base YR Rec

The forecast method developed for this cost category to labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus a greater emphasis on enhancing our quality management/assessments and data collection capabilities. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group which require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

## Non-Labor - Base YR Rec

The forecast method developed for this cost category to non-labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus a greater emphasis on enhancing our quality management/assessments and data collection capabilities. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group which require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### **NSE - Base YR Rec**

NSE is not applicable to this workgroup.

## Summary of Results:

		In 2021\$ (000) Incurred Costs								
		Adju	sted-Recor	Ad	justed-Fored	cast				
Years	2017	2018	2019	2020	2021	2022	2023	2024		
Labor	830	973	816	864	1,022	1,022	1,538	1,538		
Non-Labor	73	67	48	25	40	39	205	105		
NSE	0	0	0	0	0	0	0	0		
Total	903	1,040	864	889	1,062	1,061	1,743	1,643		
FTE	7.7	8.8	7.2	6.9	8.5	8.5	12.9	12.9		

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT
Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

## **Summary of Adjustments to Forecast:**

	In 2021 \$(000) Incurred Costs										
Forecas	t Method	Bas	se Foreca	st	Forec	Forecast Adjustments			Adjusted-Forecast		
Year	s	2022	2023	2024	2022	2023	2024	2022	2023	2024	
Labor	Base YR Rec	1,022	1,022	1,022	0	516	516	1,022	1,538	1,538	
Non-Labor	Base YR Rec	40	40	40	0	166	66	40	206	106	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	al	1,062	1,062	1,062	0	682	582	1,062	1,744	1,644	
FTE	Base YR Rec	8.5	8.5	8.5	0.0	4.4	4.4	8.5	12.9	12.9	

## **Forecast Adjustment Details:**

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	FTE	Adj Type	
2022 Total	0	0	0	0	0.0		
2023	258	13	0	271	2.2	1-Sided Adj	

# Southern California Gas Company 2024 GRC - REVISED

#### Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT
Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

<u>Year Labor NLbr NSE Total FTE Adj\_Type</u>

#### **Explanation:**

RAMP (CFF6-6): RAMP Incremental; SCG-CFF-6 - Safety Management System – 6 - Expand Quality Assessment Program: SoCalGas plans to expand quality assessments and enhance consistent quality oversight across the Company. SoCalGas intends to add 2.2 FTE positions at a cost of \$271K (\$258k Labor/\$13K Non-Labor) to support this function. The efforts to support this function are as follows:

Quality Assessments Leak Surveys - This quality assessment is intended to verify that company leakage policies and procedures are being performed in accordance with governmental requirements and GS 223.0100, Leak Surveys. This Gas Standard complies with 49 CFR 192.605 (b8) (c4).

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Quality Assessments Inspection of Pipelines on Bridges & Spans - This quality assessment is intended to verify that company leakage policies and procedures are being performed in accordance with governmental requirements and GS 184.12, Inspection of Pipelines on Bridges and Spans. This Gas Standard complies with 49 CFR 192.605 (b8) (c4).

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Quality Assessments Pipeline Patrol & Unstable Earth Inspection - This quality assessment is intended to verify that company leakage policies and procedures are being performed in accordance with governmental requirements and GS 223.0065, Pipeline Patrol and Unstable Earth Inspections. This Gas Standard complies with 49 CFR 192.605 (b8) (c4).

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Quality Assessments - Underground Service Alert & Temporary Marking - This quality assessment is intended to verify that company leakage policies and procedures are being performed in accordance with governmental requirements and GS 184.0200, Underground Service Alert and Temporary Marking. This Gas Standard complies with 49 CFR 192.605 (b8) (c4).

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Quality Management Major Projects Assessments - Continue to expand/evolve a quality management program for Complex Facility projects. This quality assessment is intended to verify that company policies and procedures are being performed in accordance with governmental requirements, all applicable Gas Standards, and awarded contracts.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type
	Calculation: Labor cost for Project M Non-labor cost for empl	• .				
2023	225	151	0	376	1.9	1-Sided Adj

# Southern California Gas Company 2024 GRC - REVISED

Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT
Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

<u>Year Labor NLbr NSE Total FTE Adj\_Type</u>

#### **Explanation:**

RAMP (CFF6-3): RAMP Incremental; SCG-CFF-6 - Safety Management System – 3 – Continuous Improvement and Quality Assurance: SoCalGas plans to expand efforts in supporting its safety feedback mechanisms through enhancements of its processes for gathering and analyzing safety information. The goal is to continue to support a culture that integrates safety into every activity and process with the help of every SoCalGas employee. SoCalGas intends to add 1.9 FTE positions at a cost of \$236K (\$225k Labor/\$11K Non-Labor) plus \$140k for other non-labor costs to support this function. The efforts to support this function are as follows:

Field & Office Assessment Electronic Data Collection Tool - An electronic data collection tool for field and office assessments to increase efficiency, accuracy, and data sharing capabilities. The data will be gathered and analyzed to identify trends or other insights that will provide information to monitor and enhance internal processes. Evaluate a technology solution that effectively collects data for further analysis.

#### Calculation:

Non-labor: \$140k (Software cost - \$100k; Annual subscription cost - \$40k)

Operationalize Continuous Improvement Plan - Execute implementation activities to adopt the CI Plan. CI Plan will be disseminated throughout all stakeholders within the company. A set number of different stakeholder groups will meet with each month and information delivered.

#### Calculation:

Labor cost for Project Manager: 0.3 FTE x \$111.25k = \$33k Non-labor cost for employee expenses: 0.3 FTE x \$5k = \$2k

Managing & Tracking Continuous Improvement Opportunities - Manage and systematically track to completion all Continuous Improvement opportunities that are provided to the company by both internal and external sources including contractors and audits. Internal sources include After Action Reports and Quality Management Base Audits. Develop metrics, identify trends and work with stakeholders to improve completion times of continuous improvement opportunities as well as identify pitfalls and other contingencies that delay completion and/or result in repeat offenses.

## Calculation:

Labor cost for Project Manager: 0.3 FTE x \$111.25k = \$33k Non-labor cost for employee expenses: 0.3 FTE x \$5k = \$2k

Field & Office Assessments Data Collection Tool - Project Manager to oversee the data collection tool for field and office assessments to increase efficiency, accuracy, and data sharing capabilities. The data will be gathered and analyzed to identify trends or other insights that will provide information to monitor and enhance internal processes. Evaluate a technology solution that effectively collects data for further analysis.

#### Calculation:

Labor cost for Project Manager: 1 FTE x 126k = 126kNon-labor cost for employee expenses: 1 FTE x 5k = 5k

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type			
	PMO Structure Development and Implementation for Continuous Improvement Safety Projects - FTE support to help achieve SMS goals and optimize processes as well as tracking and metrics for consistent alignment of those projects. The FTE will also provide advisory services in regard to safety to share insight and experience and help facilitate change management.  Calculation:  Labor cost for Project Manager: 0.3 FTE x \$111.25k = \$33k  Non-labor cost for employee expenses: 0.3 FTE x \$5k = \$2k								
2023	33	2	0	35	0.3	1-Sided Adj			
Explanation:	RAMP (CFF6-1): RAMI Framework: FTE support of the ASC and track at meetings. The Advisor advisory role on Safety meets quarterly and repreparedness, as well Calculation:  Labor cost for Project Non-labor cost for emp	ort for Advisory and drive all control y Safety Counce related items. views, in depth, as visiting various.	Safety Countinuous impriil is a counce They advise safety relate us company	cil (ASC) - Assi ovement opport il made up of ex e the COO and ed topics, such facilities.	st with the devi unities that steat sternal experts designated de	velopment and growth em from the ASC , which acts in an elegates. The ASC			

 2023 Total
 516
 166
 0
 682
 4.4

 2024
 258
 13
 0
 271
 2.2
 1-Sided Adj

# Southern California Gas Company 2024 GRC - REVISED

Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT
Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

<u>Year Labor NLbr NSE Total FTE Adj\_Type</u>

#### **Explanation:**

RAMP (CFF6-6): RAMP Incremental; SCG-CFF-6 - Safety Management System – 6 - Expand Quality Assessment Program: SoCalGas plans to expand quality assessments and enhance consistent quality oversight across the Company. SoCalGas intends to add 2.2 FTE positions at a cost of \$271K (\$258k Labor/\$13K Non-Labor) to support this function. The efforts to support this function are as follows:

Quality Assessments Leak Surveys - This quality assessment is intended to verify that company leakage policies and procedures are being performed in accordance with governmental requirements and GS 223.0100, Leak Surveys. This Gas Standard complies with 49 CFR 192.605 (b8) (c4).

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Quality Assessments Inspection of Pipelines on Bridges & Spans - This quality assessment is intended to verify that company leakage policies and procedures are being performed in accordance with governmental requirements and GS 184.12, Inspection of Pipelines on Bridges and Spans. This Gas Standard complies with 49 CFR 192.605 (b8) (c4).

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Quality Assessments Pipeline Patrol & Unstable Earth Inspection - This quality assessment is intended to verify that company leakage policies and procedures are being performed in accordance with governmental requirements and GS 223.0065, Pipeline Patrol and Unstable Earth Inspections. This Gas Standard complies with 49 CFR 192.605 (b8) (c4).

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Quality Assessments - Underground Service Alert & Temporary Marking - This quality assessment is intended to verify that company leakage policies and procedures are being performed in accordance with governmental requirements and GS 184.0200, Underground Service Alert and Temporary Marking. This Gas Standard complies with 49 CFR 192.605 (b8) (c4).

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Quality Management Major Projects Assessments - Continue to expand/evolve a quality management program for Complex Facility projects. This quality assessment is intended to verify that company policies and procedures are being performed in accordance with governmental requirements, all applicable Gas Standards, and awarded contracts.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type	
	Calculation: Labor cost for Project M Non-labor cost for emplo						
2024	225	51	0	276	1.9	1-Sided Adj	

# Southern California Gas Company 2024 GRC - REVISED

Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT
Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

<u>Year Labor NLbr NSE Total FTE Adj\_Type</u>

#### **Explanation:**

RAMP (CFF6-3): RAMP Incremental; SCG-CFF-6 - Safety Management System – 3 – Continuous Improvement and Quality Assurance: SoCalGas plans to expand efforts in supporting its safety feedback mechanisms through enhancements of its processes for gathering and analyzing safety information. The goal is to continue to support a culture that integrates safety into every activity and process with the help of every SoCalGas employee. SoCalGas intends to add 1.9 FTE positions at a cost of \$236K (\$225k Labor/\$11K Non-Labor) plus \$40k for other non-labor costs to support this function. The efforts to support this function are as follows:

Field & Office Assessment Electronic Data Collection Tool - An electronic data collection tool for field and office assessments to increase efficiency, accuracy, and data sharing capabilities. The data will be gathered and analyzed to identify trends or other insights that will provide information to monitor and enhance internal processes. Evaluate a technology solution that effectively collects data for further analysis.

Calculation:

Non-labor: \$40k (Annual subscription cost - \$40k)

Operationalize Continuous Improvement Plan - Execute implementation activities to adopt the CI Plan. CI Plan will be disseminated throughout all stakeholders within the company. A set number of different stakeholder groups will meet with each month and information delivered.

#### Calculation:

Labor cost for Project Manager: 0.3 FTE x \$111.25k = \$33k Non-labor cost for employee expenses: 0.3 FTE x \$5k = \$2k

Managing & Tracking Continuous Improvement Opportunities - Manage and systematically track to completion all Continuous Improvement opportunities that are provided to the company by both internal and external sources including contractors and audits. Internal sources include After Action Reports and Quality Management Base Audits. Develop metrics, identify trends and work with stakeholders to improve completion times of continuous improvement opportunities as well as identify pitfalls and other contingencies that delay completion and/or result in repeat offenses.

## Calculation:

Labor cost for Project Manager: 0.3 FTE x \$111.25k = \$33k Non-labor cost for employee expenses: 0.3 FTE x \$5k = \$2k

Field & Office Assessments Data Collection Tool - Project Manager to oversee the data collection tool for field and office assessments to increase efficiency, accuracy, and data sharing capabilities. The data will be gathered and analyzed to identify trends or other insights that will provide information to monitor and enhance internal processes. Evaluate a technology solution that effectively collects data for further analysis.

Calculation:

Labor cost for Project Manager: 1 FTE x 126k = 126kNon-labor cost for employee expenses: 1 FTE x 5k = 5k

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	FTE	Adj_Type			
	PMO Structure Development and Implementation for Continuous Improvement Safety Projects - FTE support to help achieve SMS goals and optimize processes as well as tracking and metrics for consistent alignment of those projects. The FTE will also provide advisory services in regard to safety to share insight and experience and help facilitate change management.  Calculation:  Labor cost for Project Manager: 0.3 FTE x \$111.25k = \$33k  Non-labor cost for employee expenses: 0.3 FTE x \$5k = \$2k								
2024	33	2	0	35	0.3	1-Sided Adj			
Explanation:	RAMP (CFF6-1): RAMP Framework: FTE support of the ASC and track and meetings. The Advisory advisory role on Safety remeets quarterly and review Preparedness, as well as Calculation: Labor cost for Project Management of Non-labor cost for employed the Samuel Sam	for Advisory I drive all con Safety Counce elated items. ews, in depth s visiting vario	Safety Councitinuous improvoil is a council They advise safety related ous company for the x \$111.25k	I (ASC) - Ass rement oppor made up of e the COO and I topics, such acilities.	ist with the deve tunities that ster xternal experts, designated dele	elopment and growth m from the ASC which acts in an egates. The ASC			
2024 Total	516	66	0	582	4.4				

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

## **Determination of Adjusted-Recorded (Incurred Costs):**

Determination of Aujusteu-	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	200	337	328	363	418
Non-Labor	47	28	8	496	20
NSE	0	0	0	0	0
Total	247	364	337	859	437
FTE	2.1	2.9	2.7	2.8	3.3
djustments (Nominal \$) **					
Labor	437	428	322	350	451
Non-Labor	18	34	36	-473	21
NSE	0	0	0	0	0
Total	455	462	358	-123	472
FTE	4.4	4.5	3.3	3.1	3.9
Recorded-Adjusted (Nomina	al \$)				
Labor	636	765	650	713	869
Non-Labor	65	62	45	23	40
NSE	0	0	0	0	0
Total	701	827	694	736	909
FTE	6.5	7.4	6.0	5.8	7.2
acation & Sick (Nominal \$)					
Labor	108	132	123	126	153
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	108	132	123	126	153
FTE	1.2	1.4	1.2	1.1	1.3
scalation to 2021\$					
Labor	86	76	43	25	0
Non-Labor	8	6	3	2	0
NSE	0	0	0	0	0
Total	94	82	47	27	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Consta	nt 2021\$)				
Labor	830	973	816	864	1,022
Non-Labor	73	67	48	25	40
NSE	0	0	0	0	0
Total	903	1,040	864	889	1,062
FTE	7.7	8.8	7.2	6.9	8.5

<sup>\*</sup> After company-wide exclusions of Non-GRC costs

<sup>\*\*</sup> Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs									
	Years	2017	2018	2019	2020	2021			
Labor		437	428	322	350	451			
Non-Labor		18	34	36	-473	21			
NSE		0	0	0	0	0			
	Total –	455	462	358	-123	472			
FTE		4.4	4.5	3.3	3.1	3.9			

## **Detail of Adjustments to Recorded:**

<u>Year</u>	<u>Labo</u>	<u>r NLbı</u>	NSE NSE	<u>FTE</u>	Adj Type				
2017	0	1	0	0.0	CCTR Transf From 2200-2360.000				
Explanation:	Transferring to Non-Share	d workpaper 2SM0	002.000 where	these activi	ties will be forecasted.				
2017	1	0	0	0.1	CCTR Transf From 2200-2360.000				
Explanation:	Transferring to Non-Share	d workpaper 2SM0	002.000 where	these activi	ties will be forecasted.				
2017	436	18	0	4.3	CCTR Transf From 2200-2360.000				
Explanation:	Transferring to Non-Shared workpaper 2SM002.000 where these activities will be forecasted.								
2017	0	-1	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove cost related to tickets expense for cost center 2200-2530								
2017	0	0	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove cost related to dues expense for cost center 2200-2530								
2017 Total	437	18	0	4.4					
2018	428	34	0	4.5	CCTR Transf From 2200-2360.000				
Explanation:	Transferring to Non-Share	d workpaper 2SM0	002.000 where	these activi	ties will be forecasted.				
2018 Total	428	34	0	4.5					
2019	322	36	0	3.3	CCTR Transf From 2200-2360.000				
Explanation:	Transferring to Non-Share	d workpaper 2SM0	002.000 where	these activi	ties will be forecasted.				
2019 Total	322	36	0	3.3					
2020	0	-489	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	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).								

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

Vacr	Lahau	NII ba	NCE	ETE	A di Tuna
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	Adj Type
2020	0	0	0	0.0	CCTR Transf From 2200-2360.000
Explanation:	Transferring to Non-Shared work	paper 2SM002.0	00 where the	se activities	will be forecasted.
2020	0	0	0	0.1	CCTR Transf From 2200-2360.000
Explanation:	Transferring to Non-Shared work	paper 2SM002.0	00 where the	se activities	will be forecasted.
2020	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs Catastrophic Event Memorandun	•		uested for re	ecovery through a non-GRC
2020	350	19	0	3.0	CCTR Transf From 2200-2360.000
Explanation:	Transferring to Non-Shared work	paper 2SM002.0	00 where the	se activities	will be forecasted.
2020	0	-2	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cost relate	d to dues expen	se for cost ce	nter 2200-20	030
2020 Total	350	-473	0	3.1	
2021	0	0	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs Catastrophic Event Memorandun	•		uested for re	ecovery through a non-GRC
2021	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs Catastrophic Event Memorandun	•		uested for re	ecovery through a non-GRC
2021	8	3	0	0.1	CCTR Transf From 2200-2360.000
Explanation:	Transferring to Non-Shared work	paper 2SM002.0	00 where the	se activities	will be forecasted.
2021	9	0	0	0.1	CCTR Transf From 2200-2360.000
Explanation:	Transferring to Non-Shared work	paper 2SM002.0	00 where the	se activities	will be forecasted.
2021	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related costs Catastrophic Event Memorandum	•		uested for re	ecovery through a non-GRC
2021	434	19	0	3.7	CCTR Transf From 2200-2360.000
Explanation:	Transferring to Non-Shared work	paper 2SM002.0	00 where the	ese activities	will be forecasted.
2021 Total	451	21	0	3.9	

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT
Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

## RAMP Item # 1

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-3 Emergency Preparedness and Response and Pandemic

RAMP Line Item ID: C06

RAMP Line Item Name: After Action Review Program

Tranche(/s): Tranche1: NA

## **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	39	39	39	39	315	385

## **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

## **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT
Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

#### RAMP Item # 2

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 3

RAMP Line Item Name: Continuous Improvement and Quality Assurance

Tranche(/s): Tranche1: NA

## **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	475	475	851	751	1,940	2,349

#### **Cost Estimate Changes from RAMP:**

The GRC forecast for this mitigation is split with several workpapers in my witness area (2SM002, 2SM005 and 2200-2551.000).

### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

## **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT
Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

## RAMP Item #3

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 1

RAMP Line Item Name: SMS Framework

Tranche(/s): Tranche1: NA

## **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	39	39	74	74	782	946

## **Cost Estimate Changes from RAMP:**

The GRC forecast for this mitigation is split with several workpapers in my witness area (2SM000, 2SM002 and 2SM004).

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

## **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: D. CONTINUOUS IMPROVEMENT
Category-Sub: 1. CONTINUOUS IMPROVEMENT

Workpaper: 2SM002.000 - CONTINUOUS IMPROVEMENT

## RAMP Item # 4

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 6

RAMP Line Item Name: Expand Quality Assessment Program

Tranche(/s): Tranche1: NA

## **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	359	359	630	630	113	164

## **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

## **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT

Workpaper: 2SM003.000

## Summary for Category: E. SAFETY MANAGEMENT

		In 2021\$ (000) Inc	urred Costs	
	Adjusted-Recorded		Adjusted-Forecast	
	2021	2022	2023	2024
Labor	1,998	2,097	2,922	3,203
Non-Labor	1,821	1,926	2,006	3,322
NSE	0	0	0	0
Total	3,819	4,023	4,928	6,525
FTE	18.1	19.0	27.3	30.0
Workpapers belonging	to this Category:			
2SM003.000 SAFETY	MANAGEMENT			
Labor	1,998	2,097	2,922	3,203
Non-Labor	1,821	1,926	2,006	3,322
NSE	0	0	0	0
Total	3,819	4,023	4,928	6,525
FTE	18.1	19.0	27.3	30.0

Beginning of Workpaper 2SM003.000 - SAFETY MANAGEMENT

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### **Activity Description:**

Safety Management (SM) is responsible for positioning SoCalGas employees to perform their duties and responsibilities in a safe and productive manner. The services provided by SM include but are not limited to safety and industrial hygiene education and compliance, incident preventing training, incident analysis, and incident reporting.

#### Forecast Explanations:

#### Labor - Base YR Rec

The forecast method developed for this cost category to labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus a greater emphasis on enhancing safety for our employee and contractors through such programs as defensive driving refresher training, industrial hygiene and environmental & safety compliance management. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group which require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### Non-Labor - Base YR Rec

The forecast method developed for this cost category to non-labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus a greater emphasis on enhancing safety for our employee and contractors through such programs as defensive driving refresher training, industrial hygiene and environmental & safety compliance management. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group which require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### **NSE - Base YR Rec**

NSE is not applicable to this workgroup.

#### **Summary of Results:**

In 2021\$ (000) Incurred Costs Adjusted-Recorded Adjusted-Forecast Years 2017 2018 2019 2020 2021 2022 2023 2024 2,108 2,266 2,097 2,922 Labor 1,628 2,064 1,998 3,203 1,679 1,613 1,526 1,848 1,821 1,926 2,006 3,322 Non-Labor NSE 3,306 3,677 3,634 4,114 4,023 4,928 3,818 6,525 Total FTE 13.0 30.0 16.6 17.4 20.7 18.1 19.0 27.3

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

## **Summary of Adjustments to Forecast:**

	In 2021 \$(000) Incurred Costs										
Forecas	t Method	Base Forecast		Forec	Forecast Adjustments			Adjusted-Forecast			
Years	s	2022	2023	2024	2022	2023	2024	2022	2023	2024	
Labor	Base YR Rec	1,998	1,998	1,998	99	924	1,205	2,097	2,922	3,203	
Non-Labor	Base YR Rec	1,821	1,821	1,821	105	185	1,501	1,926	2,006	3,322	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	ıl	3,818	3,818	3,818	204	1,109	2,706	4,022	4,927	6,524	
FTE	Base YR Rec	18.1	18.1	18.1	0.9	9.2	11.9	19.0	27.3	30.0	

## Forecast Adjustment Details:

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u>	Adj Type	
2022	55	103	0	158	0.5	1-Sided Adj	

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

<u>Year Labor NLbr NSE Total FTE Adj\_Type</u>

**Explanation:** 

RAMP (R5-C1): RAMP Incremental (Support Programs); SCG-Risk-5 - Incident Involving an Employee - C1 – Employee Health and Safety Programs and Standardized Policies: SoCalGas plans to continue to support its proactive measures via extensive employee training to prevent a safety incident from occurring. SoCalGas intends to add 0.5 FTE position at a cost of \$58K (\$55k Labor/\$3K Non-Labor) plus \$100k for other non-labor cost to support this function. The efforts to support this function are as follows:

Injury & Illness Prevention Program (IIPP): IIPP is a written plan for preventing injury and illness that includes procedures which are contained within manuals, for managers, supervisors, and employees to assist in establishing and sustaining a safe and healthy work environment. The plan is comprehensive and covers all aspects of employee health and safety requirements and expectations of the workforce.

#### Calculation:

Labor cost for Advisor positions: 0.2 FTE X \$111.25K = \$22k Non-labor cost for employee expenses: 0.2 FTE X \$5K = \$1k

Employee Safety Standards - Additional resources needed for compliance with increasing number of policies and programs being proposed by Cal/OSHA and implemented at SoCalGas. Enhanced client support and a more proactive approach to identifying and addressing safety and health issues. Safety Advisors are responsible for monitoring regulations, creating policies and procedures to match changes in safety and health regulations, developing internal safety policies and procedures to promote compliance with the applicable regulations, and managing Company-wide implementation of safety programs, such as Fall Protection Program, Incident Evaluations and Job Observations.

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Serious Injury and Fatality (SIF) Identification Vendor Support. Exposure Based Safety is the latest evolution that engages safety at the front-line and includes recent advances in SIF identification, leading measures, and identification. SoCalGas will develop a comprehensive approach to managing exposures at the working interface. The first step is to conduct a critical assessment needed to determine the current state of existing programs and data. The second phase is the implementation of the program. Total cost including assessment and implementation is \$100k. This cost will include planning and analysis, project team orientation and tool customization, site readiness/field testing/strategic recommendations, tactical plan, consulting services, license for implementation of EBS.B.S. process, workshops, and sustainability services.

Calculation: Non-labor: \$100k

2022 22 1 0 23 0.2 1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper:	2SM003.000 - SA	AFETY MANAGE	MENT			
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type
Explanation:	C7 - Near Miss, Stop Program - SoCalGas field personnel. Job o behavior-based safety safety and health mai cause of both minor a	the Job and Job maintains a qual bservations and y principles. Soc nagement, focus and serious injurience of at-risk bel e interventions and coaching so the r position: 0.2 FT	site Safety Fity assurance field rides a calGas's jobing on principles. The purphaviors by nationed at deviat their works.	Programs: FTE to be program to as re conducted by observation pro ples that recogn cose of the job of nodifying an indi- eloping safe work of conforms to po	o manage the sesess the work management per gram is a proactive at-risk behabservation and vidual's actions of habits. Employe	quality of many of its personnel based upon ctive approach to aviors as a frequent field ride process is through observation, oyees are also
2022	22	1	0	23	0.2	1-Sided Adj
Explanation:	- C4 - Employee Saftraining and education SoCalGas believes so occurring. SoCalGas to support this function Safety Essentials for for new and existing s	ety Training and its employees the afety starts with particular intends to add 0 in. The effort to supervisors Training supervisors to project to effective for all new super position: 0.2 FT	Awareness o support a proactive up .2 FTE posisupport this ming Program by ide a comy manage s visors and i	Programs: SoC strong Injury an stream measure tion at a cost of function is as fom – This program prehensive under a fety programs is offered as a result.	alGas plans to d Illness Preve es to prevent a \$23K (\$22k La llows: m is a one-day erstanding abou at their respect	ntion Program. safety incident from bor/\$1K Non-Labor) workshop developed ut safety culture and ive work location . This
2022 Total	99	105	0	204	0.9	

Note: Totals may include rounding differences.

580

30

2023

0

610

6.0

1-Sided Adj

SAFETY MANAGEMENT SYSTEMS Area:

Neena N. Master Witness:

E. SAFETY MANAGEMENT Category: 1. SAFETY MANAGEMENT Category-Sub:

Workpaper:	2SM003.000 - SAFE	TY MANAGE	EMENT			
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u>	Adj_Type
Explanation:	RAMP (R5-C5): RAMP In Employee - C5 - Safe Dri Program - The SoCal Gasthem proactively anticipal company drivers from the react accordingly during associated with vehicle in driving.  SoCalGas plan to hire six company drivers full-time this training. To fulfill the classes taught each busi FTE will serve as a backtwo years.  Calculation: Labor cost for Specialist/Non-labor for employee each	iving Program s defensive of te and react to e careless according separate and react challenging separate and of the careless day of the cup instructor  Analyst posit	ns: FTE suppodriving program to numerous ditions of other dituations. The and fuel because receive Driverdon historical raining 6,800 en year. Five and program of the first o	rt for the Defa n teaches em riving hazards rivers, poor r defensive driv se the princip  Trainer™ cer data, approxi mployees pe (5) FTEs will coordinator. T	ensive Driving Folloyees safe tea be. These technic oad and weather ving program alsoles are based of tification and tra- mately 6,800 er r year, we will not be driving instru- the certification	Refresher Training chniques that help ques help protect er conditions, and so minimizes costs on smooth and steady ain our required inployees will need leed to have five (5) actors and one (1)
2023	151	6	0	157	1.2	1-Sided Adj
Explanation:	RAMP (R5-C8): RAMP Ir  - C8 - Safety Culture Pro- employees by investing in practices. SoCalGas into Non-Labor) to support thi  Ergonomics Program - S that communicates inform mitigate the ergonomic ri ergonomics program esp and assessments.  Additional resources will comply with the Cal/OSH employees, and new pro- Motion Injuries (R.M.I.) b can focus on Office Ergo  Calculation: Labor cost for Advisor po Non-labor cost for emplo	ograms: SoC n regular eve ends to add 1 is function. T oCalGas reco nation to ens sks in the wo ecially with th be needed fo IA regulation, grams/techno y adding one nomics.	alGas plans to nts on safety is .2 FTE position. The effort to support the effort to support that adequire that adequire the increase in our this program manage the dology. Enhance ergonomist so	continue to possues and factors at a cost of poport this fundant and feasing a growing remote workpowers, which consistent and so fewer the program of that one can \$151k	oromote a vigilar silitating discuss of \$157K (\$151k ction is as followed to provide a silic solutions are demand on Solaces needing ests of only one expanded workfor to reduce incice.	nt focus among all sion on safety Labor/\$6K vs:  ystematic process e available to help oCal Gas current ergonomic assistance  ergonomist, to rce, new remote office dence of Repetitive
2023	55	3	0	58	0.5	1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Category-Oub.	5, 211 10,									
Workpaper:	2SM003.000 - SAF	2SM003.000 - SAFETY MANAGEMENT								
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type				
Explanation:	RAMP (R5-C1): RAMP - C1 – Employee Health to support its proactive roccurring. SoCalGas in to support this function.  Injury & Illness Preventincludes procedures who assist in establishing comprehensive and covor the workforce.  Calculation: Labor cost for Advisor pon-labor cost for employee Safety Standard policies and programs be support and a more proached and policies and programs be supported and a more proached and policies and programs be supported and a more proached and policies and programs be supported and a more proached and policies and programs be supported and a more proached and policies and programs be supported and a more proached and programs and programs, such a safety programs, such as supported and programs, such as safety programs, such as supported and programs, such as safety programs, such as supported and programs, such as safety programs, such as supported and programs, such as safety programs, such as supported and programs, such as safety programs, such as supported and programs, such as safety programs, such as supported and programs, such as safety programs, such as supported and programs, such as safety programs, such as supported and programs are programs.	and Safety P measures via tends to add ( The efforts to on Program (I ich are contai and sustaining ers all aspect  ositions: 0.2 F oyee expense ards - Addition eing propose active approace for monitorir ealth regulation the applicab	extensive en 0.5 FTE position support this of support this of support this of support this ned within might a safe and sof employed as safe and sof employed the support of to identify the gregulation ons, developible regulation of the support of	Standardized Finployee training tion at a cost of function are as a written plan for anuals, for manahealthy work ende health and sate \$5K = \$22k \$5K = \$1k	Policies: SoCato prevent a s \$58K (\$55k Lafollows: or preventing in agers, supervivironment. The fety requirement inted at SoCaling safety and es and proceed by policies and g Company-w	IGas plans to continue afety incident from abor/\$3K Non-Labor)  Injury and illness that sors, and employees are plan is ents and expectations  Increasing number of IGas. Enhanced client I health issues. Safety dures to match I procedures to ide implementation of				
	Calculation: Labor cost for Advisor p Non-labor cost for empl									
2023					0.0	1-Sided Adi				
Explanation:	RAMP (R5-M4): RAMP Incremental (Enhancing User Experience); SCG-Risk-5 - Incident Involving an Employee – M4 – Creation of a Safety Video Library: SoCal Gas will create a virtual safety video library. The cost driver behind the creation of a virtual safety video library is to have a reliable up to date Cal-OSHA compliant safety resources for training and awareness. The library will be accessible to all employees and will consist of topics that are relevant to work that is being conducted throughout the Company. Videos will provide reliable, accurate, up-to date, compliant safety information. The virtual library will allow the capability to train employees at remote off-site locations. Availability of the safety video library will also provide training flexibility for supervisors conducting training since the library will be accessible 24/7. The cost for the virtual safety video library is \$50,000 a year and includes hiring a 3rd party vendor to provide up to date Cal-OSHA compliant safety videos for various safety topics identified by the Company.  Calculation:  Non-labor cost: \$50k (Video library materials)									
2023	`	•	0	60	0.0	1 Sided Adi				
2023	0	60	U	60	0.0	1-Sided Adj				

SAFETY MANAGEMENT SYSTEMS Area:

Neena N. Master Witness:

E. SAFETY MANAGEMENT Category: 1. SAFETY MANAGEMENT Category-Sub:

Workpaper:	2SM003.000 - SAFE	TY MANAG	EMENT			
<u>Year</u>	Labor	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type
Explanation:	RAMP (R5-M3): RAMP Ir – M3 – Proactive Monitor continue to support safety SoCalGas has adopted a the six large headquarter along with other existing occupational injury rates \$60K (non-Labor) to supp Proactive monitoring for I are needed to conduct th assessments at the six la employees at these key I instances of indoor air qu This causes interruption a proactive approach benefit	ring for Indoor y concerns in new Proactions facilities in and new mit based on the port this fundation Air Quis new Proactions departed in the concernant concernant concerns departed in the concernant concerns departed in the concerns departed i	or Air Quality a raised by emploitive Monitoring its service terigation measure last five year ction. The efformality and Cherotive Monitorinarters facilities bend on health ins or problems by employees	nd Chemicals oyees regarding program to continuous a mitigate sist of the continuous and the continuous and the continuous are quality to shave been micals.	of Concern: So g indoor air quanduct annual lagation measured to reduce So and. So Cal Gas ais function is a sern - Industrial annual Indoor Aterritory. Our of be productive annaged with a result of the series of	oCalGas plans to ality (IAQ). AQ assessments at a. This measure CalGas's a intends to spend as follows: hygiene consultants Air Quality (IAQ) office-based at work. Many past reactive approach.
	Calculation: Non-labor: \$60k (6 Head	guarter loca	tions x \$10k pe	er location)		
2023	22	1	0	23	0.2	1-Sided Adj
Explanation:	RAMP (R5-C7): RAMP In - C7 - Near Miss, Stop the Observation Program - S many of its field personne based upon behavior-based approach to safety and he a frequent cause of both process is to reduce the cobservation, feedback, an also provided feedback and Calculation:	e Job and Joo CalGas madel. Job obsessed safety pealth manageminor and soccurrence and positive in	obsite Safety Faintains a quali rvations and fictinciples. SoCa gement, focusing erious injuries. of at-risk behanterventions ai	Programs: FTE ity assurance peld rides are coalGas's job obsing on principle. The purpose viors by modify med at develo	support to man program to asse- onducted by ma- servation progra- is that recognize of the job obser- ring an individu- ping safe work	nvolving an Employee nage the Job ess the work quality of anagement personnel am is a proactive e at-risk behaviors as rvation and field ride al's actions through habits. Employees are
	Labor cost for Advisor po	sition: 0.2 F	TE X \$111.25k	( = \$22k		

Note: Totals may include rounding differences.

2023

1-Sided Adj

0.1

10

Non-labor cost for employee expenses: 0.1 FTE X \$5K = \$1k

9

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u>	Adj_Type
planation:	RAMP (R7-C1): RAM  – C1 – Contractor Sar commitment to safety Contractor Safety Ove SoCalGas employees SoCalGas intends to this function. The effet Contractor Safety Stat Company Operations applies to SoCalGas Company. The standa contractor safety, requently employees who work inspections, and invest Calculation: Labor cost for Special Non-labor cost for employees who work	fety Oversight: Sofocuses in the ersight consists and contractor add 0.1 FTE poort to support the employees who ard establishes uirements for provide contractors stigations of contractors ist/Analyst: 0.1	SoCalGas pla areas of empl of contractor s are expecte sition at a cos is function is a - SoCalGas h ntractor Safet oversee Clas the policy, soc equalification s, and expecta ntractor safety	ans to continue aloyee safety, cursafety program and to adhere to state of \$10K (\$9k as follows:  The safety program and to adhere to state of \$10K (\$9k as follows:  The safety program. The safety program. The safety program and appropriate of contractors, attions on co	to support its lor stomer safety a policies and pre SoCalGas's con Labor/\$1K Non- ets contractor sage standard is for and subcontract ach used by Soc roles and respo	ngstanding and public safety. Decedures that all amitment to safety. Labor) to support  fety program in the internal use only and ctors on behalf of the CalGas to manage ansibilities for various
2023	85	5	0	90	1.0	1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

<u>Year Labor NLbr NSE Total FTE Adj\_Type</u>

**Explanation:** 

RAMP (R7-C2): RAMP Incremental (Enhancing User Experience); SCG-Risk-7 - Incident Involving a Contractor – C2 – Third-Party Administration Tools: SoCalGas plans to continue to utilize best-in-class third-party tools to manage various aspects of its contractor safety. SoCalGas intends to add 1.0 FTE position at a cost of \$90K (\$85k Labor/\$5K Non-Labor) to support this function. The efforts to support this function are as follows:

ISNetworld -The ISNetworld platform is used to pre-qualify, vet, and monitor Class 1 contractors for safety. ISNetworld is an online contractor and supplier management platform of data-driven products and services that help manage risk through data collected across the contractors' operations nationally. There is an annual subscription costs to utilize the ISN platform. SoCalGas will utilize the Safety Advisor position to manage this program.

#### Calculation:

Labor cost for Specialist/Analyst position: 0.6 FTE X \$85.5K = \$51k Non-labor cost for employee expenses: 0.6 FTE X \$5K = \$3k

Veriforce - SoCalGas utilizes Veriforce® to monitor contractors' compliance with the Pipeline and Hazardous Materials Safety Administration/Department of Transportation (PHMSA/DOT) Drug and Alcohol (D&A) program requirements. Veriforce® delivers a comprehensive solution for D &A compliance, combining software with audit services to help streamline management of the contractor D&A compliance program and drive improvements that mitigate contractor risk. The purpose of utilizing the Veriforce® platform is to streamline Operator Qualification (OQ) program administration and facilitate compliance with PHMSA OQ Rule requirements for Class 1 contractors who work on safety sensitive tasks. Veriforce® delivers a comprehensive solution for DOT/PHMSA OQ Rule compliance that supports OQ processes from end to end, uniting software with audit, consulting, and training services to support the management of SoCalGas's OQ program.

#### Calculation:

Labor cost for Specialist/Analyst position: 0.4 FTE X \$85.5K = \$34k Non-labor cost for employee expenses: 0.4 FTE X \$5.0K = \$2k

2023 22 29 0 51 0.2 1-Sided Adj

# Southern California Gas Company 2024 GRC - REVISED

### Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u>	Adj_Type	

#### **Explanation:**

RAMP (R5-C4): RAMP Incremental (Employee Training); SCG-Risk-5 - Incident Involving an Employee – C4 – Employee Safety Training and Awareness Programs: SoCalGas plans to continue its efforts to training and education its employees to support a strong Injury and Illness Prevention Program. SoCalGas believes safety starts with proactive upstream measures to prevent a safety incident from occurring. SoCalGas intends to add 0.2 FTE position at a cost of \$23K (\$22k Labor/\$1K Non-Labor) plus \$28k for other non-labor costs to support this function. The efforts to support this function are as follows:

Safety Essentials for Supervisors Training Program – This program is a one-day workshop developed for new and existing supervisors to provide a comprehensive understanding about safety culture and leadership for supervisors to effectively manage safety programs at their respective work location. This training is mandatory for all new supervisors and is offered as a refresher to existing supervisors.

#### Calculation:

Labor cost for Advisor position: 0.2 FTE X \$111.25K = \$22k Non-labor cost for employee expenses: 0.2 FTE X \$5K = \$1k

On-line subscription for Safety Training Materials - Subscription to third-party online streaming service provider to get access to the latest safety training materials from a reputable training source. Inclusive of Cal Osha trainings, support for ongoing/continuous meetings.

#### Calculation:

Non-labor: 28k (on-line subscription fee)

2023 Total	924	185	0	1,109	9.2	
2024	580	30	0	610	6.0	1-Sided Adj

#### **Explanation:**

RAMP (R5-C5): RAMP Incremental (Employee Training); SCG-Risk-5 - Incident Involving and Employee - C5 - Safe Driving Program: FTE support for the Defensive Driving Refresher Training Program - The SoCal Gas defensive driving program teaches employees safe techniques that help them proactively anticipate and react to numerous driving hazards. These techniques help protect company drivers from the careless actions of other drivers, poor road and weather conditions, and react accordingly during challenging situations. The defensive driving program also minimizes costs associated with vehicle maintenance and fuel because the principles are based on smooth and steady driving.

SoCalGas plan to hire six (6) FTEs to receive DriverTrainer™ certification and train our required company drivers full-time daily. Based on historical data, approximately 6,800 employees will need this training. To fulfill the demand of training 6,800 employees per year, we will need to have five (5) classes taught each business day of the year. Five (5) FTEs will be driving instructors and one (1) FTE will serve as a back-up instructor and program coordinator. The certification would cost \$9k every two years.

#### Calculation:

Labor cost for Specialist/Analyst position: 6 FTE X \$96.65K = \$580k

Non-labor for employee expenses: 6 FTE X \$5.0K = \$30k

2024 151 6 0 157 1.2 1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type		
Year Explanation:	RAMP (R5-C8): RA-C8 – Safety Cultive mployees by inversitions. SoCalG Non-Labor) to support that communicates mitigate the ergonomics program and assessments.  Additional resource comply with the Calemployees, and needs	AMP Incremental ( ure Programs: Soo sting in regular ev as intends to add port this function.  am - SoCalGas receinformation to en omic risks in the w m especially with  es will be needed to I/OSHA regulation w programs/techr M.I.) by adding on	Support Prog CalGas plans ents on safety 1.2 FTE posit The effort to s cognizes the r sure that ader orkplace. The the increase in or this progra in, manage the cology. Enhal	rams); SCG-Risto continue to possible in continue to possible in continue to possible in continue to continue the continue to continue the continue that is a growing in remote workpossible in continue the consistence the program	sk-5 - Incident Incromote a vigilar discuss of \$157K (\$151k ction is as followed to provide a spole solutions are demand on Solaces needing expanded workfor to reduce incidents.	nvolving an Employee nt focus among all ion on safety Labor/\$6K vs:  ystematic process e available to help Cal Gas current ergonomic assistance		
	Calculation: Labor cost for Advisor positions: 1.2 FTE X \$126K = \$151k Non-labor cost for employee expenses:1.2 FTE X \$5.0K = \$6k							
2024	55	3	0	58	0.5	1-Sided Adj		

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Category-Oub.									
Workpaper:	2SM003.000 - SAFETY MANAGEMENT								
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type			
Explanation:									
	Calculation: Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k								
2024	0	50	0	50	0.0	1-Sided Adj			
Explanation:	RAMP (R5-M4): RAMP Employee – M4 – Crea library. The cost driver date Cal-OSHA complist to all employees and withe Company. Videos wirtual library will allow safety video library will library will be accessible includes hiring a 3rd pasafety topics identified Calculation:  Non-labor cost: \$50k (Non-labor cost: \$50k)	Incremental (I tion of a Safety behind the creant safety resoull consist of to will provide reliate capability the capability the 24/7. The courty vendor to pay the Company	Enhancing U y Video Libra eation of a vir urces for trai pics that are able, accurat o train emplo aining flexibi st for the virt provide up to	ser Experience) iry: SoCal Gas watual safety video ning and awaren relevant to work e, up-to date, co yees at remote lity for superviso ual safety video	; SCG-Risk-5 vill create a virulation of the control of the contro	Incident Involving an actual safety video have a reliable up to carry will be accessible conducted throughout y information. The cons. Availability of the training since the 1000 a year and			
2024		971	0	971	0.0	1-Sided Adj			
ZUZ <del>4</del>	0	9/1	U	9/ 1	0.0	i-Siueu Auj			

# Southern California Gas Company 2024 GRC - REVISED

Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

<u>Year Labor NLbr NSE Total FTE Adj\_Type</u>

**Explanation:** 

RAMP (R5-M2): RAMP Incremental (Support Programs); SCG-Risk-5 - Incident Involving an Employee - M2 - Industrial Hygiene Program Refresh: Industrial Hygiene consulting services are needed to conduct air monitoring exposure assessments to update data and ensure controls are in place to protect employees. Existing data is aging and incomplete in some areas. The air monitoring data is used to make decisions about tasks employees can safely do. It is essential that this data be current and correct as it impacts employee health. Exposure assessments have been conducted for over four decades to establish appropriate mitigation measures and controls and to comply with Cal/ OSHA regulations. Some elements that require updated exposure assessments include lead, chromium, welding training, welding field, asbestos, spray paint, hydrogen sulfide, wildfire smoke, acrolein, benzene, new products, NORMS/Radon, noise, and legionella.

Calculation:

Non-labor: \$971k (Consulting Services)

61

13

2024 **Explanation**:

RAMP (R5-M3): RAMP Incremental (Support Programs); SCG-Risk-5 - Incident Involving an Employee – M3 – Proactive Monitoring for Indoor Air Quality and Chemicals of Concern: SoCalGas plans to continue to support safety concerns raised by employees regarding indoor air quality (IAQ). SoCalGas has adopted a new Proactive Monitoring program to conduct annual IAQ assessments at the six large headquarters facilities in its service territory as a mitigation measure. This measure along with other existing and new mitigation measures is expected to reduce SoCalGas's occupational injury rates based on the last five years' historical trend. SoCalGas intends to add 0.1 FTE position at a cost of \$14K (\$13k Labor/\$1K Non-Labor) plus \$60k for other non-labor costs to support this function. The efforts to support this function are as follows:

74

0.1

1-Sided Adj

Proactive monitoring for Indoor Air Quality and Chemicals of Concern - Industrial hygiene consultants are needed to conduct this new Proactive Monitoring program for annual Indoor Air Quality (IAQ) assessments at the six large headquarters facilities in our service territory. Our office-based employees at these key locations depend on healthy air quality to be productive at work. Many past instances of indoor air quality concerns or problems have been managed with a reactive approach. This causes interruption and concern by employees, and a great deal of time and resources. A proactive approach benefits all involved.

Calculation:

Non-labor: \$60k (6 Headquarter locations x \$10k per location)

Indoor Air Quality & Chemicals of Concern Assessment - SoCalGas treats indoor air quality (IAQ) issues that are raised by employees as safety concerns. Such issues have been addressed in the past at large headquarters facilities, where employees work indoors on a full-time basis. To evaluate and address IAQ concerns, SoCalGas adopted a new Proactive Monitoring program to conduct annual IAQ assessments at the six large headquarters facilities in its service territory. This mitigation measure, in combination with other existing and new mitigation measures, is expected to reduce SoCalGas's occupational injury rates based on the last five years' historical trend.

Calculation:

Labor cost for Advisor position: 0.1 FTE x \$126k = \$13k Non-labor cost for employee expenses: 0.1 FTE x \$5k = \$1k

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

Workpaper:	2SM003.000 - SAFETY MANAGEMENT							
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u>	Adj_Type		
2024	22	1	0	23	0.2	1-Sided Adj		
Explanation:	RAMP (R5-C7): RAMP Incremental (Support Programs); SCG-Risk-5 - Incident Involving an Employee - C7 - Near Miss, Stop the Job and Jobsite Safety Programs: FTE support to manage the Job Observation Program - SoCalGas maintains a quality assurance program to assess the work quality of many of its field personnel. Job observations and field rides are conducted by management personnel based upon behavior-based safety principles. SoCalGas's job observation program is a proactive approach to safety and health management, focusing on principles that recognize at-risk behaviors as a frequent cause of both minor and serious injuries. The purpose of the job observation and field ride process is to reduce the occurrence of at-risk behaviors by modifying an individual's actions through observation, feedback, and positive interventions aimed at developing safe work habits. Employees are also provided feedback and coaching so that their work conforms to policy and procedure.  Calculation:  Labor cost for Advisor position: 0.2 FTE X \$111.25K = \$22k							
2024	86	6	0	92	1.0	1-Sided Adj		

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

<u>Year Labor NLbr NSE Total FTE Adj\_Type</u>

**Explanation:** 

RAMP (R7-C1): RAMP Incremental (Support Programs); SCG-Risk-7 - Incident Involving a Contractor – C1 – Contractor Safety Oversight: SoCalGas plans to continue to support its longstanding commitment to safety focuses in the areas of employee safety, customer safety and public safety. Contractor Safety Oversight consists of contractor safety program policies and procedures that all SoCalGas employees and contractors are expected to adhere to SoCalGas's commitment to safety. SoCalGas intends to add 1.0 FTE positions at a cost of \$92K (\$86k Labor/\$6K Non-Labor) to support this function. The efforts to support this function are as follows:

Contractor Safety Standard Program - SoCalGas has formalized its contractor safety program in the Company Operations Standard – Contractor Safety Program. The standard is for internal use only and applies to SoCalGas employees who oversee Class 1 contractors and subcontractors on behalf of the Company. The standard establishes the policy, scope, and approach used by SoCalGas to manage contractor safety, requirements for prequalification of contractors, roles and responsibilities for various employees who work with contractors, and expectations on contractor oversight, periodic safety inspections, and investigations of contractor safety incidents.

#### Calculation:

Labor cost for Specialist/Analyst: 0.1 FTE X \$85.5K = \$9k Non-labor cost for employee expenses: 0.1 FTE X \$5K = \$1k

Contractor Safety Manual - Contractor Safety Manual for Class 1 Contractors: In 2017, SoCalGas issued a contractor safety manual for use by all SoCalGas approved Pipeline Construction Contractors and their subcontractors. This manual consolidated in one place all the safety requirements and expectations SoCalGas has established for contractors working for SoCalGas. The manual provides guidelines on the process to be followed in managing safety construction projects, including reviewing applicable compliance requirements, providing appropriate oversight on contractor work, and reporting safety incidents.

#### Calculation:

Labor cost for Specialist/Analyst positions: 1.0 FTE X \$85.5K = \$86k Non-labor cost for employee expenses: 1.0 FTE X \$5K = \$5k

2024 139 14 0 153 1.1 1-Sided Adj

#### **Explanation:**

RAMP (R5-M6): RAMP Incremental (Support Programs); SCG-Risk-5 - Incident Involving an Employee - M6 - Industrial Hygiene Program Expansion: FTE support for managing the Industrial Hygiene Program - The Industrial Hygiene team will add two new initiatives, NIOSH Total Worker Health® and real-time Air Quality Index (AQI) monitoring for Wildfire Smoke Protection. Each of these programs includes developing policies and practices that integrate protection from work-related safety and health hazards and promotion of injury and illness-prevention efforts to advance worker well-being. The Wildfire Smoke Protection compliance includes data collection/management, smoke monitors and technical support to Facilities.

#### Calculation:

Labor cost for Advisor position: 1.1 FTE X \$126K = \$139k

Non-labor cost for employee expenses: 1.1 FTE X \$5.0K = \$6k; Other non-labor expenses: 32 smoke

monitors x \$250 = 8k

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u>	Adj_Type	
2024	137	8	0	145	1.6	1-Sided Adj	

#### **Explanation:**

RAMP (R7-C2): RAMP Incremental (Enhancing User Experience); SCG-Risk-7 - Incident Involving a Contractor – C2 – Third-Party Administration Tools: SoCalGas plans to continue to utilize best-in-class third-party tools to manage various aspects of its contractor safety. SoCalGas intends to add 1.6 FTE positions at a cost of \$145K (\$137k Labor/\$8K Non-Labor) to support this function. The efforts to support this function are as follows:

ISNetworld -The ISNetworld platform is used to pre-qualify, vet, and monitor Class 1 contractors for safety. ISNetworld is an online contractor and supplier management platform of data-driven products and services that help manage risk through data collected across the contractors' operations nationally. There is an annual subscription costs to utilize the ISN platform. SoCalGas will utilize the Safety Advisor position to manage this program.

#### Calculation:

Labor cost for Specialist/Analyst position: 1.2 FTE X \$85.5K = \$103k Non-labor cost for employee expenses: 1.2 FTE X \$5K = \$6k

Veriforce - SoCalGas utilizes Veriforce® to monitor contractors' compliance with the Pipeline and Hazardous Materials Safety Administration/Department of Transportation (PHMSA/DOT) Drug and Alcohol (D&A) program requirements. Veriforce® delivers a comprehensive solution for D&A compliance, combining software with audit services to help streamline management of the contractor D&A compliance program and drive improvements that mitigate contractor risk. SoCalGas will utilize the Safety Advisor position to manage this program.

#### Calculation:

Labor cost for Specialist/Analyst position: 0.4 FTE X \$85.5K = \$34k Non-labor cost for employee expenses: 0.4 FTE X \$5.0K = \$2k

2024 0 350 0 350 0.0 1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u>	<u>Adj_Type</u>	

#### **Explanation:**

RAMP (R5-C3): RAMP Incremental (Support Programs); SCG-Risk-5 - Incident Involving an Employee – C3 – Employee Wellness Programs: Occupational Health Nurse Program - The drivers for adding additional Occupational Health Nurse (OHN) services include the scarcity of industrial clinics in remote areas such as the Bakersfield area and an increase request for OHN services in higher employee populated Company sites such as Monterey Park and Pico Rivera. The Company would like to expand the program to provide OHN support services at Bakersfield Base as well as the SCG.C.G. Monterey Park and Pico Rivera training sites. SoCalGas does not have an OHN supporting the northernmost service territory which includes Bakersfield, Visalia, Porterville, Valencia and Hanford bases.

SoCalGas would also like to add an additional shared OHN for Monterey Park and the Pico Rivera site. The closest OHN active site to these two sites is Compton HQ which is 13 miles away. Having closer access to an OHN would be beneficial for injury care and injury management. Pico Rivera houses on average 430 employees and with the approval and construction of the new Gas Control building, the sites capacity will increase to an additional 200 employees. Pico Rivera is a training hub, physical activities that take place during training have a high potential for harm and minor injuries. Monterey Park houses on average 350 employees and with current site renovations and improvements the capacity will also increase by an additional 200 employees. Between these Pico Rivera and Monterey Park there are 1,150 employees.

Calculation:

Non-labor: \$350k (2 Occupational Health Nurses)

2024 Explanation:

22

1

0

23

0.2

1-Sided Adj

RAMP (R5-C4): RAMP Incremental (Employee Training); SCG-Risk-5 - Incident Involving an Employee – C4 – Employee Safety Training and Awareness Programs: SoCalGas plans to continue its efforts to training and education its employees to support a strong Injury and Illness Prevention Program. SoCalGas believes safety starts with proactive upstream measures to prevent a safety incident from occurring. SoCalGas will also enhance its safety training department by centralizing the training responsibility under one full-time position. SoCalGas intends to add 0.2 FTE positions at a cost of \$23K (\$22k Labor/\$1K Non-Labor) to support this function. The efforts to support this function is as follows:

Safety Essentials for Supervisors Training Program – This program is a one-day workshop developed for new and existing supervisors to provide a comprehensive understanding about safety culture and leadership for supervisors to effectively manage safety programs at their respective work location. This training is mandatory for all new supervisors and is offered as a refresher to existing supervisors.

Calculation:

Labor cost for Advisor position: 0.2 FTE X \$111.25K = \$22k Non-labor cost for employee expenses: 0.2 FTE X \$5K = \$1k

2024 Total 1,205 1,501 0 2,706 11.9

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

### **Determination of Adjusted-Recorded (Incurred Costs):**

•	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	1,409	1,622	1,678	1,872	1,926
Non-Labor	1,518	1,673	1,475	4,934	2,957
NSE	0	0	0	0	0
Total	2,927	3,295	3,153	6,807	4,883
FTE	12.4	14.2	14.6	17.4	17.2
djustments (Nominal \$) **	<b>k</b>				
Labor	-161	0	0	-2	-228
Non-Labor	-27	-194	-52	-3,217	-1,136
NSE	0	0	0	0	0
Total	-188	-194	-52	-3,219	-1,365
FTE	-1.4	0.0	0.0	-0.1	-1.9
Recorded-Adjusted (Nomin	nal \$)				
Labor	1,248	1,622	1,678	1,871	1,698
Non-Labor	1,492	1,479	1,423	1,717	1,821
NSE	0	0	0	0	0
Total	2,740	3,101	3,101	3,588	3,519
FTE	11.0	14.1	14.6	17.3	15.3
acation & Sick (Nominal \$	5)				
Labor	212	279	318	330	300
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	212	279	318	330	300
FTE	2.0	2.5	2.8	3.4	2.8
scalation to 2021\$					
Labor	168	162	112	65	0
Non-Labor	187	134	103	131	0
NSE	0	0	0	0	0
Total	355	296	214	197	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	ant 2021\$)				
Labor	1,628	2,064	2,108	2,266	1,998
Non-Labor	1,679	1,613	1,526	1,848	1,821
NSE	0	0	0	0	0
Total	3,306	3,677	3,634	4,114	3,818
FTE	13.0	16.6	17.4	20.7	18.1

<sup>\*</sup> After company-wide exclusions of Non-GRC costs

<sup>\*\*</sup> Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

### Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs						
	Years	2017	2018	2019	2020	2021
Labor		-161	0	0	-2	-228
Non-Labor		-27	-194	-52	-3,217	-1,136
NSE		0	0	0	0	0
	Total –	-188	-194	-52	-3,219	-1,365
FTE		-1.4	0.0	0.0	-0.1	-1.9

## Detail of Adjustments to Recorded:

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	Adj Type
2017	-161	-22	0	-1.4	CCTR Transf To 2200-2270.000
Explanation:	Transfer from 2SM003.000 to	2SM001.000 to con	solidate Eme	ergency Mar	agement activities.
2017	0	-1	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cost rela	ated to dues expens	se for cost ce	nter 2200-2	157
2017	0	-3	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cost rela	ated to dues expens	se for cost ce	nter 2200-2	267
2017 Total	-161	-27	0	-1.4	
2018	0	-7	0	0.0	1-Sided Adj
Explanation:	Incremental costs that are anti Memorandum Account (CEMA	•	sted for reco	very through	n a non-GRC Catastrophic Event
2018	0	-177	0	0.0	1-Sided Adj
Explanation:	Incremental costs that are anti Memorandum Account (CEMA	•	sted for reco	very through	n a non-GRC Catastrophic Event
2018	0	-8	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cost rela	ated to dues expens	se for cost ce	nter 2200-2	157
2018	0	-2	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cost rela	ated to dues expens	se for cost ce	nter 2200-2	267
2018 Total	0	-194	0	0.0	
2019	0	-64	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cost rela	ated to dues expens	se for 2200-2	157	
2019	0	-2	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cost rela	ated to dues expens	se for cost ce	nter 2200-2	267
2019	0	15	0	0.0	1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

<u>Year</u>	Labor	NLbr	NSE	FTE	Adj Type
Explanation:	Transfer non-labor expense to t				
2019 Total	0	-52	0	0.0	
2020	-2	-6	0	-0.1	1-Sided Adj
Explanation:	Incremental COVID-related cos Catastrophic Event Memorandu	•		uested for re	ecovery through a non-GRC
2020	0	0	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related cos Catastrophic Event Memorandu	•		uested for re	ecovery through a non-GRC
2020	0	-2,855	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related cos Catastrophic Event Memorandu	•		uested for re	ecovery through a non-GRC
2020	0	-349	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related cos Catastrophic Event Memorandu	•		uested for re	ecovery through a non-GRC
2020	0	-5	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cost rela	ted to dues expense	e for cost ce	enter 2200-20	036
2020	0	-1	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cost rela	•	e for cost ce	enter 2200-21	157
2020	0	-2	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cost rela	•			267
2020 Total	-2	-3,217	0	-0.1	
2021	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related cos Catastrophic Event Memorandu	•		uested for re	ecovery through a non-GRC
2021	0	0	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related cos Catastrophic Event Memorandu	•		uested for re	ecovery through a non-GRC
2021	0	-1,098	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related cos Catastrophic Event Memorandu	•		uested for re	ecovery through a non-GRC
2021	0	-1	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related cos Catastrophic Event Memorandu	•		uested for re	ecovery through a non-GRC
2021	0	-25	0	0.0	1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	FTE	Adj Type
Explanation:	Incremental COVID-related Catastrophic Event Memor		•	e requested for	or recovery through a non-GRC
2021	-228	-3	0	-1.9	CCTR Transf To 2200-2270.000
Explanation:	Transfer from 2SM003.000	) to 2SM001.000 to	consolidate	Emergency N	Management activities.
2021	0	-5	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cos	t related to dues ex	pense		
2021	0	-1	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cos	t related to dues ex	pense		
2021	0	-3	0	0.0	1-Sided Adj
Explanation:	Adjustment to remove cos	related to dues ex	pense		
2021 Total	-228	-1,136	0	-1.9	

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

## RAMP Item # 1

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: C01

RAMP Line Item Name: Employee Health and Safety Programs and Standardized Policies

Tranche(/s): Tranche1: Overall

#### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost (2021 \$)	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	875	1,033	933	933	838	1,015

### **Cost Estimate Changes from RAMP:**

The GRC forecast for this mitigation is split with another witness (HR: SCG-28) and fall within the RAMP range.

GRC Work Unit/Activity	Level Estimates					
Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	18.00	18.50	18.50	20.30	17.00	21.00
	D.4.4.D					

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

Diale	C	Efficiency	(DCE)
KISK	Spena	ETTICIENCY	(KSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

### **RSE Changes from RAMP:**

An RSE was not calculated for this activity.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item # 2

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: C08

RAMP Line Item Name: Safety Culture Programs

Tranche(/s): Tranche1: Overall

#### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost (2021 \$)	2022	2023	2024	2024 RAMP Range	
		Forecast (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	(2020 Inc	urred \$) High
Tranche 1 Cost Estimate	( - , , ,	495	652	652	814	977

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	18.00	18.10	19.60	20.60	17.00	21.00

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	11.000	7.000

#### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item #3

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: C07

RAMP Line Item Name: Near Miss, Stop the Job and Jobsite Safety Program

Tranche(/s): Tranche1: Overall

#### **GRC Forecast Cost Estimates (\$000)**

					2024	1
	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024	RAMP Range (2020 Incurred \$)	
				Forecast		
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	304	327	327	327	416	504

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	18.00	18.20	18.20	18.20	17.00	21.00

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	47.000	41.000	

### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item #4

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: M03

RAMP Line Item Name: Proactive monitoring for indoor air quality and chemicals of concern

Tranche(/s): Tranche1: Non-Vehicle

# GRC Forecast Cost Estimates (\$000)

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Ra (2020 Incu	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	0	0	60	74	59	78

## Cost Estimate Changes from RAMP:

GRC forecast fall within the RAMP range.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 Assessments	0.00	0.00	6.00	6.00	6.00	8.00

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	10.000	17.000	

### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item # 5

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: C05

RAMP Line Item Name: Safe Driving Programs

Tranche(/s): Tranche1: Vehicle

### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost (2021 \$)		2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
					Low	High
Tranche 1 Cost Estimate	304	304	914	914	1,120	1,356

#### **Cost Estimate Changes from RAMP:**

GRC is outside RAMP range due to being one of several workpapers and/or witness areas that contributed dollars to this mitigation.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	18.00	18.00	24.00	24.00	17.00	21.00

#### Work Unit Changes from RAMP:

GRC forecast is outside the RAMP range due to a forecast update.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMPRSE
Tranche 1	19.000	11.000

### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item # 6

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-7 Incident Involving a Contractor

RAMP Line Item ID: C02

RAMP Line Item Name: Third Party Administration Tools

Tranche(/s): Tranche1: Non-Vehicle

### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	188	188	278	333	47	57

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 License	3.00	3.00	3.00	3.00	3.00	3.00

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	14.000	182.000

#### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item #7

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: C04

RAMP Line Item Name: Employee Safety Training and awareness programs

Tranche(/s): Tranche1: Overall

#### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical	2022	2023	2024	2024 RAMP Range	
	Embedded Cost (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	(2020 Inc	urred \$) High
Tranche 1 Cost Estimate	685	708	736	708	416	504

#### **Cost Estimate Changes from RAMP:**

The GRC forecast for this mitigation is split with another witness (HR: SCG-28).

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	18.00	18.20	18.20	20.20	17.00	21.00

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	29.000	43.000	

#### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item #8

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-7 Incident Involving a Contractor

RAMP Line Item ID: C01

RAMP Line Item Name: Contractor Safety Oversight

Tranche(/s): Tranche1: Overall

#### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP R (2020 Inc.)	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	188	188	198	280	1,586	1,920

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	2.00	2.10	2.10	3.40	2.00	2.00

## Work Unit Changes from RAMP:

GRC forecast is outside the RAMP range due to a forecast update.

### Risk Spend Efficiency (RSE)

GRC RSE		RAMP RSE		
Tranche 1	71.000	11.000		

### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

### RAMP Item # 9

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: C06

RAMP Line Item Name: Personal Protection Equipment (PPE)

Tranche(/s): Tranche1: Non-Vehicle Incident

#### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical	2022	2023	2024	2024 RAMP Range	
	Embedded Cost	Forecast	Forecast	Forecast	(2020 Inci	.,
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	304	304	304	304	1,082	1,309

#### **Cost Estimate Changes from RAMP:**

GRC is outside RAMP range due to being one of several workpapers and/or witness areas that contributed dollars to this mitigation.

	2021 Historical	2022	2023	2024	2024 RA	MP
Unit of	Embedded	Forecast	Forecast	Forecast	Range Act	ivities
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	18.00	18.00	18.00	18.00	17.00	21.00

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

### **RSE Changes from RAMP:**

An RSE was not calculated for this activity.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item # 10

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: C09

RAMP Line Item Name: Utilizing Industry Best Practices and Benchmarking

Tranche(/s): Tranche1: Overall

#### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	191	191	191	191	1,012	1,225

#### **Cost Estimate Changes from RAMP:**

GRC is outside RAMP range due to being one of several workpapers and/or witness areas that contributed dollars to this mitigation.

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	18.00	18.00	18.00	18.00	17.00	21.00

**RAMP RSE** 

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

#### Risk Spend Efficiency (RSE)

Tranche 1 5.000 5.000

**GRC RSE** 

### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

## RAMP Item # 11

### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: M01

SCG-03/SDG&E-03, Chapter 2)

RAMP Line Item Name: OSHA Construction Certification Training

Tranche(/s): Tranche1: Non-Vehicle Incident

GRC Forecast Cost Estima	ites (\$000)					
	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP R: (2020 Inc.)	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	0	0	0	0	0	0
Cost Estimate Changes fro GRC forecast fall within the						

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 Attendees	0.00	0.00	0.00	0.00	50.00	65.00

Risk Spend Efficiency (RSE)		
	GRC RSE	RAMP RSE
Tranche 1	0.000	33.000
RSE Changes from RAMP:		
<u> </u>	r RSE values are primarily due to change Integration testimony of R. Scott Pearso	•

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item # 12

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-7 Incident Involving a Contractor

RAMP Line Item ID: C03

RAMP Line Item Name: Contractor Engagement

Tranche(/s): Tranche1: Overall

### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	94	94	94	94	10	13

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 Events	5.00	5.00	5.00	5.00	5.00	5.00

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

#### Risk Spend Efficiency (RSE)

	ONO NOL	IVAIIII IVOL
Tranche 1	25.000	202.000

**RAMP RSF** 

#### **RSE Changes from RAMP:**

General changes to risks scores or RSE values are primarily due to changes in the MAVF and RSE methodology, as discussed in the RAMP to GRC Integration testimony of R. Scott Pearson and Gregory S. Flores (Ex. SCG-03/SDG&E-03, Chapter 2)

GRC RSE

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item # 13

### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: M02

RAMP Line Item Name: Industrial Hygiene Program Refresh

Tranche(/s): Tranche1: Non-Vehicle

#### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP R (2020 Inc	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	0	0	0	971	961	1,262

### **Cost Estimate Changes from RAMP:**

GRC forecast fall within the RAMP range.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	0.00	0.00	0.00	0.00	19.00	25.00

#### Work Unit Changes from RAMP:

GRC forecast is outside the RAMP range due to a forecast update. The plan is to use consultants.

### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.340	0.400	

### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item # 14

## **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: M06

Tranche 1 Cost Estimate

RAMP Line Item Name: Industrial Hygiene Program Expansion

Tranche(/s): Tranche1: Non-Vehicle

GRC Forecast Cost Estimates (\$000)		
2021 Historical	2022	20

2024 2023 2024 **RAMP Range** 2021 Historical 2022 **Embedded Cost Forecast Forecast** (2020 Incurred \$) **Forecast** (2021 \$)(2021 \$)(2021 \$)(2021 \$)Low High 149 195 0 0 0 153

Cost Estimate Changes from RAMP: GRC forecast fall within RAMP range.

**GRC Work Unit/Activity Level Estimates** 

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	0.00	0.00	0.00	1.50	2.00	3.00

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	45.000	60.000	

#### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item # 15

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: M04

RAMP Line Item Name: Creation of a Safety Video Library

Tranche(/s): Tranche1: Overall

<u>GRC</u>	<u>Forecast</u>	Cost Estimates (	<u> \$000)</u>

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Ra (2020 Incu	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	0	0	50	50	50	65

## Cost Estimate Changes from RAMP:

GRC forecast fall withing RAMP range.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	0.00	0.00	0.00	0.00	1.00	1.00

#### Work Unit Changes from RAMP:

GRC forecast is outside the RAMP range due to a forecast update.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	25.000	22.000

#### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: E. SAFETY MANAGEMENT
Category-Sub: 1. SAFETY MANAGEMENT

Workpaper: 2SM003.000 - SAFETY MANAGEMENT

#### RAMP Item # 16

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: C03

RAMP Line Item Name: Employee Wellness Programs

Tranche(/s): Tranche1: Overall

#### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical	2022		2024	2024 RAMP Range (2020 Incurred \$)	
	Embedded Cost (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	Low	urrea \$) High
Tranche 1 Cost Estimate	191	191	191	541	2,516	3,045

### **Cost Estimate Changes from RAMP:**

The GRC forecast for this mitigation is split with another witness (HR: SCG-28)

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	6.00	6.00	6.00	6.00	6.00	7.00

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	5.000	2.000	

#### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES

Workpaper: 2SM001.000

## Summary for Category: F. EMERGENCY SERVICES

	In 2021\$ (000) Incurred Costs			
	Adjusted-Recorded		Adjusted-Forecast	
	2021	2022	2023	2024
Labor	1,620	2,195	2,547	2,547
Non-Labor	387	566	481	481
NSE	0	0	0	0
Total	2,007	2,761	3,028	3,028
FTE	14.9	20.7	23.7	23.7
Workpapers belonging	to this Category:			
2SM001.000 EMERG	ENCY SERVICES			
Labor	1,620	2,195	2,547	2,547
Non-Labor	387	566	481	481
NSE	0	0	0	0
Total	2,007	2,761	3,028	3,028
FTE	14.9	20.7	23.7	23.7

Beginning of Workpaper 2SM001.000 - EMERGENCY SERVICES

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

#### **Activity Description:**

The activities completed within this workgroup is dedicated to support the business operations with first responder outreach and emergency response, preparedness and recovery. The activities focus in the area of Emergency Response Training, Emergency Response Exercises and Drills, Stakeholder Outreach, Incident Command System, Mutual Assistance, Crisis Communications Technologies, Watch Desk, and Expert Advisory Services.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

The forecast method developed for this cost category to labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus a greater emphasis on expanding our emergency response/management planning processes. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group which require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### Non-Labor - Base YR Rec

The forecast method developed for this cost category to non-labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus a greater emphasis on expanding our emergency response/management planning processes. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group which require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

### **NSE - Base YR Rec**

NSE is not applicable to this workgroup.

#### **Summary of Results:**

				ln 2021\$ (00	0) Incurred (	Costs		
		Adju	ısted-Recor		Ad	justed-Fore	cast	
Years	2017	2018	2019	2020	2021	2022	2023	2024
Labor	1,748	1,454	1,268	1,193	1,620	2,195	2,547	2,547
Non-Labor	335	829	1,470	628	387	565	480	480
NSE	0	0	0	0	0	0	0	0
Total	2,083	2,282	2,739	1,821	2,007	2,760	3,027	3,027
FTE	12.8	10.6	10.8	12.4	14.9	20.7	23.7	23.7

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

#### **Summary of Adjustments to Forecast:**

	In 2021 \$(000) Incurred Costs											
Forecast	t Method	Base Forecast Forecast Adjustments			Adjus	ted-Forec	ast					
Years	5	2022	2023	2024	2022	2023	2024	2022	2023	2024		
Labor	Base YR Rec	1,620	1,620	1,620	575	927	927	2,195	2,547	2,547		
Non-Labor	Base YR Rec	387	387	387	179	94	94	566	481	481		
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0		
Tota	ıl	2,007	2,007	2,007	754	1,021	1,021	2,761	3,028	3,028		
FTE	Base YR Rec	14.9	14.9	14.9	5.8	8.8	8.8	20.7	23.7	23.7		

#### **Forecast Adjustment Details:**

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj Type	
2022	483	25	0	508	5.0	1-Sided Adj	
Explanation:	RAMP (CFF3-8): RAMP	Incremental;	SCG-CFF-3 -	Emergency F	Preparedness a	and Response and	

RAMP (CFF3-8): RAMP Incremental; SCG-CFF-3 - Emergency Preparedness and Response and Pandemic - 8 - Watch Desk: Five FTE to support 24/7 Watch Office - SoCalGas has established a daily Watch Desk that provides real-time data to increase situational awareness of hazards, create executive notifications, and provide predictive analytics capabilities to help anticipate where a future disruption may arise. This capability has enhanced response capability and allows SoCalGas to address potential risks before they happen and take a forward-leaning posture for our emergency response.

Calculation:

Labor cost for Specialist/Analyst positions: 5 FTE x \$96.65k = \$483k

Non-labor cost for employee expenses: 5 FTE x \$5k = \$25k

2022 0 150 0 150 0.0 1-Sided Adj

**Explanation:** RAMP (CFF3-3): RAMP Incremental; SCG-CFF-3 - Emergency Preparedness and Response and Pandemic - 3 - Stakeholder Outreach: Development of safety training video for First Responders Gas Related Safety Training Program- This program would provide safety and basic operational information

about gas and SoCalGas' facilities as they relate to First Responder operations and activities.

Calculation:

Non-labor cost: \$150k (Safety training video development cost)

2022 92 4 0 96 0.8 1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type
xplanation:	Other: 2 FTE to support Regulatory Planning. S Safety Management Sys and consulting with impa	r. Business Ana stems team.  Th	llysts will be lie Sr. Busine	acting in the re	ole of Financia	l Planner for the
	Calculation: Labor cost for Business Non-labor cost for emplo (Note: Labor & non-labor	oyee expense: (	).8 FTE X \$5	K = \$4k		e 2021 Base Year)
	Labor cost for Business	Planner position	n (2): No inc	emental cost	for this year.	
2022 Total	l 575	179	0	754	5.8	
2023	483	25	0	508	5.0	1-Sided Adj
	Pandemic - 8 - Watch D daily Watch Desk that presentive notifications, a disruption may arise.	rovides real-time and provide pred	e data to inc dictive analy	rease situation ics capabilitie	nal awareness s to help antic	of hazards, create ipate where a future
	daily Watch Desk that p	rovides real-time and provide prec his capability ha pefore they happ t/Analyst position	e data to inc dictive analy is enhanced ben and take	ease situationics capabilitie response cap a forward-lea	nal awareness s to help antic ability and allo ning posture f	of hazards, create ipate where a future ws SoCalGas to
2023 xplanation:	daily Watch Desk that preserved in the continuous continuous and continuous c	rovides real-time and provide prec his capability ha pefore they happ t/Analyst position byee expenses:	e data to inc dictive analy is enhanced ben and take ns: 5 FTE x \$5k 0	rease situation ics capabilitie response cap a forward-lea \$96.65k = \$48 = \$25k	nal awareness s to help antic ability and allo ning posture f 3k	of hazards, create ipate where a future was SoCalGas to or our emergency

Note: Totals may include rounding differences.

111

5

2023

0

116

1.0

1-Sided Adj

# Southern California Gas Company 2024 GRC - REVISED

## Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

vvorkpaper.	201110011000	LIVILI (OLI						
<u>Year</u>	<u>Labor</u>	r <u>NI</u>	Lbr NS	<u>E</u>	<u>Total</u>	<u>FTE</u>	Adj_Type	
Explanation:	RAMP (CFF3-3): Pandemic - 3 - Sta Program - This pro SoCalGas' facilities Calculation: Labor cost for Pro Non-labor cost for	akeholder Ou ogram would es as they re ject Manage	utreach: FTE : I provide safet late to First Re r position: 1 F	support for y and bas esponder o	First Respondic operational ir operations and some k = \$111k	ers Gas Relate Iformation abo	ed Safety Training	
2023	222		9	0	231	1.8	1-Sided Adj	
Explanation:	Other: 2 FTE to so Regulatory Planni Safety Manageme and consulting with Calculation: Labor cost for Bus Non-labor	ng. Sr. Busi ent Systems th impacted s siness Plann employee e in-labor adjus	iness Analysts team. The Sr stakeholders. er position (1) expense: 0.8 F sted to reflect st position (2):	will be ac. Business: (0.8 FTE TE X \$5K FTE starti	ting in the role of Analysts will be a \$115k) = \$92 = \$4k   ang employment \$126k = \$126k	of Financial Pl e leading data k	anner for the gathering efforts	
2023			50	0		0.0	1-Sided Adj	
Explanation:	RAMP (CFF3-7): RAMP Incremental - SCG-CFF-3 - Emergency Preparedness and Response and Pandemic - 7: Crisis Communication Technologies - SoCal Gas recognizes that communications during a crisis are critical to organizing, establishing priorities and sharing information to key stakeholders. Current capabilities include technology for Mobile Command Trailers and a Satellite Communication Program.  The Mobile Command Trailer is a specialized trailer that can be deployed to and stationed at the scene of an emergency for several days. It can be used as an Incident Command Post (ICP) to facilitate communication between response crews, command staff and external agencies and provide support to our frontline employees during a major event. SoCalGas currently has three Mobile Command Trailers. SoCalGas plan to provide on-going maintenance for these trailers through a third-party vendor in order to maintain readiness in case of an unforseen emergency.  Calculation:  Non-labor: \$50k (Emergency Response Command Center Trailer maintenance - 3 trailers @ \$15k/year plus \$5k for miscellaneous repairs)							
2023 Total	927		94	0	1,021	8.8		
2024	483		25	0	508	5.0	1-Sided Adj	
<b>-</b> -·	.30		-	-			···	

## Southern California Gas Company 2024 GRC - REVISED

## Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper:	2SM001.000 - EMEF	RGENCY SER	RVICES							
<u>Year</u>	Labor	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type				
Explanation:	RAMP (CFF3-8): RAMP Incremental; SCG-CFF-3 - Emergency Preparedness and Response and Pandemic - 8 - Watch Desk: Five FTE to support 24/7 Watch Office - SoCalGas has established a daily Watch Desk that provides real-time data to increase situational awareness of hazards, create executive notifications, and provide predictive analytics capabilities to help anticipate where a future disruption may arise. This capability has enhanced response capability and allows SoCalGas to address potential risks before they happen and take a forward-leaning posture for our emergency response.  Calculation:  Labor cost for Specialist/Analyst positions: 5 FTE x \$96.65k = \$483k  Non-labor cost for employee expenses: 5 FTE x \$5k = \$25k									
2024	111	5	0	116	1.0	1-Sided Adj				
Explanation:	RAMP (CFF3-2): RAMP I Pandemic - 2 - Training E SoCal Gas is developing trainings. ICS response s facilitating such activities certifications. A training te structure exercises. Calculation: Labor cost for Advisor po Non-labor cost for employ	exercises and an implement structure train. There will also cam will also can will be will b	Drills: FTE so tation strategy ings and exercise be the roll-develop exercise X \$111.25k	upport for ICS  //curriculum the cises will inche out of web-basise scenario/	Response Strunat will lead ICS ude expert instructions of the control of the cont	ucture Training - S response structure ructors leading and r trainings and				
2024	111	5	0	116	1.0	1-Sided Adj				
Explanation:	RAMP (CFF3-3): RAMP   Pandemic - 3 - Stakehold Program - This program v SoCalGas' facilities as th  Calculation: Labor cost for Project Ma Non-labor cost for employ	er Outreach: would provide ey relate to Fi nager positior	FTE support safety and barst Responde	for First Resp asic operation r operations a 11k = \$111k	onders Gas Re al information a	elated Safety Training				
2024	222	9	0	231	1.8	1-Sided Adj				
Explanation:	Other: 2 FTE to support to Regulatory Planning. Sr. Safety Management Syst and consulting with impact Calculation: Labor cost for Business F Non-labor cost for employ (Note: Labor & non-labor Labor cost for Business A	Business And lems team. The cted stakehold Planner position yee expense: adjusted to re	alysts will be the Sr. Busineders.  on (1): (0.8 FT 0.8 FTE X \$5 effect FTE starn (2): 1 FTE :	acting in the ress Analysts w  TE x \$115k) =  K = \$4k  rting employn  x \$126k = \$12	ole of Financial ill be leading d \$92k nent during the	Planner for the ata gathering efforts				
Note: Tatala	Non-labor cost for employ	-	: 1 F I E x \$5k	: = \$5k						
INULE. IOTAIS ME	ay include rounding differen	Jes.								

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

Vorkpaper:	2SM001.000 - EME	RGENCY SE	RVICES						
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type			
2024	0	50	0	50	0.0	1-Sided Adj			
Explanation:	RAMP (CFF3-7): RAMP Incremental - SCG-CFF-3 - Emergency Preparedness and Response and Pandemic - 7: Crisis Communication Technologies - SoCal Gas recognizes that communications during a crisis are critical to organizing, establishing priorities and sharing information to key stakeholders. Current capabilities include technology for Mobile Command Trailers and a Satellite Communication Program.  The Mobile Command Trailer is a specialized trailer that can be deployed to and stationed at the scene of an emergency for several days. It can be used as an Incident Command Post (ICP) to facilitate communication between response crews, command staff and external agencies and provide								
	support to our frontline of Command Trailers. So third-party vendor in ord Calculation:	employees du CalGas plan t ler to maintair	iring a major e o provide on-ç n readiness in	event. SoCalGa going maintena case of an unf	as currently ha ince for these orseen emerg	s three Mobile trailers through a ency.			
	Non-labor: \$50k (Emergency Response Command Center Trailer maintenance - 3 trailers @ \$15k/year plus \$5k for miscellaneous repairs)								
2024 Total	927	94	0	1,021	8.8				

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

### **Determination of Adjusted-Recorded (Incurred Costs):**

retermination of Adjusted-r	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	1,180	1,143	1,010	990	1,150
Non-Labor	300	1,083	1,389	749	422
NSE	0	0	0	0	0
Total	1,480	2,226	2,398	1,739	1,572
FTE	9.5	8.9	9.0	10.4	10.7
Adjustments (Nominal \$) **					
Labor	161	0	0	-5	227
Non-Labor	-2	-323	-17	-166	-35
NSE	0	0	0	0	0
Total	159	-323	-17	-171	191
FTE	1.4	0.0	0.0	-0.1	1.8
Recorded-Adjusted (Nominal	\$)				
Labor	1,340	1,143	1,010	985	1,377
Non-Labor	298	760	1,371	584	387
NSE	0	0	0	0	0
Total	1,638	1,902	2,381	1,569	1,764
FTE	10.9	9.0	9.0	10.3	12.5
/acation & Sick (Nominal \$)					
Labor	227	197	191	174	243
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	227	197	191	174	243
FTE	1.9	1.6	1.8	2.1	2.4
scalation to 2021\$					
Labor	181	114	67	34	0
Non-Labor	37	69	99	45	0
NSE	0	0	0	0	0
Total	218	183	166	79	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constan	it 2021\$)				
Labor	1,748	1,454	1,268	1,193	1,620
Non-Labor	335	829	1,470	628	387
NSE	0	0	0	0	0
Total	2,083	2,282	2,739	1,821	2,007
FTE	12.8	10.6	10.8	12.4	14.9

<sup>\*</sup> After company-wide exclusions of Non-GRC costs

<sup>\*\*</sup> Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

### Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs										
	Years	2017	2018	2019	2020	2021				
Labor		161	0	0	-5	227				
Non-Labor		-2	-323	-17	-166	-35				
NSE		0	0	0	0	0				
	Total –	159	-323	-17	-171	191				
FTE		1.4	0.0	0.0	-0.1	1.8				

## Detail of Adjustments to Recorded:

<u>Year</u>	<u>L</u> at	oor .	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	Adj Type				
2017		0	-8	0	0.0	1-Sided Adj				
Explanation:	Incremental costs that ar Memorandum Account (	•	be requested	d for recover	y through a i	non-GRC Catastrophic Event				
2017	16	31	22	0	1.4	CCTR Transf From 2200-2241.000				
Explanation:	Transfer from 2SM003.0	Transfer from 2SM003.000 to 2SM001.000 to consolidate Emergency Management activities.								
2017		0	-16	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove cost related to dues expense for cost center 2200-0613									
2017		0	-1	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove co	st related to du	ies expense f	or cost cente	er 2200-2270					
2017 Total	10	61	-2	0	1.4					
2018		0	-298	0	0.0	1-Sided Adj				
Explanation:	Incremental costs that ar Memorandum Account (	•	be requested	d for recover	y through a ।	non-GRC Catastrophic Event				
2018		0	-24	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove co	ost related to du	ies expense f	or cost cente	er 2200-0613					
2018		0	-2	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove co	st related to du	ies expense f	or cost cente	er 2200-2270					
2018 Total		0	-323	0	0.0					
2019		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).								
2019		0	-18	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove co	st related to du	ies expense f	or cost cente	er 2200-0613					

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>FTE</u>	Adj Type				
2019	0	-62	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove cost relate	ed to dues expens	se for cost ce	enter 2200-2	•				
2019	0	29	0	0.0	1-Sided Adj				
Explanation:	Transfer non-labor expense to the	ne correct witness	area 2200.8	000.002					
2019	0	35	0	0.0	1-Sided Adj				
Explanation:	Transfer non-labor expense to the	ne correct witness	area 2200.8	000.002					
2019 Total	0	-17	0	0.0					
2020	0	0	0	0.0	1-Sided Adj				
Explanation:	Incremental costs that are antici Memorandum Account (CEMA).	pated to be reque	ested for reco	very through	a non-GRC Catastrophic Event				
2020	-5	-143	0	-0.1	1-Sided Adj				
Explanation:		ncremental COVID-related costs that are anticipated to be requested for recovery through a non-GRC Catastrophic Event Memorandum Account (CEMA).							
2020	0	0	0	0.0	1-Sided Adj				
Explanation:	Incremental COVID-related cost Catastrophic Event Memorandum	•		uested for re	ecovery through a non-GRC				
2020	0	-22	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove cost relate	ed to dues expens	se for cost ce	enter 2200-0	613				
2020 Total	-5	-166	0	-0.1					
2021	-1	-17	0	-0.1	1-Sided Adj				
Explanation:	Incremental COVID-related cost Catastrophic Event Memorandul	•		uested for re	ecovery through a non-GRC				
2021	0	0	0	0.0	1-Sided Adj				
Explanation:	Incremental COVID-related cost Catastrophic Event Memorandur	•		uested for re	ecovery through a non-GRC				
2021	0	-21	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove cost relate	ed to dues expens	se for cost ce	enter 2200-0	313				
2021	228	3	0	1.9	CCTR Transf From 2200-2241.000				
Evalenations	Transfer from 2SM003.000 to 2SM001.000 to consolidate Emergency Management activities.								
Explanation:					agement douvides.				

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

### RAMP Item # 1

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-3 Emergency Preparedness and Response and Pandemic

RAMP Line Item ID: 8

RAMP Line Item Name: Response: Watch Desk

Tranche(/s): Tranche1: N/A

#### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical	2022	2023	2024	2024 RAMP Range	
	Embedded Cost (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	(2020 Inci Low	urred \$) High
Tranche 1 Cost Estimate	0	508	508	508	760	1,100

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update (Decrease in headcount; Job scope was reclassified).

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

### **RSE Changes from RAMP:**

A RSE range description was not provided in RAMP.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

## RAMP Item # 2

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-3 Emergency Preparedness and Response and Pandemic

RAMP Line Item ID: 09

RAMP Line Item Name: Expert Advisory Support

Tranche(/s): Tranche1: NA

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	80	80	80	80	175	255

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

<b>GRC Work Unit/Activity</b>	Level Estimates
-------------------------------	-----------------

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

### **RSE Changes from RAMP:**

A RSE range description was not provided in RAMP.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

### RAMP Item # 3

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-3 Emergency Preparedness and Response and Pandemic

RAMP Line Item ID: 3

RAMP Line Item Name: Stakeholder Outreach

Tranche(/s): Tranche1: NA

	2021 Historical	2022	2023	2024	2024 RAMP Range	
	Embedded Cost (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	(2020 Inc	urred \$) High
Tranche 1 Cost Estimate	161	311	277	277	105	130

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

<b>GRC Work Unit/Activity</b>	Level Estimates
-------------------------------	-----------------

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	0.000	0.000

#### **RSE Changes from RAMP:**

A RSE range description was not provided in RAMP.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

### RAMP Item # 4

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-3 Emergency Preparedness and Response and Pandemic

RAMP Line Item ID: 7

RAMP Line Item Name: Crisis Communication Technologies

Tranche(/s): Tranche1: NA

<u>GRC</u>	<b>Forecast</b>	Cost	<b>Estimates</b>	<u>(\$000)</u>
	-		•	

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	473	473	523	523	315	385

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

### RAMP Item # 5

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-3 Emergency Preparedness and Response and Pandemic

RAMP Line Item ID: 2

RAMP Line Item Name: Training, Exercises and Drills

Tranche(/s): Tranche1: NA

	2021 Historical	2022 Forecast (2021 \$)	2023 Forecast (2021 \$)	2024 Forecast (2021 \$)	2024 RAMP Range (2020 Incurred \$)	
	Embedded Cost (2021 \$)				Low	High
Tranche 1 Cost Estimate	161	161	277	277	105	130

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

GRC Work Unit/Activity	Level Estimates
------------------------	-----------------

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

#### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

### RAMP Item # 6

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-3 Emergency Preparedness and Response and Pandemic

RAMP Line Item ID: 1

RAMP Line Item Name: Policies & Procedures

Tranche(/s): Tranche1: NA

<u>GRC</u>	<b>Forecast</b>	Cost	<b>Estimates</b>	<u>(\$000)</u>

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Ra (2020 Incu	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	161	161	161	161	105	130

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

GRC Work Unit/Activity	Level Estimates
------------------------	-----------------

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

### **RSE Changes from RAMP:**

SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

## RAMP Item # 7

Area:

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-3 Emergency Preparedness and Response and Pandemic

RAMP Line Item ID: 4

RAMP Line Item Name: Incident Command Structure

Tranche(/s): Tranche1: NA

	<b>GRC Foreca</b>	st Cost	<b>Estimates</b>	(\$000)
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	2021 Historical	2022	2023	2024	2024 RAMP R	=
	Embedded Cost (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	(2020 Inci Low	urred \$) High
Tranche 1 Cost Estimate	435	435	435	435	290	355

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

GRC Work Unit/Activity	Level Estimates
------------------------	-----------------

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

### RAMP Item #8

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-3 Emergency Preparedness and Response and Pandemic

RAMP Line Item ID: 5

RAMP Line Item Name: Mutual Assistance

Tranche(/s): Tranche1: NA

GRC Forecast Cost Estimates (\$000)
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	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP R (2020 Inci	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	38	38	38	38	20	20

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 Membership Fee	1.00	0.00	0.00	1.00	1.00	1.00

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

### Risk Spend Efficiency (RSE)

	GRU RSE	RAIVIP RSE
Tranche 1	0.000	0.000

#### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

### RAMP Item #9

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-3 Emergency Preparedness and Response and Pandemic

RAMP Line Item ID: 6

RAMP Line Item Name: After Action Review Program

Tranche(/s): Tranche1: NA

### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP R (2020 Inc	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	473	473	473	473	315	385

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: F. EMERGENCY SERVICES
Category-Sub: 1. EMERGENCY SERVICES

Workpaper: 2SM001.000 - EMERGENCY SERVICES

## RAMP Item # 10

### **RAMP Activity**

RAMP Chapter: SCG-CFF-3 Emergency Preparedness and Response and Pandemic

RAMP Line Item ID: 11

RAMP Line Item Name: Emergency Management Technology

Tranche(/s): Tranche1: NA

GRC Forecast Cost Estima	ites (\$000)					
	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP R (2020 Inc	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	0	0	0	0	700	910
Cost Estimate Changes fro		forecast update.				

2021 Historical 2022 2023 2024 2024 RAI Unit of Embedded Forecast Forecast Range Activ							
Measure	Activities	Activities	Activities	Activities	Low	High	
nche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00	
nche 1 NA k Unit Changes from RA		0.00	0.00	0.00	(	0.00	

Risk Spend Efficiency (RSE)			
	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	
RSE Changes from RAMP: A RSE range description was not p	provided in RAMP.		

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000

## Summary for Category: G. TECHNOLOGY & ANALYTICS

		In 2021\$ (000) Inc	urred Costs					
	Adjusted-Recorded		Adjusted-Forecast					
	2021	2022	2023	2024				
Labor	524	642	1,292	1,292				
Non-Labor	815	973	1,164	889				
NSE	0	0	0	0				
Total	1,339	1,615	2,456	2,181				
FTE	5.3	6.4	12.3	12.3				

## Workpapers belonging to this Category:

### 2SM005.000 TECHNOLOGY & ANALYTICS

Labor	524	642	1,292	1,292
Non-Labor	815	973	1,164	889
NSE	0	0	0	0
Total	1,339	1,615	2,456	2,181
FTE	5.3	6.4	12.3	12.3

Beginning of Workpaper 2SM005.000 - TECHNOLOGY & ANALYTICS

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

#### **Activity Description:**

The Safety Management System Technology and Analytics Group (SMS TAG) consist of two groups under one cost center, the SMS Technology Advancement and the Metrics and Analytics groups. These groups are responsible for supporting the SMS organization by using data and technology to identify key performance indicators and associated risk factors from various data sources to maintain, promote and enhance the efficiency and effectiveness of SMS programs and initiatives. Additionally, these groups focus on establishing and maintaining data integrity and record-keeping programs and systems for the SMS organization.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

The forecast method developed for this cost category to labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus a greater emphasis on enhancing our various quality management and safety data related reporting & analytics dashboards. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group which require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### Non-Labor - Base YR Rec

The forecast method developed for this cost category to non-labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus a greater emphasis on enhancing our various quality management and safety data related reporting & analytics dashboards. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group which require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### **NSE - Base YR Rec**

NSE is not applicable to this workgroup.

## Summary of Results:

		In 2021\$ (000) Incurred Costs										
		Adju	ısted-Recor	Ad	justed-Fored	cast						
Years	2017	2018	2019	2020	2021	2022	2023	2024				
Labor	0	0	0	560	524	642	1,292	1,292				
Non-Labor	0	0	50	749	815	973	1,164	889				
NSE	0	0	0	0	0	0	0	0				
Total		0	50	1,309	1,339	1,615	2,456	2,181				
FTE	0.0	0.0	0.0	5.2	5.3	6.4	12.3	12.3				

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

#### **Summary of Adjustments to Forecast:**

	In 2021 \$(000) Incurred Costs									
Forecas	t Method	Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years	s	2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	524	524	524	118	768	768	642	1,292	1,292
Non-Labor	Base YR Rec	815	815	815	158	349	74	973	1,164	889
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	ıl	1,339	1,339	1,339	276	1,117	842	1,615	2,456	2,181
FTE	Base YR Rec	5.3	5.3	5.3	1.1	7.0	7.0	6.4	12.3	12.3

### **Forecast Adjustment Details:**

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj Type	
2022	85	156	0	241	0.8	1-Sided Adj	

#### **Explanation:**

RAMP (CFF6-4): RAMP Incremental; SCG-CFF-6 - Safety Management System – 4 – Technology & Analytics: SoCalGas plans to continue to find ways to link key performance indicators, data and technology to enhance safety performance and safety culture across the Company. SoCalGas intends to add 0.8 FTE positions at a cost of \$90K (\$85k Labor/\$5K Non-Labor) plus \$151k for other non-labor to support this function. The efforts to support this function are as follows:

Environmental Health and Safety Management (EHSM) Program – Metrics and Analytics Team supports and approves the transition of safety applications, including Safety Incident Management System (SIMS) Support, system administration, reporting and maintenance. This initiative will consolidate various environmental, health and safety applications and allow a centralized database to process safety analytics and enhance reporting and business processes.

#### Calculation:

Labor cost for Advisor position: 0.5 FTE X \$111.25K = \$56k Non-labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

FTE support for On-Call Application - On-Call Application is a new application in development to support On-Call Services. This application will automate manual on-call processes for various business units and will enhance emergency safety operations. Technology Advancement will be responsible for the system administration, access controls, reporting, communications and troubleshooting.

#### Calculation:

Labor cost for Specialist/Analyst position: 0.3 FTE X \$96.65K = \$29k

Non-Labor cost for employee expenses: 0.3 FTE X \$5K = \$2k; Other non-labor: \$16k (maintenance fee)

Dashboard enhancements – Consultant support to perform new and existing dashboard enhancements to increase executive visibility to safety KPI and compliance metrics.

Calculation: Non-labor: \$135k (Consulting Services)

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

2023

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

624

219

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u>	Adj_Type		
2022	33	2	0	35	0.3	1-Sided Adj		
Explanation:	Other: FTE support for SMS SharePoint Redesign - This initiative will enhance safety resources available via SharePoint for employees and contractors. It will enhance our SMS by providing resources, training, information and reporting for employees.  Calculation:  Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k  Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k							
2022 Total	118	158	0	276	1.1			

0

843

5.7

1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

<u>Year Labor NLbr NSE Total FTE Adj\_Type</u>

**Explanation:** 

RAMP (CFF6-4): RAMP Incremental; SCG-CFF-6 - Safety Management System – 4 – Technology & Analytics: SoCalGas plans to continue to find ways to link key performance indicators, data and technology to enhance safety performance and safety culture across the Company. SoCalGas intends to add 5.7 FTE positions at a cost of \$657K (\$624k Labor/\$33K Non-Labor) plus \$186k for other non-labor costs to support this function. The efforts to support this function are as follows:

Noggin System - Noggin System is used for Emergency Management. The system includes two modules, the Incident Management System (IMS) and the Situational Management Platform (SPS). The Noggin system is used for incident, emergency, and situational management, including communications via message center reports (MCRs). The Technology advancement team is responsible for enhancing the Emergency Management system by implementing system changes, communicating outages or updates, and managing system integrations. In addition to the support functions mentioned, report automation and system access controls will be implemented. Technology Advancement supports other Emergency Management technology, including satellite phones, laptops, technical and reporting support.

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Enhancements to Employee Safety Data Reporting – The Metrics and Analytics Team is responsible for various reports, including new processes for report automation, evaluating reporting synergies, and process improvement to enhance safety reporting operations.

#### Calculation:

Labor cost for Advisor position: 0.5 FTE X \$111.25K = \$56k Non-labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

Safety Performance Metrics Reporting System (SPMR) - SPMR is used to collect metrics. The Metrics and Analytics team administers, supports reporting, data governance, maintenance, training, stakeholder engagement, and enhancements.

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Environmental Health and Safety Management (EHSM) Program – Metrics and Analytics Team supports and approves the transition of safety applications, including Safety Incident Management System (SIMS) Support, system administration, reporting and maintenance. This initiative will consolidate various environmental, health and safety applications and allow a centralized database to process safety analytics and enhance reporting and business processes.

#### Calculation:

Labor cost for Advisor position: 0.5 FTE X \$111.25K = \$56k Non-labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

# Southern California Gas Company 2024 GRC - REVISED

#### Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

<u>Year Labor NLbr NSE Total FTE Adj\_Type</u>

KPI Analysis Governance – The Metrics and Analytics Team supports Key Performance Indicators (KPI) Analysis and Governance. This includes data validation, trend analysis to measure the effectiveness of our operations, risk management and adequacy of our SMS.

#### Calculation:

Labor cost for Advisor position: 0.5 FTE X \$111.25K = \$56k Non-labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

Enhancements to the Employee Safety Data Analytics - The Metrics and Analytics team supports the maintenance and enhancements of various safety data-related dashboards. The initiative includes enhancing current and implementing new analytical processes. New analytical processes will support the SMS goals by providing new insights into employee safety. In addition, the Metrics and Analytics team supports the maintenance and enhancement of various Safety data-related dashboards.

#### Calculation:

Labor cost for 1 Advisor position: 1 FTE X \$111.25K = \$111k Non-labor cost for employee expenses: 1 FTE X \$5K = \$5k

Employee Safety Data Governance – This initiative will improve the safety data collection process and data integrity and governance.

#### Calculation:

Labor cost for Advisor position: 0.8 FTE X \$111.25K = \$89k Non-labor cost for employee expenses: 0.8 FTE X \$5K = \$4k

Consultant Support for Development of a Centralized Database for Incident Evaluation - Common database for incident investigation documentation, causes, contributing factors and remedial corrective actions across divisions.

#### Calculation:

Non-labor: \$125k (Consultant fees: \$20.8k x 6 months)

FTE support for On-Call Application - On-Call Application is a new application in development to support On-Call Services. This application will automate manual on-call processes for various business units and will enhance emergency safety operations. Technology Advancement will be responsible for the system administration, access controls, reporting, communications and troubleshooting.

### Calculation:

Labor cost for Specialist/Analyst position: 0.3 FTE X \$96.65K = \$29k Non-Labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Dashboard enhancements – Consultant support to perform new and existing dashboard enhancements to increase executive visibility to safety KPI and compliance metrics.

Calculation: Non-labor: \$45k (Consulting Services)

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

FTE support for Contractor Safety Data Reporting and Analytics Enhancements – The Metrics and Analytics Team support the maintenance and enhancements of contractor safety data-related dashboards. Initiatives include incorporating analytical processes in existing and new safety data to enhance contractor safety operations and improve safety metrics.

Calculation:

Labor cost for Advisor position: 0.5 FTE X \$111.25K = \$56k

Non-Labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

FTE for Predictive Safety Analytics System Application – This is a new application in development to support predictive safety analytics for controllable motor vehicle incidents (CMVI). The application will provide insights to proactively coach employees on preventing Motor Vehicle Incidents.

Calculation:

Labor cost for Specialist/Analyst position: 0.5 FTE X \$96.65K = \$48k Non-Labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

FTE to support Root Cause Training Program – The Root Cause Training Program will promote effective and consistency incident investigation across the company. The Metrics and Analytics Team will be responsible for system administration, maintenance and enhancements.

Calculation:

Labor cost for Advisor position: 0.5 FTE X \$111.25K = \$56k Non-Labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

2023 111 128 0 239 1.0 1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

Workpaper:	2SM005.000 - TECH	HNOLOGY &	ANALYTICS					
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type		
Explanation:	RAMP (CFF6-3): RAMP Improvement and Quality information in the areas of to these efforts will continuous from events to a cost of \$116k (\$111k Lab function. The efforts to sufficient of the efforts o	Assurance: of incidents, for the to build a chieve the sate of the sate of the temperature of the temperatur	SoCalGas placedback and and support profess outcome abor) plus \$1 unction are as analysis Train across the costs Train-the-Tocements & Managements are used to the sion Bridge & ction Pipeline ance, PSEP I urvey, Distribute. In addition, eport, Welding Nalve Inspection Valve Inspection Pipeline ance, PSEP I urvey, Distribute. In addition, eport, Welding Nalve Inspection Valve Inspection Valve Inspection Valve Inspection Pipeline ance, PSEP I urvey, Distribute.	an to enhance in performance in performance in cocesses that resis. SoCalGas is 123k for other in follows:  Ing Program - Tompany.  Frainer One-Ting aintenance of the developing, in build technologent programs in Span, Transmill Integrity, Transfield Assessment in Locate & It, the support in general Element Cherctions reports.	the capability to neasurement. Fesult in collective ntends to add 1 on-labor costs to This program with the Quality Manalaintaining and regy that allows tracked Distributions on Pipeline Fesmission GTTS, ent, PSEP Close Mark, Distribution cludes Ad-hoc,	gather safety related Resources dedicated e participation and .0 FTE position at a to support this  Il promote effective  e = \$105K and Annual  agement Dashboards reporting various acking, analyzing, on Bridge & Span, Patrol, Gas Handling, Construction cout, Transmission on Leak Survey and No Gas, Squad		
2023	33	2	0	35	0.3	1-Sided Adj		
Explanation:	Other: FTE support for SMS SharePoint Redesign - This initiative will enhance safety resources available via SharePoint for employees and contractors. It will enhance our SMS by providing resources, training, information and reporting for employees.  Calculation:  Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k  Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k							
2023 Total	768	349	0	1,117	7.0			

2024 624 49 0 673 5.7 1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

Year Labor <u>NLbr</u> <u>NSE</u> <u>Total</u> <u>FTE</u> <u>Adj\_Type</u>

#### **Explanation:**

RAMP (CFF6-4): RAMP Incremental; SCG-CFF-6 - Safety Management System – 4 – Technology & Analytics: SoCalGas plans to continue to find ways to link key performance indicators, data and technology to enhance safety performance and safety culture across the Company. SoCalGas intends to add 5.7 FTE positions at a cost of \$657K (\$624k Labor/\$33K Non-Labor) plus \$16k for other non-labor costs to support this function. The efforts to support this function are as follows:

Noggin System - Noggin System is used for Emergency Management. The system includes two modules, the Incident Management System (IMS) and the Situational Management Platform (SPS). The Noggin system is used for incident, emergency, and situational management, including communications via message center reports (MCRs). The Technology advancement team is responsible for enhancing the Emergency Management system by implementing system changes, communicating outages or updates, and managing system integrations. In addition to the support functions mentioned, report automation and system access controls will be implemented. Technology Advancement supports other Emergency Management technology, including satellite phones, laptops, technical and reporting support.

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Enhancements to Employee Safety Data Reporting – The Metrics and Analytics Team is responsible for various reports, including new processes for report automation, evaluating reporting synergies, and process improvement to enhance safety reporting operations.

#### Calculation:

Labor cost for Advisor position: 0.5 FTE X \$111.25K = \$56k Non-labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

Safety Performance Metrics Reporting System (SPMR) - SPMR is used to collect metrics. The Metrics and Analytics team administers, supports reporting, data governance, maintenance, training, stakeholder engagement, and enhancements.

#### Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

Environmental Health and Safety Management (EHSM) Program – Metrics and Analytics Team supports and approves the transition of safety applications, including Safety Incident Management System (SIMS) Support, system administration, reporting and maintenance. This initiative will consolidate various environmental, health and safety applications and allow a centralized database to process safety analytics and enhance reporting and business processes.

#### Calculation:

Labor cost for Advisor position: 0.5 FTE X \$111.25K = \$56k Non-labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

# Southern California Gas Company 2024 GRC - REVISED

### Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

<u>Year Labor NLbr NSE Total FTE Adj\_Type</u>

KPI Analysis Governance – The Metrics and Analytics Team supports Key Performance Indicators (KPI) Analysis and Governance. This includes data validation, trend analysis to measure the effectiveness of our operations, risk management and adequacy of our SMS.

#### Calculation:

Labor cost for Advisor position: 0.5 FTE X \$111.25K = \$56k Non-labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

Enhancements to the Employee Safety Data Analytics - The Metrics and Analytics team supports the maintenance and enhancements of various safety data-related dashboards. The initiative includes enhancing current and implementing new analytical processes. New analytical processes will support the SMS goals by providing new insights into employee safety. In addition, the Metrics and Analytics team supports the maintenance and enhancement of various Safety data-related dashboards.

#### Calculation:

Labor cost for 1 Advisor position: 1FTE X \$111.25K = \$111k Non-labor cost for employee expenses: 1 FTE X \$5K = \$5k

Employee Safety Data Governance – This initiative will improve the safety data collection process and data integrity and governance.

#### Calculation:

Labor cost for Advisor position: 0.8 FTE X \$111.25K = \$89k Non-labor cost for employee expenses: 0.8 FTE X \$5K = \$4k

FTE support for On-Call Application - On-Call Application is a new application in development to support On-Call Services. This application will automate manual on-call processes for various business units and will enhance emergency safety operations. Technology Advancement will be responsible for the system administration, access controls, reporting, communications and troubleshooting.

#### Calculation:

Labor cost for Specialist/Analyst position: 0.3 FTE X \$96.65K = \$29k

Non-Labor cost for employee expenses: 0.3 FTE X \$5K = \$2k, Other non-labor: \$16k (Annual maintenance fee)

FTE support for Contractor Safety Data Reporting and Analytics Enhancements – The Metrics and Analytics Team support the maintenance and enhancements of contractor safety data-related dashboards. Initiatives include incorporating analytical processes in existing and new safety data to enhance contractor safety operations and improve safety metrics.

#### Calculation:

Labor cost for Advisor position: 0.5 FTE X \$111.25K = \$56k Non-Labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

FTE for Predictive Safety Analytics System Application – This is a new application in development to

# Southern California Gas Company 2024 GRC - REVISED

### Non-Shared Service Workpapers

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

Year Labor NLbr NSE Total FTE Adj\_Type

support predictive safety analytics for controllable motor vehicle incidents (CMVI). The application will provide insights to proactively coach employees on preventing Motor Vehicle Incidents.

Calculation:

Labor cost for Specialist/Analyst position: 0.5 FTE X \$96.65K = \$48k Non-Labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

FTE to support Root Cause Training Program - The Root Cause Training Program will promote effective and consistency incident investigation across the company. The Metrics and Analytics Team will be responsible for system administration, maintenance and enhancements.

Calculation:

Labor cost for Advisor position: 0.5 FTE X \$111.25K = \$56k Non-Labor cost for employee expenses: 0.5 FTE X \$5K = \$3k

2024 111 23 0 134 1.0 1-Sided Adj

**Explanation:** 

RAMP (CFF6-3): RAMP Incremental; SCG-CFF-6 - Safety Management System - 3 – Continuous Improvement and Quality Assurance: SoCalGas plan to enhance the capability to gather safety related information in the areas of incidents, feedback and performance measurement. Resources dedicated to these efforts will continue to build and support processes that result in collective participation and learning from events to achieve the safest outcomes. SoCalGas intends to add 1.0 FTE position at a cost of \$116k (\$111k Labor/\$5k Non-Labor) plus \$18k for other non-labor costs to support this function. The efforts to support this function are as follows:

Implement a formalized Root Cause Analysis Training Program - This program will promote effective and consistency incident investigation across the company.

Calculation:

Non-labor: \$18k (Root Cause Analysis Maintenance Fee)

FTE support for Development, Enhancements & Maintenance of the Quality Management Dashboards - The Metrics and Analytics Team is responsible for developing, maintaining and reporting various Quality Management datasets. The data is used to build technology that allows tracking, analyzing, reporting and identifying trends. Quality Management programs include Distribution Bridge & Span, Distribution Pipeline Patrol, Transmission Bridge & Span, Transmission Pipeline Patrol, Gas Handling, Construction Major Projects, Construction Pipeline Integrity, Transmission GTTS, Construction Compressor Station Projects Maintenance, PSEP Field Assessment, PSEP Closeout, Transmission Locate & Mark, Transmission Leak Survey, Distribution Locate & Mark, Distribution Leak Survey and Operator Qualifications Data Requests. In addition, the support includes Ad-hoc, No Gas, Squad Checks for 30/60/90 Days Drawings report, Welding Element Checklist, Transmission Construction Projects and Distribution/Transmission Valve Inspections reports.

Calculation:

Labor cost for Advisor position: 1.0 FTE X \$111.25k = \$111K

Non-labor: 1.0 FTE X \$5K = \$5k

2024 33 2 0 35 0.3 1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type
Explanation:	Other: FTE support for Savailable via SharePoint resources, training, infor Calculation: Labor cost for Advisor polynon-labor cost for employed	for employed mation and re position: 0.3 F	es and contra eporting for e TE X \$111.29	actors. It will er imployees. 5K = \$33k		-
2024 Total	768	74	0	842	7.0	

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

### **Determination of Adjusted-Recorded (Incurred Costs):**

retermination of Aujusteu-N	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	0	0	0	462	446
Non-Labor	0	0	47	769	824
NSE	0	0	0	0	0
Total	0	0	47	1,231	1,270
FTE	0.0	0.0	0.0	4.4	4.6
Adjustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	-72	-10
NSE	0	0	0	0	0
Total	0	0	0	-72	-10
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Nominal	\$)				
Labor	0	0	0	462	446
Non-Labor	0	0	47	696	815
NSE	0	0	0	0	0
Total	0	0	47	1,158	1,260
FTE	0.0	0.0	0.0	4.4	4.5
/acation & Sick (Nominal \$)					
Labor	0	0	0	81	79
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	81	79
FTE	0.0	0.0	0.0	0.8	0.8
Escalation to 2021\$					
Labor	0	0	0	16	0
Non-Labor	0	0	3	53	0
NSE	0	0	0	0	0
Total	0	0	3	69	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constant	2021\$)				
Labor	0	0	0	560	524
Non-Labor	0	0	50	749	815
NSE	0	0	0	0	0
Total	0	0	50	1,309	1,339
FTE	0.0	0.0	0.0	5.2	5.3

<sup>\*</sup> After company-wide exclusions of Non-GRC costs

<sup>\*\*</sup> Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

### 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	-72	-10	
NSE		0	0	0	0	0	
	Total		0	0	-72	-10	
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>	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 Catastrophic Event Memora		•	requested f	or recovery through a non-GRC		
2020	0	0	0	0.0	1-Sided Adj		
Explanation:	Adjustment to remove cost	related to dues ex	pense for cos	st center 220	0-2042		
2020 Total	0	-72	0	0.0			
2021	0	-10	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	-10	0	0.0			

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

## RAMP Item # 1

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 4

RAMP Line Item Name: Technology & Analytics

Tranche(/s): Tranche1: N/A

#### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical	2022	2023	2024	2024 RAMP Range	
	Embedded Cost (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	(2020 Inci Low	urred \$) High
Tranche 1 Cost Estimate	945	1,186	1,788	1,618	525	636

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS 1. TECHNOLOGY & ANALYTICS Category-Sub:

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

#### RAMP Item # 2

#### **RAMP Activity**

RAMP Chapter: SCG-Risk-5 Incident Involving an Employee

RAMP Line Item ID: C05

RAMP Line Item Name: Safe Driving Programs

Tranche(/s): Tranche1: Vehicle

#### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	79	79	79	79	1,120	1,356

#### **Cost Estimate Changes from RAMP:**

GRC is outside RAMP range due to being one of several workpapers and/or witness areas that contributed dollars to this mitigation.

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 FTE	18.00	18.00	18.00	18.00	17.00	21.00

#### Work Unit Changes from RAMP:

GRC forecast fall within the RAMP range.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE
Tranche 1	19.000	11.000

## **RSE Changes from RAMP:**

General changes to risks scores or RSE values are primarily due to changes in the MAVF and RSE methodology, as discussed in the RAMP to GRC Integration testimony of R. Scott Pearson and Gregory S. Flores (Ex. SCG-03/SDG&E-03, Chapter 2)

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

### RAMP Item # 3

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-3 Emergency Preparedness and Response and Pandemic

RAMP Line Item ID: C11

RAMP Line Item Name: Emergency Management Technology

Tranche(/s): Tranche1: NA

<u>GRC</u>	<u>Forecast</u>	Cost Estimates (\$000)	l
			-

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP R: (2020 Inci	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	79	79	79	79	700	910

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

#### **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

#### RAMP Item #4

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: C02

RAMP Line Item Name: Pipeline Safety & Compliance Oversight

Tranche(/s): Tranche1: NA

#### **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	79	79	79	79	682	825

#### **Cost Estimate Changes from RAMP:**

The GRC forecast for this mitigation is split with several workpapers in my witness area (2200-2473 and 2200-2551). GRC forecast is outside the RAMP range due to a forecast update.

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

## **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: G. TECHNOLOGY & ANALYTICS
Category-Sub: 1. TECHNOLOGY & ANALYTICS

Workpaper: 2SM005.000 - TECHNOLOGY & ANALYTICS

#### RAMP Item # 5

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 3

RAMP Line Item Name: Continuous Improvement and Quality Assurances

Tranche(/s): Tranche1: NA

#### **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	158	158	397	292	1,940	2,349

#### **Cost Estimate Changes from RAMP:**

The GRC forecast for this mitigation is split with several workpapers in my witness area (2SM002, 2SM005 and 2200-2551.000).

### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

## Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

## **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

## **Summary of Shared Services Workpapers:**

Description Total

Area:	
Witness:	
Category:	
Cost Center:	VARIOUS

## **Summary for Category:**

Labor Non-Labor NSE

> **Total** FTE

Adjusted-Recorded	Adjusted-Recorded In 2021\$ (000) Incurred Costs Adjusted-Forecast									
2021	2022	2023	2024							
0	0	0	0							

Beginning of Workpaper 2200-2473.000 - PIPELINE SAFETY & COMPLIANCE

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. PIPELINE SAFETY & COMPLIANCE

Category-Sub

Cost Center: 2200-2473.000 - PIPELINE SAFETY & COMPLIANCE

#### **Activity Description:**

Pipeline Safety and Compliance (PS&C) is responsible for supporting the company to meet and exceed compliance in regulatory and safety regulations. PS&C oversees a robust compliance system that demonstrates SoCalGas' commitment to pipeline safety and shapes essential enhancements for our employees, processes, and technologies. PS&C consists of multiple interconnected departments and cost centers including Pipeline Safety & Compliance Director; Pipeline Safety and Compliance Group; Major Projects Regulatory Compliance and Controls; Operator Qualification.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

The forecast method developed for this cost category to labor expense is the base year method because this forecasting methodology serves to more accurately represent this workgroup given the significant increase in Commission oversight. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group and require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### Non-Labor - Base YR Rec

The forecast method developed for this cost category to non-labor expense is the base year method because this forecasting methodology serves to more accurately represent this workgroup given the significant increase in Commission oversight. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group and require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### **NSE - Base YR Rec**

NSE is not applicable to this workgroup.

## Summary of Results:

Γ	In 2021\$ (000) Incurred Costs									
		Adju	ısted-Recor	Adjusted-Forecast						
Years	2017	2018	2019	2020	2021	2022	2023	2024		
Labor	626	646	655	716	819	819	941	941		
Non-Labor	90	100	62	43	63	63	69	69		
NSE	0	0	0	0	0	0	0	0		
Total	715	746	717	759	882	882	1,010	1,010		
FTE	5.4	5.7	5.7	6.1	7.2	7.2	8.3	8.3		

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. PIPELINE SAFETY & COMPLIANCE

Category-Sub:

Cost Center: 2200-2473.000 - PIPELINE SAFETY & COMPLIANCE

#### **Cost Center Allocations (Incurred Costs):**

Directly Retained
Directly Allocated
Subj. To % Alloc.
Total Incurred
% Allocation
Retained
SEU
CORP
Unreg

	2021 Adju	sted-Reco	rded			2022 Adjı	usted-Fore	cast	
Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
0	0	0	0	0.0	0	0	0	0	0.0
0	0	0	0	0.0	0	0	0	0	0.0
819	63	0	882	7.2	819	63	0	882	7.2
819	63	0	882	7.2	819	63	0	882	7.2
80.00%	80.00%				80.00%	80.00%			
20.00%	20.00%				20.00%	20.00%			
0.00%	0.00%				0.00%	0.00%			
0.00%	0.00%				0.00%	0.00%			

Directly Retained
Directly Allocated
Subj. To % Alloc.
Total Incurred
% Allocation
Retained
SEU
CORP
Unreg

		2023 Adju	sted-Fore	cast			2024 Adju	sted-Fore	cast	
ı	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
ı	0	0	0	0	0.0	0	0	0	0	0.0
ı	0	0	0	0	0.0	0	0	0	0	0.0
	941	69	0	1,010	8.3	941	69	0	1,010	8.3
	941	69	0	1,010	8.3	941	69	0	1,010	8.3
ı	80.00%	80.00%				80.00%	80.00%			
Ī	20.00%	20.00%				20.00%	20.00%			
Ī	0.00%	0.00%				0.00%	0.00%			
ı	0.00%	0.00%				0.00%	0.00%			

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. PIPELINE SAFETY & COMPLIANCE

Category-Sub:

Cost Center: 2200-2473.000 - PIPELINE SAFETY & COMPLIANCE

#### **Cost Center Allocation Percentage Drivers/Methodology:**

#### **Cost Center Allocation Percentage for 2021**

Labor - Each employee was reviewed individually by the cost center manager to determine the amount of time each employee dedicates to SDG&E and SCG in the performance of routine activities. The individual amounts per employee were rolled up into a cost center. Non-Labor - Incidental administrative office supplies and employee support expenses such as telephones, computers, travel, etc are the only shared SDG&E non-labor expenses and are shared in direct proportion as labor.

#### **Cost Center Allocation Percentage for 2022**

Labor - Each employee was reviewed individually by the cost center manager to determine the amount of time each employee dedicates to SDG&E and SCG in the performance of routine activities. The individual amounts per employee were rolled up into a cost center. Non-Labor - Incidental administrative office supplies and employee support expenses such as telephones, computers, travel, etc are the only shared SDG&E non-labor expenses and are shared in direct proportion as labor.

#### **Cost Center Allocation Percentage for 2023**

Labor - Each employee was reviewed individually by the cost center manager to determine the amount of time each employee dedicates to SDG&E and SCG in the performance of routine activities. The individual amounts per employee were rolled up into a cost center. Non-Labor - Incidental administrative office supplies and employee support expenses such as telephones, computers, travel, etc are the only shared SDG&E non-labor expenses and are shared in direct proportion as labor.

#### **Cost Center Allocation Percentage for 2024**

Labor - Each employee was reviewed individually by the cost center manager to determine the amount of time each employee dedicates to SDG&E and SCG in the performance of routine activities. The individual amounts per employee were rolled up into a cost center. Non-Labor - Incidental administrative office supplies and employee support expenses such as telephones, computers, travel, etc are the only shared SDG&E non-labor expenses and are shared in direct proportion as labor.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. PIPELINE SAFETY & COMPLIANCE

Category-Sub:

Cost Center: 2200-2473.000 - PIPELINE SAFETY & COMPLIANCE

#### **Summary of Adjustments to Forecast:**

			In 202	1 \$(000) li	ncurred Co	sts					
Forecas	t Method	Bas	se Foreca	st	Forec	Forecast Adjustments			Adjusted-Forecast		
Years	s	2022 2023		2024	2022	2022 2023 2024		2022	2023	2024	
Labor	Base YR Rec	819	819	819	0	122	122	819	941	941	
Non-Labor	Base YR Rec	63	63	63	0	6	6	63	69	69	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	ıl	882	882	882		128	128	882	1,010	1,010	
FTE	Base YR Rec	7.2	7.2	7.2	0.0	1.1	1.1	7.2	8.3	8.3	

#### **Forecast Adjustment Details:**

Year	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	FTE	Adj Type	
2022 Total	0	0	0	0	0.0		
2023	89	4	0	93	0.8	1-Sided Adi	

**Explanation:** 

RAMP (CFF6-2): RAMP Incremental; SCG-CFF-6 - Safety Management System - 2 - Pipeline Safety & Compliance Oversight: FTE support for PS&C - CPUC Inspections (Construction & Operations) - An additional FTE resource needed for increasing CPUC SED compliance field visits at SoCalGas. The CPUC is ramping up its regional construction division over the next 3 years. This will create a need for additional time in the field and resulting data requests response efforts.

Calculation:

Labor cost for Advisor position: 0.8 FTE X \$111.25K = \$89k Non-labor cost for employee expenses: 0.8 FTE X \$5K = \$4k

2023

33

2

35

0.3

1-Sided Adj

**Explanation:** 

RAMP (CFF6-8): RAMP Incremental; SCG-CFF-6 - Safety Management System - 8 - Pipeline Safety Self Assessments: FTE support for PS&C - Pipeline Safety Self Assessments - Pipeline Safety and Compliance group has implemented a new self-assessment program focusing on pipeline safety compliance. The program includes field pre-audits and inspections for operations groups to review compliance items in a proactive manner.

Under this program, staff performs Odor Intensity Tests, pre-audit dry runs, and other inspection types with the employees to increase their comfort while completing their tasks in front of an audience of assessors who are attempting to proactively identify and mitigate hazards, risks, and safety incidents. Utilizing the PDCA tool, this program is designed to reveal and mitigate risks in a proactive manner to continue to improve SoCalGas's pipeline safety performance. For compliance with 49CFR and GO112F

Calculation:

Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k Non-labor cost for employee expenses: 0.3 FTE X \$5K = \$2k

2023 Total	122	6	0	128	1.1	
2024	89	4	0	93	0.8	1-Sided Adj

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. PIPELINE SAFETY & COMPLIANCE

Category-Sub:

Cost Center: 2200-2473.000 - PIPELINE SAFETY & COMPLIANCE

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u>	Adj_Type			
Explanation:	RAMP (CFF6-2): RAMP & Compliance Oversight additional FTE resource CPUC is ramping up its additional time in the fiel Calculation: Labor cost for Advisor po Non-labor cost for emplo	: FTE suppor needed for ir regional cons d and resultir osition: 0.8 F	t for PS&C - CF ncreasing CPU0 struction division ng data request TE X \$111.25K	PUC Inspection C SED complete on over the next of the second of the seco	ons (Constructi iance field visit kt 3 years. This	on & Operations) - An s at SoCalGas. The			
2024	33	2	0	35	0.3	1-Sided Adj			
Explanation:	Non-labor cost for employee expenses: 0.8 FTE X \$5K = \$4k  33 2 0 35 0.3 1-Sided Adj  RAMP (CFF6-8): RAMP Incremental; SCG-CFF-6 - Safety Management System - 8 - Pipeline Safety Self Assessments: FTE support for PS&C - Pipeline Safety Self Assessments - Pipeline Safety and Compliance group has implemented a new self-assessment program focusing on pipeline safety compliance. The program includes field pre-audits and inspections for operations groups to review compliance items in a proactive manner.  Under this program, staff performs Odor Intensity Tests, pre-audit dry runs, and other inspection types with the employees to increase their comfort while completing their tasks in front of an audience of assessors who are attempting to proactively identify and mitigate hazards, risks, and safety incidents. Utilizing the PDCA tool, this program is designed to reveal and mitigate risks in a proactive manner to continue to improve SoCalGas's pipeline safety performance. For compliance with 49CFR and GO112F  Calculation: Labor cost for Advisor position: 0.3 FTE X \$111.25K = \$33k								

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. PIPELINE SAFETY & COMPLIANCE

Category-Sub:

Cost Center: 2200-2473.000 - PIPELINE SAFETY & COMPLIANCE

### **Determination of Adjusted-Recorded (Incurred Costs):**

ionination of Atajaotoa	-Recorded (incurred Cos 2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
corded (Nominal \$)*					
Labor	483	509	521	584	696
Non-Labor	81	92	59	44	66
NSE	0	0	0	0	0
Total	565	602	579	628	762
FTE	4.6	4.9	4.7	5.1	6.1
ljustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	-3	-3
NSE	0	0	0	0	0
Total	0	0	0	-3	-3
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Nomin	al \$)				
Labor	483	509	521	584	696
Non-Labor	81	92	59	41	63
NSE	0	0	0	0	0
Total	565	602	579	625	759
FTE	4.6	4.8	4.8	5.1	6.1
cation & Sick (Nominal \$	5)				
Labor	82	88	99	103	123
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	82	88	99	103	123
FTE	0.8	0.9	0.9	1.0	1.1
scalation to 2021\$					
Labor	60	49	35	29	0
Non-Labor	9	8	3	2	0
NSE	0	0	0	0	0
Total	69	56	39	31	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2021\$)				
Labor	626	646	655	716	819
Non-Labor	90	100	62	43	63
NSE	0	0	0	0	0
Total	715	746	717	759	882
FTE	5.4	5.7	5.7	6.1	7.2

<sup>\*</sup> After company-wide exclusions of Non-GRC costs

<sup>\*\*</sup> Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. PIPELINE SAFETY & COMPLIANCE

Category-Sub:

Cost Center: 2200-2473.000 - PIPELINE SAFETY & COMPLIANCE

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs						
	Years	2017	2018	2019	2020	2021
Labor		0	0	0	0	0
Non-Labor		-0.120	0	0	-3	-3
NSE		0	0	0	0	0
	Total	-0.120	0	0 -	-3	-3
FTE		0.0	0.0	0.0	0.0	0.0

# Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adi Type	
2017	0	0	0	0.0	1-Sided Adj	
Explanation:	Adjustment to remove cost re	elated to dues ex	pense			
2017 Total	0	0	0	0.0		
2018 Total	0	0	0	0.0		
2019 Total	0	0	0	0.0		
2020	0	-3	0	0.0	1-Sided Adj	
Explanation:	Incremental COVID-related of Catastrophic Event Memoral			requested f	or recovery through a non-GRC	
2020	0	0	0	0.0	1-Sided Adj	
Explanation:	Adjustment to remove cost re	elated to dues ex	pense			
2020 Total	0	-3	0	0.0		
2021	0	-3	0	0.0	1-Sided Adj	
Explanation:	Incremental COVID-related of Catastrophic Event Memoral			requested f	or recovery through a non-GRC	
2021	0	0	0	0.0	1-Sided Adj	
Explanation:	Adjustment to remove costs	related to dues e	expense			
2021 Total	0	-3	0	0.0		

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. PIPELINE SAFETY & COMPLIANCE

Category-Sub:

Cost Center: 2200-2473.000 - PIPELINE SAFETY & COMPLIANCE

## RAMP Item # 1

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 2

RAMP Line Item Name: Pipeline Safety & Compliance Oversight

Tranche(/s): Tranche1: NA

### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical	2022	2023	2024	2024 RAMP Range (2020 Incurred \$)	
	Embedded Cost (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	Forecast (2021 \$)	Low	urrea \$) High
Tranche 1 Cost Estimate	441	441	534	534	682	825

## **Cost Estimate Changes from RAMP:**

The GRC forecast for this mitigation is split with other workpapers in my witness area (2200-2042 & 2200-2551.000).

### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

## **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: A. PIPELINE SAFETY & COMPLIANCE

Category-Sub:

Cost Center: 2200-2473.000 - PIPELINE SAFETY & COMPLIANCE

## RAMP Item # 2

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 8

RAMP Line Item Name: Pipeline Safety Self-Assessment

Tranche(/s): Tranche1: NA

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP R (2020 Inci	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	441	441	476	476	300	434

## **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

## Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

## **RSE Changes from RAMP:**

Area:	
Witness:	
Category:	
Cost Center:	VARIOUS

# **Summary for Category:**

Labor Non-Labor NSE

> Total FTE

	In 2021\$ (000) Incurred Costs							
Adjusted-Recorded	Adjusted-Forecast							
2021	2022	2022 2023						
	•							
0	0	0	0					

Beginning of Workpaper 2200-2551.000 - PIPELINE SAFETY OVERSIGHT

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: B. PIPELINE SAFETY OVERSIGHT

Category-Sub

Cost Center: 2200-2551.000 - PIPELINE SAFETY OVERSIGHT

### **Activity Description:**

The Pipeline Safety Oversight department pursues continuous improvement on incident investigation, evaluation and lessons learned by providing objective analysis, identifying opportunities and tracking mitigations that leads to enterprise process improvements and minimizing the possibility of recurrence. The department conduct effectiveness reviews to gauge the corrective actions achieving their intended purpose for risk assessment and continual opportunity.

The Compliance Improvement Oversight Process (CIOP) group is a sub-team of the Pipeline Safety Oversight group. CIOP team is responsible for coordinating and tracking the Corrective Action items through completion for items with significant risk. The action items resulted from the Incident Evaluations Process (IEP) Corrective Actions, compliance audits, field inspections, gas incidents, safety citations programs among others. The CIOP team is responsible for leading and supporting the Effectiveness Reviews and Lessons Learned sharing and documentation.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

The forecast method developed for this cost category to labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus on a continued emphasis to support the Federal Code of Regulation §192.617 Investigation of Failures through planned enhancements of incident investigations, evaluations and lessons learned across the company. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group and require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### Non-Labor - Base YR Rec

The forecast method developed for this cost category to non-labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus on a continued emphasis to support the Federal Code of Regulation §192.617 Investigation of Failures through planned enhancements of incident investigations, evaluations and lessons learned across the company. Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group and require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### **NSE - Base YR Rec**

NSE is not applicable to this workgroup.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: B. PIPELINE SAFETY OVERSIGHT

Category-Sub

Cost Center: 2200-2551.000 - PIPELINE SAFETY OVERSIGHT

## **Summary of Results:**

		In 2021\$ (000) Incurred Costs								
		Adju	sted-Recor	Adjusted-Forecast						
Years	2017	2018	2019	2020	2021	2022	2023	2024		
Labor	357	688	589	616	608	608	816	816		
Non-Labor	8	23	44	12	19	19	85	29		
NSE	0	0	0	0	0	0	0	0		
Total	364	711	633	628	627	627	901	845		
FTE	2.7	5.8	5.0	5.4	5.3	5.3	7.3	7.3		

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: B. PIPELINE SAFETY OVERSIGHT

Category-Sub:

Cost Center: 2200-2551.000 - PIPELINE SAFETY OVERSIGHT

### **Cost Center Allocations (Incurred Costs):**

Directly Retained
Directly Allocated
Subj. To % Alloc.
Total Incurred
% Allocation
Retained
SEU
CORP
Unreg

	2021 Adjusted-Recorded				2022 Adjusted-Forecast					
Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE	
0	0	0	0	0.0	0	0	0	0	0.0	
0	0	0	0	0.0	0	0	0	0	0.0	
608	19	0	627	5.3	608	19	0	627	5.3	
608	19	0	627	5.3	608	19	0	627	5.3	
80.00%	80.00%				80.00%	80.00%				
20.00%	20.00%				20.00%	20.00%				
0.00%	0.00%				0.00%	0.00%				
0.00%	0.00%				0.00%	0.00%				

Directly Retained
Directly Allocated
Subj. To % Alloc.
Total Incurred
% Allocation
Retained
SEU
CORP
Unreg

	2023 Adju	sted-Fore	cast			2024 Adju	sted-Fore	cast	
Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
0	0	0	0	0.0	0	0	0	0	0.0
0	0	0	0	0.0	0	0	0	0	0.0
816	85	0	901	7.3	816	29	0	845	7.3
816	85	0	901	7.3	816	29	0	845	7.3
80.00%	80.00%				80.00%	80.00%			
20.00%	20.00%				20.00%	20.00%			
0.00%	0.00%				0.00%	0.00%			
0.00%	0.00%				0.00%	0.00%			

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: B. PIPELINE SAFETY OVERSIGHT

Category-Sub:

Cost Center: 2200-2551.000 - PIPELINE SAFETY OVERSIGHT

#### **Cost Center Allocation Percentage Drivers/Methodology:**

### **Cost Center Allocation Percentage for 2021**

Labor - Each employee was reviewed individually by the cost center manager to determine the amount of time each employee dedicates to SDG&E and SCG in the performance of routine activities. The individual amounts per employee were rolled up into a cost center. Non-Labor - Incidental administrative office supplies and employee support expenses such as telephones, computers, travel, etc are the only shared SDG&E non-labor expenses and are shared in direct proportion as labor.

### **Cost Center Allocation Percentage for 2022**

Labor - Each employee was reviewed individually by the cost center manager to determine the amount of time each employee dedicates to SDG&E and SCG in the performance of routine activities. The individual amounts per employee were rolled up into a cost center. Non-Labor - Incidental administrative office supplies and employee support expenses such as telephones, computers, travel, etc are the only shared SDG&E non-labor expenses and are shared in direct proportion as labor.

#### **Cost Center Allocation Percentage for 2023**

Labor - Each employee was reviewed individually by the cost center manager to determine the amount of time each employee dedicates to SDG&E and SCG in the performance of routine activities. The individual amounts per employee were rolled up into a cost center. Non-Labor - Incidental administrative office supplies and employee support expenses such as telephones, computers, travel, etc are the only shared SDG&E non-labor expenses and are shared in direct proportion as labor.

#### **Cost Center Allocation Percentage for 2024**

Labor - Each employee was reviewed individually by the cost center manager to determine the amount of time each employee dedicates to SDG&E and SCG in the performance of routine activities. The individual amounts per employee were rolled up into a cost center. Non-Labor - Incidental administrative office supplies and employee support expenses such as telephones, computers, travel, etc are the only shared SDG&E non-labor expenses and are shared in direct proportion as labor.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: B. PIPELINE SAFETY OVERSIGHT

Category-Sub:

Cost Center: 2200-2551.000 - PIPELINE SAFETY OVERSIGHT

#### **Summary of Adjustments to Forecast:**

	In 2021 \$(000) Incurred Costs									
Forecas	t Method	Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years	s	2022	2023	2024	2022	2023	2024	2022	2023	2024
Labor	Base YR Rec	608	608	608	0	208	208	608	816	816
Non-Labor	Base YR Rec	19	19	19	0	66	10	19	85	29
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	ıl	627	627	627	0	274	218	627	901	845
FTE	Base YR Rec	5.3	5.3	5.3	0.0	2.0	2.0	5.3	7.3	7.3

#### **Forecast Adjustment Details:**

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u>	Adj Type
2022 Total	0	0	0	0	0.0	
2023	97	5	0	102	1.0	1-Sided Adj

**Explanation:** 

RAMP (CFF6-2): RAMP Incremental; SCG-CFF-6 - Safety Management System - 2: Pipeline Safety & Compliance Oversight: Incremental FTE to support enhancing the reporting in the Compliance Improvement Oversight Process (CIOP). CIOP is responsible for coordinating and tracking across departments the Corrective Actions in response to reports on compliance audits, construction inspections and incident investigations, among others, through completion.

Calculation:

Labor cost for Specialist/Analyst: 1 FTE X \$96.65K = \$97k Non-labor cost for employee expenses: 1 FTE X \$5K = \$5k

2023 **Explanation**:

111 5 0 116 1.0 1-Sided Adj RAMP (CFF6-5): RAMP Incremental; SCG-CFF-6 - Safety Management System – 5 – Develop

Incident Evaluation Central Database and Further Enhance Causal Analysis Training: Incremental FTE to support enhancing the Incident Evaluation Process - The incident evaluation process identifies corrective actions from a systematic perspective that lead to enterprise-wide process improvement to

minimize the possibility of a recurrence.

Calculation:

Labor cost for Advisor position: 1 FTE X \$111.25K = \$111k Non-labor cost for employee expenses: 1 FTE X \$5K = \$5k

2023

0

56

56

0

0.0

1-Sided Adj

Explanation: RAMP (CFF6-3): RAMP Incremental; SCG-CFF-6 - Safety Management System - 3 - Continuous

Improvement and Quality Assurance: Implement a formalized Root Cause Analysis Training Program - This program will promote effective and consistency incident investigation across the company.

Calculation:

Non-labor: \$56k (Root Cause Analysis 5-day Training = \$34.5K, 3-day Train-the-Trainer Program =

\$21.5k)

2023 Total 208 66 0 274 2.0

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: B. PIPELINE SAFETY OVERSIGHT

Category-Sub:

Cost Center: 2200-2551.000 - PIPELINE SAFETY OVERSIGHT

Cost Center:	2200-2551.000 - PII	PELINE SAF	ETY OVERSION	GHT		
<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj_Type
2024	97	5	0	102	1.0	1-Sided Adj
Explanation:	RAMP (CFF6-2): RAMP & Compliance Oversight Improvement Oversight departments the Correct inspections and incident Calculation: Labor cost for Specialist Non-labor cost for emplo	:: Incremental Process (CIC ive Actions in investigation /Analyst: 1 F	FTE to suppo DP). CIOP is real response to response to response to response to real s, among other	ort enhancing to esponsible for eports on comers, through co = \$97k	he reporting in coordinating ar upliance audits	the Compliance nd tracking across
2024	111	5	0	116	1.0	1-Sided Adj
Explanation:	RAMP (CFF6-5): RAMP Incident Evaluation Cent to support enhancing the corrective actions from a minimize the possibility of Calculation: Labor cost for Advisor po Non-labor cost for employed	iral Database Incident Eva Isystematic pof a recurrence Distion: 1 FTE	and Further Ealuation Proce perspective that ce.	Enhance Causa ss - The incide at lead to enter	al Analysis Trai ent evaluation p	ning : Incremental FTE process identifies
2024 Total	208	10	0	218	2.0	

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: B. PIPELINE SAFETY OVERSIGHT

Category-Sub:

Cost Center: 2200-2551.000 - PIPELINE SAFETY OVERSIGHT

### **Determination of Adjusted-Recorded (Incurred Costs):**

acinimation of Aujusteu	-Recorded (incurred Cos 2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
corded (Nominal \$)*					
Labor	276	543	469	502	516
Non-Labor	7	22	42	14	21
NSE	0	0	0	0	0
Total	283	565	510	517	538
FTE	2.3	4.9	4.2	4.5	4.5
djustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	-3	-2
NSE	0	0	0	0	0
Total	0	0	0	-3	-2
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Nomin	al \$)				
Labor	276	543	469	502	516
Non-Labor	7	22	42	12	19
NSE	0	0	0	0	0
Total	283	564	510	514	536
FTE	2.3	4.9	4.2	4.5	4.5
acation & Sick (Nominal \$	5)				
Labor	47	93	89	88	91
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	47	93	89	88	91
FTE	0.4	0.9	0.8	0.9	0.8
scalation to 2021\$					
Labor	34	52	32	25	0
Non-Labor	1	2	2	0	0
NSE	0	0	0	0	0
Total	35	54	34	26	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2021\$)				
Labor	357	688	589	616	608
Non-Labor	8	23	44	12	19
NSE	0	0	0	0	0
Total	364	711	633	628	627
FTE	2.7	5.8	5.0	5.4	5.3

<sup>\*</sup> After company-wide exclusions of Non-GRC costs

<sup>\*\*</sup> Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: B. PIPELINE SAFETY OVERSIGHT

Category-Sub:

Cost Center: 2200-2551.000 - PIPELINE SAFETY OVERSIGHT

## 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	-0.315	0	-3	-2			
NSE		0	0	0	0	0			
	Total		-0.315	0	-3	-2			
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:	Adjustment to remove cost	related to dues ex	xpense						
2018 Total	0	0	0	0.0					
2019 Total	0	0	0	0.0					
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	0	0	0.0	1-Sided Adj				
Explanation:	Adjustment to remove cost	related to dues ex	xpense						
2020 Total	0	-3	0	0.0					
2021	0	-2	0	0.0	1-Sided Adj				
Explanation:	Incremental COVID-related Catastrophic Event Memora		•	requested f	or recovery through a non-GRC				
2021 Total	0	-2	0	0.0					

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: B. PIPELINE SAFETY OVERSIGHT

Category-Sub:

Cost Center: 2200-2551.000 - PIPELINE SAFETY OVERSIGHT

## RAMP Item # 1

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 5

RAMP Line Item Name: Develop Incident Evaluation Central Database and Further Enhance Causal Analysis

Training

Tranche(/s): Tranche1: N/A

# **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP R (2020 Inci	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	209	209	325	325	100	145

### **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

# **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

# Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

## Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

## **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: B. PIPELINE SAFETY OVERSIGHT

Category-Sub:

Cost Center: 2200-2551.000 - PIPELINE SAFETY OVERSIGHT

## RAMP Item # 2

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 2

RAMP Line Item Name: Pipeline Safety & Compliance Oversight

Tranche(/s): Tranche1: NA

### **GRC Forecast Cost Estimates (\$000)**

					2024		
	2021 Historical Embedded Cost	2022	2023	2024	RAMP Range (2020 Incurred \$)		
		Forecast	Forecast	Forecast			
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High	
Tranche 1 Cost Estimate	209	209	311	311	682	825	

## **Cost Estimate Changes from RAMP:**

The GRC forecast for this mitigation is split with another workpapers in my witness area (2200-2473).

<b>GRC Work Unit/Activi</b>	v Level Estimates
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Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

## Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

## **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: B. PIPELINE SAFETY OVERSIGHT

Category-Sub:

Cost Center: 2200-2551.000 - PIPELINE SAFETY OVERSIGHT

## RAMP Item # 3

#### **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 3

RAMP Line Item Name: Continuous Improvement and Quality Assurance

Tranche(/s): Tranche1: NA

### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost			2024 Forecast	2024 RAMP Range (2020 Incurred \$)	
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	209	209	265	209	1,940	2,349

#### **Cost Estimate Changes from RAMP:**

The GRC forecast for this mitigation is split with several workpapers in my witness area (2SM002, 2SM005 and 2200-2551.000).

### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast		2024 Forecast	2024 RAMP Range Activities	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

#### Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

## **RSE Changes from RAMP:**

Area:	
Witness:	
Category:	
Cost Center:	VARIOUS

Labor Non-Labor

# **Summary for Category:**

Adjusted-Recorded	In 2021\$ (000) Incurred Costs Adjusted-Recorded Adjusted-Forecast									
2021	2022	2023	2024							
0	0	0	0							

NSE 0 0
Total
FTE

Beginning of Workpaper 2200-2409.000 - COMPLIANCE ASSURANCE

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: C. COMPLIANCE ASSURANCE

Category-Sub

Cost Center: 2200-2409.000 - COMPLIANCE ASSURANCE

#### **Activity Description:**

The Compliance Assurance team supports the data accuracy of maintenance and inspection records for SCG Gas Distribution, which also contributes to records management. Specifically, this group creates data validation tools to identify missing or incorrect information.

This Compliance Assurance team develops and manages SAP custom user interfaces used by five SCG Gas Distribution organizations (Gas Distribution Operations, Field Operation Supervisors, Leakage Clerical and Supervisor, System Protection Clerical and Supervisors, District Operations Clerks and Dispatch). These custom user interfaces provide the users with standardized methods of managing Gas Distribution assets maintained in SAP as well has order management for those assets. This team also manages 23 M&I Compliance reports which supports SCG Gas Distribution through the CPUC auditing process. Moreover, this team provides ad-hoc data support for many special projects, including those within the SB1371 project scope including Large Leak Prioritization, Leak Abatement, and Aerial Methane Mapping, the Transforming Our Business initiative, the Electronic Leak Survey project team, and Gas Distribution Managers and Directors.

#### Forecast Explanations:

#### Labor - Base YR Rec

The forecast method developed for this cost category to labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus a greater emphasis to support enhancements to the Compliance Assurance Program activities and remain compliant per Gas Standards and Federal Code of Regulations (49 CFR Part 192). Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group and require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### Non-Labor - Base YR Rec

The forecast method developed for this cost category to non-labor expense is the base year method because this forecasting methodology serves to represent this workgroup growth and historical spend more accurately. Incremental adjustments will focus a greater emphasis to support enhancements to the Compliance Assurance Program activities and remain compliant per Gas Standards and Federal Code of Regulations (49 CFR Part 192). Therefore, SoCalGas anticipates increasing mitigation programs to be implemented within this group and require additional staffing and resources. An average or linear trend could not account for anticipated growth in the activities for this cost category.

#### NSE - Base YR Rec

NSE is not applicable to this workgroup.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: C. COMPLIANCE ASSURANCE

Category-Sub

Cost Center: 2200-2409.000 - COMPLIANCE ASSURANCE

## **Summary of Results:**

		In 2021\$ (000) Incurred Costs									
		Adju	sted-Recor	ded		Ad	justed-Fore	cast			
Years	2017	2018	2019	2020	2021	2022	2023	2024			
Labor	923	588	508	370	393	393	519	519			
Non-Labor	35	34	-5	5	6	6	11	11			
NSE	0	0	0	0	0	0	0	0			
Total	959	622	503	375	399	399	530	530			
FTE	8.5	5.7	4.7	3.4	3.6	3.6	4.6	4.6			

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: C. COMPLIANCE ASSURANCE

Category-Sub:

Cost Center: 2200-2409.000 - COMPLIANCE ASSURANCE

#### **Cost Center Allocations (Incurred Costs):**

Directly Retained
Directly Allocated
Subj. To % Alloc.
Total Incurred
% Allocation
Retained
SEU
CORP

Unreg

	2021 Adju	sted-Reco	rded		2022 Adjı	usted-Fore	cast		
Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
5	0	0	5	0.0	5	0	0	5	0.0
0	0	0	0	0.0	0	0	0	0	0.0
388	6	0	394	3.6	388	6	0	394	3.6
393	6	0	399	3.6	393	6	0	399	3.6
87.00%	87.00%				90.00%	90.00%			
13.00%	13.00%				10.00%	10.00%			
0.00%	0.00%	•			0.00%	0.00%		•	
0.00%	0.00%				0.00%	0.00%			

Directly Retained
Directly Allocated
Subj. To % Alloc.
Total Incurred
% Allocation
Retained
SEU
CORP
Unreg

	2023 Adju	sted-Fore	cast	2024 Adjusted-Forecas			cast		
Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
5	0	0	5	0.0	5	0	0	5	0.0
0	0	0	0	0.0	0	0	0	0	0.0
514	11	0	525	4.6	514	11	0	525	4.6
519	11	0	530	4.6	519	11	0	530	4.6
90.00%	90.00%				90.00%	90.00%			
10.00%	10.00%				10.00%	10.00%			
0.00%	0.00%				0.00%	0.00%			
0.00%	0.00%				0.00%	0.00%			

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: C. COMPLIANCE ASSURANCE

Category-Sub:

Cost Center: 2200-2409.000 - COMPLIANCE ASSURANCE

#### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2021**

Compliance Assurance supports the data accuracy of maintenance and inspection records for SCG and SDG&E Gas Distribution, which also contributes to records management. Specifically, this group creates data validation tools to identify missing or incorrect information. Shared service dollars were allocated based on the ratio of number of miles of pipe within each utility.

### **Cost Center Allocation Percentage for 2022**

Compliance Assurance supports the data accuracy of maintenance and inspection records for SCG and SDG&E Gas Distribution, which also contributes to records management. Specifically, this group creates data validation tools to identify missing or incorrect information. Historically, these shared service dollars were allocated based on the ratio of number of miles of pipe within each utility. With the recent introduction of a new SDG&E dedicated Compliance team (2100-3990), the support responsibilities of Compliance Assurance (2200-2409) has been reduced and is reflected in the change of percentage allocated to each utility.

#### **Cost Center Allocation Percentage for 2023**

Compliance Assurance supports the data accuracy of maintenance and inspection records for SCG and SDG&E Gas Distribution, which also contributes to records management. Specifically, this group creates data validation tools to identify missing or incorrect information. Historically, these shared service dollars were allocated based on the ratio of number of miles of pipe within each utility. With the recent introduction of a new SDG&E dedicated Compliance team (2100-3990), the support responsibilities of Compliance Assurance (2200-2409) has been reduced and is reflected in the change of percentage allocated to each utility.

## **Cost Center Allocation Percentage for 2024**

Compliance Assurance supports the data accuracy of maintenance and inspection records for SCG and SDG&E Gas Distribution, which also contributes to records management. Specifically, this group creates data validation tools to identify missing or incorrect information. Historically, these shared service dollars were allocated based on the ratio of number of miles of pipe within each utility. With the recent introduction of a new SDG&E dedicated Compliance team (2100-3990), the support responsibilities of Compliance Assurance (2200-2409) has been reduced and is reflected in the change of percentage allocated to each utility.

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: C. COMPLIANCE ASSURANCE

Category-Sub:

Cost Center: 2200-2409.000 - COMPLIANCE ASSURANCE

#### **Summary of Adjustments to Forecast:**

	In 2021 \$(000) Incurred Costs										
Forecas	t Method	Bas	Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years	s	2022	2023	2024	2022	2023	2024	2022	2023	2024	
Labor	Base YR Rec	393	393	393	0	126	126	393	519	519	
Non-Labor	Base YR Rec	6	6	6	0	5	5	6	11	11	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	ıl	399	399	399	0	131	131	399	530	530	
FTE	Base YR Rec	3.6	3.6	3.6	0.0	1.0	1.0	3.6	4.6	4.6	

#### **Forecast Adjustment Details:**

<u>Year</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj Type
2022 Total	0	0	0	0	0.0	
2023	126	5	0	131	1.0	1-Sided Adj

**Explanation:** 

RAMP (CFF6-7): RAMP Incremental; SCG-CFF-6 - Safety Management System - 7 - Expand Compliance Assurance Program: FTE to support enhancements to the Compliance Assurance Program - As we continue to mature the Compliance Assurance program, we anticipate a need to increase the capability to (1) automate all maintenance planning activities for Gas Distribution asset types; (2) implement new and enhance existing Inspection Forecasting reports for all Gas Distribution asset types; (3) produce new asset exception reports to identify potential data concerns; and (4) create new custom user interfaces in asset management system for additional user groups.

Calculation:

Labor cost for Advisor position: 1 FTE X \$126K = \$126k Non-labor cost for employee expenses: 1 FTE X \$5K = \$5k

2023 Total	126	5	0	131	1.0	
2024	126	5	0	131	1.0	1-Sided Adj

**Explanation:** 

RAMP (CFF6-7): RAMP Incremental; SCG-CFF-6 - Safety Management System - 7 - Expand Compliance Assurance Program: FTE to support enhancements to the Compliance Assurance Program - As we continue to mature the Compliance Assurance program, we anticipate a need to increase the capability to (1) automate all maintenance planning activities for Gas Distribution asset types; (2) implement new and enhance existing Inspection Forecasting reports for all Gas Distribution asset types; (3) produce new asset exception reports to identify potential data concerns; and (4) create new custom user interfaces in asset management system for additional user groups.

Calculation:

Labor cost for Advisor position: 1 FTE X \$126K = \$126k Non-labor cost for employee expenses: 1 FTE X \$5K = \$5k

2024 Total 126 5 0 131 1.0
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Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: C. COMPLIANCE ASSURANCE

Category-Sub:

Cost Center: 2200-2409.000 - COMPLIANCE ASSURANCE

## **Determination of Adjusted-Recorded (Incurred Costs):**

Determination of Aujusteu-r	2017 (\$000)	2018 (\$000)	2019 (\$000)	2020 (\$000)	2021 (\$000)
Recorded (Nominal \$)*					
Labor	714	464	404	318	336
Non-Labor	32	31	-5	8	8
NSE	0	0	0	0	0
Total	745	495	399	326	344
FTE	7.2	4.8	4.0	3.0	3.1
Adjustments (Nominal \$) **					
Labor	0	0	0	-16	-2
Non-Labor	0	0	0	-3	-2
NSE	0	0	0	0	0
Total		0	0	-19	-4
FTE	0.0	0.0	0.0	-0.2	-0.1
Recorded-Adjusted (Nomina	l \$)				
Labor	714	464	404	302	334
Non-Labor	32	31	-5	4	6
NSE	0	0	0	0	0
Total	745	495	399	306	340
FTE	7.2	4.8	4.0	2.8	3.0
acation & Sick (Nominal \$)					
Labor	121	80	77	53	59
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	121	80	77	53	59
FTE	1.3	0.9	0.7	0.6	0.6
scalation to 2021\$					
Labor	89	44	27	15	0
Non-Labor	3	3	0	0	0
NSE	0	0	0	0	0
Total	92	47	27	15	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constar	nt 2021\$)				
Labor	923	588	508	370	393
Non-Labor	35	34	-5	5	6
NSE	0	0	0	0	0
Total	959	622	503	375	399
FTE	8.5	5.7	4.7	3.4	3.6

<sup>\*</sup> After company-wide exclusions of Non-GRC costs

<sup>\*\*</sup> Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: C. COMPLIANCE ASSURANCE

Category-Sub:

Cost Center: 2200-2409.000 - COMPLIANCE ASSURANCE

## Summary of Adjustments to Recorded:

		In Nominal	\$ (000) Incurred Co	osts		
	Years	2017	2018	2019	2020	2021
Labor		0	0	0	-16	-2
Non-Labor		0	0	0	-3	-2
NSE		0	0	0	0	0
	Total		0 -	0 -	-19	-4
FTE		0.0	0.0	0.0	-0.2	-0.1

# Detail of Adjustments to Recorded:

Year	Labor	NLbr	NSE	FTE	Adi Type
2017 Total	0	0	0	0.0	Auj Type
2017 10tai	U	U	U	0.0	
2018 Total	0	0	0	0.0	
2019 Total	0	0	0	0.0	
2020	0	-3	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related Catastrophic Event Memora		•	requested f	or recovery through a non-GRC
2020	-16	0	0	-0.2	CCTR Transf To 2200-2011.001
Explanation:	Transfer costs to GOSI CC	2200-2011.001 rel	ated to SB13	71 (BLP) Er	nissions Strategy Program
2020 Total	-16	-3	0	-0.2	
2021	0	-2	0	0.0	1-Sided Adj
Explanation:	Incremental COVID-related Catastrophic Event Memora			requested f	or recovery through a non-GRC
2021	-2	0	0	-0.1	1-Sided Adj
Explanation:	Adjustment to remove non- recovered through a separa			71 Emission	s Strategy Program that are being
2021 Total	-2	-2	0	-0.1	

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

Category: C. COMPLIANCE ASSURANCE

Category-Sub:

Cost Center: 2200-2409.000 - COMPLIANCE ASSURANCE

## RAMP Item # 1

# **RAMP Activity**

RAMP Chapter: SCG-CFF-6 Safety Management System

RAMP Line Item ID: 7

RAMP Line Item Name: Expand Compliance Assurance Program

Tranche(/s): Tranche1: N/A

### **GRC Forecast Cost Estimates (\$000)**

	2021 Historical Embedded Cost	2022 Forecast	2023 Forecast	2024 Forecast	2024 RAMP R (2020 Inci	ange
	(2021 \$)	(2021 \$)	(2021 \$)	(2021 \$)	Low	High
Tranche 1 Cost Estimate	399	399	530	530	300	434

## **Cost Estimate Changes from RAMP:**

GRC forecast is outside the RAMP range due to a forecast update.

#### **GRC Work Unit/Activity Level Estimates**

Unit of	2021 Historical Embedded	2022 Forecast	2023 Forecast	2024 Forecast	2024 RA Range Act	
Measure	Activities	Activities	Activities	Activities	Low	High
Tranche 1 NA	0.00	0.00	0.00	0.00	0.00	0.00

#### Work Unit Changes from RAMP:

A unit range description was not provided in RAMP.

## Risk Spend Efficiency (RSE)

	GRC RSE	RAMP RSE	
Tranche 1	0.000	0.000	

## **RSE Changes from RAMP:**

Area: SAFETY MANAGEMENT SYSTEMS

Witness: Neena N. Master

# Appendix A: List of Non-Shared Cost Centers

Cost Center	Sub	<u>Description</u>
2200-0050	000	DIRECTOR OF SAFETY MANAGEMENT SYSTEMS
2200-0613	000	EMERGENCY SRVCS
2200-0849	000	CHIEF SAFETY OFFICER
2200-2030	000	SMS CONTINOUS IMPROVEMENT
2200-2031	000	SMS STRATEGY
2200-2036	000	SAFETY MANAGEMENT
2200-2037	000	SMS TRAINING & EXECUTION
2200-2042	000	SMS TECHNOLOGY & ANALYTICS
2200-2157	000	SCG FIELD SAFETY
2200-2161	000	INCIDENT CLAIMS
2200-2202	000	AFFILIATE COMPLIANCE - NORTH
2200-2241	000	DIR PIPELINE SAFETY & COMPLIANCE
2200-2267	000	SAFETY PROGRAMS NORTH
2200-2270	000	DIR SAFETY, WELLNESS & EMERGENCY SRVCS
2200-2530	000	QUALITY RISK & COMPLIANCE MGMT
2200-7240	000	QUALITY RISK & COMPLIANCE MGMT - from 2200-2530