

Application of SOUTHERN CALIFORNIA GAS )  
COMPANY for authority to update its gas revenue )  
requirement and base rates )  
effective January 1, 2019 (U 904-G) )

Application No. 17-10-\_\_\_\_

Exhibit No.: (SCG-23-WP)

WORKPAPERS TO  
PREPARED DIRECT TESTIMONY  
OF CARMEN L. HERRERA  
ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY

BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA

OCTOBER 2017



**2019 General Rate Case - APP  
INDEX OF WORKPAPERS**

**Exhibit SCG-23-WP - FLEET & FACILITIES**

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**Overall Summary For Exhibit No. SCG-23-WP**

<b>Area:</b>	<b>FLEET &amp; FACILITIES</b>
<b>Witness:</b>	<b>Carmen L. Herrera</b>

Description	In 2016 \$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2016	2017	2018	2019
<b>Non-Shared Services</b>	57,124	73,916	84,272	90,751
<b>Shared Services</b>	5,736	6,190	6,345	6,345
<b>Total</b>	<b>62,860</b>	<b>80,106</b>	<b>90,617</b>	<b>97,096</b>

*Note: Totals may include rounding differences.*

Southern California Gas Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera

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

Description	In 2016 \$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2016	2017	2018	2019
A. Ownership Costs	20,342	29,724	39,204	45,561
B. Maintenance Operations	21,110	25,255	25,455	25,845
C. Fleet Management	502	1,133	1,100	1,100
D. Facility Operations	15,170	17,804	18,513	18,245
<b>Total</b>	<b>57,124</b>	<b>73,916</b>	<b>84,272</b>	<b>90,751</b>

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Ownership Costs  
Workpaper: VARIOUS

**Summary for Category: A. Ownership Costs**

	In 2016\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2016	2017	2018	2019
Labor	0	0	0	0
Non-Labor	20,342	-1,761	-1,257	-1,754
NSE	0	31,485	40,461	47,315
<b>Total</b>	<b>20,342</b>	<b>29,724</b>	<b>39,204</b>	<b>45,561</b>
FTE	0.0	0.0	0.0	0.0

**Workpapers belonging to this Category:**

**2RF003.001 Amortization**

Labor	0	0	0	0
Non-Labor	17,761	0	0	0
NSE	0	25,172	30,991	35,175
<b>Total</b>	<b>17,761</b>	<b>25,172</b>	<b>30,991</b>	<b>35,175</b>
FTE	0.0	0.0	0.0	0.0

**2RF003.002 Interest**

Labor	0	0	0	0
Non-Labor	1,604	0	0	0
NSE	0	2,961	4,397	5,956
<b>Total</b>	<b>1,604</b>	<b>2,961</b>	<b>4,397</b>	<b>5,956</b>
FTE	0.0	0.0	0.0	0.0

**2RF003.003 Salvage**

Labor	0	0	0	0
Non-Labor	-813	-1,761	-1,257	-1,754
NSE	0	0	0	0
<b>Total</b>	<b>-813</b>	<b>-1,761</b>	<b>-1,257</b>	<b>-1,754</b>
FTE	0.0	0.0	0.0	0.0

**2RF003.004 License Fees & Sales Tax**

Labor	0	0	0	0
Non-Labor	1,790	0	0	0
NSE	0	3,352	5,073	6,184
<b>Total</b>	<b>1,790</b>	<b>3,352</b>	<b>5,073</b>	<b>6,184</b>
FTE	0.0	0.0	0.0	0.0

*Note: Totals may include rounding differences.*

**Beginning of Workpaper**  
**2RF003.001 - Amortization**

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Ownership Costs  
Category-Sub: 1. Amortization  
Workpaper: 2RF003.001 - Amortization

**Activity Description:**

Vehicle acquisitions are financed through a lease. This activity represents the annual repayment of principal for the fleet leases composed of active lease obligations for vehicles in the fleet and new lease obligations for replacements or additions to the fleet. Replacement scheduling is based on targeted useful lives of vehicles by various classes and amortization costs for each year are forecasted. Fleet Services projects the pay-down of active lease obligations, applies specified lease duration terms to new fleet vehicles scheduled to be placed in service during each forecast year. This activity covers one time payments associated with retirement of lease obligations. Vehicle replacement schedules and amortization terms vary according to the economic life of each class of vehicles and lifecycles are managed with the goal of achieving the lower total ownership cost for each class.

**Forecast Explanations:**

**Labor - Zero-Based**

The labor costs for managing this activity are recorded in a separate activity.

**Non-Labor - Zero-Based**

Not applicable. Addressed under NSE - Zero-Based.

**NSE - Zero-Based**

Vehicle replacements are based on the physical condition and economic life. Therefore, historical trends and averages do not accurately reflect the future amortization payment stream applicable to the existing fleet portfolio. Our forecast was derived by taking into consideration the fleet requirements and estimating the remaining economic life based on the total cost of ownership and replacement life cycle. We applied Global Insights utility non-labor escalation to bring new vehicle purchase prices current to the purchase year. We used straight line amortization to project from the purchase year through the lease term for each vehicle. Our forecast also considers the backlog of vehicles that need replacement in 2017 through 2019, incremental vehicle additions requested by various operating groups, a premium for Alternative Fuel Vehicles, and CARB compliance replacements (ATCM).

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		0	0	0	0	0	0	0	0	
Non-Labor		14,572	14,619	17,920	17,659	17,761	0	0	0	
NSE		0	0	0	0	0	25,172	30,991	35,175	
<b>Total</b>		<b>14,572</b>	<b>14,619</b>	<b>17,920</b>	<b>17,659</b>	<b>17,761</b>	<b>25,172</b>	<b>30,991</b>	<b>35,175</b>	
FTE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Ownership Costs  
Category-Sub: 1. Amortization  
Workpaper: 2RF003.001 - Amortization

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	Zero-Based	0	0	0	0	0	0	0	0	0
Non-Labor	Zero-Based	0	0	0	0	0	0	0	0	0
NSE	Zero-Based	0	0	0	25,172	30,991	35,175	25,172	30,991	35,175
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>25,172</b>	<b>30,991</b>	<b>35,175</b>	<b>25,172</b>	<b>30,991</b>	<b>35,175</b>
FTE	Zero-Based	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Forecast Adjustment Details:**

Year	Adj Group	Labor	NLbr	NSE	Total	FTE	Adj Type	RefID	
2017	Other	0	0	1,848	1,848	0.0	1-Sided Adj	AFUENTES20161205201941017	
<b>Explanation:</b>		Cash Flow Amortization forecast for 290 state-mandated replacement of Airborne Toxic Control Measure (ATCM) vehicles.							
2017	Other	0	0	1,126	1,126	0.0	1-Sided Adj	AFUENTES20170511145218060	
<b>Explanation:</b>		Cash Flow Amortization forecast for 143 additional incremental vehicles required by various operating groups.							
2017	Other	0	0	324	324	0.0	1-Sided Adj	AFUENTES20170511145233890	
<b>Explanation:</b>		Cash Flow Amortization forecast to meet majority Alternative Fuel Vehicles (AFV). The cost reflects the incremental cost differential between current replacement cost for a gasoline or diesel vehicle versus an alternative fuel vehicle.							
2017	Other	0	0	21,874	21,874	0.0	1-Sided Adj	AFUENTES20170511145245373	
<b>Explanation:</b>		Cash Flow Amortization forecast for existing replacement and backlog. The forecast considers the backlog of vehicles that need replacement in the years 2017-2019.							
<b>2017 Total</b>		<b>0</b>	<b>0</b>	<b>25,172</b>	<b>25,172</b>	<b>0.0</b>			
2018	Other	0	0	3,407	3,407	0.0	1-Sided Adj	AFUENTES20161205201953870	
<b>Explanation:</b>		Cash Flow Amortization forecast for 275 state-mandated replacement of Airborne Toxic Control Measure (ATCM) vehicles.							
2018	Other	0	0	3,170	3,170	0.0	1-Sided Adj	AFUENTES20170511150238827	
<b>Explanation:</b>		Cash Flow Amortization forecast for 138 additional incremental vehicles required by various operating groups.							

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera



Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Ownership Costs  
 Category-Sub: 1. Amortization  
 Workpaper: 2RF003.001 - Amortization

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj_Type</u>	<u>RefID</u>
2018	RAMP-Post Filing Incre	0	0	35	35	0.0	1-Sided Adj	AFUENTES20170512120401893
<b>Explanation:</b>	RAMP - Employee Contractor Customer and Public Safety (RAMP Chapter 2) - Cash Flow Amortization forecast for 1 RAMP Emergency Services, Emergency Command Vehicle Center.							
2018	Other	0	0	1,334	1,334	0.0	1-Sided Adj	AFUENTES20170511150255627
<b>Explanation:</b>	Cash Flow Amortization forecast to meet majority Alternative Fuel Vehicles (AFV). The cost reflects the incremental cost differential between current replacement cost for a gasoline or diesel vehicle versus an alternative fuel vehicle.							
2018	Other	0	0	23,045	23,045	0.0	1-Sided Adj	AFUENTES20170511150310820
<b>Explanation:</b>	Cash Flow Amortization forecast for existing replacement and backlog. The forecast considers the backlog of vehicles that need replacement in the years 2017-2019.							
<b>2018 Total</b>		<b>0</b>	<b>0</b>	<b>30,991</b>	<b>30,991</b>	<b>0.0</b>		
2019	Other	0	0	4,468	4,468	0.0	1-Sided Adj	AFUENTES20161205202002037
<b>Explanation:</b>	Cash Flow Amortization forecast for 305 state-mandated replacement of Airborne Toxic Control Measure (ATCM) vehicles.							
2019	Other	0	0	4,447	4,447	0.0	1-Sided Adj	AFUENTES20170511150339600
<b>Explanation:</b>	Cash Flow Amortization forecast for 38 additional incremental vehicles required by various operating groups.							
2019	RAMP-Post Filing Incre	0	0	140	140	0.0	1-Sided Adj	AFUENTES20170512121105580
<b>Explanation:</b>	RAMP - Employee Contractor Customer and Public Safety (RAMP Chapter 2) - Cash Flow Amortization forecast for 2 RAMP Emergency Services, Emergency Command Vehicle Centers.							
2019	Other	0	0	1,841	1,841	0.0	1-Sided Adj	AFUENTES20170511150351393
<b>Explanation:</b>	Cash Flow Amortization forecast to meet majority Alternative Fuel Vehicles (AFV). The cost reflects the incremental cost differential between current replacement cost for a gasoline or diesel vehicle versus an alternative fuel vehicle.							
2019	Other	0	0	24,279	24,279	0.0	1-Sided Adj	AFUENTES20170511150404117
<b>Explanation:</b>	Cash Flow Amortization forecast for existing replacement and backlog. The forecast considers the backlog of vehicles that need replacement in the years 2017-2019.							
<b>2019 Total</b>		<b>0</b>	<b>0</b>	<b>35,175</b>	<b>35,175</b>	<b>0.0</b>		

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Ownership Costs  
Category-Sub: 1. Amortization  
Workpaper: 2RF003.001 - Amortization

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	0	0	0	0	0
Non-Labor	14,163	14,439	17,979	17,613	17,761
NSE	0	0	0	0	0
<b>Total</b>	<b>14,163</b>	<b>14,439</b>	<b>17,979</b>	<b>17,613</b>	<b>17,761</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Adjustments (Nominal \$) **</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	0	0	0	0	0
Non-Labor	14,163	14,439	17,979	17,613	17,761
NSE	0	0	0	0	0
<b>Total</b>	<b>14,163</b>	<b>14,439</b>	<b>17,979</b>	<b>17,613</b>	<b>17,761</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Escalation to 2016\$</b>					
Labor	0	0	0	0	0
Non-Labor	409	180	-59	46	0
NSE	0	0	0	0	0
<b>Total</b>	<b>409</b>	<b>180</b>	<b>-59</b>	<b>46</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	0	0	0	0	0
Non-Labor	14,572	14,619	17,920	17,659	17,761
NSE	0	0	0	0	0
<b>Total</b>	<b>14,572</b>	<b>14,619</b>	<b>17,920</b>	<b>17,659</b>	<b>17,761</b>
FTE	0.0	0.0	0.0	0.0	0.0

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Ownership Costs  
 Category-Sub: 1. Amortization  
 Workpaper: 2RF003.001 - Amortization

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Ownership Costs  
Category-Sub: 1. Amortization  
Workpaper: 2RF003.001 - Amortization

**RAMP Item # 1**

Ref ID: AFUENTES20170615160917963

RAMP Chapter: SCG-2

Program Name: Emergency Services

Program Description: Oversees and administers the utility emergency response & incident reporting to regulatory agencies

**Risk/Mitigation:**

Risk: 8.A.5

Mitigation: 0

**Forecast CPUC Cost Estimates (\$000)**

	<u>2017</u>	<u>2018</u>	<u>2019</u>
Low	0	0	0
High	0	0	0

Funding Source: CPUC-GRC

Forecast Method: Zero-Based

Work Type: Non-Mandated

Work Type Citation: Unknown

**Historical Embedded Cost Estimates (\$000)**

Embedded Costs: 0

Explanation:

**Supplemental Workpapers for Workpaper 2RF003.001**

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

SCG-23-ESRF-CLH-2RF003.001 Amortization

<b>Amortization</b>	<b>Year</b>			<b>Total</b>
	<b>2017</b>	<b>2018</b>	<b>2019</b>	
Current Fleet	\$ 20,627,616	\$ 19,774,473	\$ 17,726,737	\$ 58,128,826
Fleet Replacements 2017 through 2019	\$ 1,246,645	\$ 3,270,130	\$ 6,552,574	\$ 11,069,350
Incremental Fleet for Business Needs	\$ 1,124,467	\$ 3,169,880	\$ 4,446,893	\$ 8,741,240
Incremental Fleet for Business Needs RAMP	\$ -	\$ 35,000	\$ 140,000	\$ 175,000
Premium for Alternative Fuel Vehicle (AFV) Replacements	\$ 324,400	\$ 1,334,000	\$ 1,841,000	\$ 3,499,400
Airborne Toxic Control Measures (ATCM) Vehicles	\$ 1,848,442	\$ 3,407,144	\$ 4,467,651	\$ 9,723,237
<b>TOTAL AMORTIZATION =</b>	<b>\$25,171,570</b>	<b>\$30,990,627</b>	<b>\$35,174,856</b>	<b>\$ 91,337,053</b>

<b>Fleet Replacements</b>	<b>Year</b>			<b>Total Units</b>
	<b>2017</b>	<b>2018</b>	<b>2019</b>	
New Fleet Units for Replacements	137	229	187	553
Alternative Fuel Vehicles (AFV) Vehicles	93	58	66	217
Airborne Toxic Control Measures (ATCM) Vehicles	290	275	305	870
<b>TOTAL REPLACEMENT UNITS =</b>	<b>520</b>	<b>562</b>	<b>558</b>	<b>1,640</b>

<b>Incremental Fleet for Business Needs</b>	<b>Year</b>			<b>Total Units</b>
	<b>2017</b>	<b>2018</b>	<b>2019</b>	
Gas Distribution	66	61	58	185
Gas Engineering & Emergency Services	3	1	0	4
Gas Transmission Tech Services	2	2	0	4
Customer Services	31	77	-26	82
Advanced Metering	0	-11	0	-11
Storage	37	3	0	40
Environmental	4	4	4	12
Emergency Services RAMP	0	1	2	3
<b>TOTAL INCREMENTAL UNITS =</b>	<b>143</b>	<b>138</b>	<b>38</b>	<b>319</b>

**SCG-23-ESRF-CLH-2RF003 Replacement Life Cycles**

<b>Major Grouping</b>	<b>Replacement Mileage</b>	<b>Replacement Age (Months)</b>
Automobiles	100,000	84
Compact Truck & Vans	125,000	96
Light Trucks & Vans	125,000 - 175,000	96 - 108
Medium Duty Trucks	200,000	108 - 120
Heavy Duty Trucks	200,000	120
Mechanized Trailers	N/A	144 - 156
Non-Mechanized Trailers	N/A	144 - 156
Power-Operated Equipment	N/A	144

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers  
SCG-23-ESRF-CLH-2RF003 Cash Flow Model Example

VEHICLE #	MAKE	MODEL	LEASE EFFECTIVE DATE	ACQUISITION COST	LEASE TERM (MONTHS)	BASE LEASE PERCENT
12345	FORD	F150	7/1/2017	32,000.00	72	80%

\*Sample Price

Payment Date	Balance	Amortization	Interest	Use Tax	Total
7/1/2017	\$ 32,000	\$ 356	\$ 80	\$ 34	\$ 436
8/1/2017	\$ 31,644	\$ 356	\$ 79	\$ 34	\$ 435
9/1/2017	\$ 31,289	\$ 356	\$ 78	\$ 34	\$ 434
10/1/2017	\$ 30,933	\$ 356	\$ 77	\$ 34	\$ 433
11/1/2017	\$ 30,578	\$ 356	\$ 76	\$ 33	\$ 432
12/1/2017	\$ 30,222	\$ 356	\$ 76	\$ 33	\$ 431
1/1/2018	\$ 29,867	\$ 356	\$ 85	\$ 34	\$ 440
2/1/2018	\$ 29,511	\$ 356	\$ 84	\$ 34	\$ 439
3/1/2018	\$ 29,156	\$ 356	\$ 83	\$ 34	\$ 438
4/1/2018	\$ 28,800	\$ 356	\$ 82	\$ 34	\$ 437
5/1/2018	\$ 28,444	\$ 356	\$ 81	\$ 34	\$ 436
6/1/2018	\$ 28,089	\$ 356	\$ 80	\$ 34	\$ 435
7/1/2018	\$ 27,733	\$ 356	\$ 79	\$ 34	\$ 434
8/1/2018	\$ 27,378	\$ 356	\$ 78	\$ 34	\$ 433
9/1/2018	\$ 27,022	\$ 356	\$ 77	\$ 33	\$ 432
10/1/2018	\$ 26,667	\$ 356	\$ 76	\$ 33	\$ 431
11/1/2018	\$ 26,311	\$ 356	\$ 75	\$ 33	\$ 430
12/1/2018	\$ 25,956	\$ 356	\$ 74	\$ 33	\$ 429
1/1/2019	\$ 25,600	\$ 356	\$ 75	\$ 33	\$ 430
2/1/2019	\$ 25,244	\$ 356	\$ 74	\$ 33	\$ 429
3/1/2019	\$ 24,889	\$ 356	\$ 73	\$ 33	\$ 428
4/1/2019	\$ 24,533	\$ 356	\$ 72	\$ 33	\$ 427
5/1/2019	\$ 24,178	\$ 356	\$ 71	\$ 33	\$ 426
6/1/2019	\$ 23,822	\$ 356	\$ 69	\$ 33	\$ 425
7/1/2019	\$ 23,467	\$ 356	\$ 68	\$ 33	\$ 424
8/1/2019	\$ 23,111	\$ 356	\$ 67	\$ 33	\$ 423
9/1/2019	\$ 22,756	\$ 356	\$ 66	\$ 33	\$ 422
10/1/2019	\$ 22,400	\$ 356	\$ 65	\$ 33	\$ 421
11/1/2019	\$ 22,044	\$ 356	\$ 64	\$ 33	\$ 420
12/1/2019	\$ 21,689	\$ 356	\$ 63	\$ 32	\$ 419
<b>TOTAL =</b>	<b>\$ 10,667</b>	<b>\$ 2,243</b>	<b>\$ 1,001</b>	<b>\$ 12,910</b>	

Sample Interest Rate	
2017	3.000%
2018	3.400%
2019	3.500%

Amortization

The Acquisition Cost is multiplied by the base lease percentage. The resulting Base Lease Amount is divided by the Base Term to arrive at the monthly amortization amount. The amortization starts on the Lease Effective Date.

Interest

Interest is paid in arrears. The interest rate is divided by 360 days and multiplied by 30 days (30/360) to and multiplied by the Lease Balance to calculate monthly interest.

Interest is based on LIBOR plus a contractual spread. Sample interest rates are for illustrative purposes only.

Use Tax

Company has elected to pay monthly use tax rather than pay a sales tax upfront commencing with leases beginning in the later part of 2016. This use tax applies to leases where this election was made and new leases going forward.

7.75 percent use tax rate is multiplied by the sum of amortization and interest.

Total

The Total amount is the sum of amortization, interest, and sales tax, which is the Total monthly payment to lessor.



**SCG-23-ESRF-CLH-2RF003 AFV Premiums (CONFIDENTIAL)**

<b>Vehicle Class</b>	<b>Technology</b>	<b>Premium</b>

This supplemental document contains confidential information. Placeholder

**Beginning of Workpaper**  
**2RF003.002 - Interest**

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Ownership Costs  
 Category-Sub: 2. Interest  
 Workpaper: 2RF003.002 - Interest

**Activity Description:**

This activity consists of interest payments associated with vehicle lease financing, including interest on the outstanding balance of assets currently being amortized, as well as forecasts for acquisitions scheduled as replacements or additions to the fleet each year.

**Forecast Explanations:**

**Labor - Zero-Based**

The labor costs for managing this activity are recorded in a separate activity.

**Non-Labor - Zero-Based**

See NSE explanation for non-labor forecast method explanation.

**NSE - Zero-Based**

Interest costs in each forecast year are calculated from monthly outstanding lease balances multiplied by the London Interbank Offered Rate ("LIBOR") contained in the Global Insight Forecast plus a contractual spread for the payment month, then summed for the year. Use of alternate forecast method(s) or certain historical data is not appropriate because the interest calculations are tied to the forecasted outstanding balances and these balances vary year-to-year depending on the number and value of leases. Details are included in the supplemental documentation.

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		0	0	0	0	0	0	0	0	
Non-Labor		1,460	1,490	1,690	1,481	1,604	0	0	0	
NSE		0	0	0	0	0	2,961	4,397	5,956	
<b>Total</b>		<b>1,460</b>	<b>1,490</b>	<b>1,690</b>	<b>1,481</b>	<b>1,604</b>	<b>2,961</b>	<b>4,397</b>	<b>5,956</b>	
FTE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Ownership Costs  
Category-Sub: 2. Interest  
Workpaper: 2RF003.002 - Interest

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	Zero-Based	0	0	0	0	0	0	0	0	0
Non-Labor	Zero-Based	0	0	0	0	0	0	0	0	0
NSE	Zero-Based	0	0	0	2,961	4,397	5,956	2,961	4,397	5,956
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>2,961</b>	<b>4,397</b>	<b>5,956</b>	<b>2,961</b>	<b>4,397</b>	<b>5,956</b>
FTE	Zero-Based	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Forecast Adjustment Details:**

Year	Adj Group	Labor	NLbr	NSE	Total	FTE	Adj Type	RefID	
2017	Other	0	0	278	278	0.0	1-Sided Adj	AFUENTES20170511150603687	
<b>Explanation:</b>		Cash Flow Interest forecast for 290 state-mandated replacement of Airborne Toxic Control Measure (ATCM) vehicles.							
2017	Other	0	0	213	213	0.0	1-Sided Adj	AFUENTES20170511150537133	
<b>Explanation:</b>		Cash Flow Interest forecast for 143 additional incremental vehicles required by various operating groups.							
2017	Other	0	0	54	54	0.0	1-Sided Adj	AFUENTES20170511150550600	
<b>Explanation:</b>		Cash Flow Interest forecast to meet majority Alternative Fuel Vehicles.							
2017	Other	0	0	2,416	2,416	0.0	1-Sided Adj	AFUENTES20161205201507527	
<b>Explanation:</b>		Cash Flow Interest forecast is based on the lease balance run-out; scheduled vehicle replacements and backlog using the Global Insights ("LIBOR") index plus a contractual spread. Calculation details are contained in workpaper supplementals.							
<b>2017 Total</b>		<b>0</b>	<b>0</b>	<b>2,961</b>	<b>2,961</b>	<b>0.0</b>			
2018	Other	0	0	587	587	0.0	1-Sided Adj	AFUENTES20170511150719287	
<b>Explanation:</b>		Cash Flow Interest forecast for 275 state-mandated replacement of Airborne Toxic Control Measure (ATCM) vehicles.							
2018	Other	0	0	717	717	0.0	1-Sided Adj	AFUENTES20170511150656660	
<b>Explanation:</b>		Cash Flow Interest forecast for 137 additional incremental vehicles required by various operating groups.							

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Ownership Costs  
Category-Sub: 2. Interest  
Workpaper: 2RF003.002 - Interest

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj_Type</u>	<u>RefID</u>
2018	RAMP-Post Filing Incre	0	0	9	9	0.0	1-Sided Adj	AFUENTES20170512122259537
<b>Explanation:</b>		RAMP - Employee Contractor Customer and Public Safety (RAMP Chapter 2) - Cash Flow Interest forecast for 1 RAMP Emergency Services, Emergency Command Vehicle Centers.						
2018	Other	0	0	258	258	0.0	1-Sided Adj	AFUENTES20170511150707560
<b>Explanation:</b>		Cash Flow Interest forecast to meet majority Alternative Fuel Vehicles.						
2018	Other	0	0	2,826	2,826	0.0	1-Sided Adj	AFUENTES20161205201519023
<b>Explanation:</b>		Cash Flow Interest forecast is based on the lease balance run-out; scheduled vehicle replacements and backlog using the Global Insights ("LIBOR") index plus a contractual spread. Calculation details are contained in workpaper supplementals.						
<b>2018 Total</b>		<b>0</b>	<b>0</b>	<b>4,397</b>	<b>4,397</b>	<b>0.0</b>		
2019	Other	0	0	859	859	0.0	1-Sided Adj	AFUENTES20170511150808093
<b>Explanation:</b>		Cash Flow Interest forecast for 305 state-mandated replacement of Airborne Toxic Control Measure (ATCM) vehicles.						
2019	Other	0	0	1,166	1,166	0.0	1-Sided Adj	AFUENTES20170511150740800
<b>Explanation:</b>		Cash Flow Interest forecast for 36 additional incremental vehicles required by various operating groups.						
2019	RAMP-Post Filing Incre	0	0	45	45	0.0	1-Sided Adj	AFUENTES20170512122425780
<b>Explanation:</b>		RAMP - Employee Contractor Customer and Public Safety (RAMP Chapter 2) - Cash Flow Interest forecast for 2 RAMP Emergency Services, Emergency Command Vehicle Centers.						
2019	Other	0	0	397	397	0.0	1-Sided Adj	AFUENTES20170511150751553
<b>Explanation:</b>		Cash Flow Interest forecast to meet majority Alternative Fuel Vehicles.						
2019	Other	0	0	3,489	3,489	0.0	1-Sided Adj	AFUENTES20161205201530133
<b>Explanation:</b>		Cash Flow Interest forecast is based on the lease balance run-out; scheduled vehicle replacements and backlog using the Global Insights ("LIBOR") index plus a contractual spread. Calculation details are contained in workpaper supplementals.						
<b>2019 Total</b>		<b>0</b>	<b>0</b>	<b>5,956</b>	<b>5,956</b>	<b>0.0</b>		

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Ownership Costs  
Category-Sub: 2. Interest  
Workpaper: 2RF003.002 - Interest

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	0	0	0	0	0
Non-Labor	1,419	1,471	1,696	1,477	1,604
NSE	0	0	0	0	0
<b>Total</b>	<b>1,419</b>	<b>1,471</b>	<b>1,696</b>	<b>1,477</b>	<b>1,604</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Adjustments (Nominal \$) **</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	0	0	0	0	0
Non-Labor	1,419	1,471	1,696	1,477	1,604
NSE	0	0	0	0	0
<b>Total</b>	<b>1,419</b>	<b>1,471</b>	<b>1,696</b>	<b>1,477</b>	<b>1,604</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Escalation to 2016\$</b>					
Labor	0	0	0	0	0
Non-Labor	41	18	-6	4	0
NSE	0	0	0	0	0
<b>Total</b>	<b>41</b>	<b>18</b>	<b>-6</b>	<b>4</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	0	0	0	0	0
Non-Labor	1,460	1,490	1,690	1,481	1,604
NSE	0	0	0	0	0
<b>Total</b>	<b>1,460</b>	<b>1,490</b>	<b>1,690</b>	<b>1,481</b>	<b>1,604</b>
FTE	0.0	0.0	0.0	0.0	0.0

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

Southern California Gas Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Ownership Costs  
 Category-Sub: 2. Interest  
 Workpaper: 2RF003.002 - Interest

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Ownership Costs  
Category-Sub: 2. Interest  
Workpaper: 2RF003.002 - Interest

**RAMP Item # 1**

Ref ID: AFUENTES20170615161100863

RAMP Chapter: SCG-2

Program Name: Emergency Services

Program Description: Oversees and administers the utility emergency response & incident reporting to regulatory agencies

**Risk/Mitigation:**

Risk: 8.A.5

Mitigation: 0

**Forecast CPUC Cost Estimates (\$000)**

	<u>2017</u>	<u>2018</u>	<u>2019</u>
Low	0	0	0
High	0	0	0

Funding Source: CPUC-GRC

Forecast Method: Zero-Based

Work Type: Non-Mandated

Work Type Citation: NA

**Historical Embedded Cost Estimates (\$000)**

Embedded Costs: 0

Explanation:



**Supplemental Workpapers for Workpaper 2RF003.002**

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

**SCG-23-ESRF-CLH-2RF003.002 Interest**

<u>Interest</u>	Year			Total
	2017	2018	2019	
Current Fleet	\$ 2,228,854	\$ 2,215,016	\$ 2,018,820	\$ 6,462,690
Fleet Replacements 2017 through 2019	\$ 187,609	\$ 610,670	\$ 1,470,445	\$ 2,268,724
Incremental Fleet for Business Needs	\$ 212,007	\$ 717,375	\$ 1,165,941	\$ 2,095,323
Incremental Fleet for Business Needs RAMP		\$ 9,106	\$ 44,533	\$ 53,639
Premium for Alternative Fuel Vehicle (AFV) Replacements	\$ 54,292	\$ 257,592	\$ 396,803	\$ 708,687
Airborne Toxic Control Measures (ACTM) Vehicles	\$ 278,236	\$ 586,924	\$ 859,222	\$ 1,724,382
<b>TOTAL INTEREST =</b>	<b><u>\$2,960,998</u></b>	<b><u>\$4,396,683</u></b>	<b><u>\$5,955,764</u></b>	<b><u>\$ 13,313,445</u></b>

**Beginning of Workpaper**  
**2RF003.003 - Salvage**

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Ownership Costs  
 Category-Sub: 3. Salvage  
 Workpaper: 2RF003.003 - Salvage

**Activity Description:**

This activity consists of the recovery of the residual value of assets being retired from the fleet. Salvage proceeds received at auction are credited to this activity to minimize total asset ownership costs.

**Forecast Explanations:**

**Labor - Zero-Based**

The labor costs for managing this activity are recorded in a separate activity.

**Non-Labor - Zero-Based**

See NSE explanation for non-labor forecast method explanation.

**NSE - Zero-Based**

Vehicle salvage values are a function of the number, type, age, mileage and condition of vehicles being sent to auction, as well as the market climate in which those auctions occur. Amounts forecasted for each year reflect the planned vehicle sales using the 5-year average per-unit salvage achieved. Details are included in the supplemental documentation.

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		0	0	0	0	0	0	0	0	
Non-Labor		-1,221	-1,265	-2,909	-953	-813	-1,761	-1,257	-1,754	
NSE		0	0	0	0	0	0	0	0	
<b>Total</b>		<b>-1,221</b>	<b>-1,265</b>	<b>-2,909</b>	<b>-953</b>	<b>-813</b>	<b>-1,761</b>	<b>-1,257</b>	<b>-1,754</b>	
FTE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Ownership Costs  
Category-Sub: 3. Salvage  
Workpaper: 2RF003.003 - Salvage

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	Zero-Based	0	0	0	0	0	0	0	0	0
Non-Labor	Zero-Based	0	0	0	-1,761	-1,257	-1,754	-1,761	-1,257	-1,754
NSE	Zero-Based	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>-1,761</b>	<b>-1,257</b>	<b>-1,754</b>	<b>-1,761</b>	<b>-1,257</b>	<b>-1,754</b>
FTE	Zero-Based	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Forecast Adjustment Details:**

Year	Adj Group	Labor	NLbr	NSE	Total	FTE	Adj Type	RefID	
2017	Other	0	-1,761	0	-1,761	0.0	1-Sided Adj	AFUENTES20161205201009317	
<b>Explanation:</b>		Cash Flow Salvage forecast based on replacement plan and backlog unit replacements using per-unit salvage value estimate from 5-year average.							
<b>2017 Total</b>		<b>0</b>	<b>-1,761</b>	<b>0</b>	<b>-1,761</b>	<b>0.0</b>			
2018	Other	0	-1,257	0	-1,257	0.0	1-Sided Adj	AFUENTES20161205201022227	
<b>Explanation:</b>		Cash Flow Salvage forecast based on replacement plan and backlog unit replacements using per-unit salvage value estimate from 5-year average.							
<b>2018 Total</b>		<b>0</b>	<b>-1,257</b>	<b>0</b>	<b>-1,257</b>	<b>0.0</b>			
2019	Other	0	-1,754	0	-1,754	0.0	1-Sided Adj	AFUENTES20161205201107913	
<b>Explanation:</b>		Cash Flow Salvage forecast based on replacement plan and backlog unit replacements using per-unit salvage value estimate from 5-year average.							
<b>2019 Total</b>		<b>0</b>	<b>-1,754</b>	<b>0</b>	<b>-1,754</b>	<b>0.0</b>			

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Ownership Costs  
Category-Sub: 3. Salvage  
Workpaper: 2RF003.003 - Salvage

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	0	0	0	0	0
Non-Labor	-1,186	-1,250	-2,918	-951	-813
NSE	0	0	0	0	0
<b>Total</b>	<b>-1,186</b>	<b>-1,250</b>	<b>-2,918</b>	<b>-951</b>	<b>-813</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Adjustments (Nominal \$) **</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	0	0	0	0	0
Non-Labor	-1,186	-1,250	-2,918	-951	-813
NSE	0	0	0	0	0
<b>Total</b>	<b>-1,186</b>	<b>-1,250</b>	<b>-2,918</b>	<b>-951</b>	<b>-813</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Escalation to 2016\$</b>					
Labor	0	0	0	0	0
Non-Labor	-34	-16	10	-2	0
NSE	0	0	0	0	0
<b>Total</b>	<b>-34</b>	<b>-16</b>	<b>10</b>	<b>-2</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	0	0	0	0	0
Non-Labor	-1,221	-1,265	-2,909	-953	-813
NSE	0	0	0	0	0
<b>Total</b>	<b>-1,221</b>	<b>-1,265</b>	<b>-2,909</b>	<b>-953</b>	<b>-813</b>
FTE	0.0	0.0	0.0	0.0	0.0

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

Southern California Gas Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Ownership Costs  
 Category-Sub: 3. Salvage  
 Workpaper: 2RF003.003 - Salvage

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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*Note: Totals may include rounding differences.*

**Supplemental Workpapers for Workpaper 2RF003.003**



Southern California Gas Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

**SCG-23-ESRF-CLH-2RF003.003 Salvage**

	<b>5-Year Average</b>
Average Salvage	\$3,500

	2017	2018	2019	Total
Salvage Units	503	359	501	1363
Dollars from Salvage Units =	\$1,760,500	\$1,256,500	\$1,753,500	\$4,770,500
<b>TOTAL SALVAGE =</b>	<b>\$1,760,500</b>	<b>\$1,256,500</b>	<b>\$1,753,500</b>	<b>\$4,770,500</b>

**Beginning of Workpaper**  
**2RF003.004 - License Fees & Sales Tax**

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Ownership Costs  
 Category-Sub: 4. License Fees & Sales Tax  
 Workpaper: 2RF003.004 - License Fees & Sales Tax

**Activity Description:**

This activity consists of payment of title, license and registration fees to the State of California for operation of motor vehicles, trailers and specialized equipment on California streets and highways. It also includes Federal taxes related to heavy-duty trucks with a high gross vehicle weight and annual lease administrative fees. This activity also consists of payment of use tax.

**Forecast Explanations:**

**Labor - Zero-Based**

The labor costs for managing this activity are recorded in a separate activity.

**Non-Labor - Zero-Based**

See NSE explanation for non-labor forecast method explanation.

**NSE - Zero-Based**

Motor vehicle license fees in the State of California are comprised of three components: an annual registration fee and an annual weight fee, both of which are generally fixed for the life of the vehicle, and an annual vehicle license fee that uses a scalar factor of original vehicle sale price and renewal age to determine the annual renewal fee. License fees are therefore a factor of fleet composition and age, and since it is complex to forecast license fees individually for each vehicle each year, the 5-year average ratio of amortization payments to license fees is used to approximate future license fee payments. This estimating method has proven a reasonable approximation. Details are included in the supplemental documentation.

SoCalGas has elected to pay monthly use tax rather than pay sales tax upfront pursuant to California Sales and Use Tax Regulations 1661(b)(1) and 1660(c)(1) commencing with leases beginning in the later part of 2016. Accordingly, no CA sales tax would be paid upon equipment acquisition, instead a monthly use tax would be treated as Other Payments to be included in monthly lease payments. Use tax is calculated on the fair rental value for all periods during which the equipment is leased. Details are included in the supplemental documentation.

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		0	0	0	0	0	0	0	0	
Non-Labor		1,692	1,848	1,934	1,840	1,790	0	0	0	
NSE		0	0	0	0	0	3,352	5,073	6,184	
<b>Total</b>		<b>1,692</b>	<b>1,848</b>	<b>1,934</b>	<b>1,840</b>	<b>1,790</b>	<b>3,352</b>	<b>5,073</b>	<b>6,184</b>	
FTE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

*Note: Totals may include rounding differences.*

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Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Ownership Costs  
 Category-Sub: 4. License Fees & Sales Tax  
 Workpaper: 2RF003.004 - License Fees & Sales Tax

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	Zero-Based	0	0	0	0	0	0	0	0	0
Non-Labor	Zero-Based	0	0	0	0	0	0	0	0	0
NSE	Zero-Based	0	0	0	3,352	5,073	6,184	3,352	5,073	6,184
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>3,352</b>	<b>5,073</b>	<b>6,184</b>	<b>3,352</b>	<b>5,073</b>	<b>6,184</b>
FTE	Zero-Based	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Forecast Adjustment Details:**

Year	Adj Group	Labor	NLbr	NSE	Total	FTE	Adj Type	RefID	
2017	Other	0	0	3,352	3,352	0.0	1-Sided Adj	AFUENTES20161205200459410	
<b>Explanation:</b>		Since License Fees vary with fleet age and composition; the 5-year ratio of amortization to License Fees is used to forecast future year expenses. Cash Flow Sales Tax forecast is based on monthly amortization and interest multiplied by the current use tax rate.							
<b>2017 Total</b>		<b>0</b>	<b>0</b>	<b>3,352</b>	<b>3,352</b>	<b>0.0</b>			
2018	Other	0	0	5,073	5,073	0.0	1-Sided Adj	AFUENTES20161205200507660	
<b>Explanation:</b>		Since License Fees vary with fleet age and composition; the 5-year ratio of amortization to License Fees is used to forecast future year expenses. Additional legislated annual registration fees for transportation improvements per California Senate Bill No. 1, approved on April 28, 2017. Cash Flow Sales Tax forecast is based on monthly amortization and interest multiplied by the current use tax rate.							
<b>2018 Total</b>		<b>0</b>	<b>0</b>	<b>5,073</b>	<b>5,073</b>	<b>0.0</b>			
2019	Other	0	0	6,184	6,184	0.0	1-Sided Adj	AFUENTES20161205200514973	
<b>Explanation:</b>		Since License Fees vary with fleet age and composition; the 5-year ratio of amortization to License Fees is used to forecast future year expenses. Additional legislated annual registration fees for transportation improvements per California Senate Bill No. 1, approved on April 28, 2017. Cash Flow Sales Tax forecast is based on monthly amortization and interest multiplied by the current use tax rate.							
<b>2019 Total</b>		<b>0</b>	<b>0</b>	<b>6,184</b>	<b>6,184</b>	<b>0.0</b>			

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
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Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Ownership Costs  
Category-Sub: 4. License Fees & Sales Tax  
Workpaper: 2RF003.004 - License Fees & Sales Tax

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	0	0	0	0	0
Non-Labor	1,644	1,825	1,941	1,835	1,790
NSE	0	0	0	0	0
<b>Total</b>	<b>1,644</b>	<b>1,825</b>	<b>1,941</b>	<b>1,835</b>	<b>1,790</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Adjustments (Nominal \$) **</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	0	0	0	0	0
Non-Labor	1,644	1,825	1,941	1,835	1,790
NSE	0	0	0	0	0
<b>Total</b>	<b>1,644</b>	<b>1,825</b>	<b>1,941</b>	<b>1,835</b>	<b>1,790</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Escalation to 2016\$</b>					
Labor	0	0	0	0	0
Non-Labor	48	23	-6	5	0
NSE	0	0	0	0	0
<b>Total</b>	<b>48</b>	<b>23</b>	<b>-6</b>	<b>5</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	0	0	0	0	0
Non-Labor	1,692	1,848	1,934	1,840	1,790
NSE	0	0	0	0	0
<b>Total</b>	<b>1,692</b>	<b>1,848</b>	<b>1,934</b>	<b>1,840</b>	<b>1,790</b>
FTE	0.0	0.0	0.0	0.0	0.0

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

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Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Ownership Costs  
 Category-Sub: 4. License Fees & Sales Tax  
 Workpaper: 2RF003.004 - License Fees & Sales Tax

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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*Note: Totals may include rounding differences.*

**Supplemental Workpapers for Workpaper 2RF003.004**

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**SCG-23-ESRF-CLH-2RF003.004 Licensing**

	<b>5-Year Total</b>
Amortization*	\$ 81,047,448
License & Fees*	\$ 9,035,508
5-Year Average Licensing Fees as a % of Amortization	11.1%

<b>Licensing Calculation:</b>	<b>Year</b>			<b>Total</b>
	<b>2017</b>	<b>2018</b>	<b>2019</b>	
Total Amortization**	\$ 24,551,446	\$ 30,571,420	\$ 34,951,624	\$ 90,074,490
License Fee Percentage	11.1%	11.1%	11.1%	11.1%
Licensing & Fees Estimate	\$ 2,737,098	\$ 3,408,229	\$ 3,896,553	\$ 10,041,880
Additional Legislated Fees***	\$ -	\$ 408,338	\$ 427,275	\$ 835,613
<b>TOTAL LICENSE &amp; FEES =</b>	<b>\$ 2,737,098</b>	<b>\$ 3,816,567</b>	<b>\$ 4,323,828</b>	<b>\$ 10,877,493</b>

\*Source: Company SAP Accounting System

\*\*Less Amortization for auctioned vehicles

\*\*\*CA Senate Bill No. 1: Additional licensing fees between \$25 - \$175. Calculations use \$75 multiplied by the average number of vehicles expected in the fleet for each forecast year.

Fees are subject to law changes. *California Vehicle Code (CVC), California Harbors & Navigation Code (CH & NC), California Civil Code (CCC), California Government Code (CGC), California Health & Safety Code (CH & SC), California Code of Civil Procedures, and California Revenue & Taxation Code (CR & TC)* sections (§) are noted for reference.

Fees are due upon original registration/renewal based on:

Vehicle type (auto, motorcycle, etc.).

Purchase price or declared value.

Dates (date purchased, date vehicle entered California, etc.).

Owner's residence county/city or business address, if business.

Unladen or declared gross vehicle weight (GVW)/number of axles.

Special license plates.

Unpaid parking violation/toll evasion bail.

The registration fee (\$46), California Highway Patrol (CHP) fee (\$23), vehicle license fee (VLF), and county/district fees are due for most vehicles registered for on-highway use. Registration and CHP fees are used by the Department of Motor Vehicles (DMV) and CHP to offset costs. Commercial Vehicle Registration Act (CVRA) and/or weight fees may be due for commercial vehicles.<sup>1</sup>

<sup>1</sup>[https://www.dmv.ca.gov/portal/dmv/detail/pubs/brochures/fast\\_facts/ffvr34](https://www.dmv.ca.gov/portal/dmv/detail/pubs/brochures/fast_facts/ffvr34)



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**SCG-23-ESRF-CLH-2RF003.004 Sales Tax**

<b>Sales Tax Calculation:</b>	<b>Year</b>			<b>Total</b>
	<b>2017</b>	<b>2018</b>	<b>2019</b>	
Total Amortization*	\$ 6,962,666	\$ 13,726,371	\$ 19,762,360	\$ 40,451,397
Total Interest*	\$ 972,358	\$ 2,484,516	\$ 4,244,919	\$ 7,701,793
Taxable Amount	\$ 7,935,024	\$ 16,210,887	\$ 24,007,279	\$ 48,153,190
Tax Rate	7.75%	7.75%	7.75%	7.75%
<b>TOTAL SALES TAX =</b>	<b>\$614,964</b>	<b>\$1,256,344</b>	<b>\$1,860,564</b>	<b>\$ 3,731,872</b>

\*Only includes lease schedules with use tax election paid to Lessor in lieu of upfront sales tax payment primarily for new acquisitions.

**Tax Application Regulation 1661:**

Tax applies to fair rental value for all periods during which the mobile transportation equipment is leased even though the lessees may not make the required rental payments. The lessor must pay tax at the rate in effect at the time the equipment is first leased. The tax rate will remain the same for all periods during which the equipment is leased, including the periods during the first lease of the equipment and all periods during any subsequent leases of the equipment. <sup>1</sup>

<sup>1</sup><http://www.boe.ca.gov/lawguides/business/current/btlg/voll/sutr/1661.html>

Southern California Gas Company  
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Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: B. Maintenance Operations  
Workpaper: VARIOUS

**Summary for Category: B. Maintenance Operations**

	In 2016\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2016	2017	2018	2019
Labor	6,670	8,663	8,045	8,107
Non-Labor	14,440	16,592	17,410	17,738
NSE	0	0	0	0
<b>Total</b>	<b>21,110</b>	<b>25,255</b>	<b>25,455</b>	<b>25,845</b>
FTE	76.5	95.0	91.5	91.5

**Workpapers belonging to this Category:**

**2RF002.000 Maintenance Operations**

Labor	6,670	8,663	8,045	8,107
Non-Labor	4,744	5,045	5,150	5,235
NSE	0	0	0	0
<b>Total</b>	<b>11,414</b>	<b>13,708</b>	<b>13,195</b>	<b>13,342</b>
FTE	76.5	95.0	91.5	91.5

**2RF002.001 Automotive Fuel**

Labor	0	0	0	0
Non-Labor	9,696	11,547	12,260	12,503
NSE	0	0	0	0
<b>Total</b>	<b>9,696</b>	<b>11,547</b>	<b>12,260</b>	<b>12,503</b>
FTE	0.0	0.0	0.0	0.0

*Note: Totals may include rounding differences.*

**Beginning of Workpaper**  
**2RF002.000 - Maintenance Operations**

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Maintenance Operations  
 Category-Sub: 1. Maintenance Operations  
 Workpaper: 2RF002.000 - Maintenance Operations

**Activity Description:**

This activity consists of the maintenance and repair costs associated with a fleet of more than 5,000 vehicles and power-operated equipment, including technician labor, replacement parts, and contracted repair services. In addition to operating a fleet that is properly maintained and safe, this activity also includes maintaining compliance with all federal, state, and local environmental, safety and emission regulations including the smog inspection program.

**Forecast Explanations:**

**Labor - 5-YR Average**

The 5-YR average most accurately reflects the most recent changes in staffing levels. Newer vehicles require a higher level of technical training for our technicians as well as additional expertise to maintain compliance with emission reduction targets and operational safety. This activity includes additional technician training and backfilling positions that have been lost due to retirement.

**Non-Labor - 5-YR Average**

The 5-YR average most accurately reflects the fleet composition and associated costs as it considers the recent economic trends, and regulatory requirements such as California Air Resources Board (CARB), Airborne Toxic Control Measures (ATCM) requirements and California Basic Inspection of Terminals (BIT). Costs in this area are prone to fluctuations because of the volatility in commodity prices that directly affect parts and material costs used in the maintenance of fleet vehicles such as tires, vehicle parts, and lubricants. SoCalGas cannot predict the changes in commodity prices and must therefore rely on averaging to arrive at a reasonable cost estimate. This activity also includes maintenance costs associated with incremental vehicles required by various operating groups.

**NSE - 5-YR Average**

Not Applicable

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years	2012	2013	2014	2015	2016	2017	2018	2019		
Labor	7,765	7,582	7,094	7,124	6,670	8,663	8,045	8,107		
Non-Labor	5,921	4,914	4,455	4,711	4,744	5,045	5,150	5,235		
NSE	0	0	0	0	0	0	0	0		
<b>Total</b>	<b>13,686</b>	<b>12,496</b>	<b>11,549</b>	<b>11,835</b>	<b>11,414</b>	<b>13,708</b>	<b>13,195</b>	<b>13,342</b>		
FTE	91.9	89.6	82.8	81.5	76.6	95.0	91.5	91.5		

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Maintenance Operations  
 Category-Sub: 1. Maintenance Operations  
 Workpaper: 2RF002.000 - Maintenance Operations

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	5-YR Average	7,247	7,247	7,247	1,416	798	860	8,663	8,045	8,107
Non-Labor	5-YR Average	4,949	4,949	4,949	96	201	286	5,045	5,150	5,235
NSE	5-YR Average	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>12,196</b>	<b>12,196</b>	<b>12,196</b>	<b>1,512</b>	<b>999</b>	<b>1,146</b>	<b>13,708</b>	<b>13,195</b>	<b>13,342</b>
FTE	5-YR Average	84.5	84.5	84.5	10.5	7.0	7.0	95.0	91.5	91.5

**Forecast Adjustment Details:**

Year	Adj Group	Labor	NLbr	NSE	Total	FTE	Adj Type	RefID	
2017	Other	863	0	0	863	10.5	1-Sided Adj	AFUENTES20170310173145530	
<b>Explanation:</b>		Backfilling Fleet technicians lost due to retirement.							
2017	Other	0	68	0	68	0.0	1-Sided Adj	AFUENTES20161205183856453	
<b>Explanation:</b>		Incremental Non-Labor maintenance costs associated with 143 additional incremental vehicles required by various operating groups.							
2017	Other	180	0	0	180	0.0	1-Sided Adj	AFUENTES20170310172928127	
<b>Explanation:</b>		Incremental Fleet technician training on safety, Alternative Fuel Vehicle technology, and Basic Inspection of Terminals compliance.							
2017	Other	373	0	0	373	0.0	1-Sided Adj	AFUENTES20161205184356993	
<b>Explanation:</b>		Labor costs associated with training fleet technicians on the SMOG program for model year 2000 and newer vehicles.							
2017	Other	0	28	0	28	0.0	1-Sided Adj	AFUENTES20161205183642637	
<b>Explanation:</b>		Non-labor costs associated with training fleet technicians on the SMOG program for model year 2000 and newer vehicles.							
<b>2017 Total</b>		<b>1,416</b>	<b>96</b>	<b>0</b>	<b>1,512</b>	<b>10.5</b>			

2018	Other	863	0	0	863	10.5	1-Sided Adj	AFUENTES20170310174129183	
<b>Explanation:</b>		Backfilling Fleet technicians lost due to retirement.							
2018	Other	0	201	0	201	0.0	1-Sided Adj	AFUENTES20161205185226683	
<b>Explanation:</b>		Incremental Non-Labor maintenance costs associated with 138 additional incremental vehicles required by various operating groups.							

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
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Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Maintenance Operations  
 Category-Sub: 1. Maintenance Operations  
 Workpaper: 2RF002.000 - Maintenance Operations

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
2018	Other	180	0	0	180	0.0	1-Sided Adj	AFUENTES20161205185527463
<b>Explanation:</b>		Incremental Fleet technician training on safety, Alternative Fuel Vehicle technology, and Basic Inspection of Terminals compliance.						
2018	FOF-Ongoing	-245	0	0	-245	-3.5	1-Sided Adj	AFUENTES20170310181028537
<b>Explanation:</b>		Fueling our Future (FoF) Idea #590. Create efficiencies through Fleet Optimization by assigning work based on technician specialization and complexity of work.						
<b>2018 Total</b>		<b>798</b>	<b>201</b>	<b>0</b>	<b>999</b>	<b>7.0</b>		
2019	Other	863	0	0	863	10.5	1-Sided Adj	AFUENTES20170310175405137
<b>Explanation:</b>		Backfilling Fleet technicians lost due to retirement.						
2019	Other	0	284	0	284	0.0	1-Sided Adj	AFUENTES20161205185752190
<b>Explanation:</b>		Incremental Non-Labor maintenance costs associated with 38 additional incremental vehicles required by various operating groups.						
2019	Other	180	0	0	180	0.0	1-Sided Adj	AFUENTES20170310174715190
<b>Explanation:</b>		Incremental Fleet technician training on safety, Alternative Fuel Vehicle technology, and Basic Inspection of Terminals compliance.						
2019	Other	62	0	0	62	0.0	1-Sided Adj	AFUENTES20161205190159617
<b>Explanation:</b>		Non-labor costs associated with training fleet technicians on the SMOG program for model year 2000 and newer vehicles.						
2019	FOF-Ongoing	-245	0	0	-245	-3.5	1-Sided Adj	AFUENTES20170310181214967
<b>Explanation:</b>		Fueling our Future (FoF) Idea #590. Create efficiencies through Fleet Optimization by assigning work based on technician specialization and complexity of work.						
2019	Other	0	2	0	2	0.0	1-Sided Adj	AFUENTES20170310175324640
<b>Explanation:</b>		SMOG technician certification renewal fee.						
<b>2019 Total</b>		<b>860</b>	<b>286</b>	<b>0</b>	<b>1,146</b>	<b>7.0</b>		

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: B. Maintenance Operations  
Category-Sub: 1. Maintenance Operations  
Workpaper: 2RF002.000 - Maintenance Operations

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	6,095	6,063	5,816	5,985	5,727
Non-Labor	5,754	4,854	4,469	4,699	4,744
NSE	0	0	0	0	0
<b>Total</b>	<b>11,849</b>	<b>10,917</b>	<b>10,285</b>	<b>10,684</b>	<b>10,471</b>
FTE	78.9	76.7	70.9	69.8	65.5
<b>Adjustments (Nominal \$) **</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	6,095	6,063	5,816	5,985	5,727
Non-Labor	5,754	4,854	4,469	4,699	4,744
NSE	0	0	0	0	0
<b>Total</b>	<b>11,849</b>	<b>10,917</b>	<b>10,285</b>	<b>10,684</b>	<b>10,471</b>
FTE	78.9	76.7	70.9	69.8	65.5
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	976	1,008	949	968	943
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>976</b>	<b>1,008</b>	<b>949</b>	<b>968</b>	<b>943</b>
FTE	13.1	13.0	11.9	11.7	11.1
<b>Escalation to 2016\$</b>					
Labor	694	511	329	170	0
Non-Labor	166	60	-15	12	0
NSE	0	0	0	0	0
<b>Total</b>	<b>861</b>	<b>571</b>	<b>314</b>	<b>183</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	7,765	7,582	7,094	7,124	6,670
Non-Labor	5,921	4,914	4,455	4,711	4,744
NSE	0	0	0	0	0
<b>Total</b>	<b>13,686</b>	<b>12,496</b>	<b>11,549</b>	<b>11,835</b>	<b>11,414</b>
FTE	92.0	89.7	82.8	81.5	76.6

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

Southern California Gas Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Maintenance Operations  
 Category-Sub: 1. Maintenance Operations  
 Workpaper: 2RF002.000 - Maintenance Operations

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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*Note: Totals may include rounding differences.*



**Beginning of Workpaper**  
**2RF002.001 - Automotive Fuel**

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Maintenance Operations  
 Category-Sub: 2. Automotive Fuels  
 Workpaper: 2RF002.001 - Automotive Fuel

**Activity Description:**

This activity consists of the purchasing of automotive fuels for a fleet of over 5,000 motorized vehicles and power-operated equipment, including bulk fuel purchased for dispensing from underground storage tanks, and a limited number of commercial credit cards.

**Forecast Explanations:**

**Labor - 5-YR Average**

The labor costs for managing this activity are recorded in a separate activity.

**Non-Labor - 5-YR Average**

Using a 5-YR historical average is reasonable as it is a recent reflection of usage and price. Costs in this area are prone to fluctuations because of the volatility of fuel prices due to political, social, and economic concerns. Such volatility makes predicting the cost of fuel over an extended historical time difficult. As a result, SoCalGas must rely on averaging to arrive at a reasonable estimate. This activity also includes fuel costs associated with incremental vehicles required by various operating groups as well as impacts of rising fuel taxes approved by CA State Senate Bill No. 1.

**NSE - 5-YR Average**

Not Applicable

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		0	0	0	0	0	0	0	0	
Non-Labor		12,401	12,514	10,709	11,232	9,696	11,548	12,261	12,504	
NSE		0	0	0	0	0	0	0	0	
<b>Total</b>		<b>12,401</b>	<b>12,514</b>	<b>10,709</b>	<b>11,232</b>	<b>9,696</b>	<b>11,548</b>	<b>12,261</b>	<b>12,504</b>	
FTE		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Maintenance Operations  
 Category-Sub: 2. Automotive Fuels  
 Workpaper: 2RF002.001 - Automotive Fuel

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	5-YR Average	0	0	0	0	0	0	0	0	0
Non-Labor	5-YR Average	11,310	11,310	11,310	237	950	1,193	11,547	12,260	12,503
NSE	5-YR Average	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>11,310</b>	<b>11,310</b>	<b>11,310</b>	<b>237</b>	<b>950</b>	<b>1,193</b>	<b>11,547</b>	<b>12,260</b>	<b>12,503</b>
FTE	5-YR Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Forecast Adjustment Details:**

Year	Adj Group	Labor	NLbr	NSE	Total	FTE	Adj Type	RefID	
2017	Other	0	156	0	156	0.0	1-Sided Adj	AFUENTES20161205191620890	
<b>Explanation:</b>		Incremental fuel costs associated with 143 additional incremental vehicles required by various operating groups.							
2017	Other	0	81	0	81	0.0	1-Sided Adj	AFUENTES20170511142515917	
<b>Explanation:</b>		New fuel tax impacts approved by Senate Bill No. 1 (SB1) in effect beginning November 1, 2017. Incremental \$0.12 per gallon excise tax on unleaded fuel, incremental \$0.20 per gallon excise tax on diesel fuel, incremental 4% sales tax on diesel fuel.							
<b>2017 Total</b>		<b>0</b>	<b>237</b>	<b>0</b>	<b>237</b>	<b>0.0</b>			
2018	Other	0	465	0	465	0.0	1-Sided Adj	AFUENTES20161205191648140	
<b>Explanation:</b>		Incremental fuel costs associated with 138 additional incremental vehicles required by various operating groups.							
2018	Other	0	485	0	485	0.0	1-Sided Adj	AFUENTES20170511142655623	
<b>Explanation:</b>		New fuel tax impacts approved by Senate Bill No. 1 (SB1) in effect beginning November 1, 2017. Incremental \$0.12 per gallon excise tax on unleaded fuel, incremental \$0.20 per gallon excise tax on diesel fuel, incremental 4% sales tax on diesel fuel.							
<b>2018 Total</b>		<b>0</b>	<b>950</b>	<b>0</b>	<b>950</b>	<b>0.0</b>			
2019	Other	0	709	0	709	0.0	1-Sided Adj	AFUENTES20161205191814837	
<b>Explanation:</b>		Incremental fuel costs associated with 38 additional incremental vehicles required by various operating groups.							

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Maintenance Operations  
 Category-Sub: 2. Automotive Fuels  
 Workpaper: 2RF002.001 - Automotive Fuel

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj_Type</u>	<u>RefID</u>	
2019	Other	0	484	0	484	0.0	1-Sided Adj	AFUENTES20170511142803433	
<b>Explanation:</b>		New fuel tax impacts approved by Senate Bill No. 1 (SB1) in effect beginning November 1, 2017. Incremental \$0.12 per gallon excise tax on unleaded fuel, incremental \$0.20 per gallon excise tax on diesel fuel, incremental 4% sales tax on diesel fuel.							
<b>2019 Total</b>		<b>0</b>	<b>1,193</b>	<b>0</b>	<b>1,193</b>	<b>0.0</b>			

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: B. Maintenance Operations  
Category-Sub: 2. Automotive Fuels  
Workpaper: 2RF002.001 - Automotive Fuel

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	0	0	0	0	0
Non-Labor	12,053	12,360	10,744	11,203	9,696
NSE	0	0	0	0	0
<b>Total</b>	<b>12,053</b>	<b>12,360</b>	<b>10,744</b>	<b>11,203</b>	<b>9,696</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Adjustments (Nominal \$) **</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	0	0	0	0	0
Non-Labor	12,053	12,360	10,744	11,203	9,696
NSE	0	0	0	0	0
<b>Total</b>	<b>12,053</b>	<b>12,360</b>	<b>10,744</b>	<b>11,203</b>	<b>9,696</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Escalation to 2016\$</b>					
Labor	0	0	0	0	0
Non-Labor	348	154	-35	29	0
NSE	0	0	0	0	0
<b>Total</b>	<b>348</b>	<b>154</b>	<b>-35</b>	<b>29</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	0	0	0	0	0
Non-Labor	12,401	12,514	10,709	11,232	9,696
NSE	0	0	0	0	0
<b>Total</b>	<b>12,401</b>	<b>12,514</b>	<b>10,709</b>	<b>11,232</b>	<b>9,696</b>
FTE	0.0	0.0	0.0	0.0	0.0

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

Southern California Gas Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Maintenance Operations  
 Category-Sub: 2. Automotive Fuels  
 Workpaper: 2RF002.001 - Automotive Fuel

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: C. Fleet Management  
Workpaper: 2RF003.000

**Summary for Category: C. Fleet Management**

	In 2016\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2016	2017	2018	2019
Labor	654	1,375	1,375	1,375
Non-Labor	-153	-242	-275	-275
NSE	0	0	0	0
<b>Total</b>	<b>501</b>	<b>1,133</b>	<b>1,100</b>	<b>1,100</b>
FTE	7.3	14.7	14.7	14.7

**Workpapers belonging to this Category:**

**2RF003.000 Maintenance Management**

Labor	654	1,375	1,375	1,375
Non-Labor	-153	-242	-275	-275
NSE	0	0	0	0
<b>Total</b>	<b>501</b>	<b>1,133</b>	<b>1,100</b>	<b>1,100</b>
FTE	7.3	14.7	14.7	14.7

*Note: Totals may include rounding differences.*

**Beginning of Workpaper**  
**2RF003.000 - Maintenance Management**



Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: C. Fleet Management  
 Category-Sub: 1. Maintenance Management  
 Workpaper: 2RF003.000 - Maintenance Management

**Activity Description:**

This activity consists of the maintenance manager, garage supervisors, parts/inventory control, and other support functions necessary for the safe and efficient operations of maintenance garages that are disbursed throughout the SoCalGas service area. This activity also collects employee commutation fees to help offset incremental fleet costs for take-home vehicles.

**Forecast Explanations:**

**Labor - 5-YR Average**

The 5-year historical average is most appropriate because recorded costs for this activity have fluctuated in past years. In addition, this methodology accurately reflects the current and forecasted staffing levels. This activity also includes incremental labor costs associated with backfilling 3 fleet supervisors lost due to retirements and 1 incremental fleet supervisor to support inventory & parts management under new system processes.

**Non-Labor - 5-YR Average**

The 5-year historical average is most appropriate because recorded costs for this activity have fluctuated in past years. This methodology accurately reflects the current operations and economic conditions for costs.

**NSE - 5-YR Average**

Not applicable

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		1,060	1,092	1,071	945	654	1,376	1,376	1,376	
Non-Labor		-241	-358	-65	-228	-153	-242	-275	-275	
NSE		0	0	0	0	0	0	0	0	
<b>Total</b>		<b>818</b>	<b>734</b>	<b>1,006</b>	<b>717</b>	<b>502</b>	<b>1,134</b>	<b>1,101</b>	<b>1,101</b>	
FTE		11.9	11.9	11.8	10.3	7.3	14.6	14.6	14.6	

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: C. Fleet Management  
 Category-Sub: 1. Maintenance Management  
 Workpaper: 2RF003.000 - Maintenance Management

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	5-YR Average	964	964	964	411	411	411	1,375	1,375	1,375
Non-Labor	5-YR Average	-209	-209	-209	-33	-66	-66	-242	-275	-275
NSE	5-YR Average	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>755</b>	<b>755</b>	<b>755</b>	<b>378</b>	<b>345</b>	<b>345</b>	<b>1,133</b>	<b>1,100</b>	<b>1,100</b>
FTE	5-YR Average	10.7	10.7	10.7	4.0	4.0	4.0	14.7	14.7	14.7

**Forecast Adjustment Details:**

Year	Adj Group	Labor	NLbr	NSE	Total	FTE	Adj Type	RefID	
2017	Other	411	0	0	411	4.0	1-Sided Adj	AFUENTES20161205192543953	
<b>Explanation:</b>		Fleet Management staff: backfill 3 supervisor positions lost due to retirements and add 1 incremental Fleet supervisor position to include supervision of parts and inventory control.							
2017	FOF-Ongoing	0	-33	0	-33	0.0	1-Sided Adj	AFUENTES20170310184845860	
<b>Explanation:</b>		Fueling our Future Idea #1960: Increase commutation fee for take-home vehicles to offset maintenance and fuel costs.							
<b>2017 Total</b>		<b>411</b>	<b>-33</b>	<b>0</b>	<b>378</b>	<b>4.0</b>			
2018	Other	411	0	0	411	4.0	1-Sided Adj	AFUENTES20161205192715690	
<b>Explanation:</b>		Fleet Management staff: backfill 3 supervisor positions lost due to retirements and add 1 incremental Fleet supervisor position to include supervision of parts and inventory control.							
2018	FOF-Ongoing	0	-66	0	-66	0.0	1-Sided Adj	AFUENTES20170310184907607	
<b>Explanation:</b>		Fueling our Future Idea #1960: Increase commutation fee for take-home vehicles to offset maintenance and fuel costs.							
<b>2018 Total</b>		<b>411</b>	<b>-66</b>	<b>0</b>	<b>345</b>	<b>4.0</b>			
2019	Other	411	0	0	411	4.0	1-Sided Adj	AFUENTES20161205192725547	
<b>Explanation:</b>		Fleet Management staff: backfill 3 supervisor positions lost due to retirements and add 1 incremental Fleet supervisor position to include supervision of parts and inventory control.							
2019	FOF-Ongoing	0	-66	0	-66	0.0	1-Sided Adj	AFUENTES20170310184928197	

Note: Totals may include rounding differences.

Southern California Gas Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: C. Fleet Management  
 Category-Sub: 1. Maintenance Management  
 Workpaper: 2RF003.000 - Maintenance Management

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj_Type</u>	<u>RefID</u>
<b>Explanation:</b>		Fueling our Future Idea #1960: Increase commutation fee for take-home vehicles to offset maintenance and fuel costs.						
<b>2019 Total</b>		<b>411</b>	<b>-66</b>	<b>0</b>	<b>345</b>	<b>4.0</b>		

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: C. Fleet Management  
Category-Sub: 1. Maintenance Management  
Workpaper: 2RF003.000 - Maintenance Management

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	1,497	1,605	1,790	1,452	1,367
Non-Labor	452	299	121	-98	40
NSE	0	0	0	0	0
<b>Total</b>	<b>1,949</b>	<b>1,904</b>	<b>1,911</b>	<b>1,354</b>	<b>1,408</b>
FTE	18.0	18.6	20.0	16.0	14.4
<b>Adjustments (Nominal \$) **</b>					
Labor	-665	-732	-913	-658	-806
Non-Labor	-686	-652	-186	-130	-193
NSE	0	0	0	0	0
<b>Total</b>	<b>-1,352</b>	<b>-1,384</b>	<b>-1,099</b>	<b>-788</b>	<b>-998</b>
FTE	-7.8	-8.4	-9.9	-7.2	-8.1
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	832	874	878	794	562
Non-Labor	-235	-354	-65	-228	-153
NSE	0	0	0	0	0
<b>Total</b>	<b>597</b>	<b>520</b>	<b>813</b>	<b>567</b>	<b>409</b>
FTE	10.2	10.2	10.1	8.8	6.3
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	133	145	143	128	93
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>133</b>	<b>145</b>	<b>143</b>	<b>128</b>	<b>93</b>
FTE	1.7	1.7	1.7	1.5	1.1
<b>Escalation to 2016\$</b>					
Labor	95	74	50	23	0
Non-Labor	-7	-4	0	-1	0
NSE	0	0	0	0	0
<b>Total</b>	<b>88</b>	<b>69</b>	<b>50</b>	<b>22</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	1,060	1,092	1,071	945	654
Non-Labor	-241	-358	-65	-228	-153
NSE	0	0	0	0	0
<b>Total</b>	<b>818</b>	<b>734</b>	<b>1,006</b>	<b>717</b>	<b>502</b>
FTE	11.9	11.9	11.8	10.3	7.4

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: C. Fleet Management  
 Category-Sub: 1. Maintenance Management  
 Workpaper: 2RF003.000 - Maintenance Management

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	-665	-732	-913	-658	-806
Non-Labor	-686	-652	-186	-130	-193
NSE	0	0	0	0	0
<b>Total</b>	<b>-1,352</b>	<b>-1,384</b>	<b>-1,099</b>	<b>-788</b>	<b>-998</b>
FTE	-7.8	-8.4	-9.9	-7.2	-8.1

**Detail of Adjustments to Recorded:**

Year	Adj Group	Labor	NLbr	NSE	FTE	Adj Type	RefID
2012	Other	0	-394	0	0.0	CCTR Transf From 2200-2148.000	AFUENTES20170224151648860
<b>Explanation:</b> Adjustment to reflect Commutation Credits in proper cost center. Should be reflected within Director Non Shared cost center 2200-2549.							
2012	Other	-185	-22	0	-1.7	CCTR Transf To 2200-2018.000	AFUENTES20170310152552200
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2012	Other	-269	-234	0	-3.4	CCTR Transf To 2200-2018.000	AFUENTES20170310152745920
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2012	Other	-9	-1	0	-0.1	CCTR Transf To 2200-2018.000	AFUENTES20170310152838107
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2012	Other	-203	-36	0	-2.6	CCTR Transf To 2200-2018.000	AFUENTES20170310152931560
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2012 Total</b>		<b>-665</b>	<b>-686</b>	<b>0</b>	<b>-7.8</b>		
2013	Other	0	0	0	0.0	CCTR Transf From 2200-2148.000	AFUENTES20170224151854250
<b>Explanation:</b> Adjustment to reflect Commutation Credits in proper cost center. Should be reflected within Director Non Shared cost center 2200-2549.							
2013	Other	0	-420	0	0.0	CCTR Transf From 2200-2148.000	AFUENTES20170224151925563
<b>Explanation:</b> Adjustment to reflect Commutation Credits in proper cost center. Should be reflected within Director Non Shared cost center 2200-2549.							
2013	Other	-187	-16	0	-1.7	CCTR Transf To 2200-2018.000	AFUENTES20170310153219993
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: C. Fleet Management  
 Category-Sub: 1. Maintenance Management  
 Workpaper: 2RF003.000 - Maintenance Management

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
2013	Other	-261	-201	0	-3.2	CCTR Transf To 2200-2018.000	AFUENTES20170310153303373
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2013	Other	-1	0	0	0.0	CCTR Transf To 2200-2018.000	AFUENTES20170310153359707
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2013	Other	-283	-15	0	-3.5	CCTR Transf To 2200-2018.000	AFUENTES20170310153453733
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2013 Total</b>		<b>-732</b>	<b>-652</b>	<b>0</b>	<b>-8.4</b>		
2014	Other	-79	-36	0	-0.8	CCTR Transf To 2200-2018.000	AFUENTES20170310153558420
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2014	Other	-260	-117	0	-3.1	CCTR Transf To 2200-2018.000	AFUENTES20170310153647830
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2014	Other	0	0	0	0.0	CCTR Transf To 2200-2018.000	AFUENTES20170310153735010
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2014	Other	-223	-5	0	-2.6	CCTR Transf To 2200-2018.000	AFUENTES20170310153807907
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2014	Other	-107	-5	0	-0.8	CCTR Transf To 2200-2018.000	AFUENTES20170310153849377
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2014	Other	-244	-23	0	-2.6	CCTR Transf To 2200-2018.000	AFUENTES20170310153935970
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2014 Total</b>		<b>-913</b>	<b>-186</b>	<b>0</b>	<b>-9.9</b>		
2015	Other	-261	-95	0	-2.4	CCTR Transf To 2200-2018.000	AFUENTES20170310154035473
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2015	Other	8	-1	0	-0.1	CCTR Transf To 2200-2018.000	AFUENTES20170310154544007
<b>Explanation:</b> Adjustment to reflect Commutation Credits in proper cost center. Should be reflected within Director Non Shared cost center 2200-2549.							
2015	Other	-180	-5	0	-2.1	CCTR Transf To 2200-2018.000	AFUENTES20170310154113443
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: C. Fleet Management  
 Category-Sub: 1. Maintenance Management  
 Workpaper: 2RF003.000 - Maintenance Management

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
2015	Other	0	0	0	0.0	CCTR Transf To 2200-2018.000	AFUENTES20170310154154427
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2015	Other	-228	-3	0	-2.6	CCTR Transf To 2200-2018.000	AFUENTES20170310154241003
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2015	Other	3	-25	0	0.0	CCTR Transf To 2200-2018.000	AFUENTES20170310154340960
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2015 Total</b>		<b>-658</b>	<b>-130</b>	<b>0</b>	<b>-7.2</b>		
2016	Other	-520	-126	0	-5.2	CCTR Transf To 2200-2018.000	AFUENTES20170310154838843
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2016	Other	0	-6	0	0.0	CCTR Transf To 2200-2018.000	AFUENTES20170310155001673
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2016	Other	-187	-7	0	-1.8	CCTR Transf To 2200-2018.000	AFUENTES20170310155047733
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2016	Other	-98	-7	0	-1.1	CCTR Transf To 2200-2018.000	AFUENTES20170310155124660
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2016	Other	0	-46	0	0.0	CCTR Transf To 2200-2018.000	AFUENTES20170310155157447
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2016	Other	0	-1	0	0.0	CCTR Transf To 2200-2018.000	AFUENTES20170310155234327
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2016 Total</b>		<b>-806</b>	<b>-193</b>	<b>0</b>	<b>-8.1</b>		

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: D. Facility Operations  
Workpaper: VARIOUS

**Summary for Category: D. Facility Operations**

	In 2016\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2016	2017	2018	2019
Labor	3,889	3,915	4,307	4,531
Non-Labor	11,281	13,890	14,207	13,715
NSE	0	0	0	0
<b>Total</b>	<b>15,170</b>	<b>17,805</b>	<b>18,514</b>	<b>18,246</b>
FTE	43.7	43.2	48.8	52.0

**Workpapers belonging to this Category:**

**2RF001.000 Director**

Labor	65	83	83	83
Non-Labor	2	32	32	32
NSE	0	0	0	0
<b>Total</b>	<b>67</b>	<b>115</b>	<b>115</b>	<b>115</b>
FTE	0.5	0.8	0.8	0.8

**2RF004.000 Facility Operations**

Labor	3,824	3,832	4,224	4,448
Non-Labor	11,279	13,858	14,175	13,683
NSE	0	0	0	0
<b>Total</b>	<b>15,103</b>	<b>17,690</b>	<b>18,399</b>	<b>18,131</b>
FTE	43.2	42.4	48.0	51.2

*Note: Totals may include rounding differences.*



**Beginning of Workpaper**  
**2RF001.000 - Director**

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: D. Facility Operations  
 Category-Sub: 1. Facilities Director  
 Workpaper: 2RF001.000 - Director

**Activity Description:**

This activity consists of the costs associated with the Director and support staff for the Facility Operations and Planning departments.

**Forecast Explanations:**

**Labor - 5-YR Average**

The 5-year historical average is most appropriate because recorded costs for this activity have fluctuated in past years. In addition this methodology accurately reflects the current and forecasted staffing levels.

**Non-Labor - 5-YR Average**

The 5-year historical average is most appropriate because recorded costs for this activity have fluctuated in past years. This methodology accurately reflects current operations and economic conditions for costs.

**NSE - 5-YR Average**

Not Applicable

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		99	84	90	76	65	83	83	83	
Non-Labor		34	14	41	68	2	32	32	32	
NSE		0	0	0	0	0	0	0	0	
<b>Total</b>		<b>133</b>	<b>98</b>	<b>131</b>	<b>143</b>	<b>67</b>	<b>115</b>	<b>115</b>	<b>115</b>	
FTE		0.9	0.8	0.8	0.7	0.5	0.8	0.8	0.8	

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: D. Facility Operations  
 Category-Sub: 1. Facilities Director  
 Workpaper: 2RF001.000 - Director

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	5-YR Average	83	83	83	0	0	0	83	83	83
Non-Labor	5-YR Average	32	32	32	0	0	0	32	32	32
NSE	5-YR Average	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>114</b>	<b>114</b>	<b>114</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>114</b>	<b>114</b>	<b>114</b>
FTE	5-YR Average	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: D. Facility Operations  
Category-Sub: 1. Facilities Director  
Workpaper: 2RF001.000 - Director

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	78	67	74	63	56
Non-Labor	33	14	41	67	2
NSE	0	0	0	0	0
<b>Total</b>	<b>111</b>	<b>81</b>	<b>115</b>	<b>131</b>	<b>58</b>
FTE	0.8	0.7	0.7	0.6	0.4
<b>Adjustments (Nominal \$) **</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	78	67	74	63	56
Non-Labor	33	14	41	67	2
NSE	0	0	0	0	0
<b>Total</b>	<b>111</b>	<b>81</b>	<b>115</b>	<b>131</b>	<b>58</b>
FTE	0.8	0.7	0.7	0.6	0.4
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	12	11	12	10	9
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>12</b>	<b>11</b>	<b>12</b>	<b>10</b>	<b>9</b>
FTE	0.1	0.1	0.1	0.1	0.1
<b>Escalation to 2016\$</b>					
Labor	9	6	4	2	0
Non-Labor	1	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>10</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	99	84	90	76	65
Non-Labor	34	14	41	68	2
NSE	0	0	0	0	0
<b>Total</b>	<b>133</b>	<b>98</b>	<b>131</b>	<b>143</b>	<b>67</b>
FTE	0.9	0.8	0.8	0.7	0.5

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

Southern California Gas Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: D. Facility Operations  
 Category-Sub: 1. Facilities Director  
 Workpaper: 2RF001.000 - Director

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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*Note: Totals may include rounding differences.*

**Beginning of Workpaper**  
**2RF004.000 - Facility Operations**

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: D. Facility Operations  
 Category-Sub: 2. Facility Operations  
 Workpaper: 2RF004.000 - Facility Operations

**Activity Description:**

Facility Operations is tasked with operating an organization with safe, regulatory compliant, reliable, and suitable working environments for its employees. Some activities include: having safe and Americans with Disabilities Act (“ADA”) compliant access to our customers at the branch offices; having proper training of facility maintenance personnel to comply with all applicable rules and regulations; conducting regular preventative maintenance of SoCalGas facilities and grounds to check that we are operating with energy efficiency, environmental awareness and safety of our employees and the public in mind; having storm water pollution control regulations; address cleanliness of our parking lots and potential storm water runoff and discharge from our facilities. SoCalGas’ service territory encompasses approximately 20,000 square miles in diverse terrain throughout Central and Southern California, from Visalia to the Mexican border. Facility Operations provides operation and maintenance for 80 owned and staffed utility facilities averaging 47 years old. This workgroup contains the SoCalGas non-shared facility operation costs. Facility operations costs includes the labor and non-labor to support the maintenance of the Southern California Gas facilities, which include operating bases, branch offices, and multi-use sites.

**Forecast Explanations:**

**Labor - 5-YR Average**

The 5-year historical average is most appropriate because recorded costs for this activity have fluctuated in past years. In addition, this methodology accurately reflects the current and forecasted staffing levels and rates. This activity includes planning resources to support space configuration, move, add, change processes and analysis associated with optimizing space. This activity also includes a facility trainer to ensure facility mechanics stay current with safety practices and technological advances of new equipment.

**Non-Labor - 5-YR Average**

The 5-year historical average is most appropriate because recorded costs for this activity have fluctuated in the past years. This methodology accurately reflects the current operations and economic conditions for costs. This activity also includes a real estate planning study and review of space configuration.

**NSE - 5-YR Average**

N/A

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		4,919	4,396	4,379	3,986	3,824	3,832	4,224	4,448	
Non-Labor		12,716	11,141	13,322	11,284	11,279	13,859	14,176	13,684	
NSE		0	0	0	0	0	0	0	0	
<b>Total</b>		<b>17,634</b>	<b>15,537</b>	<b>17,702</b>	<b>15,271</b>	<b>15,103</b>	<b>17,691</b>	<b>18,400</b>	<b>18,132</b>	
FTE		56.9	50.7	49.0	45.4	43.1	42.4	48.0	51.2	

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: D. Facility Operations  
Category-Sub: 2. Facility Operations  
Workpaper: 2RF004.000 - Facility Operations

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	5-YR Average	4,301	4,301	4,301	-469	-77	147	3,832	4,224	4,448
Non-Labor	5-YR Average	11,948	11,948	11,948	1,910	2,227	1,735	13,858	14,175	13,683
NSE	5-YR Average	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>16,249</b>	<b>16,249</b>	<b>16,249</b>	<b>1,441</b>	<b>2,150</b>	<b>1,882</b>	<b>17,690</b>	<b>18,399</b>	<b>18,131</b>
FTE	5-YR Average	49.1	49.1	49.1	-6.7	-1.1	2.1	42.4	48.0	51.2

**Forecast Adjustment Details:**

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>	
2017	Other	-407	1,746	0	1,339	-5.8	1-Sided Adj	HTNGUYEN20161204142302060	
<b>Explanation:</b>		Increased utilities related to incremental NGV refueling stations; increased contracted services due to decreased internal resources; O&M upgrades on lighting; electrical panels; doors; equipment replacement; graffiti deterrent; branding; and preventative maintenance.							
2017	FOF-Ongoing	0	-105	0	-105	0.0	1-Sided Adj	HTNGUYEN20170719141933137	
<b>Explanation:</b>		FOF Group #101 contracting/procurement efficiencies							
2017	RAMP Incremental	0	220	0	220	0.0	1-Sided Adj	HTNGUYEN20170327103425580	
<b>Explanation:</b>		RAMP - SCG-05 Workplace Violence Contract Security - Incremental cost due to RAMP requirement							
2017	RAMP Incremental	0	12	0	12	0.0	1-Sided Adj	HTNGUYEN20170327103458310	
<b>Explanation:</b>		RAMP - SCG-05 Workplace Violence Physical Security system - Incremental cost due to RAMP requirement							
2017	RAMP Incremental	0	11	0	11	0.0	1-Sided Adj	HTNGUYEN20170327103520730	
<b>Explanation:</b>		RAMP - SCG-06 Physical Security Site Security Review - Incremental cost due to RAMP requirement							
2017	FOF-Ongoing	-62	-46	0	-108	-0.9	1-Sided Adj	HTNGUYEN20170309193453443	
<b>Explanation:</b>		FOF - FOF projects generate efficiencies in Labor and Non-Labor.							
2017	FOF-Implementation	0	72	0	72	0.0	1-Sided Adj	HTNGUYEN20170628133632223	
<b>Explanation:</b>		FOF - implementation cost for FOF # 280							
<b>2017 Total</b>		<b>-469</b>	<b>1,910</b>	<b>0</b>	<b>1,441</b>	<b>-6.7</b>			

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera



Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: D. Facility Operations  
 Category-Sub: 2. Facility Operations  
 Workpaper: 2RF004.000 - Facility Operations

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj_Type</u>	<u>RefID</u>
2018	Other	197	183	0	380	4.7	1-Sided Adj	HTNGUYEN20161204142319530
<b>Explanation:</b>		Increased utilities related to incremental NGV refueling stations; increased contracted services due to decreased internal resources; O&M upgrades on lighting; electrical panels; doors; equipment replacement; graffiti deterrent; branding; and preventative maintenance.						
2018	FOF-Ongoing	0	-457	0	-457	0.0	1-Sided Adj	HTNGUYEN20170719142002997
<b>Explanation:</b>		FOF Group #101 contracting/procurement efficiencies						
2018	RAMP Incremental	0	220	0	220	0.0	1-Sided Adj	HTNGUYEN20170327103558967
<b>Explanation:</b>		RAMP - SCG-05 Workplace Violence Contract Security - Incremental cost due to RAMP requirement						
2018	RAMP Incremental	0	14	0	14	0.0	1-Sided Adj	HTNGUYEN20170327103622310
<b>Explanation:</b>		RAMP - SCG-05 Workplace Violence Physical Security system - Incremental cost due to RAMP requirement						
2018	RAMP Incremental	0	11	0	11	0.0	1-Sided Adj	HTNGUYEN20170327103641767
<b>Explanation:</b>		RAMP - SCG-06 Physical Security Site Security Review - Incremental cost due to RAMP requirement						
2018	RAMP Incremental	0	800	0	800	0.0	1-Sided Adj	HTNGUYEN20170511104401660
<b>Explanation:</b>		RAMP - SCG-06 Physical Security Contract Security - Incremental cost for guards at 4 additional locations						
2018	FOF-Ongoing	-274	-449	0	-723	-5.8	1-Sided Adj	HTNGUYEN20170309194223683
<b>Explanation:</b>		FOF - FOF projects generate efficiencies in Labor and Non-Labor						
2018	FOF-Implementation	0	905	0	905	0.0	1-Sided Adj	HTNGUYEN20170628134155353
<b>Explanation:</b>		FOF - Implementation cost for FOF # 1080						
2018	Other	0	1,000	0	1,000	0.0	1-Sided Adj	HTNGUYEN20170511111038333
<b>Explanation:</b>		SoCalGas Real Estate planning study and review of space configuration.						
<b>2018 Total</b>		<b>-77</b>	<b>2,227</b>	<b>0</b>	<b>2,150</b>	<b>-1.1</b>		

2019	Other	604	970	0	1,574	9.3	1-Sided Adj	HTNGUYEN20161204142332963
<b>Explanation:</b>		Increased utilities related to incremental NGV refueling stations; increased contracted services due to decreased internal resources; O&M upgrades on lighting; electrical panels; doors; equipment replacement; graffiti deterrent; branding; and preventative maintenance.						

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: D. Facility Operations  
 Category-Sub: 2. Facility Operations  
 Workpaper: 2RF004.000 - Facility Operations

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj_Type</u>	<u>RefID</u>
2019	FOF-Ongoing	0	-468	0	-468	0.0	1-Sided Adj	HTNGUYEN20170719142031120
<b>Explanation:</b>		FOF Group #101 contracting/procurement efficiencies						
2019	RAMP Incremental	0	220	0	220	0.0	1-Sided Adj	HTNGUYEN20170327103728483
<b>Explanation:</b>		RAMP - SCG-05 Workplace Violence Contract Security - Incremental cost due to RAMP requirement						
2019	RAMP Incremental	0	16	0	16	0.0	1-Sided Adj	HTNGUYEN20170327103750890
<b>Explanation:</b>		RAMP - SCG-05 Workplace Violence Physical Security system - Incremental cost due to RAMP requirement						
2019	RAMP Incremental	0	11	0	11	0.0	1-Sided Adj	HTNGUYEN20170327103810920
<b>Explanation:</b>		RAMP - SCG-06 Physical Security Site Security Review - Incremental cost due to RAMP requirement						
2019	RAMP Incremental	0	800	0	800	0.0	1-Sided Adj	HTNGUYEN20170511110817813
<b>Explanation:</b>		RAMP - SCG-06 Physical Security Contract Security - Incremental cost for guards at 4 additional locations						
2019	FOF-Ongoing	-457	-814	0	-1,271	-7.2	1-Sided Adj	HTNGUYEN20170309194826283
<b>Explanation:</b>		FOF - FOF projects generate efficiencies in Labor and Non-Labor						
2019	Other	0	1,000	0	1,000	0.0	1-Sided Adj	HTNGUYEN20170511112456020
<b>Explanation:</b>		SoCalGas Real Estate planning study and review of space configuration.						
<b>2019 Total</b>		<b>147</b>	<b>1,735</b>	<b>0</b>	<b>1,882</b>	<b>2.1</b>		

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: D. Facility Operations  
Category-Sub: 2. Facility Operations  
Workpaper: 2RF004.000 - Facility Operations

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	3,709	3,356	3,493	3,349	3,252
Non-Labor	12,519	11,075	13,609	11,435	11,503
NSE	0	0	0	0	0
<b>Total</b>	<b>16,228</b>	<b>14,431</b>	<b>17,102</b>	<b>14,784</b>	<b>14,755</b>
FTE	47.0	41.5	40.9	38.9	36.5
<b>Adjustments (Nominal \$) **</b>					
Labor	152	159	97	0	31
Non-Labor	-161	-71	-242	-180	-224
NSE	0	0	0	0	0
<b>Total</b>	<b>-9</b>	<b>88</b>	<b>-146</b>	<b>-180</b>	<b>-193</b>
FTE	1.9	2.0	1.1	0.0	0.4
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	3,861	3,515	3,590	3,349	3,283
Non-Labor	12,358	11,004	13,366	11,255	11,279
NSE	0	0	0	0	0
<b>Total</b>	<b>16,219</b>	<b>14,520</b>	<b>16,956</b>	<b>14,604</b>	<b>14,562</b>
FTE	48.8	43.5	42.0	38.9	36.9
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	618	584	586	542	541
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>618</b>	<b>584</b>	<b>586</b>	<b>542</b>	<b>541</b>
FTE	8.1	7.3	7.0	6.5	6.2
<b>Escalation to 2016\$</b>					
Labor	440	296	203	95	0
Non-Labor	357	137	-44	29	0
NSE	0	0	0	0	0
<b>Total</b>	<b>797</b>	<b>433</b>	<b>159</b>	<b>125</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	4,919	4,396	4,379	3,986	3,824
Non-Labor	12,716	11,141	13,322	11,284	11,279
NSE	0	0	0	0	0
<b>Total</b>	<b>17,634</b>	<b>15,537</b>	<b>17,702</b>	<b>15,271</b>	<b>15,103</b>
FTE	56.9	50.8	49.0	45.4	43.1

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: D. Facility Operations  
 Category-Sub: 2. Facility Operations  
 Workpaper: 2RF004.000 - Facility Operations

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	152	159	97	0	31
Non-Labor	-161	-71	-242	-180	-224
NSE	0	0	0	0	0
<b>Total</b>	<b>-9</b>	<b>88</b>	<b>-146</b>	<b>-180</b>	<b>-193</b>
FTE	1.9	2.0	1.1	0.0	0.4

**Detail of Adjustments to Recorded:**

Year	Adj Group	Labor	NLbr	NSE	FTE	Adj Type	RefID
2012	Other	0	-161	0	0.0	CCTR Transf To 2200-0005.019	HTNGUYEN20161129154702210
<b>Explanation:</b>		Transportation subsidies should be moved from Fleet & Facilities area to the Compensation & BEnefits area where these subsidies are defeneded					
2012	Other	68	0	0	0.9	CCTR Transf From 2200-2266.000	HTNGUYEN20170627150221903
<b>Explanation:</b>		to move historical cost to 2200-0750 which will be used going forward. 2200-2266 is no longer being used.					
2012	Other	85	0	0	1.0	1-Sided Adj	HTNGUYEN20170310194309433
<b>Explanation:</b>		to receive historical cost from 2200-2266. 2200-2266 is no longer used and costs should be O&M NSS					
<b>2012 Total</b>		<b>152</b>	<b>-161</b>	<b>0</b>	<b>1.9</b>		
2013	Other	0	-134	0	0.0	CCTR Transf To 2200-0005.019	HTNGUYEN20161129154925510
<b>Explanation:</b>		Transportation subsidies should be moved from Fleet & Facilities area to the Compensation & BEnefits area where these subsidies are defeneded					
2013	Other	71	31	0	0.9	CCTR Transf From 2200-2266.000	HTNGUYEN20170627150322697
<b>Explanation:</b>		to move historical cost to 2200-0750 which will be used going forward. 2200-2266 is no longer being used.					
2013	Other	88	32	0	1.1	1-Sided Adj	HTNGUYEN20170310194438120
<b>Explanation:</b>		to receive historical cost from 2200-2266. 2200-2266 is no longer used and costs should be O&M NSS					
<b>2013 Total</b>		<b>159</b>	<b>-71</b>	<b>0</b>	<b>2.0</b>		
2014	Other	0	-245	0	0.0	CCTR Transf To 2200-0005.019	HTNGUYEN20161129155049607
<b>Explanation:</b>		Transportation subsidies should be moved from Fleet & Facilities area to the Compensation & BEnefits area where these subsidies are defeneded					

*Note: Totals may include rounding differences.*

Southern California Gas Company  
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Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: D. Facility Operations  
Category-Sub: 2. Facility Operations  
Workpaper: 2RF004.000 - Facility Operations

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
2014	Other	44	1	0	0.5	CCTR Transf From 2200-2266.000	HTNGUYEN20170627150357573
<b>Explanation:</b> to move historical cost to 2200-0750 which will be used going forward. 2200-2266 is no longer being used.							
2014	Other	53	1	0	0.6	1-Sided Adj	HTNGUYEN20170310194904560
<b>Explanation:</b> to receive historical cost from 2200-2266. 2200-2266 is no longer used and costs should be O&M NSS							
<b>2014 Total</b>		<b>97</b>	<b>-242</b>	<b>0</b>	<b>1.1</b>		
2015	Other	0	5	0	0.0	CCTR Transf From 2200-2266.000	HTNGUYEN20170627150509793
<b>Explanation:</b> to move historical cost to 2200-0750 which will be used going forward. 2200-2266 is no longer being used.							
2015	Other	0	-190	0	0.0	CCTR Transf To 2200-0005.019	HTNGUYEN20161129155205383
<b>Explanation:</b> Transportation subsidies are moved from Fleet & Facilities area to the Compensation & BEnefits area where these subsidies are defunded							
2015	Other	0	5	0	0.0	1-Sided Adj	HTNGUYEN20170310195232530
<b>Explanation:</b> to receive historical cost from 2200-2266. 2200-2266 is no longer used and costs should be O&M NSS							
<b>2015 Total</b>		<b>0</b>	<b>-180</b>	<b>0</b>	<b>0.0</b>		
2016	Other	0	-190	0	0.0	CCTR Transf To 2200-0005.019	HTNGUYEN20161129155241460
<b>Explanation:</b> Transportation subsidies are moved from Fleet & Facilities area to the Compensation & Benefits area where these subsidies are defunded							
2016	Other	14	1	0	0.2	CCTR Transf From 2200-2266.000	HTNGUYEN20170627150613950
<b>Explanation:</b> to move historical cost to 2200-0750 which will be used going forward. 2200-2266 is no longer being used.							
2016	Other	0	0	0	0.0	CCTR Transf From 2200-2266.000	HTNGUYEN20170628132257730
<b>Explanation:</b> to move historical cost to 2200-0750 which will be used going forward. 2200-2266 is no longer being used.							
2016	Other	0	-37	0	0.0	CCTR Transf To 2200-0005.019	HTNGUYEN20170214104729350
<b>Explanation:</b> Transportation subsidies are moved from Fleet & Facilities area to the Compensation & Benefits area where these subsidies are defunded							
2016	Other	17	1	0	0.2	1-Sided Adj	HTNGUYEN20170310195331877
<b>Explanation:</b> to receive historical cost from 2200-2266. 2200-2266 is no longer used and costs should be O&M NSS							
<b>2016 Total</b>		<b>31</b>	<b>-224</b>	<b>0</b>	<b>0.4</b>		

Note: Totals may include rounding differences.

Southern California Gas Company  
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Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: D. Facility Operations  
 Category-Sub: 2. Facility Operations  
 Workpaper: 2RF004.000 - Facility Operations

**RAMP Item # 1**

Ref ID: HTNGUYEN20170327103425580

RAMP Chapter: SCG-5

Program Name: Contract Security

Program Description: Security guard staffing

**Risk/Mitigation:**

Risk: Contract Security

Mitigation: New Contract Security

**Forecast CPUC Cost Estimates (\$000)**

	<u>2017</u>	<u>2018</u>	<u>2019</u>
Low	200	200	200
High	240	240	240

Funding Source: CPUC-GRC

Forecast Method: Average

Work Type: Non-Mandated

Work Type Citation: Non-Mandated

**Historical Embedded Cost Estimates (\$000)**

Embedded Costs: 0

Explanation:

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: D. Facility Operations  
Category-Sub: 2. Facility Operations  
Workpaper: 2RF004.000 - Facility Operations

**RAMP Item # 2**

Ref ID: HTNGUYEN20170327103458310

RAMP Chapter: SCG-5

Program Name: Physical Security Systems

Program Description: Physical security measures put in place for the security/safety of employees and infrastructure

**Risk/Mitigation:**

Risk: Physical Security

Mitigation: Physical Security

**Forecast CPUC Cost Estimates (\$000)**

	<u>2017</u>	<u>2018</u>	<u>2019</u>
Low	11	13	15
High	12	15	17

Funding Source: CPUC-GRC

Forecast Method: Average

Work Type: Non-Mandated

Work Type Citation: Non-Mandated

**Historical Embedded Cost Estimates (\$000)**

Embedded Costs: 0

Explanation:

Southern California Gas Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: D. Facility Operations  
Category-Sub: 2. Facility Operations  
Workpaper: 2RF004.000 - Facility Operations

**RAMP Item # 3**

Ref ID: HTNGUYEN20170327103520730

RAMP Chapter: SCG-6

Program Name: Site Security Reviews

Program Description: Onsite security surveys of infrastructure

**Risk/Mitigation:**

Risk: Site Security Reviews

Mitigation: Site Security Reviews

**Forecast CPUC Cost Estimates (\$000)**

	<u>2017</u>	<u>2018</u>	<u>2019</u>
Low	9	9	9
High	13	13	13

Funding Source: CPUC-GRC

Forecast Method: Average

Work Type: Non-Mandated

Work Type Citation: Non-Mandated

**Historical Embedded Cost Estimates (\$000)**

Embedded Costs: 0

Explanation:



Southern California Gas Company  
2019 GRC - APP  
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Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: D. Facility Operations  
Category-Sub: 2. Facility Operations  
Workpaper: 2RF004.000 - Facility Operations

**RAMP Item # 4**

Ref ID: HTNGUYEN20170627154220547

RAMP Chapter: SCG-6

Program Name: Contract Security

Program Description: Security Guards

**Risk/Mitigation:**

Risk: Contract Security

Mitigation: Additional Security Guards

**Forecast CPUC Cost Estimates (\$000)**

	<u>2017</u>	<u>2018</u>	<u>2019</u>
Low	0	700	700
High	0	900	900

Funding Source: CPUC-GRC

Forecast Method: Average

Work Type: Non-Mandated

Work Type Citation: Non-Mandated

**Historical Embedded Cost Estimates (\$000)**

Embedded Costs: 0

Explanation:

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera

**Summary of Shared Services Workpapers:**

Description	In 2016 \$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
		2016	2017	2018
A. Shared Fleet Management	2,236	2,295	2,500	2,500
B. Shared Facility Operations	3,500	3,895	3,845	3,845
<b>Total</b>	<b>5,736</b>	<b>6,190</b>	<b>6,345</b>	<b>6,345</b>

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Cost Center: VARIOUS

**Summary for Category: A. Shared Fleet Management**

	In 2016\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2016	2017	2018	2019
Labor	1,875	1,990	2,195	2,195
Non-Labor	361	305	305	305
NSE	0	0	0	0
<b>Total</b>	<b>2,236</b>	<b>2,295</b>	<b>2,500</b>	<b>2,500</b>
FTE	18.8	20.5	22.5	22.5

**Cost Centers belonging to this Category:**

**2200-2018.000 FLEET MANAGEMENT & SUPPORT**

Labor	1,615	1,771	1,976	1,976
Non-Labor	340	285	285	285
NSE	0	0	0	0
<b>Total</b>	<b>1,955</b>	<b>2,056</b>	<b>2,261</b>	<b>2,261</b>
FTE	17.6	19.4	21.4	21.4

**2200-2148.000 FLEET SERVICES DIRECTOR - SCG**

Labor	260	219	219	219
Non-Labor	21	20	20	20
NSE	0	0	0	0
<b>Total</b>	<b>281</b>	<b>239</b>	<b>239</b>	<b>239</b>
FTE	1.2	1.1	1.1	1.1

*Note: Totals may include rounding differences.*

**Beginning of Workpaper**  
**2200-2018.000 - FLEET MANAGEMENT & SUPPORT**

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2018.000 - FLEET MANAGEMENT & SUPPORT

**Activity Description:**

This activity consists of all the Fleet Management staff and technology systems that support the full life-cycle of the fleet assets. The activities include vehicle replacement planning, specification design, acquisition, quality inspection, disposition, maintenance management, compliance, Fleet System support, financial management, and training.

**Forecast Explanations:**

**Labor - 3-YR Average**

The 3-year average most accurately reflects the most recent changes in staffing levels and shared support between SoCalGas and SDG&E. This activity also reflects the costs associated with backfilling 1 quality inspection and 1 maintenance advisor staff as well as 2 incremental training and 1 incremental compliance staff in support of our new SMOG program and CHP BIT compliance program requirements. Additionally, the newly implemented Fleet management system allows SoCalGas to collect additional relevant data that facilitates increased analysis and ultimately improves business decisions.

**Non-Labor - 3-YR Average**

The 3-year average most accurately reflects the most recent cost associated with this activity.

**NSE - 3-YR Average**

N/A

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		1,533	1,555	1,409	1,324	1,615	1,770	1,975	1,975	
Non-Labor		435	581	304	212	340	285	285	285	
NSE		0	0	0	0	0	0	0	0	
<b>Total</b>		<b>1,968</b>	<b>2,136</b>	<b>1,714</b>	<b>1,536</b>	<b>1,955</b>	<b>2,055</b>	<b>2,260</b>	<b>2,260</b>	
FTE		16.3	17.1	15.5	15.2	17.7	19.4	21.4	21.4	

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2018.000 - FLEET MANAGEMENT & SUPPORT

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

	2016 Adjusted-Recorded					2017 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	4	0	0	4	0.0	1	0	0	1	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	1,611	340	0	1,951	17.6	1,769	285	0	2,054	19.4
<b>Total Incurred</b>	<b>1,615</b>	<b>340</b>	<b>0</b>	<b>1,955</b>	<b>17.6</b>	<b>1,770</b>	<b>285</b>	<b>0</b>	<b>2,055</b>	<b>19.4</b>
<b>% Allocation</b>										
Retained	71.43%	71.43%				71.43%	71.43%			
SEU	28.57%	28.57%				28.57%	28.57%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2018 Adjusted-Forecast					2019 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	1	0	0	1	0.0	1	0	0	1	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	1,974	285	0	2,259	21.4	1,974	285	0	2,259	21.4
<b>Total Incurred</b>	<b>1,975</b>	<b>285</b>	<b>0</b>	<b>2,260</b>	<b>21.4</b>	<b>1,975</b>	<b>285</b>	<b>0</b>	<b>2,260</b>	<b>21.4</b>
<b>% Allocation</b>										
Retained	71.43%	71.43%				71.43%	71.43%			
SEU	28.57%	28.57%				28.57%	28.57%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Shared Fleet Management  
Category-Sub: 1. Shared Fleet Management  
Cost Center: 2200-2018.000 - FLEET MANAGEMENT & SUPPORT

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

**Cost Center Allocation Percentage for 2016**

The level of activities provided to SDG&E varies with each employee in the Cost Center. The percentage of the cost center to bill affiliate is a weighted average for the employees in the cost center providing services. This cost center provides administrative and operational support for vehicle leasing and licensing for SCG and SDGE, and Fleet Data systems and analysis. Overhead related to office supplies, communication services, travel, and other expenses are incurred by SCG to provide services to SDG&E; therefore, non-labor costs are incurred in supplying the services and would be proportional to the labor.

**Cost Center Allocation Percentage for 2017**

The level of activities provided to SDG&E varies with each employee in the Cost Center. The percentage of the cost center to bill affiliate is a weighted average for the employees in the cost center providing services. This cost center provides administrative and operational support for vehicle leasing and licensing for SCG and SDGE, and Fleet Data systems and analysis. Overhead related to office supplies, communication services, travel, and other expenses are incurred by SCG to provide services to SDG&E; therefore, non-labor costs are incurred in supplying the services and would be proportional to the labor.

**Cost Center Allocation Percentage for 2018**

The level of activities provided to SDG&E varies with each employee in the Cost Center. The percentage of the cost center to bill affiliate is a weighted average for the employees in the cost center providing services. This cost center provides administrative and operational support for vehicle leasing and licensing for SCG and SDGE, and Fleet Data systems and analysis. Overhead related to office supplies, communication services, travel, and other expenses are incurred by SCG to provide services to SDG&E; therefore, non-labor costs are incurred in supplying the services and would be proportional to the labor.

**Cost Center Allocation Percentage for 2019**

The level of activities provided to SDG&E varies with each employee in the Cost Center. The percentage of the cost center to bill affiliate is a weighted average for the employees in the cost center providing services. This cost center provides administrative and operational support for vehicle leasing and licensing for SCG and SDGE, and Fleet Data systems and analysis. Overhead related to office supplies, communication services, travel, and other expenses are incurred by SCG to provide services to SDG&E; therefore, non-labor costs are incurred in supplying the services and would be proportional to the labor.

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2018.000 - FLEET MANAGEMENT & SUPPORT

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	3-YR Average	1,450	1,450	1,450	321	526	526	1,771	1,976	1,976
Non-Labor	3-YR Average	285	285	285	0	0	0	285	285	285
NSE	3-YR Average	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>1,735</b>	<b>1,735</b>	<b>1,735</b>	<b>321</b>	<b>526</b>	<b>526</b>	<b>2,056</b>	<b>2,261</b>	<b>2,261</b>
FTE	3-YR Average	16.1	16.1	16.1	3.3	5.3	5.3	19.4	21.4	21.4

**Forecast Adjustment Details:**

Year	Adj Group	Labor	NLbr	NSE	Total	FTE	Adj Type	RefID	
2017	Other	289	0	0	289	3.0	1-Sided Adj	AFUENTES20170310185942943	
<b>Explanation:</b>		This forecast includes 1 incremental FTE for a trainer to support the SMOG program, 1 backfill FTE for a fleet maintenance advisor, and 1 backfill FTE for a fleet new vehicle quality assurance specialists.							
2017	Other	32	0	0	32	0.3	1-Sided Adj	AFUENTES20170315114156250	
<b>Explanation:</b>		Incremental adjustment for resumption of routine workload of a Fleet Business Technology Support resource who was on a temporary assignment excluded from historical costs.							
<b>2017 Total</b>		<b>321</b>	<b>0</b>	<b>0</b>	<b>321</b>	<b>3.3</b>			
2018	Other	494	0	0	494	5.0	1-Sided Adj	AFUENTES20170310190221143	
<b>Explanation:</b>		This forecast includes 1 incremental FTE for a trainer to support the SMOG program, 1 backfill FTE for a fleet maintenance advisor, 1 backfill FTE for a fleet new vehicle quality assurance specialists, 1 incremental FTE for technology and Fleet maintenance trainer, and 1 incremental FTE for a Compliance Specialist.							
2018	Other	32	0	0	32	0.3	1-Sided Adj	AFUENTES20170315114218187	
<b>Explanation:</b>		Incremental adjustment for resumption of routine workload of a Fleet Business Technology Support resource who was on a temporary assignment excluded from historical costs.							
<b>2018 Total</b>		<b>526</b>	<b>0</b>	<b>0</b>	<b>526</b>	<b>5.3</b>			
2019	Other	494	0	0	494	5.0	1-Sided Adj	AFUENTES20170310191358303	
<b>Explanation:</b>		This forecast includes 1 incremental FTE for a trainer to support the SMOG program, 1 backfill FTE for a fleet maintenance advisor, 1 backfill FTE for a fleet new vehicle quality assurance specialists, 1 incremental FTE for technology and Fleet maintenance trainer, and 1 incremental FTE for a Compliance Specialist.							

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera



Southern California Gas Company  
 2019 GRC - APP  
 Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2018.000 - FLEET MANAGEMENT & SUPPORT

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj_Type</u>	<u>RefID</u>
2019	Other	32	0	0	32	0.3	1-Sided Adj	AFUENTES20170315114313543
<b>Explanation:</b>		Incremental adjustment for resumption of routine workload of a Fleet Business Technology Support resource who was on a temporary assignment excluded from historical costs.						
<b>2019 Total</b>		<b>526</b>	<b>0</b>	<b>0</b>	<b>526</b>	<b>5.3</b>		

Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2018.000 - FLEET MANAGEMENT & SUPPORT

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	277	340	224	143	75
Non-Labor	118	303	48	50	63
NSE	0	0	0	0	0
<b>Total</b>	<b>395</b>	<b>644</b>	<b>272</b>	<b>193</b>	<b>138</b>
FTE	3.2	3.9	2.3	1.5	0.6
<b>Adjustments (Nominal \$) **</b>					
Labor	970	942	961	983	1,312
Non-Labor	293	255	250	159	277
NSE	0	0	0	0	0
<b>Total</b>	<b>1,262</b>	<b>1,197</b>	<b>1,211</b>	<b>1,142</b>	<b>1,589</b>
FTE	10.8	10.7	11.0	11.5	14.5
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	1,247	1,282	1,185	1,126	1,387
Non-Labor	411	558	298	209	340
NSE	0	0	0	0	0
<b>Total</b>	<b>1,657</b>	<b>1,841</b>	<b>1,483</b>	<b>1,335</b>	<b>1,727</b>
FTE	14.0	14.6	13.3	13.0	15.1
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	200	213	193	182	228
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>200</b>	<b>213</b>	<b>193</b>	<b>182</b>	<b>228</b>
FTE	2.3	2.5	2.2	2.2	2.6
<b>Escalation to 2016\$</b>					
Labor	87	60	31	16	0
Non-Labor	25	22	7	3	0
NSE	0	0	0	0	0
<b>Total</b>	<b>111</b>	<b>82</b>	<b>37</b>	<b>19</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	1,533	1,555	1,409	1,324	1,615
Non-Labor	435	581	304	212	340
NSE	0	0	0	0	0
<b>Total</b>	<b>1,968</b>	<b>2,136</b>	<b>1,714</b>	<b>1,536</b>	<b>1,955</b>
FTE	16.3	17.1	15.5	15.2	17.7

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

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Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2018.000 - FLEET MANAGEMENT & SUPPORT

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	970	942	961	983	1,312
Non-Labor	293	255	250	159	277
NSE	0	0	0	0	0
<b>Total</b>	<b>1,262</b>	<b>1,197</b>	<b>1,211</b>	<b>1,142</b>	<b>1,589</b>
FTE	10.8	10.7	11.0	11.5	14.5

**Detail of Adjustments to Recorded:**

Year	Adj Group	Labor	NLbr	NSE	FTE	Adj Type	RefID
2012	Other	185	22	0	1.7	CCTR Transf From 2200-0802.000	AFUENTES20170310152552200
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2012	Other	269	234	0	3.4	CCTR Transf From 2200-0803.000	AFUENTES20170310152745920
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2012	Other	305	0	0	3.0	CCTR Transf From 2200-2148.000	AFUENTES20170310155532277
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2012	Other	9	1	0	0.1	CCTR Transf From 2200-2019.000	AFUENTES20170310152838107
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2012	Other	203	36	0	2.6	CCTR Transf From 2200-2020.000	AFUENTES20170310152931560
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2012 Total</b>		<b>970</b>	<b>293</b>	<b>0</b>	<b>10.8</b>		

2013	Other	187	16	0	1.7	CCTR Transf From 2200-0802.000	AFUENTES20170310153219993
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2013	Other	210	23	0	2.3	CCTR Transf From 2200-2148.000	AFUENTES20170310155655887
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2013	Other	261	201	0	3.2	CCTR Transf From 2200-0803.000	AFUENTES20170310153303373
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2013	Other	1	0	0	0.0	CCTR Transf From 2200-2019.000	AFUENTES20170310153359707
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2018.000 - FLEET MANAGEMENT & SUPPORT

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
2013	Other	283	15	0	3.5	CCTR Transf From 2200-2020.000	AFUENTES20170310153453733
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2013 Total</b>		<b>942</b>	<b>255</b>	<b>0</b>	<b>10.7</b>		
2014	Other	79	36	0	0.8	CCTR Transf From 2200-0802.000	AFUENTES20170310153558420
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2014	Other	48	63	0	1.1	CCTR Transf From 2200-2148.000	AFUENTES20170310155740590
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2014	Other	260	117	0	3.1	CCTR Transf From 2200-0803.000	AFUENTES20170310153647830
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2014	Other	0	0	0	0.0	CCTR Transf From 2200-2019.000	AFUENTES20170310153735010
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2014	Other	223	5	0	2.6	CCTR Transf From 2200-2020.000	AFUENTES20170310153807907
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2014	Other	107	5	0	0.8	CCTR Transf From 2200-2548.000	AFUENTES20170310153849377
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2014	Other	244	23	0	2.6	CCTR Transf From 2200-2550.000	AFUENTES20170310153935970
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2014 Total</b>		<b>961</b>	<b>250</b>	<b>0</b>	<b>11.0</b>		
2015	Other	261	95	0	2.4	CCTR Transf From 2200-0802.000	AFUENTES20170310154035473
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2015	Other	-8	1	0	0.1	CCTR Transf From 2200-2550.000	AFUENTES20170310154544007
<b>Explanation:</b> Adjustment to reflect Commutation Credits in proper cost center. Should be reflected within Director Non Shared cost center 2200-2549.							
2015	Other	325	30	0	4.3	CCTR Transf From 2200-2148.000	AFUENTES20170310155828843
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2015	Other	180	5	0	2.1	CCTR Transf From 2200-0803.000	AFUENTES20170310154113443
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2018.000 - FLEET MANAGEMENT & SUPPORT

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
2015	Other	0	0	0	0.0	CCTR Transf From 2200-2019.000	AFUENTES20170310154154427
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2015	Other	228	3	0	2.6	CCTR Transf From 2200-2020.000	AFUENTES20170310154241003
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2015	Other	-3	25	0	0.0	CCTR Transf From 2200-2548.000	AFUENTES20170310154340960
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2015 Total</b>		<b>983</b>	<b>159</b>	<b>0</b>	<b>11.5</b>		
2016	Other	534	88	0	6.7	CCTR Transf From 2200-2148.000	AFUENTES20170310161508820
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2016	Other	520	126	0	5.2	CCTR Transf From 2200-0802.000	AFUENTES20170310154838843
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2016	Other	0	6	0	0.0	CCTR Transf From 2200-0803.000	AFUENTES20170310155001673
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2016	Other	187	7	0	1.8	CCTR Transf From 2200-2019.000	AFUENTES20170310155047733
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2016	Other	98	7	0	1.1	CCTR Transf From 2200-2020.000	AFUENTES20170310155124660
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2016	Other	0	46	0	0.0	CCTR Transf From 2200-2548.000	AFUENTES20170310155157447
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2016	Other	0	1	0	0.0	CCTR Transf From 2200-2550.000	AFUENTES20170310155234327
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
2016	Aliso	-28	-4	0	-0.3	1-Sided Adj	AFUENTES20170310162009820
<b>Explanation:</b> ALISO Canyon Incident - Excluding costs & associated FTEs. 300775156 Wellhead Leak.							
<b>2016 Total</b>		<b>1,312</b>	<b>277</b>	<b>0</b>	<b>14.5</b>		

Note: Totals may include rounding differences.

**Beginning of Workpaper**  
**2200-2148.000 - FLEET SERVICES DIRECTOR - SCG**

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2148.000 - FLEET SERVICES DIRECTOR - SCG

**Activity Description:**

This activity consists of the Fleet Services Director and one administrative staff who provides leadership guidance and overall support for all of Fleet Services.

**Forecast Explanations:**

**Labor - 3-YR Average**

The 3-year historical average is most appropriate because recorded costs for this activity have fluctuated in the past three years. In addition, this methodology accurately reflects the current staffing level with one director for both SDG&E Fleet Services and SoCalGas Fleet Services and economic conditions for costs.

**Non-Labor - 3-YR Average**

The 3-year historical average is most appropriate because recorded costs for this activity have fluctuated in the past three years. In addition, this methodology accurately reflects the current operations with one director for both SDG&E Fleet Services and SoCalGas Fleet Services and economic conditions for costs.

**NSE - 3-YR Average**

N/A

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		158	163	191	206	260	219	219	219	
Non-Labor		1	2	20	18	21	19	19	19	
NSE		0	0	0	0	0	0	0	0	
<b>Total</b>		<b>159</b>	<b>165</b>	<b>212</b>	<b>224</b>	<b>281</b>	<b>238</b>	<b>238</b>	<b>238</b>	
FTE		2.1	1.5	1.2	0.8	1.2	1.0	1.0	1.0	

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2148.000 - FLEET SERVICES DIRECTOR - SCG

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

	2016 Adjusted-Recorded					2017 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	4	15	0	19	0.0	2	-30	0	-28	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	255	7	0	262	1.1	217	49	0	266	1.0
<b>Total Incurred</b>	<b>259</b>	<b>22</b>	<b>0</b>	<b>281</b>	<b>1.1</b>	<b>219</b>	<b>19</b>	<b>0</b>	<b>238</b>	<b>1.0</b>
<b>% Allocation</b>										
Retained	57.44%	57.44%				57.44%	57.44%			
SEU	42.56%	42.56%				42.56%	42.56%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2018 Adjusted-Forecast					2019 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	2	-30	0	-28	0.0	2	-30	0	-28	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	217	49	0	266	1.0	217	49	0	266	1.0
<b>Total Incurred</b>	<b>219</b>	<b>19</b>	<b>0</b>	<b>238</b>	<b>1.0</b>	<b>219</b>	<b>19</b>	<b>0</b>	<b>238</b>	<b>1.0</b>
<b>% Allocation</b>										
Retained	57.44%	57.44%				57.44%	57.44%			
SEU	42.56%	42.56%				42.56%	42.56%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Note: Totals may include rounding differences.



Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: A. Shared Fleet Management  
Category-Sub: 1. Shared Fleet Management  
Cost Center: 2200-2148.000 - FLEET SERVICES DIRECTOR - SCG

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

**Cost Center Allocation Percentage for 2016**

Any expenses that occur in this cost center will be allocated per the allocations for all Fleet Services management cost centers based on the financial summary rollup of the split between labor and non-labor costs. Percentages retained is based on weighted average of labor and non-labor allocations.

**Cost Center Allocation Percentage for 2017**

Any expenses that occur in this cost center will be allocated per the allocations for all Fleet Services management cost centers based on the financial summary rollup of the split between labor and non-labor costs. Percentages retained is based on weighted average of labor and non-labor allocations.

**Cost Center Allocation Percentage for 2018**

Any expenses that occur in this cost center will be allocated per the allocations for all Fleet Services management cost centers based on the financial summary rollup of the split between labor and non-labor costs. Percentages retained is based on weighted average of labor and non-labor allocations.

**Cost Center Allocation Percentage for 2019**

Any expenses that occur in this cost center will be allocated per the allocations for all Fleet Services management cost centers based on the financial summary rollup of the split between labor and non-labor costs. Percentages retained is based on weighted average of labor and non-labor allocations.

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2148.000 - FLEET SERVICES DIRECTOR - SCG

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	3-YR Average	219	219	219	0	0	0	219	219	219
Non-Labor	3-YR Average	20	20	20	0	0	0	20	20	20
NSE	3-YR Average	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>239</b>	<b>239</b>	<b>239</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>239</b>	<b>239</b>	<b>239</b>
FTE	3-YR Average	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2148.000 - FLEET SERVICES DIRECTOR - SCG

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	389	344	209	500	757
Non-Labor	-429	-395	83	48	109
NSE	0	0	0	0	0
<b>Total</b>	<b>-39</b>	<b>-51</b>	<b>293</b>	<b>548</b>	<b>867</b>
FTE	4.0	3.6	2.1	5.0	7.7
<b>Adjustments (Nominal \$) **</b>					
Labor	-261	-210	-48	-325	-534
Non-Labor	430	397	-63	-30	-88
NSE	0	0	0	0	0
<b>Total</b>	<b>169</b>	<b>187</b>	<b>-112</b>	<b>-355</b>	<b>-623</b>
FTE	-2.2	-2.3	-1.1	-4.3	-6.7
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	128	134	161	175	223
Non-Labor	1	2	20	18	21
NSE	0	0	0	0	0
<b>Total</b>	<b>130</b>	<b>136</b>	<b>181</b>	<b>193</b>	<b>244</b>
FTE	1.8	1.3	1.0	0.7	1.0
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	21	22	26	28	37
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>21</b>	<b>22</b>	<b>26</b>	<b>28</b>	<b>37</b>
FTE	0.3	0.2	0.2	0.1	0.2
<b>Escalation to 2016\$</b>					
Labor	9	6	4	3	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>9</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	158	163	191	206	260
Non-Labor	1	2	20	18	21
NSE	0	0	0	0	0
<b>Total</b>	<b>159</b>	<b>165</b>	<b>212</b>	<b>224</b>	<b>281</b>
FTE	2.1	1.5	1.2	0.8	1.2

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2148.000 - FLEET SERVICES DIRECTOR - SCG

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	-261	-210	-48	-325	-534
Non-Labor	430	397	-63	-30	-88
NSE	0	0	0	0	0
<b>Total</b>	<b>169</b>	<b>187</b>	<b>-112</b>	<b>-355</b>	<b>-623</b>
FTE	-2.2	-2.3	-1.1	-4.3	-6.7

**Detail of Adjustments to Recorded:**

Year	Adj Group	Labor	NLbr	NSE	FTE	Adj Type	RefID
2012	Other	0	394	0	0.0	CCTR Transf To 2200-2549.000	AFUENTES20170224151648860
<b>Explanation:</b> Adjustment to reflect Commutation Credits in proper cost center. Should be reflected within Director Non Shared cost center 2200-2549.							
2012	Other	44	36	0	0.8	1-Sided Adj	AFUENTES20170224154921453
<b>Explanation:</b> Adjusted to reflect 2012 actuals.							
2012	Other	-305	0	0	-3.0	CCTR Transf To 2200-2018.000	AFUENTES20170310155532277
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2012 Total</b>		<b>-261</b>	<b>430</b>	<b>0</b>	<b>-2.2</b>		
2013	Other	0	0	0	0.0	CCTR Transf To 2200-2549.000	AFUENTES20170224151854250
<b>Explanation:</b> Adjustment to reflect Commutation Credits in proper cost center. Should be reflected within Director Non Shared cost center 2200-2549.							
2013	Other	0	420	0	0.0	CCTR Transf To 2200-2549.000	AFUENTES20170224151925563
<b>Explanation:</b> Adjustment to reflect Commutation Credits in proper cost center. Should be reflected within Director Non Shared cost center 2200-2549.							
2013	Other	-210	-23	0	-2.3	CCTR Transf To 2200-2018.000	AFUENTES20170310155655887
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2013 Total</b>		<b>-210</b>	<b>397</b>	<b>0</b>	<b>-2.3</b>		
2014	Other	-48	-63	0	-1.1	CCTR Transf To 2200-2018.000	AFUENTES20170310155740590
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: A. Shared Fleet Management  
 Category-Sub: 1. Shared Fleet Management  
 Cost Center: 2200-2148.000 - FLEET SERVICES DIRECTOR - SCG

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
<b>2014 Total</b>		<b>-48</b>	<b>-63</b>	<b>0</b>	<b>-1.1</b>		
2015	Other	-325	-30	0	-4.3	CCTR Transf To 2200-2018.000	AFUENTES20170310155828843
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2015 Total</b>		<b>-325</b>	<b>-30</b>	<b>0</b>	<b>-4.3</b>		
2016	Other	-534	-88	0	-6.7	CCTR Transf To 2200-2018.000	AFUENTES20170310161508820
<b>Explanation:</b> Adjustment created to move historical actuals from non-shared to shared cost center.							
<b>2016 Total</b>		<b>-534</b>	<b>-88</b>	<b>0</b>	<b>-6.7</b>		

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: B. Shared Facility Operations  
Cost Center: VARIOUS

**Summary for Category: B. Shared Facility Operations**

	In 2016\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2016	2017	2018	2019
Labor	1,377	1,206	1,206	1,206
Non-Labor	2,123	2,688	2,638	2,638
NSE	0	0	0	0
<b>Total</b>	<b>3,500</b>	<b>3,894</b>	<b>3,844</b>	<b>3,844</b>
FTE	16.3	15.3	15.3	15.3

**Cost Centers belonging to this Category:**

**2200-0696.000 FACILITIES-MONTEREY PARK MGR**

Labor	605	398	398	398
Non-Labor	1,695	1,933	1,933	1,933
NSE	0	0	0	0
<b>Total</b>	<b>2,300</b>	<b>2,331</b>	<b>2,331</b>	<b>2,331</b>
FTE	6.8	4.7	4.7	4.7

**2200-0735.000 FACILITIES GCT**

Labor	772	808	808	808
Non-Labor	428	755	705	705
NSE	0	0	0	0
<b>Total</b>	<b>1,200</b>	<b>1,563</b>	<b>1,513</b>	<b>1,513</b>
FTE	9.5	10.6	10.6	10.6

*Note: Totals may include rounding differences.*

**Beginning of Workpaper**  
**2200-0696.000 - FACILITIES-MONTEREY PARK MGR**

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Shared Facility Operations  
 Category-Sub: 1. Shared Facility Operations  
 Cost Center: 2200-0696.000 - FACILITIES-MONTEREY PARK MGR

**Activity Description:**

This cost center contains facility operations, houses the data center, maintenance expenses (e.g. mechanics and a manager labor, facility operations non-labor expenses such as general maintenance, janitorial, landscaping, and security maintenance) and a new employee learning center.

**Forecast Explanations:**

**Labor - 4-YR Average**

The 4-year average was used as it represents the current labor needs within the facility following the expansion of the data center and construction of the Learning Center. These costs are allocated back to SDG&E and Corporate Center based on the amount of space used and the respective Shared Services percentages of each occupying utility.

**Non-Labor - 4-YR Average**

The 4-year average was used as it represents the current non-labor needs within the facility following the expansion of the data center and construction of the Learning Center. These costs are allocated back to SDG&E and Corporate Center based on the amount of space used and the respective Shared Services percentages of each occupying utility. The data center allocation method, however, is based on Local Area Network LAN ID's (applied to the electric costs of the Data Center) to compute the allocation percentages.

**NSE - 4-YR Average**

Not Applicable

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		321	337	308	344	605	398	398	398	
Non-Labor		1,644	1,927	2,166	1,946	1,695	1,934	1,934	1,934	
NSE		0	0	0	0	0	0	0	0	
<b>Total</b>		<b>1,965</b>	<b>2,264</b>	<b>2,473</b>	<b>2,290</b>	<b>2,300</b>	<b>2,332</b>	<b>2,332</b>	<b>2,332</b>	
FTE		3.7	4.1	3.7	4.1	6.8	4.7	4.7	4.7	

*Note: Totals may include rounding differences.*



Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Shared Facility Operations  
 Category-Sub: 1. Shared Facility Operations  
 Cost Center: 2200-0696.000 - FACILITIES-MONTEREY PARK MGR

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

	2016 Adjusted-Recorded					2017 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	3	0	0	3	0.0	0	0	0	0	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	602	1,696	0	2,298	6.8	398	1,934	0	2,332	4.7
<b>Total Incurred</b>	<b>605</b>	<b>1,696</b>	<b>0</b>	<b>2,301</b>	<b>6.8</b>	<b>398</b>	<b>1,934</b>	<b>0</b>	<b>2,332</b>	<b>4.7</b>
<b>% Allocation</b>										
Retained	77.22%	77.22%				77.22%	77.22%			
SEU	21.01%	21.01%				21.01%	21.01%			
CORP	1.77%	1.77%				1.77%	1.77%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2018 Adjusted-Forecast					2019 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.0	0	0	0	0	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	398	1,934	0	2,332	4.7	398	1,934	0	2,332	4.7
<b>Total Incurred</b>	<b>398</b>	<b>1,934</b>	<b>0</b>	<b>2,332</b>	<b>4.7</b>	<b>398</b>	<b>1,934</b>	<b>0</b>	<b>2,332</b>	<b>4.7</b>
<b>% Allocation</b>										
Retained	77.22%	77.22%				77.22%	77.22%			
SEU	21.01%	21.01%				21.01%	21.01%			
CORP	1.77%	1.77%				1.77%	1.77%			
Unreg	0.00%	0.00%				0.00%	0.00%			

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

**Cost Center Allocation Percentage for 2016**

These costs are allocated back to SDG&E and Corporate Center based on the amount of space used and the respective Shared Services percentages of each occupying utility.

**Cost Center Allocation Percentage for 2017**

These costs are allocated back to SDG&E and Corporate Center based on the amount of space used and the respective Shared Services percentages of each occupying utility.

**Cost Center Allocation Percentage for 2018**

These costs are allocated back to SDG&E and Corporate Center based on the amount of space used and the respective Shared Services percentages of each occupying utility.

**Cost Center Allocation Percentage for 2019**

These costs are allocated back to SDG&E and Corporate Center based on the amount of space used and the respective Shared Services percentages of each occupying utility.

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Shared Facility Operations  
 Category-Sub: 1. Shared Facility Operations  
 Cost Center: 2200-0696.000 - FACILITIES-MONTEREY PARK MGR

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	4-YR Average	398	398	398	0	0	0	398	398	398
Non-Labor	4-YR Average	1,933	1,933	1,933	0	0	0	1,933	1,933	1,933
NSE	4-YR Average	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>2,332</b>	<b>2,332</b>	<b>2,332</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,332</b>	<b>2,332</b>	<b>2,332</b>
FTE	4-YR Average	4.7	4.7	4.7	0.0	0.0	0.0	4.7	4.7	4.7

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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Note: Totals may include rounding differences.

SCG/FLEET & FACILITIES/Exh No:SCG-23-WP/Witness: C. Herrera

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Shared Facility Operations  
 Category-Sub: 1. Shared Facility Operations  
 Cost Center: 2200-0696.000 - FACILITIES-MONTEREY PARK MGR

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	261	278	259	292	519
Non-Labor	1,551	1,853	2,119	1,922	1,695
NSE	0	0	0	0	0
<b>Total</b>	<b>1,812</b>	<b>2,131</b>	<b>2,377</b>	<b>2,214</b>	<b>2,215</b>
FTE	3.2	3.5	3.2	3.5	5.8
<b>Adjustments (Nominal \$) **</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	261	278	259	292	519
Non-Labor	1,551	1,853	2,119	1,922	1,695
NSE	0	0	0	0	0
<b>Total</b>	<b>1,812</b>	<b>2,131</b>	<b>2,377</b>	<b>2,214</b>	<b>2,215</b>
FTE	3.2	3.5	3.2	3.5	5.8
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	42	46	42	47	86
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>42</b>	<b>46</b>	<b>42</b>	<b>47</b>	<b>86</b>
FTE	0.5	0.6	0.5	0.6	1.0
<b>Escalation to 2016\$</b>					
Labor	18	13	7	4	0
Non-Labor	93	74	47	24	0
NSE	0	0	0	0	0
<b>Total</b>	<b>111</b>	<b>87</b>	<b>54</b>	<b>28</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	321	337	308	344	605
Non-Labor	1,644	1,927	2,166	1,946	1,695
NSE	0	0	0	0	0
<b>Total</b>	<b>1,965</b>	<b>2,264</b>	<b>2,473</b>	<b>2,290</b>	<b>2,300</b>
FTE	3.7	4.1	3.7	4.1	6.8

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Shared Facility Operations  
 Category-Sub: 1. Shared Facility Operations  
 Cost Center: 2200-0696.000 - FACILITIES-MONTEREY PARK MGR

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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*Note: Totals may include rounding differences.*

**Beginning of Workpaper**  
**2200-0735.000 - FACILITIES GCT**

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Shared Facility Operations  
 Category-Sub: 1. Shared Facility Operations  
 Cost Center: 2200-0735.000 - FACILITIES GCT

**Activity Description:**

This activity consists of the facility operations and maintenance expenses (e.g., mechanic and manager labor, facility operations non-labor expenses such as general maintenance, janitorial, and security maintenance) for Gas Company Tower (GCT).

**Forecast Explanations:**

**Labor - 5-YR Average**

The 5-YR average was used as it most accurately reflects the current staffing levels needed. These costs are allocated back to SDG&E and Corporate Center based on the amount of space used and the respective Shared Services percentages of each occupying utility.

**Non-Labor - 5-YR Average**

The 5-YR average was used as it most accurately reflects the current costs to support this facility. These costs are allocated back to SDG&E and Corporate Center based on the amount of space used and the respective Shared Services percentages of each occupying utility. GCT is supporting a new conference room reservation system installation along with increased security costs.

**NSE - 5-YR Average**

Not Applicable

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		830	785	909	742	772	807	807	807	
Non-Labor		596	474	417	362	428	756	706	706	
NSE		0	0	0	0	0	0	0	0	
<b>Total</b>		<b>1,426</b>	<b>1,259</b>	<b>1,326</b>	<b>1,104</b>	<b>1,200</b>	<b>1,563</b>	<b>1,513</b>	<b>1,513</b>	
FTE		11.1	10.4	11.9	9.8	9.5	10.5	10.5	10.5	

*Note: Totals may include rounding differences.*

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Shared Facility Operations  
 Category-Sub: 1. Shared Facility Operations  
 Cost Center: 2200-0735.000 - FACILITIES GCT

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

	2016 Adjusted-Recorded					2017 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	21	19	0	40	0.2	6	10	0	16	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	751	409	0	1,160	9.3	801	746	0	1,547	10.5
<b>Total Incurred</b>	<b>772</b>	<b>428</b>	<b>0</b>	<b>1,200</b>	<b>9.5</b>	<b>807</b>	<b>756</b>	<b>0</b>	<b>1,563</b>	<b>10.5</b>
<b>% Allocation</b>										
Retained	98.82%	98.82%				98.82%	98.82%			
SEU	0.41%	0.41%				0.41%	0.41%			
CORP	0.77%	0.77%				0.77%	0.77%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2018 Adjusted-Forecast					2019 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	6	10	0	16	0.0	6	10	0	16	0.0
Directly Allocated	0	0	0	0	0.0	0	0	0	0	0.0
Subj. To % Alloc.	801	696	0	1,497	10.5	801	696	0	1,497	10.5
<b>Total Incurred</b>	<b>807</b>	<b>706</b>	<b>0</b>	<b>1,513</b>	<b>10.5</b>	<b>807</b>	<b>706</b>	<b>0</b>	<b>1,513</b>	<b>10.5</b>
<b>% Allocation</b>										
Retained	98.82%	98.82%				98.82%	98.82%			
SEU	0.41%	0.41%				0.41%	0.41%			
CORP	0.77%	0.77%				0.77%	0.77%			
Unreg	0.00%	0.00%				0.00%	0.00%			

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

**Cost Center Allocation Percentage for 2016**

These costs are allocated back to SDG&E and Corporate Center based on the amount of space used and the respective Shared Services percentages of each occupying utility.

**Cost Center Allocation Percentage for 2017**

These costs are allocated back to SDG&E and Corporate Center based on the amount of space used and the respective Shared Services percentages of each occupying utility.

**Cost Center Allocation Percentage for 2018**

These costs are allocated back to SDG&E and Corporate Center based on the amount of space used and the respective Shared Services percentages of each occupying utility.

**Cost Center Allocation Percentage for 2019**

These costs are allocated back to SDG&E and Corporate Center based on the amount of space used and the respective Shared Services percentages of each occupying utility.

Note: Totals may include rounding differences.

Southern California Gas Company  
2019 GRC - APP  
Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Shared Facility Operations  
 Category-Sub: 1. Shared Facility Operations  
 Cost Center: 2200-0735.000 - FACILITIES GCT

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	5-YR Average	808	808	808	0	0	0	808	808	808
Non-Labor	5-YR Average	455	455	455	300	250	250	755	705	705
NSE	5-YR Average	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>1,263</b>	<b>1,263</b>	<b>1,263</b>	<b>300</b>	<b>250</b>	<b>250</b>	<b>1,563</b>	<b>1,513</b>	<b>1,513</b>
FTE	5-YR Average	10.6	10.6	10.6	0.0	0.0	0.0	10.6	10.6	10.6

**Forecast Adjustment Details:**

Year	Adj Group	Labor	NLbr	NSE	Total	FTE	Adj Type	RefID	
2017	Other	0	300	0	300	0.0	1-Sided Adj	HTNGUYEN20161204154954183	
<b>Explanation:</b>		Security cost increases; conference room reservation system installation; licensing and support; upgrades; and repairs to facility.							
<b>2017 Total</b>		<b>0</b>	<b>300</b>	<b>0</b>	<b>300</b>	<b>0.0</b>			
2018	Other	0	250	0	250	0.0	1-Sided Adj	HTNGUYEN20161204155021930	
<b>Explanation:</b>		Security cost increases; conference room reservation system installation; licensing and support; upgrades; and repairs to facility.							
<b>2018 Total</b>		<b>0</b>	<b>250</b>	<b>0</b>	<b>250</b>	<b>0.0</b>			
2019	Other	0	250	0	250	0.0	1-Sided Adj	HTNGUYEN20161204155037057	
<b>Explanation:</b>		Security cost increases; conference room reservation system installation; licensing and support; upgrades; and repairs to facility.							
<b>2019 Total</b>		<b>0</b>	<b>250</b>	<b>0</b>	<b>250</b>	<b>0.0</b>			

Note: Totals may include rounding differences.



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Shared Services Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera  
Category: B. Shared Facility Operations  
Category-Sub: 1. Shared Facility Operations  
Cost Center: 2200-0735.000 - FACILITIES GCT

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	675	647	764	631	663
Non-Labor	562	455	408	358	428
NSE	0	0	0	0	0
<b>Total</b>	<b>1,237</b>	<b>1,102</b>	<b>1,172</b>	<b>989</b>	<b>1,091</b>
FTE	9.5	8.9	10.2	8.4	8.2
<b>Adjustments (Nominal \$) **</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	675	647	764	631	663
Non-Labor	562	455	408	358	428
NSE	0	0	0	0	0
<b>Total</b>	<b>1,237</b>	<b>1,102</b>	<b>1,172</b>	<b>989</b>	<b>1,091</b>
FTE	9.5	8.9	10.2	8.4	8.2
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	108	108	125	102	109
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>108</b>	<b>108</b>	<b>125</b>	<b>102</b>	<b>109</b>
FTE	1.6	1.5	1.7	1.4	1.4
<b>Escalation to 2016\$</b>					
Labor	47	30	20	9	0
Non-Labor	34	18	9	4	0
NSE	0	0	0	0	0
<b>Total</b>	<b>81</b>	<b>49</b>	<b>29</b>	<b>14</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	830	785	909	742	772
Non-Labor	596	474	417	362	428
NSE	0	0	0	0	0
<b>Total</b>	<b>1,426</b>	<b>1,259</b>	<b>1,326</b>	<b>1,104</b>	<b>1,200</b>
FTE	11.1	10.4	11.9	9.8	9.6

\* After company-wide exclusions of Non-GRC costs

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

Note: Totals may include rounding differences.

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Shared Services Workpapers

Area: FLEET & FACILITIES  
 Witness: Carmen L. Herrera  
 Category: B. Shared Facility Operations  
 Category-Sub: 1. Shared Facility Operations  
 Cost Center: 2200-0735.000 - FACILITIES GCT

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2012	2013	2014	2015	2016
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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*Note: Totals may include rounding differences.*

Southern California Gas Company  
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Non-Shared Service Workpapers

Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera

**Appendix A: List of Non-Shared Cost Centers**

<b>Cost Center</b>	<b>Sub</b>	<b>Description</b>
2200-0623	000	FLEET CANOGA PARK
2200-0624	000	FLEET SATICOY
2200-0625	000	FLEET GLENDALE
2200-0626	000	FLEET HOLLYWOOD
2200-0627	000	FLEET JUANITA
2200-0628	000	FLEET WHEELER RIDGE
2200-0629	000	FLEET VISALIA
2200-0630	000	FLEET LANCASTER
2200-0631	000	FLEET BAKERSFIELD
2200-0632	000	FLEET VALENCIA
2200-0633	000	FLEET BRANFORD
2200-0634	000	FLEET HON RANCHO
2200-0635	000	FLEET SIMI VALLEY
2200-0636	000	FLEET OXNARD
2200-0637	000	FLEET STA BARBARA
2200-0638	000	FLEET STA MARIA
2200-0639	000	FLEET SAN LUIS
2200-0640	000	FLEET GOLETA
2200-0641	000	FACILITIES MANAGER - CHATSWORTH
2200-0642	000	LOMPOC BRANCH OFFICE
2200-0643	000	OXNARD BRANCH OFFICE
2200-0644	000	PORTERVILLE BRANCH OFFICE
2200-0645	000	SAN LUIS OBISPO BRANCH OFFICE
2200-0646	000	SANTA BARBARA BRANCH OFFICE
2200-0647	000	SANTA MARIA BRANCH OFFICE
2200-0648	000	FACILITIES VENTURA COMPRESSOR STATION
2200-0649	000	FACILITIES SANTA BARBARA
2200-0650	000	FACILITIES CANOGA PARK
2200-0651	000	FACILITIES OXNARD
2200-0652	000	FACILITIES SAN LUIS
2200-0653	000	FACILITIES SANTA MARIA
2200-0654	000	FACILITIES SATICOY
2200-0655	000	FACILITIES SIMI VALLEY
2200-0656	000	FACILITIES GOLETA TRANS
2200-0657	000	FACILITIES HONOR RANCHO
2200-0658	000	FACILITIES ALISO
2200-0659	000	FACILITIES NEWHALL
2200-0660	000	FACILITIES BAKERSFIELD
2200-0661	000	FACILITIES VISALIA
2200-0662	000	DELANO BRANCH OFFICE
2200-0663	000	DINUBA BRANCH OFFICE
2200-0664	000	HANFORD BRANCH OFFICE
2200-0665	000	LANCASTER BRANCH OFFICE
2200-0666	000	VAN NUYS BRANCH OFFICE
2200-0667	000	VISALIA BRANCH OFFICE

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Area: FLEET & FACILITIES  
Witness: Carmen L. Herrera

**Appendix A: List of Non-Shared Cost Centers**

<b>Cost Center</b>	<b>Sub</b>	<b>Description</b>
2200-0668	000	FACILITIES VISALIA
2200-0669	000	FACILITIES LANCASTER
2200-0670	000	FACILITIES HOLLYWOOD
2200-0671	000	FACILITIES JUANITA
2200-0672	000	FACILITIES VALENCIA
2200-0673	000	FACILITIES BRANFORD
2200-0674	000	FACILITIES GLENDALE
2200-0675	000	GLENDALE BRANCH OFFICE
2200-0676	000	SAN FERNANDO BRANCH OFFICE
2200-0677	000	SERVICE CENTER UTILITY CHARGES
2200-0681	000	FLEET SBRNDO
2200-0682	000	FLEET BEAUMT
2200-0683	000	FLEET ELCNTO
2200-0684	000	FLEET PLMDST
2200-0685	000	FLEET RAMONA
2200-0686	000	FLEET RIVRSD
2200-0687	000	FLEET CHINO
2200-0688	000	FLEET BLYTHE
2200-0689	000	FLEET MONTEREY PK
2200-0690	000	FLEET ALHAMBRA
2200-0691	000	FLEET PASADENA
2200-0692	000	FLEET INDUSTRY
2200-0693	000	FLEET FONTANA
2200-0694	000	FLEET AZUSA
2200-0695	000	FLEET BELVEDERE
2200-0697	000	COMMERCE BRANCH OFFICE
2200-0698	000	ALHAMBRA BRANCH OFFICE
2200-0699	000	EL MONTE BRANCH OFFICE
2200-0700	000	FACILITIES PASADENA
2200-0701	000	FACILITIES BELVEDERE
2200-0702	000	PASADENA BRANCH OFFICE
2200-0703	000	FACILITIES MONTEREY PARK
2200-0704	000	FACILITIES MGR - SAN DIMAN
2200-0705	000	FACILITIES ALHAMBRA
2200-0706	000	FACILITIES AZUSA
2200-0707	000	SAN DIMAS FACILITIES OVERHEAD
2200-0708	000	COVINA BRANCH OFFICE
2200-0709	000	MONROVIA BRANCH OFFICE
2200-0710	000	FACILITIES INDUSTRY
2200-0711	000	FACILITIES CHINO
2200-0712	000	FACILITIES MGR - REDLANDS
2200-0714	000	CORONA BRANCH OFFICE
2200-0715	000	BANNING BRANCH OFFICE
2200-0716	000	EL CENTRO BRANCH OFFICE
2200-0717	000	FONTANA BRANCH OFFICE

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Witness: Carmen L. Herrera

**Appendix A: List of Non-Shared Cost Centers**

<b>Cost Center</b>	<b>Sub</b>	<b>Description</b>
2200-0718	000	HEMET BRANCH OFFICE
2200-0719	000	INDIO BRANCH OFFICE
2200-0720	000	ONTARIO BRANCH OFFICE
2200-0721	000	PALM SPRINGS BRANCH OFFICE
2200-0722	000	RIVERSIDE BRANCH OFFICE
2200-0723	000	SAN BERNARDINO BRANCH OFFICE
2200-0724	000	FACILITIES PALM DESERT
2200-0725	000	REDLANDS FACILITIES OVERHEAD
2200-0726	000	FACILITIES FONTANA
2200-0727	000	FACILITIES RIVERSIDE
2200-0728	000	FACILITIES EL CENTRO
2200-0729	000	FACILITIES ROMOLAND
2200-0730	000	FACILITIES SAN BERNARDINO
2200-0731	000	FACILITIES VICTORVILLE
2200-0732	000	AREA FACILITY MANAGER-NORTH
2200-0734	000	GCT SCG TRANSPORTATION SUBSIDY
2200-0736	000	FACILITIES OLYMPIC
2200-0737	000	FACILITIES SPENCE
2200-0738	000	FACILITIES MGR - COMPTON
2200-0739	000	CENTRAL AVE BRANCH OFFICE
2200-0740	000	COMPTON BRANCH OFFICE
2200-0741	000	DALY STREET BRANCH OFFICE
2200-0742	000	HUNTINGTON PK BRANCH OFFICE
2200-0743	000	INGLEWOOD BRANCH OFFICE
2200-0744	000	SAN PEDRO BRANCH OFFICE
2200-0745	000	SANTA MONICA BRANCH OFFICE
2200-0746	000	SOUTH GATE BRANCH OFFICE
2200-0747	000	WATTS BRANCH OFFICE
2200-0748	000	WILMINGTON BRANCH OFFICE
2200-0749	000	FACILITIES 182ND ST (REDONDO BEACH)
2200-0750	000	ASSET STRATEGY & RESOURCES
2200-0751	000	FACILITIES CRENSHAW BASE
2200-0752	000	FACILITIES SAN PEDRO BASE
2200-0753	000	FACILITIES SANTA MONICA BASE
2200-0754	000	FACILITIES YUKON BASE
2200-0755	000	FACILITIES HUNTINGTON PARK BASE
2200-0756	000	FACILITIES PLAYA DEL REY
2200-0757	000	FACILITIES ANAHEIM
2200-0759	000	FACILITIES SANTA ANA BASE
2200-0760	000	FACILITIES ALISO VIEJO
2200-0761	000	FACILITIES GARDEN GROVE BASE
2200-0762	000	FACILITIES LA JOLLA STREET BASE
2200-0764	000	SANTA ANA BRANCH OFFICE
2200-0765	000	ANAHEIM BRANCH OFFICE
2200-0766	000	FACILITIES MGR - PICO RIVERA

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Witness: Carmen L. Herrera

**Appendix A: List of Non-Shared Cost Centers**

<b>Cost Center</b>	<b>Sub</b>	<b>Description</b>
2200-0767	000	FACILITIES ENERGY RESOURCE CENTER
2200-0768	000	FACILITIES DOWNEY BASE
2200-0769	000	FACILITIES WHITTIER BASE
2200-0771	000	BELLFLOWER BRANCH OFFICE
2200-0772	000	FLEET ANAHEIM
2200-0773	000	FLEET DOWNEY
2200-0774	000	FLEET GARDEN GROVE
2200-0775	000	FLEET LA JOLLA
2200-0776	000	FLEET WHITTIER
2200-0777	000	FLEET ALLISO VIEJO
2200-0778	000	FLEET SANTA ANA
2200-0779	000	FLEET PICO RIVERA
2200-0780	000	TRANSMISSION FLEET # 5
2200-0781	000	FLEET COMPTON
2200-0782	000	FLEET HUNT PARK
2200-0783	000	FLEET SAN PEDRO
2200-0784	000	FLEET YUKON
2200-0785	000	FLEET 182ND ST
2200-0786	000	FLEET CRENSHAW
2200-0787	000	FLEET PLAYA DEL REY
2200-0788	000	FLEET SANTA MONICA
2200-0789	000	FLEET OLYMPIC
2200-0790	000	TRANSMISSION FLEET MONTEBELLO
2200-0802	000	ASSET MANAGEMENT
2200-0803	000	FLEET ASSET LD TEAM
2200-1154	000	FLEET TEMPLETON
2200-1155	000	FACILITIES NEWBERRY SPRINGS
2200-1156	000	FLEET ADELANTO
2200-1157	000	FACILITIES ADELANTO SPRINGS
2200-1158	000	FACILITIES CACTUS CITY
2200-1159	000	FACILITIES MURRIETA
2200-1160	000	POMONA BRANCH OFFICE
2200-1161	000	FACILITIES BREA
2200-1162	000	FACILITIES MONTEBELLO
2200-1163	000	FACILITIES YUCCA VALLEY
2200-1164	000	CRENSHAW BRANCH OFFICE
2200-1165	000	HOLLYWOOD BRANCH OFFICE
2200-1166	000	FACILITIES MOJAVE
2200-1167	000	FACILITIES PORTERVILLE
2200-1168	000	FLEET HANFORD
2200-1169	000	FLEET PORTERVILLE
2200-1170	000	FLEET TAFT
2200-1171	000	FACILITIES DANA POINT
2200-1172	000	SANTA FE SPRINGS BRANCH OFFICE
2200-1173	000	FACILITIES TEMPLETON

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**Appendix A: List of Non-Shared Cost Centers**

<b>Cost Center</b>	<b>Sub</b>	<b>Description</b>
2200-1176	000	FACILITIES NEEDLES
2200-1183	000	FACILITIES TAFT
2200-1184	000	FACILITIES WHEELER RIDGE
2200-1185	000	FLEET MOJAVE
2200-1186	000	FLEET CHATSWORTH
2200-1187	000	FLEET SAN DIMAS
2200-1188	000	FACILITES BLYTHE
2200-1189	000	FACILITIES CORONA
2200-1190	000	FLEET RM FORREST
2200-1191	000	FACILITIES HANFORD
2200-1192	000	FLEET GAS COMPANY TOWER
2200-1193	000	FLEET REDLANDS
2200-1194	000	FLEET LOMPOC
2200-1195	000	FLEET CORONA
2200-1196	000	FLEET VICTORVILLE
2200-1202	000	FACILITIES RIM FOREST
2200-1203	000	FACILITIES DESERT CENTER
2200-1204	000	FACILITIES BEAUMONT
2200-1206	000	FLEET MURRIETA
2200-1207	000	COMPTON FACILITIES OVERHEAD
2200-1208	000	FLEET ENERGY RESOURCE CENTER
2200-1209	000	FLEET YUCCA VALLEY
2200-1232	000	FLEET VENTURA
2200-1330	000	FLEET SHARED SERVICE RECEIVING SCG
2200-1331	000	FLEET UTILIZATION CREDITS
2200-1332	000	FLEET BILLING
2200-1343	000	FLEET ALISO CANYON
2200-1344	000	FLEET YUCCA NEEDLES
2200-2014	000	FACILITIES & CAPITAL PROGRAMS
2200-2015	000	FACILITY WORK MANAGEMENT - SCG
2200-2016	000	FLEET LEASES-SCG
2200-2017	000	POOL CAR CREDIT-SCG
2200-2019	000	FLEET TRAINING AND QA
2200-2020	000	FLEET OPERATIONAL PROGRAMS & COMPLIANCE
2200-2096	000	FUEL - FLEET
2200-2139	000	SCG RFS VEHICLES
2200-2160	000	MAINT OPS NORTH MANAGER
2200-2162	000	CROSS FUELING - SDGE
2200-2184	000	GCT SDGE/CC TRANSPORTATION SUBSIDY - NSS
2200-2197	000	SR VP GAS OPS & SYS INT
2200-2246	000	DIRECTOR SUPPORT SERVICES
2200-2249	000	FLEET ATCM SCG
2200-2279	000	FACILITIES NORTH PROJECTS - SCG
2200-2280	000	FLEET NEWBERRY SPRINGS
2200-2310	000	FACILITIES ENERGY MANAGEMENT - SCG

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Witness: Carmen L. Herrera

**Appendix A: List of Non-Shared Cost Centers**

<b>Cost Center</b>	<b>Sub</b>	<b>Description</b>
2200-2371	000	PLANNING AND SUPPORT
2200-2402	000	FINANCIAL & BUSINESS SERVICES
2200-2548	000	FLEET STRATEGY & MAINTENANCE
2200-2549	000	FLEET DIRECTOR - NON SHARED
2200-2550	000	FLEET FUEL SYSTEMS TRNG AND COMPL