Application of SAN DIEGO GAS & ELECTRIC	
COMPANY for authority to update its gas and	)
electric revenue requirement and base rates	
effective January 1, 2016 (U 902-M)	)
Application No. 14-11	
Exhibit No.: (SDG&E-06-WP)	

# WORKPAPERS TO PREPARED DIRECT TESTIMONY OF RAYMOND K. STANFORD ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY

# BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

NOVEMBER 2014



# 2016 General Rate Case - APP INDEX OF WORKPAPERS

# **Exhibit SDG&E-06-WP - ENGINEERING**

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# Overall Summary For Exhibit No. SDG&E-06-WP

Area: ENGINEERING

Witness: Raymond K. Stanford

Description
Non-Shared Services
Shared Services
Total

In 2013 \$ (000) Incurred Costs								
Adjusted-Recorded	Adjusted-Forecast							
2013 2014		2015	2016					
261	570	682	718					
8	41	77	92					
269	611	759	810					

Area: ENGINEERING
Witness: Raymond K. Stanford

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

Description

A. Gas Engineering

B. Public Awareness

Total

In 2013 \$ (000) Incurred Costs								
Adjusted- Recorded	Adjusted-Forecast							
2013	2014	2015	2016					
1	223	278	257					
260	347	404	461					
261	570	682	718					

Area: ENGINEERING
Witness: Raymond K. Stanford
Category: A. Gas Engineering
Workpaper: 1EN000.000

# Summary for Category: A. Gas Engineering

	In 2013\$ (000) Incurred Costs							
	Adjusted-Recorded		Adjusted-Forecast					
	2013	2014	2015	2016				
Labor	-1	85	131	119				
Non-Labor	2	138	147	138				
NSE	0	0	0	0				
Total	1	223	278	257				
FTE	0.0	0.3	1.3	1.3				

# Workpapers belonging to this Category:

1	FN00	0.000	Gas	Fngi	neerina

Labor	-1	85	131	119
Non-Labor	2	138	147	138
NSE	0	0	0	0
Total	1	223	278	257
FTE	0.0	0.3	1.3	1.3

Beginning of Workpaper 1EN000.000 - Gas Engineering

Area: ENGINEERING
Witness: Raymond K. Stanford
Category: A. Gas Engineering
Category-Sub 1. Gas Engineering

Workpaper: 1EN000.000 - Gas Engineering

#### **Activity Description:**

The Gas Engineering work paper group is a consolidation of the associated activities which provide engineering and supervision support to the distribution and transmission operations organizations of SDG&E. Support activities include GIS, mapping and database support as well as project and construction management. This work group captures the labor and non-labor expenses associated with these activities.

#### Forecast Explanations:

#### Labor - 5-YR Average

As the foundation for future labor expense requirements, the 5 year average was chosen. The nature of the associated activities provided by this work group, primarily Operations and Engineering Support for Transmission and Distribution in SDG&E, has proven to be the best indicator of work. This forecasting methodology serves to more accurately even out the work variations that occur. However, new enhancements are emerging and thus requiring additional staffing and resources to comply. These incremental costs have been identified and added to the 5 year average.

#### Non-Labor - 5-YR Average

As the foundation for future non-labor expense requirements, the 5 year average was chosen. The nature of the associated activities provided by this work group, primarily to the distribution and transmission operations organizations of SDG&E, has proven to be relatively stable over time. The 5 year average best represents the work group's funding requirements. However, new enhancements are emerging and thus requiring additional staffing and resources to comply. These incremental costs have been identified and added to the 5 year average.

# NSE - 5-YR Average

There are no Non-Standard Escalation espenses in this work paper group.

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

		In 2013\$ (000) Incurred Costs										
		Adju	ısted-Recoi	rded		Ad	justed-Fore	cast				
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	0	0	0	49	-1	85	131	119				
Non-Labor	1	0	0	12	2	138	147	138				
NSE	0	0	0	0	0	0	0	0				
Total	1	0	0	61	1	223	278	257				
FTE	0.0	0.0	0.0	0.6	0.0	0.3	1.3	1.3				

# San Diego Gas & Electric Company 2016 GRC - APP

## Non-Shared Service Workpapers

Area: ENGINEERING

Witness: Raymond K. Stanford
Category: A. Gas Engineering
Category-Sub: 1. Gas Engineering

Workpaper: 1EN000.000 - Gas Engineering

#### **Forecast Summary:**

In 2013 \$(000) Incurred Costs										
Forecast	Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast	
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	5-YR Average	10	10	10	75	121	109	85	131	119
Non-Labor	5-YR Average	3	3	3	135	144	135	138	147	138
NSE	5-YR Average	0	0	0	0	0	0	0	0	0
Tota	ıl	13	13	13	210	265	244	223	278	257
FTE	5-YR Average	0.1	0.1	0.1	0.2	1.2	1.2	0.3	1.3	1.3

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

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	FTE	Adj Type
2014	20	69	0	89	0.2	1-Sided Adj

Adjustment is due to the O&M forecast associated with the total forecast in 2014 for phase 1 of the High Pressure Synchronization project.

2014

55

66

0

121

0.0 1-Sided Adj

Adjustment to account for 0.5 FTE to support Gas GIS projects and other related Gas Engineering and PCM projects.

2014 Total	75	135	0	210	0.2		
2015	41	138	0	179	0.4	1-Sided Adj	
						•	
Adjustment is d	lue to the O8	M forecast as	sociated wit	h the total for	ecast in 20	015 for phase 2 of	
the High Pressi	ure Synchror	ization projec	t.				
2015	80	6	0	86	0.8	1-Sided Adj	

Adjustment to account for 0.5 FTE to support Gas GIS projects and other related Gas Engineering and PCM projects.

2015 Total	121	144	0	265	1.2		
2016	19	69	0	88	0.2	1-Sided Adj	

Adjustment is due to the O&M forecast associated with the total forecast in 2016 for phase 3 of the High Pressure Synchronization project.

# San Diego Gas & Electric Company 2016 GRC - APP

Non-Shared Service Workpapers

**ENGINEERING** Area:

Raymond K. Stanford Witness: Category: A. Gas Engineering Category-Sub: 1. Gas Engineering

Workpaper: 1EN000.000 - Gas Engineering

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	FTE Adj Type
2016	90	66	0	156	1.0 1-Sided Adj

Adjustment to account for 0.5 FTE to support Gas GIS projects and other related Gas Engineering and PCM projects.

2016 Total	109	135	0	244	1.2

Area: ENGINEERING
Witness: Raymond K. Stanford
Category: A. Gas Engineering
Category-Sub: 1. Gas Engineering

Workpaper: 1EN000.000 - Gas Engineering

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

Determination of Aujusteu	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	0	0	0	42	-1
Non-Labor	1	0	0	12	2
NSE	0	0	0	0	0
Total	1	0	0	54	1
FTE	0.0	0.0	0.0	0.5	0.0
Adjustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total		0	0	0	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Nomina	al \$)				
Labor	0	0	0	42	-1
Non-Labor	1	0	0	12	2
NSE	0	0	0	0	0
Total	1	0	0	54	1
FTE	0.0	0.0	0.0	0.5	0.0
/acation & Sick (Nominal \$	)				
Labor	0	0	0	6	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	6	0
FTE	0.0	0.0	0.0	0.1	0.0
Escalation to 2013\$					
Labor	0	0	0	1	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	1	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	0	49	-1
Non-Labor	1	0	0	12	2
NSE	0	0	0	0	0
Total	1	0	0	61	1
FTE	0.0	0.0	0.0	0.6	0.0

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

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

Area: ENGINEERING
Witness: Raymond K. Stanford
Category: A. Gas Engineering
Category-Sub: 1. Gas Engineering

Workpaper: 1EN000.000 - Gas Engineering

# Summary of Adjustments to Recorded:

	In Nominal \$ (000) Incurred Costs									
Years 2009 2010 2011 2012 2013										
Labor	0	0	0	0	0					
Non-Labor	0	0	0	0	0					
NSE	0	0	0	0	0					
Total	0	0		0	0					
FTE	0.0	0.0	0.0	0.0	0.0					

# **Detail of Adjustments to Recorded:**

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	Adj Type	From CCtr	RefID
2009 Total	0	0	0	0.0			
2010 Total	0	0	0	0.0			
2011 Total	0	0	0	0.0			
2012 Total	0	0	0	0.0			
2013 Total	0	0	0	0.0			

Area: ENGINEERING
Witness: Raymond K. Stanford
Category: B. Public Awareness

Workpaper: 1EN003.000

# Summary for Category: B. Public Awareness

	In 2013\$ (000) Incurred Costs								
	Adjusted-Recorded		Adjusted-Forecast						
	2013	2014	2015	2016					
Labor	0	0	0	0					
Non-Labor	260	347	404	461					
NSE	0	0	0	0					
Total	260	347	404	461					
FTE	0.0	0.0	0.0	0.0					

# Workpapers belonging to this Category:

Labor	0	0	0	0
Non-Labor	260	347	404	461
NSE	0	0	0	0
Total	260	347	404	461
FTE	0.0	0.0	0.0	0.0

Beginning of Workpaper 1EN003.000 - Public Awareness

Area: ENGINEERING
Witness: Raymond K. Stanford
Category: B. Public Awareness
Category-Sub 1. Public Awareness

Workpaper: 1EN003.000 - Public Awareness

#### **Activity Description:**

The Public Awareness work group is focused on the mandates from 49 CFR Part 192, Section 192.616, requiring the development and implementation of a public awareness program. This program includes the identification of and communication with impacted customers and non-customers. There are specific messages, delivery menthods and frequecies for the communications for each targeted audience. In addition, there are requirements for tracking of communications data analysis and effectiveness evaluations. The program impacts multiple organizations withing SDG&E. Coordination of these efforts is manages within Gas Engineering.

#### Forecast Explanations:

#### Labor - 5-YR Linear

There are no labor expense requirements in this work group.

#### Non-Labor - 5-YR Linear

As the foundation for future non-labor expense requirements, the 5 year trend was chosen. The 5 year linear trend best represents the work group's funding requirements.

#### NSE - 5-YR Linear

There are no Non Standard Escalation expenses in this work group.

# Summary of Results:

		In 2013\$ (000) Incurred Costs									
		Adju	sted-Recor	ded		Ad	justed-Fored	cast			
Years	2009	2009 2010 2011 2012 2013				2014	2015	2016			
Labor	0	0	0	0	0	0	0	0			
Non-Labor	80	130	73	340	260	347	404	461			
NSE	0	0	0	0	0	0	0	0			
Total	80	130	73	340	260	347	404	461			
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

Area: ENGINEERING

Witness: Raymond K. Stanford
Category: B. Public Awareness
Category-Sub: 1. Public Awareness

Workpaper: 1EN003.000 - Public Awareness

# **Forecast Summary:**

	In 2013 \$(000) Incurred Costs										
Forecas	t Method	Bas	se Foreca	st	Forec	Forecast Adjustments			Adjusted-Forecast		
Year	s	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	5-YR Linear	0	0	0	0	0	0	0	0	0	
Non-Labor	5-YR Linear	347	404	461	0	0	0	347	404	461	
NSE	5-YR Linear	0	0	0	0	0	0	0	0	0	
Tota	al	347	404	461	0	0	0	347	404	461	
FTE	5-YR Linear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

# Forecast Adjustment Details:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	FTE	Adj Type
2014 Total	0	0	0	0	0.0	
		_				
2015 Total	0	0	0	0	0.0	
2046 Total	0	0	0	0	0.0	
2016 Total	0	0	0	0	0.0	

Area: ENGINEERING
Witness: Raymond K. Stanford
Category: B. Public Awareness
Category-Sub: 1. Public Awareness

Workpaper: 1EN003.000 - Public Awareness

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

Determination of Aujusteu-	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	73	121	70	334	260
NSE	0	0	0	0	0
Total	73	121	70	334	260
FTE	0.0	0.0	0.0	0.0	0.0
Adjustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	0	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Nomina	al \$)				
Labor	0	0	0	0	0
Non-Labor	73	121	70	334	260
NSE	0	0	0	0	0
Total	73	121	70	334	260
FTE	0.0	0.0	0.0	0.0	0.0
Vacation & Sick (Nominal \$)					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	0	0
FTE	0.0	0.0	0.0	0.0	0.0
Escalation to 2013\$					
Labor	0	0	0	0	0
Non-Labor	8	10	3	6	0
NSE	0	0	0	0	0
Total	8	10	3	6	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constan	nt 2013\$)				
Labor	0	0	0	0	0
Non-Labor	80	130	73	340	260
NSE	0	0	0	0	0
Total	80	130	73	340	260
FTE	0.0	0.0	0.0	0.0	0.0

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

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

Area: ENGINEERING
Witness: Raymond K. Stanford
Category: B. Public Awareness
Category-Sub: 1. Public Awareness

Workpaper: 1EN003.000 - Public Awareness

# Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs									
Years	2009	2010 2011		2012	2013				
Labor	0	0	0	0	0				
Non-Labor	0	0	0	0	0				
NSE	0	0	0	0	0				
Total	0	0	0	0	0				
FTE	0.0	0.0	0.0	0.0	0.0				

# **Detail of Adjustments to Recorded:**

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	NSE	<u>FTE</u>	Adj Type	From CCtr	RefID
2009 Total	0	0	0	0.0			
2010 Total	0	0	0	0.0			
2011 Total	0	0	0	0.0			
2012 Total	0	0	0	0.0			
2013 Total	0	0	0	0.0			

Area: ENGINEERING
Witness: Raymond K. Stanford

# **Summary of Shared Services Workpapers:**

**Description**A. Gas Engineering

Total

In 2013 \$ (000) Incurred Costs							
Adjusted- Recorded	Adjusted-Forecast						
2013	2014	2015	2016				
8	41	77	92				
8	41	77	92				

Area: ENGINEERING
Witness: Raymond K. Stanford
Category: A. Gas Engineering
Cost Center: 2100-3563.000

Summary for Category: A. Gas Engineering

		In 2013\$ (000) Incu	irred Costs	
	Adjusted-Recorded		Adjusted-Forecast	
	2013	2014	2015	2016
Labor	7	40	75	90
Non-Labor	1	1	2	2
NSE	0	0	0	0
Total	8	41	77	92
FTE	0.1	0.4	0.7	0.9

# Cost Centers belonging to this Category:

# 2100-3563.000 GAS ENGINEERING CODES & STANDARDS

Labor	7	40	75	90
Non-Labor	1	1	2	2
NSE	0	0	0	0
Total	8	41	77	92
FTE	0.1	0.4	0.7	0.9

Beginning of Workpaper 2100-3563.000 - GAS ENGINEERING CODES & STANDARDS

Area: ENGINEERING
Witness: Raymond K. Stanford
Category: A. Gas Engineering

Category-Sub 1. Pipeline Design & Gas Standards

Cost Center: 2100-3563.000 - GAS ENGINEERING CODES & STANDARDS

#### **Activity Description:**

Work performed includes evaluating piping designs, developing pipeline design gas standards, policies, and procedures governing operation of both distribution and transmission pipeline systems. Also, maintains compliance with publication requirements, provides for review and revision of those standards governed by the O&M plan annually and other Gas Standards every five years

#### **Forecast Explanations:**

## Labor - 5-YR Average

As the foundation for future labor expense requirements, the 5 year average was chosen. This forecasting methodology serves to more accurately even out the work variations that occur. However, with recent CPUC audits requesting enhancements to policies and procedures supporting the reviews and revision of the standards governed by the O&M plan, additional staffing and resources are anticipated. These incremental costs have been identified and added to the 5 year average.

#### Non-Labor - 5-YR Average

The 5 year average was chosen since this methodology best match the anticipated resource requirements into the future.

## NSE - 5-YR Average

There are no non-standard escalation expenses in this cost center.

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

				In 2013\$ (00	0) Incurred (	Costs		
		Adjι	ısted-Recor		Adjusted-Forecast			
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	35	148	11	0	7	40	75	90
Non-Labor	0	2	1	0	1	1	2	2
NSE	0	0	0	0	0	0	0	0
Total	35	150	12	0	8	41	77	92
FTE	0.4	1.4	0.1	0.0	0.1	0.4	0.7	0.9

Area: ENGINEERING

Witness: Raymond K. Stanford Category: A. Gas Engineering

Category-Sub: 1. Pipeline Design & Gas Standards

Cost Center: 2100-3563.000 - GAS ENGINEERING CODES & STANDARDS

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

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

	2013 Adju	sted-Reco	rded		2014 Adjusted-Forecast					
Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE	
0	0	0	0	0.00	0	0	0	0	0.00	
0	0	0	0	0.00	0	0	0	0	0.00	
7	1	0	8	0.09	40	1	0	41	0.40	
7	1	0	8	0.09	40	1	0	41	0.40	
14.13%	14.13%				13.35%	13.35%				
85.87%	85.87%				86.65%	86.65%				
0.00%	0.00%				0.00%	0.00%				
0.00%	0.00%				0.00%	0.00%				

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

	2015 Adju	sted-Fore	cast		2016 Adjusted-Forecast				
Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
0	0	0	0	0.00	0	0	0	0	0.00
0	0	0	0	0.00	0	0	0	0	0.00
75	2	0	77	0.70	90	2	0	92	0.90
75	2	0	77	0.70	90	2	0	92	0.90
13.35%	13.35%				13.35%	13.35%			
86.65%	86.65%				86.65%	86.65%			
0.00%	0.00%				0.00%	0.00%			
0.00%	0.00%				0.00%	0.00%			

# Cost Center Allocation Percentage Drivers/Methodology:

# **Cost Center Allocation Percentage for 2013**

Values are the defaults from previous shared services templates.

#### **Cost Center Allocation Percentage for 2014**

The percent allocation has been reviewed and revised to reflect the shared services template.

# **Cost Center Allocation Percentage for 2015**

The percent allocation has been reviewed and revised to reflect the shared services template.

#### **Cost Center Allocation Percentage for 2016**

The percent allocation has been reviewed and revised to reflect the shared services template.

Area: ENGINEERING

Witness: Raymond K. Stanford Category: A. Gas Engineering

Category-Sub: 1. Pipeline Design & Gas Standards

Cost Center: 2100-3563.000 - GAS ENGINEERING CODES & STANDARDS

#### **Forecast Summary:**

	In 2013 \$(000) Incurred Costs										
Forecast	t Method	Bas	se Foreca	st	Forec	Forecast Adjustments			Adjusted-Forecast		
Years	3	2014	2014 2015 2016		2014	2015	2016	2014	2015	2016	
Labor	5-YR Average	40	40	40	0	35	50	40	75	90	
Non-Labor	5-YR Average	1	1	1	0	1	1	1	2	2	
NSE	5-YR Average	0	0	0	0	0	0	0	0	0	
Tota	I	41	41	41	0	36	51	41	77	92	
FTE	5-YR Average	0.4	0.4	0.4	0.0	0.3	0.5	0.4	0.7	0.9	

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

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	FTE	Adj Type
2014 Total	0	0	0	0	0.0	
2015	35	1	0	36	0.3	1-Sided Adj

Adjustment to add part time labor from a student intern in Pipeline Design and Standards.

2015 Total	35	1	0	36	0.3
2016	50	1	0	51	0.5 1-Sided Adj

Adjustment to add one part time employee to manage Gas Standard database.

0040 T 4 I			•	=4	
2016 Total	50	1	0	51	0.5

Area: ENGINEERING
Witness: Raymond K. Stanford
Category: A. Gas Engineering

Category-Sub: 1. Pipeline Design & Gas Standards

Cost Center: 2100-3563.000 - GAS ENGINEERING CODES & STANDARDS

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

Determination of Aujusteu	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	27	119	9	0	6
Non-Labor	0	2	1	0	1
NSE	0	0	0	0	0
Total	28	121	10	0	7
FTE	0.3	1.2	0.1	0.0	0.1
Adjustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	0	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Nomin	al \$)				
Labor	27	119	9	0	6
Non-Labor	0	2	1	0	1
NSE	0	0	0	0	0
Total	28	121	10	0	7
FTE	0.3	1.2	0.1	0.0	0.1
Vacation & Sick (Nominal \$	5)				
Labor	4	19	1	0	1
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	4	19	1	0	1
FTE	0.1	0.2	0.0	0.0	0.0
Escalation to 2013\$					
Labor	3	10	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	3	10	0	0	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Consta	ant 2013\$)				
Labor	35	148	11	0	7
Non-Labor	0	2	1	0	1
NSE	0	0	0	0	0
Total	35	150	12	0	8
FTE	0.4	1.4	0.1	0.0	0.1

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

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

Area: ENGINEERING
Witness: Raymond K. Stanford
Category: A. Gas Engineering

Category-Sub: 1. Pipeline Design & Gas Standards

Cost Center: 2100-3563.000 - GAS ENGINEERING CODES & STANDARDS

# **Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
Years	2009	2010	2011	2012	2013
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	0	0
FTE	0.0	0.0	0.0	0.0	0.0

# **Detail of Adjustments to Recorded:**

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	NSE	<u>FTE</u>	Adj Type	From CCtr	RefID
2009 Total	0	0	0	0.0			
2010 Total	0	0	0	0.0			
2011 Total	0	0	0	0.0			
2012 Total	0	0	0	0.0			
2013 Total	0	0	0	0.0			

Area: ENGINEERING
Witness: Raymond K. Stanford

# Appendix A: List of Non-Shared Cost Centers

Cost Center	Sub	<u>Description</u>
2100-3421	000	GAS ENGINEERING DIRECTOR
2100-3425	000	GAS MAPPING
2100-3612	000	SDG&E PUBLIC AWARENESS
2100-3731	000	PROJECT & CONTRUCTION MANAGEMENT - SDG&E
2100-3821	000	ESS GIS Gas