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-05-WP)

WORKPAPERS TO PREPARED DIRECT TESTIMONY OF JOHN L. DAGG

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-05-WP - GAS TRANSMISSION

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San Diego Gas & Electric Company 2016 GRC - APP

Overall Summary For Exhibit No. SDG&E-05-WP

Total

	Area: GAS TRA	GAS TRANSMISSION				
	Witness: John L. D	agg				
		In 2013 \$ (000) I	ncurred Costs			
	Adjusted-Recorded					
Description	2013	2014	2015	2016		
Non-Shared Services	4,130	4,360	4,379	4,663		
Shared Services	0	0	0	0		

4,360

4,663

4,379

4,130

Area: GAS TRANSMISSION

Witness:

Summary of Non-Shared Services Workpapers:

John L. Dagg

	In 2013 \$ (000) Incurred Costs					
	Adjusted- Recorded	Ac	ljusted-Forecast			
Description	2013	2014	2015	2016		
A. Gas Transmission Pipelines	1,055	1,094	1,112	1,243		
B. Compressor Stations	2,969	3,160	3,161	3,314		
C. Field Engineering and Technical Support	106	106	106	106		
Total	4,130	4,360	4,379	4,663		

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	A. Gas Transmission Pipelines
Workpaper:	1GT000.000

Summary for Category: A. Gas Transmission Pipelines

		In 2013\$ (000) Incu	urred Costs				
	Adjusted-Recorded		Adjusted-Forecast				
	2013	2014	2015	2016			
Labor	785	818	835	925			
Non-Labor	215	218	218	257			
NSE	54	58	59	61			
Total	1,054	1,094	1,112	1,243			
FTE	10.6	10.8	11.0	12.0			

Workpapers belonging to this Category:

1GT000	000 P	ineline (Operations
101000.			operations

Labor	785	818	835	925
Non-Labor	215	218	218	257
NSE	54	58	59	61
Total	1,054	1,094	1,112	1,243
FTE	10.6	10.8	11.0	12.0

Beginning of Workpaper 1GT000.000 - Pipeline Operations

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	A. Gas Transmission Pipelines
Category-Sub	1. Gas Transmission Pipelines
Workpaper:	1GT000.000 - Pipeline Operations

Activity Description:

Operation and Maintenance of SDG&E's Gas Transmission Pipeline operating system.

Forecast Explanations:

Labor - 3-YR Average

3 Year Averaging selected because it represents the most current trend of actual costing applicable to the performance of the activities captured within the cost center and their responsible functionality.

Non-Labor - 3-YR Average

3 Year Averaging selected because it represents the most current trend of actual costing applicable to the performance of the activities captured within the cost center and their responsible functionality.

NSE - Zero-Based

Zero Based selected due to these cost not being subject to standard escalation inflation, or to standardized cost averaging methodology.

Summary of Results:

				ln 2013\$ (00	0) Incurred C	Costs		
		Adju	isted-Recor	ded		Ad	justed-Fore	cast
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	742	806	798	706	785	818	835	925
Non-Labor	200	193	208	217	215	218	218	257
NSE	53	61	60	59	54	58	59	61
Total	994	1,059	1,066	981	1,055	1,094	1,112	1,243
FTE	10.1	11.2	10.7	9.7	10.6	10.8	11.0	12.0

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	A. Gas Transmission Pipelines
Category-Sub:	1. Gas Transmission Pipelines
Workpaper:	1GT000.000 - Pipeline Operations

Forecast Summary:

			In 201	3 \$(000 <u>)</u> li	ncurred Cos	sts				
Forecas	t Method	Method Base Forecast Forecast Adjustments Adjust			sted-Forec	ast				
Year	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	3-YR Average	763	763	763	55	72	162	818	835	925
Non-Labor	3-YR Average	213	213	213	5	5	44	218	218	257
NSE	Zero-Based	0	0	0	58	59	61	58	59	61
Tota		976	976	976	118	136	267	1,094	1,112	1,243
FTE	3-YR Average	10.3	10.3	10.3	0.5	0.7	1.7	10.8	11.0	12.0
Forecast Adjustment Details:										
<u>Year/Ex</u>	pl. Labo	<u> </u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Ty</u>	<u>pe</u>		
2014	C)	0	58	58	0.0	1-Sideo	l Adj		
DO	T Pipeline Safety F	ee								
2014	55	5	5	0	60	0.5	1-Sideo	l Adj		
Kno	owledge Managem	ent / Suces	sion Staffi	ng						
2014 T	otal 55	5	5	58	118	0.5				
2015	C)	0	59	59	0.0	1-Sidec	l Adj		
DO	T Pipeline Safety F	ee								
2015	17	,	0	0	17	0.2	1-Sideo	l Adj		
Pip	eline District Workl	oad Increas	se							
2015	55	5	5	0	60	0.5	1-Sideo	l Adj		
Kno	owledge Managem	ent / Suces	sion Staffi	ng						
2015 T	otal 72	2	5	59	136	0.7				
2016	C)	0	61	61	0.0	1-Sidec	l Adj		
DO	T Pipeline Safety F	ee								
2016	90)	39	0	129	1.0	1-Sideo	l Adj		
Po	st PSEP Increment		intononoo		aciaion 14	06 007				

Post PSEP Incremental O&M Maintenance - CPUC Decision 14-06-007

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	A. Gas Transmission Pipelines
Category-Sub:	1. Gas Transmission Pipelines
Workpaper:	1GT000.000 - Pipeline Operations

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	FTE Adj Type
2016	17	0	0	17	0.2 1-Sided Adj
Pipeline Di	strict Workload In	crease			
2016	55	5	0	60	0.5 1-Sided Adj
Knowledge	e Management / S	ucession St	affing		
2016 Total	162	44	61	267	1.7

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	A. Gas Transmission Pipelines
Category-Sub:	1. Gas Transmission Pipelines
Workpaper:	1GT000.000 - Pipeline Operations

Determination of Adjusted-Recorded (Incurred Costs):

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	611	694	695	639	717
Non-Labor	229	235	258	271	270
NSE	0	0	0	0	0
Total	840	929	953	910	986
FTE	8.8	9.8	9.4	8.7	9.3
djustments (Nominal \$) **					
Labor	-19	-40	-27	-35	-39
Non-Labor	-48	-56	-58	-58	-54
NSE	48	56	58	58	54
Total	-19	-40	-27	-35	-39
FTE	-0.1	-0.3	-0.2	-0.3	-0.3
ecorded-Adjusted (Nomina	al \$)				
Labor	592	654	668	604	678
Non-Labor	181	179	200	213	215
NSE	48	56	58	58	54
Total	821	889	926	875	947
FTE	8.7	9.5	9.2	8.4	9.0
acation & Sick (Nominal \$))				
Labor	91	104	98	87	107
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	91	104	98	87	107
FTE	1.5	1.6	1.5	1.4	1.6
scalation to 2013\$					
Labor	59	48	31	15	0
Non-Labor	19	14	8	4	0
NSE	5	4	2	1	0
Total	82	66	42	19	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	nt 2013\$)				
Labor	742	806	798	706	785
Non-Labor	200	193	208	217	215
NSE	53	61	60	59	54
Total	994	1,059	1,066	981	1,055
FTE	10.2	11.1	10.7	9.8	10.6

* 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.*

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	A. Gas Transmission Pipelines
Category-Sub:	1. Gas Transmission Pipelines
Workpaper:	1GT000.000 - Pipeline Operations

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs							
Years	2009	2010	2011	2012	2013		
Labor	-19	-40	-27	-35	-39		
Non-Labor	-48	-56	-58	-58	-54		
NSE	48	56	58	58	54		
Total	-19	-40	-27	-35	-39		
FTE	-0.1	-0.3	-0.2	-0.3	-0.3		

Detail of Adjustments to Recorded:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	FTE	Adj Type	From CCtr	<u>RefID</u>	
2009	0	-0.030	0	0.0 1	-Sided Adj	N/A	TP2RXL20131201 233559470	
Exclusion of	admin and ir	nterest fee as	sessed o	on late p	ayment of DOT	Safety Fee.	233333470	
2009	0	-48	48	0.0 1	-Sided Adj	N/A	TP2RXL20131201 233750833	
NSE Adjustm	nent - DOT F	Pipeline Safety	y Fee.				200700000	
2009	-19	0	0	-0.1 1	-Sided Adj	N/A	TP2RXL20131203 091306733	
Exclusion of and BioFuels		r maintenanc	e related	l service	s reimbursed to	SDG&E by TGN		
2009 Total	-19	-48	48	-0.1				
2010 NSE Adjustr	0 nent - DOT F	-56 Pipeline Safet	56 y Fee.	0.0 1	-Sided Adj	N/A	TP2RXL20131201 233907770	
2010	-40	0	0	-0.3 1	-Sided Adj	N/A	TP2RXL20131203	
Exclusion of and BioFuels		r maintenanc	e related	l service	s reimbursed to	SDG&E by TGN	091957163	
2010 Total	-40	-56	56	-0.3				
2011 NSE Adjustm	0 nent - DOT F	-58 Pipeline Safet	58 y Fee.	0.0 1	-Sided Adj	N/A	TP2RXL20131201 234010630	

Area: Witness: Category: Category-Sub: Workpaper:	John A. Ga 1. Ga	TRANSMISSI L. Dagg s Transmissio s Transmissio 00.000 - Pipe	on Pipelir on Pipelir	nes			
<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	FTE	Adj Type	From CCtr	RefID
2011	-27	0	0	-0.2	1-Sided Adj	N/A	TP2RXL20131203
Exclusion o and BioFue		er maintenan	ce relate	d servio	ces reimbursed to	SDG&E by TGN	092055873
2011 Total	-27	-58	58	-0.2			
2012 NSE Adjust	0 ment - DOT	-58 Pipeline Safe	58 ty Fee.	0.0	1-Sided Adj	N/A	TP2RXL20131201 234059607
2012	-35	0	0	-0.3	1-Sided Adj	N/A	TP2RXL20131203
Exclusion o and BioFue		er maintenan	ce relate	d servio	ces reimbursed to	SDG&E by TGN	092142220
2012 Total	-35	-58	58	-0.3			
2013	-39	6	0	0.2	1 Sidod Adi	N/A	
2013	-39	0	0	-0.3	1-Sided Adj	N/A	TP2RXL20140211 154044473
Exclusion of and BioFue		er maintenan	ce relate	d servio	ces reimbursed to	SDG&E by TGN	
2013	0	-54	54	0.0	1-Sided Adj	N/A	TP2RXL20140211
NSE Adjust	ment - DOT	Pipeline Safe	ty Fee.				154137010
2013 Total	-39	-54	54	-0.3			

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	B. Compressor Stations
Workpaper:	1GT001.000

Summary for Category: B. Compressor Stations

	In 2013\$ (000) Incurred Costs					
	Adjusted-Recorded		Adjusted-Forecast			
	2013	2014	2015	2016		
Labor	1,383	1,473	1,473	1,473		
Non-Labor	1,536	1,631	1,631	1,705		
NSE	50	56	57	136		
Total	2,969	3,160	3,161	3,314		
FTE	14.5	15.6	15.6	15.6		

Workpapers belonging to this Category:

1GT001.000 Compressio	n Stations Operations			
Labor	1,383	1,473	1,473	1,473
Non-Labor	1,536	1,631	1,631	1,705
NSE	50	56	57	136
Total	2,969	3,160	3,161	3,314
FTE	14.5	15.6	15.6	15.6

Beginning of Workpaper 1GT001.000 - Compression Stations Operations

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	B. Compressor Stations
Category-Sub	1. Compressor Stations
Workpaper:	1GT001.000 - Compression Stations Operations

Activity Description:

Operation and Maintenance of SDG&E s Moreno and Rainbow Gas Transmission Compressor Stations.

Forecast Explanations:

Labor - 3-YR Average

3 Year Averaging selected because it represents the most current trend of actual costing applicable to the performance of the activities captured within the cost center and their responsible functionality.

Non-Labor - 3-YR Average

3 Year Averaging selected because it represents the most current trend of actual costing applicable to the performance of the activities captured within the cost center and their responsible functionality.

NSE - Zero-Based

Zero Based selected due to these cost not being subject to standard escalation inflation, or to standardized cost averaging methodology.

Summary of Results:

Γ		In 2013\$ (000) Incurred Costs								
		Adju	isted-Recor	ded		Ad	Adjusted-Forecast			
Years	2009	2010	2011	2012	2013	2014	2015	2016		
Labor	1,438	1,423	1,408	1,328	1,383	1,473	1,473	1,473		
Non-Labor	1,746	1,997	1,550	1,412	1,536	1,631	1,631	1,705		
NSE	15	14	19	51	50	56	57	136		
Total	3,198	3,434	2,977	2,790	2,969	3,160	3,161	3,314		
FTE	16.2	15.9	15.4	14.0	14.5	15.6	15.6	15.6		

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	B. Compressor Stations
Category-Sub:	1. Compressor Stations
Workpaper:	1GT001.000 - Compression Stations Operations

Forecast Summary:

In 2013 \$(000) Incurred Costs											
Forecast	Forecast Method Base Forecast			Forecast Adjustments			Adjusted-Forecast				
Years	6	2014 2015 2016		2014	2015	2016	2014	2015	2016		
Labor	3-YR Average	1,373	1,373	1,373	100	100	100	1,473	1,473	1,473	
Non-Labor	3-YR Average	1,499	1,499	1,499	132	132	206	1,631	1,631	1,705	
NSE	Zero-Based	0	0	0	56	57	136	56	57	136	
Tota	I	2,872	2,872	2,872	288	289	442	3,160	3,161	3,314	
FTE	3-YR Average	14.6	14.6	14.6	1.0	1.0	1.0	15.6	15.6	15.6	

Forecast Adjustment Details:

Year/Expl.	Labor	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	Adj Type
2014	0	0	46	46	0.0	1-Sided Adj
Re-Claim E	mission Credits I	Procurement				
2014	45	5	0	50	0.5	1-Sided Adj
Station Med	chanic Workload	Increase				
2014	0	0	10	10	0.0	1-Sided Adj
State Water	r Board Fees					
2014	55	5	0	60	0.5	1-Sided Adj
Knowledge	Management / S	ucession Stat	ffing			
2014	0	122	0	122	0.0	1-Sided Adj
Critical Faci	ility Security Enh	ancement				
2014 Total	100	132	56	288	1.0	
2015	0	0	46	46	0.0	1-Sided Adj
Re-Claim E	mission Credits I	Procurement				
2015	0	0	11	11	0.0	1-Sided Adj
State Water	r Board Fees					
2015	45	5	0	50	0.5	1-Sided Adj
Station Med	hanic Workload	Increase				

Area: Vitness: Category: Category-Sul Vorkpaper:	John L. Da B. Compre c: 1. Compres	ISMISSION gg ssor Stations ssor Stations 00 - Compressio	on Stations C	Operations			
Year/E	<u>Expl.</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u> <u>A</u>	d <u>i Type</u>	
2015	55	5	0	60	0.5	1-Sided Adj	
Kr	nowledge Manageme	ent / Sucession	Staffing				
2015	0	122	0	122	0.0	1-Sided Adj	
Сі	itical Facility Security	y Enhancement	I				
2015	Total 100	132	57	289	1.0		
2016	0	0	123	123	0.0	1-Sided Adj	
Re	e-Claim Emission Cro	edits Procureme	ent				
2016	0	0	13	13	0.0	1-Sided Adj	
St	ate Water Board Fee	es					
2016	45	5	0	50	0.5	1-Sided Adj	
St	ation Mechanic Worl	kload Increase					
2016	55	5	0	60	0.5	1-Sided Adj	
Kr	nowledge Manageme	ent / Sucession	Staffing				
2016	0	122	0	122	0.0	1-Sided Adj	
С	itical Facility Security	y Enhancement	i				
2016	0	74	0	74	0.0	1-Sided Adj	
G	reenHouse Gas Mitig	ation / Complia	ince - NERB	A			
2016	Total 100	206	136	442	1.0		

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	B. Compressor Stations
Category-Sub:	1. Compressor Stations
Workpaper:	1GT001.000 - Compression Stations Operations

Determination of Adjusted-Recorded (Incurred Costs):

etermination of Adjusted-Re	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*		. ,			
Labor	1,147	1,154	1,179	1,135	1,194
Non-Labor	1,593	1,856	1,500	1,461	1,585
NSE	0	0	0	0	0
Total	2,740	3,010	2,678	2,596	2,780
FTE	13.8	13.5	13.2	12.1	12.4
djustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	-13	-5	-10	-74	-50
NSE	13	13	18	50	50
Total	0	8	9	-24	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Nominal \$	5)				
Labor	1,147	1,154	1,179	1,135	1,194
Non-Labor	1,580	1,850	1,490	1,387	1,536
NSE	13	13	18	50	50
Total	2,740	3,018	2,687	2,572	2,779
FTE	13.8	13.5	13.2	12.1	12.4
acation & Sick (Nominal \$)					
Labor	177	184	174	164	189
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	177	184	174	164	189
FTE	2.3	2.3	2.2	1.9	2.2
scalation to 2013\$					
Labor	114	85	55	28	0
Non-Labor	165	146	60	25	0
NSE	1	1	1	1	0
Total	281	232	116	53	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Constant	2013\$)				
Labor	1,438	1,423	1,408	1,328	1,383
Non-Labor	1,746	1,997	1,550	1,412	1,536
NSE	15	14	19	51	50
Total	3,198	3,434	2,977	2,790	2,969
FTE	16.1	15.8	15.4	14.0	14.6

* 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.*

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	B. Compressor Stations
Category-Sub:	1. Compressor Stations
Workpaper:	1GT001.000 - Compression Stations Operations

Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs										
Years	2009	2010	2011	2012	2013					
Labor	0	0	0	0	0					
Non-Labor	-13	-5	-10	-74	-50					
NSE	13	13	18	50	50					
Total	0	8	9	-24	-0.115					
FTE	0.0	0.0	0.0	0.0	0.0					

Detail of Adjustments to Recorded:

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	RefID
2009	0	-13	13	0.0 1-	-Sided Adj	N/A	TP2RXL20140211
NSE Adjustmen	it Morer	o Station_ Sta	ate Wate	r Resour	ce Control Boar	d annual fee.	154514290
2009 Total	0	-13	13	0.0			
2010	0	10	0	0.0 1·	-Sided Adj	N/A	TP2RXL20131203
Transfer in 2010	0 County	of San Diego	- APCD	expense	incorrectly reco	orded to 2011.	111145557
2010	0	-2	0	0.0 1-	-Sided Adj	N/A	TP2RXL20131203
Exclusion of page	yments n	nade to SCAQ	MD for p	ermit vio	lation fee asses	sments.	111649533
2010	0	-0.040	0	0.0 1-	-Sided Adj	N/A	TP2RXL20131203
Exclusion of late recorded to 201		ment made to	SCAQM	ID on 200	04 annual perm	it fee invoice,	111855977
2010	0	-13	13	0.0 1-	-Sided Adj	N/A	TP2RXL20140211
NSE Adjustmen	it Morer	o Station_ Sta	ate Wate	r Resour	ce Control Boar	d annual fee.	154554020
2010 Total	0	-5	13	0.0			
2011	0	-10	0	0.0 1-	-Sided Adj	N/A	TP2RXL20131203
Transfer out 20	10 Count	y of San Dieg	o - APCE) expens	e incorrectly red	corded to 2011.	111052070

Note: Totals may include rounding differences.

Area: Witness: Category: Category-Sub: Workpaper: Year/Expl. Lat 2011	John L. B. Com 1. Com 1GT001	pressor Sta pressor Stat	tions tions	<u>FTE</u>	s Operations <u>Adi Type</u> 1-Sided Adj	<u>From CCtr</u> N/A	<u>RefID</u> TP2RXL20131203 111452830	
Transfer in 2011			-					
2011	0	-18	18		1-Sided Adj	N/A	TP2RXL20140211 154748640	
NSE Adjustment					urce Control Boa	rd annual fee.		_
2011 Total	0	-10	18	0.0				
Cost Center 2100)-0170.	•		irged to		To 2200-0285.000 no Comp Station,	TP2RXL20131203 102343213	
Invoice was app 2200-0285.	icable to	SCG'S Play	a Del Re	y Comp	oressor Station, C	Jost Center		
2012	0	-18	0	0.0	1-Sided Adj	N/A	TP2RXL20131203	
Transfer out 201	I SWRCE	3 expense ii	ncorrectly	record	ed to 2012.		103658217	
2012	0	-32	32	0.0	1-Sided Adj	N/A	TP2RXL20131203	
NSE Adjustment	– SCAQI	MD_Re-Cl	aim Emis	sion Cre	edits Procureme	nt.	103813737	
2012	0	-18	18	0.0	1-Sided Adj	N/A	TP2RXL20140211	
NSE Adjustment	Moreno	Station_St	tate Wate	r Resou	urce Control Boa	rd annual fee.	154938017	
2012 Total	0	-74	50	0.0				
2013	0	-0.115	0	0.0	1-Sided Adj	N/A	TP2RXL20140211	
Adj removal of la	ite fee pa	yment for M	Ioreno St	a SoCa	al Edison		150624397	
2013	0	-41	41	0.0	1-Sided Adj	N/A	TP2RXL20140211	
NSE Adjustment	SCAQM	/ID _ Re-Cla	aim Emiss	ion Cre	dits Procuremer	nt.	153908177	
2013	0	-8	8	0.0	1-Sided Adj	N/A	TP2RXL20140211	
NSE Adjustment	Moreno	Station_St	tate Wate	r Resou	urce Control Boa	rd annual fee.	155117930	
2013 Total	0	-50	50	0.0				

Area:GAS TRANSMISSIONWitness:John L. DaggCategory:C. Field Engineering and Technical SupportWorkpaper:1GT002.000

Summary for Category: C. Field Engineering and Technical Support

	In 2013\$ (000) Incurred Costs								
	Adjusted-Recorded	Adjusted-Forecast							
	2013	2014	2015	2016					
Labor	95	91	91	91					
Non-Labor	11	15	15	15					
NSE	0	0	0	0					
Total	106	106	106	106					
FTE	1.0	0.9	0.9	0.9					

Workpapers belonging to this Category:

1GT002.000 Field Engineering and Technical Support

Labor	95	91	91	91
Non-Labor	11	15	15	15
NSE	0	0	0	0
Total	106	106	106	106
FTE	1.0	0.9	0.9	0.9

Beginning of Workpaper 1GT002.000 - Field Engineering and Technical Support

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	C. Field Engineering and Technical Support
Category-Sub	1. Field Engineering and Technical Support
Workpaper:	1GT002.000 - Field Engineering and Technical Support

Activity Description:

Engineering and Operational services applicable to analytical and mechanical support of Gas Transmission Pipeline and Gas Compression operation and maintenance activities.

Forecast Explanations:

Labor - 3-YR Average

3 Year Averaging selected because it represents the most current trend of actual costing applicable to the performance of the activities captured within the cost center and their responsible functionality.

Non-Labor - 3-YR Average

3 Year Averaging selected because it represents the most current trend of actual costing applicable to the performance of the activities captured within the cost center and their responsible functionality.

NSE - Zero-Based

Note this cost center and the cost of activites captured within it, have no historical or forecasted cost that qualify for classification as subject to NSE (Non Standard Escalation).

Summary of Results:

	In 2013\$ (000) Incurred Costs									
		Adju	isted-Recor	ded		Adjusted-Forecast				
Years	2009	2010	2011	2012	2013	2014	2015	2016		
Labor	96	98	81	96	95	91	91	91		
Non-Labor	22	14	28	7	11	15	15	15		
NSE	0	0	0	0	0	0	0	0		
Total	118	113	109	103	106	106	106	106		
FTE	1.0	1.1	0.8	0.9	1.0	0.9	0.9	0.9		

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	C. Field Engineering and Technical Support
Category-Sub:	1. Field Engineering and Technical Support
Workpaper:	1GT002.000 - Field Engineering and Technical Support

Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecast	t Method	Ba	se Foreca	st	Forecast Adjustments			Adjusted-Forecast		
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	3-YR Average	91	91	91	0	0	0	91	91	91
Non-Labor	3-YR Average	15	15	15	0	0	0	15	15	15
NSE	Zero-Based	0	0	0	0	0	0	0	0	0
Tota	I	106	106	106	0	0	0	106	106	106
FTE	3-YR Average	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9

Forecast Adjustment Details:

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

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	C. Field Engineering and Technical Support
Category-Sub:	1. Field Engineering and Technical Support
Workpaper:	1GT002.000 - Field Engineering and Technical Support

Determination of Adjusted-Recorded (Incurred Costs):

· · · · · , · · · · , · · · · ,	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	76	80	68	82	82
Non-Labor	20	13	27	7	11
NSE	0	0	0	0	0
Total	97	93	95	89	93
FTE	0.9	0.9	0.7	0.8	0.9
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	76	80	68	82	82
Non-Labor	20	13	27	7	11
NSE	0	0	0	0	0
Total	97	93	95	89	93
FTE	0.9	0.9	0.7	0.8	0.9
/acation & Sick (Nominal \$)					
Labor	12	13	10	12	13
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	12	13	10	12	13
FTE	0.1	0.2	0.1	0.1	0.1
Escalation to 2013\$					
Labor	8	6	3	2	0
Non-Labor	2	1	1	0	0
NSE	0	0	0	0	0
Total	10	7	4	2	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constan	nt 2013\$)				
Labor	96	98	81	96	95
Non-Labor	22	14	28	7	11
NSE	0	0	0	0	0
Total	118	113	109	103	106
FTE	1.0	1.1	0.8	0.9	1.0

* 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.*

Area:	GAS TRANSMISSION
Witness:	John L. Dagg
Category:	C. Field Engineering and Technical Support
Category-Sub:	1. Field Engineering and Technical Support
Workpaper:	1GT002.000 - Field Engineering and Technical Support

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>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	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: GAS TRANSMISSION

Witness: John L. Dagg

Appendix A: List of Non-Shared Cost Centers

Cost Center	Sub	Description
2100-0170	000	GAS TRANSMISSION MORENO STATION
2100-0172	000	GAS TRANSMISSION - MIRAMAR
2100-0296	000	GAS FOR GAS OPERATIONS
2100-3420	000	GAS TRANS TECHNICAL SERVICES
2100-3533	000	GAS TRANSMISSION RAINBOW STATION