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. 14-11-003 Exhibit No.: (SDG&E-19-WP-R)

# REVISED WORKPAPERS TO PREPARED DIRECT TESTIMONY OF STEPHEN J. MIKOVITS

# ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY

# BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

MARCH 2015



# 2016 General Rate Case - REVISED INDEX OF WORKPAPERS

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# San Diego Gas & Electric Company 2016 GRC - REVISED

### Overall Summary For Exhibit No. SDG&E-19-WP-R

	Area: INFORMA	Area: INFORMATION TECHNOLOGY					
	Witness: Stephen J	Witness: Stephen J. Mikovits					
		ln 2013 \$ (000) lr	ncurred Costs				
	Adjusted-Recorded	ecorded Adjusted-Forecast					
Description	2013	2014	2015	2016			
Non-Shared Services	14,445	16,207	15,898	18,702			
Shared Services	76,102	75,435	82,439	91,002			
Total	90,547	91,642	98,337	109,704			

Area: INFORMATION TECHNOLOGY

Witness: Stephen J. Mikovits

# Summary of Non-Shared Services Workpapers:

	In 2013 \$ (000) Incurred Costs					
	Adjusted- Recorded	Adjusted-Forecast				
Description	2013	2013 2014 2015 2016				
A. Applications	12,993	13,672	14,863	17,667		
B. Infrastructure	224	224	224	224		
C. Information Security	159	159	159	159		
D. IT Support	1,069	2,152	652	652		
Total	14,445	16,207	15,898	18,702		

# Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsWorkpaper:1IT001.000

#### Summary for Category: A. Applications

	In 2013\$ (000) Incurred Costs					
	Adjusted-Recorded		Adjusted-Forecast			
	2013	2014	2015	2016		
Labor	8,728	8,828	9,762	10,795		
Non-Labor	4,265	4,844	5,101	6,872		
NSE	0	0	0	0		
Total	12,993	13,672	14,863	17,667		
FTE	90.9	91.9	101.2	111.5		

#### Workpapers belonging to this Category:

1IT001.	000 IT	Appl	ications	NSS
		7 YP P		

Labor	8,728	8,828	9,762	10,795
Non-Labor	4.265	4.844	5,101	6,872
	4,205	4,044	5,101	0,072
NSE	0	0	0	0
Total	12,993	13,672	14,863	17,667
FTE	90.9	91.9	101.2	111.5

Beginning of Workpaper 1IT001.000 - IT Applications NSS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Workpaper:	1IT001.000 - IT Applications NSS

#### **Activity Description:**

This work group represents all the non-shared application costs for SDG&E, including customer care, SDGE field operations development, and other SDGE non-shared applications and related support.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

#### NA

#### Summary of Results:

]	In 2013\$ (000) Incurred Costs									
		Adju	isted-Recor	ded		Ad	justed-Fore	cast		
Years	2009	2010	2011	2012	2013	2014	2015	2016		
Labor	7,243	7,044	6,549	8,225	8,728	8,828	9,762	10,795		
Non-Labor	2,268	2,103	2,159	2,676	4,265	4,844	5,101	6,872		
NSE	0	0	0	0	0	0	0	0		
Total	9,510	9,147	8,708	10,901	12,993	13,672	14,863	17,667		
FTE	76.3	75.6	72.2	90.2	90.9	91.9	101.2	111.5		

INFORMATION TECHNOLOGY
Stephen J. Mikovits
A. Applications
1. Applications
1IT001.000 - IT Applications NSS

#### Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecast	Forecast Method		Base Forecast Forecast Adjustments Adjusted-Forecast			Base Forecast			ast	
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	8,728	8,728	8,728	100	1,034	2,067	8,828	9,762	10,795
Non-Labor	Base YR Rec	4,265	4,265	4,265	579	836	2,607	4,844	5,101	6,872
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	12,993	12,993	12,993	679	1,870	4,674	13,672	14,863	17,667
FTE	Base YR Rec	90.9	90.9	90.9	1.0	10.3	20.6	91.9	101.2	111.5

#### Forecast Adjustment Details:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
2014	100	100	0	200	1.0	1-Sided Adj

Operating and Maintenance expenses related to CISCO replacement Business Case Preparation.

Assumes 6 to 10 contractors would backfill for internal Subject Matter Experts (SMEs) assigned to core project team. Assumes non-negotiated vendor pricing for 3rd party consultants to assist core project team.

2014	0	479	0	479	0.0	1-Sided Adj
------	---	-----	---	-----	-----	-------------

2014 adjustment to current contractual obligations. 2015 & 2016 escalation based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiritation, and vendor cost escalations.

2014 Total	100	579	0	679	1.0	
2015	123	20	0	143	1.2	1-Sided Adj

2.25 incremental FTEs to support new IT initiatives across the company in 2015 and in 2016. Assumes 56% O&C ratio and \$100k average salary plus \$10k per employee (2 employees) in associated NL costs.

Incremental Employee requirements were estimated to be 15 headcount across the IT Division in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

#### Note: Totals may include rounding differences.

### SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 6 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Workpaper:	1IT001.000 - IT Applications NSS

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	FTE Adj Type
2015	317	30	0	347	3.2 1-Sided Adj

6.3 FTEs at \$100k plus \$10k per employee in associated NL costs, added across 2015 and 2016.

4 FTEs for primary & secondary support positions for CPD and Powerworks, (2 headcount each, 100% O&C labor ratio). The remaining 2.3 FTEs are estimated to support the expansion of the IT Associate program (6 headcount, 38% O&C labor ratio).

2015 200 100 0 300 2.0 1-Sided Adj

Operating and Maintenance expenses related to CISCO replacement Business Case Preparation.

Assumes 6 to 10 contractors would backfill for internal Subject Matter Experts (SMEs) assigned to core project team. Assumes non-negotiated vendor pricing for 3rd party consultants to assist core project team.

2015	0	646	0	646	0.0	1-Sided Adj
------	---	-----	---	-----	-----	-------------

2014 adjustment to current contractual obligations. 2015 & 2016 escalation based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2015	394	40	0	434	3.9	1-Sided Adj
------	-----	----	---	-----	-----	-------------

7.9 O&M FTEs at \$100k per employee and \$10k per employee in associated NL costs (8 employees) split across 2015 and 2016. Support includes 1 admin, 2 CRM developers, 1 CEN developer, 3 SPP analysts, and an additional FTE supporting additional production systems implemented via recently completed capital projects.

2015 Total	1,034	836	0	1,870	10.3	
2016	123	20	0	143	1.2	1-Sided Adj

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Workpaper:	1IT001.000 - IT Applications NSS

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
-------------------	--------------	-------------	-----	--------------	------------	-----------------

2.25 incremental FTEs to support new IT initiatives across the company in 2015 and in 2016. Assumes 56% O&C ratio and \$100k average salary plus \$10k per employee (2 employees) in associated NL costs.

Incremental Employee requirements were estimated to be 15 headcount across the IT DIvision in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

2016 634 60 0 694 6.3 1-Sided Adj

6.3 FTEs at \$100k plus \$10k per employee in associated NL costs, added across 2015 and 2016.

4 FTEs for primary & secondary support positions for CPD and Powerworks, (2 headcount each, 100% O&C labor ratio). The remaining 2.3 FTEs are estimated to support the expansion of the IT Associate program (6 headcount, 38% O&C labor ratio).

2016	123	20	0	143	1.2	1-Sided Adj
------	-----	----	---	-----	-----	-------------

2.25 incremental FTEs to support new IT initiatives across the company in 2015 and in 2016. Assumes 56% O&C ratio and \$100k average salary plus \$10k per employee (2 employees) in associated NL costs.

Incremental Employee requirements were estimated to be 15 headcount across the IT Division in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

2016 400 1,600 0 2,000 4.0	1-Sided Adj
----------------------------	-------------

Operating and Maintenance expenses related to CISCO replacement Business Case Preparation.

Assumes 6 to 10 contractors would backfill for internal Subject Matter Experts (SMEs) assigned to core project team. Assumes non-negotiated vendor pricing for 3rd party consultants to assist core project team.

2016	0	827	0	827	0.0	1-Sided Adj
------	---	-----	---	-----	-----	-------------

2014 adjustment to current contractual obligations. 2015 & 2016 escalation based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

#### Note: Totals may include rounding differences.

#### SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 8 of 621

Area:	INFORMATION TECHNOLOGY								
Witness:	Stephen J. Mikov	Stephen J. Mikovits							
Category:	A. Applications	A. Applications							
Category-Sub:	1. Applications								
Workpaper:	1IT001.000 - IT Applications NSS								
<u>Year/Expl.</u>	Labor	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u> <u>Adj Type</u>				

2016	787	80	0	867	7.9	1-Sided Adj
2010	101	00	U	001	1.0	i ciaca / laj

7.9 O&M FTEs at \$100k per employee and \$10k per employee in associated NL costs (8 employees) split across 2015 and 2016. Support includes 1 admin, 2 CRM developers, 1 CEN developer, 3 SPP analysts, and an additional FTE supporting additional production systems implemented via recently completed capital projects.

6 Total 2,067 2,607 0 4,674 20.6
----------------------------------

INFORMATION TECHNOLOGY
Stephen J. Mikovits
A. Applications
1. Applications
1IT001.000 - IT Applications NSS

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

<b>,</b>	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	5,509	5,457	5,581	7,107	7,534
Non-Labor	2,047	1,931	2,073	2,641	4,265
NSE	0	0	0	0	0
Total	7,556	7,388	7,654	9,748	11,799
FTE	62.5	62.0	62.9	79.0	77.4
ljustments (Nominal \$) *	*				
Labor	269	257	-97	-75	0
Non-Labor	5	15	5	-6	0
NSE	0	0	0	0	0
Total	274	272	-92	-81	0
FTE	2.9	2.5	-0.9	-1.3	0.0
ecorded-Adjusted (Nomi	nal \$)				
Labor	5,778	5,714	5,484	7,032	7,534
Non-Labor	2,052	1,946	2,078	2,635	4,265
NSE	0	0	0	0	0
Total	7,829	7,660	7,562	9,667	11,799
FTE	65.4	64.5	62.0	77.7	77.4
acation & Sick (Nominal	\$)				
Labor	892	910	808	1,019	1,195
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	892	910	808	1,019	1,195
FTE	10.9	11.2	10.2	12.6	13.6
calation to 2013\$					
Labor	573	420	257	174	0
Non-Labor	216	157	81	42	0
NSE	0	0	0	0	0
Total	789	577	338	215	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	7,243	7,044	6,549	8,225	8,728
Non-Labor	2,268	2,103	2,159	2,676	4,265
NSE	0	0	0	0	0
Total	9,510	9,147	8,708	10,901	12,993
FTE	76.3	75.7	72.2	90.3	91.0

\* 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Workpaper:	1IT001.000 - IT Applications NSS

#### Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs							
Years	2009	2010	2011	2012	2013		
Labor	269	257	-97	-75	0		
Non-Labor	5	15	5	-6	0		
NSE	0	0	0	0	0		
Total	274	272	-92	-81	0		
FTE	2.9	2.5	-0.9	-1.3	0.0		

#### Detail of Adjustments to Recorded:

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>	
2009	304	3	0	3.8 CC	TR Transf	From 2100-0019.000	CSCHRAMM2013 1107221220710	
cost center 2	100-0019 in V Work Paper	Nork Paper (	Group 10	DO007 CC	C Support to	oort function from cost center gn function where	110122.1220110	
2009	232	5	0	1.8 CC	TR Transf	From 2100-3611.000	CSCHRAMM2013 1107221601690	
cost center 2	100-0019 in V Work Paper	Nork Paper	Group 10	00007 CC	C Support to	ager function from cost center gn function where	1107221001090	
2009	-35	-3	0	-0.4 1-8	Sided Adj	N/A	LBROUGH201311	
IT employee	transfer from	SDGE to SC	CG, 2IT0	01			05164557723	
2009	-232	0	0	-2.3 1-8	Sided Adj	N/A	LBROUGH201312 04104017257	
Transfer of 4 \$232k	employees to	SCG Gas (	Ops, Wkp	oaper 2SF	2000. 4 x 100	x x 58% O&M =	04104017237	
2009 Total	269	5	0	2.9				
2010	298	12	0	3.5 CC	TR Transf	From 2100-0019.000	CSCHRAMM2013 1107221328560	
cost center 2 2100-0642 ir	Transfer labor, FTE, and non-labor costs associated with IT Tech Support function from cost center 2100-0019 in Work Paper Group 100007 CCC Support to cost center 2100-0642 in Work Paper Group 1IT001 Information Technology to align function where activity resides.							

Area:	INFO	RMATION TEC	HNOL	DGY			
Witness:	Steph	en J. Mikovits					
Category:	A. Ap	plications					
Category-Sub:		olications					
Workpaper:		1.000 - IT Appl	ications	NSS			
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Fte</u>	Adj Type	From CCtr	<u>RefID</u>
2010	226	6	0	1.7	CCTR Transf	From 2100-3611.000	CSCHRAMM2013 1107221705560
cost center	r 2100-0019 ii ? in Work Pap	n Work Paper G	Group 1	00007	CCC Support to	ager function from cost center ign function where	1107221100000
2010	-35	-3	0	-0.4	1-Sided Adj	N/A	LBROUGH201311
IT employe	ee transfer fro	m SDGE to SC	G, 21TC	001			05164645730
2010	-232	0	0		1-Sided Adj	N/A	LBROUGH201312
Trenefor	f 4 overeleviere	ta 800 0aa 0					04104051257
\$232k	r 4 employees		ips, vvk	paper .	2SP000. 4 x 100	JK X 50% U&IVI =	
2010 Total	257	15	0	2.5			
2011	163	7	0		CCTR Transf	From 2100-0019.000	CSCHRAMM2013 1107221427490
cost center	r 2100-0019 ii ? in Work Pap	n Work Paper G	Group 1	00007	CCC Support to	port function from cost center ign function where	
2011	6	0.506	0	0.1	CCTR Transf	From 2100-3611.000	CSCHRAMM2013
1107221831967 Transfer labor, FTE, and non-labor costs associated with IT Tech Manager function from cost center 2100-0019 in Work Paper Group 100007 CCC Support to cost center 2100-0642 in Work Paper Group 1IT001 Information Technology to align function where activity resides.							
2011	-35	-3	0	-0.4	1-Sided Adj	N/A	LBROUGH201311
IT employe	ee transfer fro	m SDGE to SC	G, 21TC	001			05164723943
2011	-232	0	0	-2.3	1-Sided Adj	N/A	LBROUGH201312
Transfer of \$232k	f 4 employees	to SCG Gas C	)ps, Wk	paper :	2SP000. 4 x 100	0k x 58% O&M =	04104123227
2011 Total	-97	5	0	-0.9			
2012	-35	-3	0	-0.4	1-Sided Adj	N/A	LBROUGH201311
					J		05164848587
II employe	ee transfer fro	m SDGE to SC	G, 21TC	001			

Area: Witness: Category: Category-Sub: Workpaper:	Stephe A. App 1. App	RMATION TE en J. Mikovits lications lications 1.000 - IT Ap	3				
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>
2012	-40	-3	0	-0.9 1-	Sided Adj	N/A	LBROUGH201311
IT employee	e transfer fror	n SDGE to S	CG, 220	0-2496			05165048623
2012 Total	-75	-6	0	-1.3			
2013 Total	0	0	0	0.0			

# Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:B. InfrastructureWorkpaper:1IT002.000

#### Summary for Category: B. Infrastructure

	In 2013\$ (000) Incurred Costs								
	Adjusted-Recorded	Adjusted-Forecast							
	2013	2014	2015	2016					
Labor	223	223	223	223					
Non-Labor	1	1	1	1					
NSE	0	0	0	0					
Total	224	224	224	224					
FTE	2.1	2.1	2.1	2.1					

#### Workpapers belonging to this Category:

#### 1IT002.000 IT Infrastructue NSS

Labor	223	223	223	223
Non-Labor	1	1	1	1
NSE	0	0	0	0
Total	224	224	224	224
FTE	2.1	2.1	2.1	2.1

Beginning of Workpaper 1IT002.000 - IT Infrastructue NSS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Workpaper:	1IT002.000 - IT Infrastructue NSS

#### **Activity Description:**

This work group supports non-shared network telecommunications and other infrastructure expenses for SDGE.

#### Forecast Explanations:

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

#### N/A

#### Summary of Results:

[	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	ded		Ad	cast					
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	770	41	53	333	223	223	223	223				
Non-Labor	39	8	0	18	1	1	1	1				
NSE	0	0	0	0	0	0	0	0				
Total	809	50	53	350	224	224	224	224				
FTE	9.8	1.0	0.8	3.0	2.1	2.1	2.1	2.1				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Workpaper:	1IT002.000 - IT Infrastructue NSS

#### Forecast Summary:

In 2013 \$(000) Incurred Costs											
Forecast	t Method	Bas	se Foreca	st	Forec	ast Adjust	ments	Adjusted-Forecast			
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	223	223	223	0	0	0	223	223	223	
Non-Labor	Base YR Rec	1	1	1	0	0	0	1	1	1	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	I	224	224	224	0	0	0	224	224	224	
FTE	Base YR Rec	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1	

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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Workpaper:	1IT002.000 - IT Infrastructue NSS

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

·····,····	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	727	146	157	397	192
Non-Labor	38	11	3	20	1
NSE	0	0	0	0	0
Total	765	156	160	417	193
FTE	9.2	1.6	1.5	3.4	1.8
djustments (Nominal \$) *	*				
Labor	-112	-112	-112	-112	0
Non-Labor	-3	-3	-3	-3	0
NSE	0	0	0	0	0
Total	-115	-115	-115	-115	0
FTE	-0.8	-0.8	-0.8	-0.8	0.0
ecorded-Adjusted (Nomir	nal \$)				
Labor	614	34	44	284	192
Non-Labor	35	8	0	17	1
NSE	0	0	0	0	0
Total	650	41	44	302	193
FTE	8.4	0.8	0.7	2.6	1.8
acation & Sick (Nominal S	\$)				
Labor	95	5	7	41	31
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	95	5	7	41	31
FTE	1.4	0.1	0.1	0.4	0.3
scalation to 2013\$					
Labor	61	2	2	7	0
Non-Labor	4	1	0	0	0
NSE	0	0	0	0	0
Total	65	3	2	7	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	770	41	53	333	223
Non-Labor	39	8	0	18	1
NSE	0	0	0	0	0
Total	809	50	53	350	224
FTE	9.8	0.9	0.8	3.0	2.1

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

\*\* Refer to "Detail of Adjustments to Recorded" page for line item adjustments *Note: Totals may include rounding differences.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Workpaper:	1IT002.000 - IT Infrastructue NSS

#### Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs									
Years	2009	2010	2011	2012	2013				
Labor	-112	-112	-112	-112	0				
Non-Labor	-3	-3	-3	-3	0				
NSE	0	0	0	0	0				
Total	-115	-115	-115	-115	0				
FTE	-0.8	-0.8	-0.8	-0.8	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	<u>RefID</u>
2009	-112	-3	0	-0.8 1-Sided Adj	N/A	LBROUGH201311
IT employee	xfers from SI	DGE to SCG	2IT002.			06090424747
2009 Total	-112	-3	0	-0.8		
2010	-112	-3	0	-0.8 1-Sided Adj	N/A	LBROUGH201311
IT employee	xfers from SI	DGE to SCG	2IT002.			06090518323
2010 Total	-112	-3	0	-0.8		
2011	-112	-3	0	-0.8 1-Sided Adj	N/A	LBROUGH201311
IT employee	xfers from SI	DGE to SCG	2IT002.			06090600670
2011 Total	-112	-3	0	-0.8		
2012	-112	-3	0	-0.8 1-Sided Adj	N/A	LBROUGH201311
IT employee	xfers from SI	DGE to SCG	2IT002.			06090648600
2012 Total	-112	-3	0	-0.8		

Area:	INFO	RMATION TI	ECHNOLO	DGY					
Witness:	Steph	Stephen J. Mikovits							
Category:	B. Inf	rastructure							
Category-Sub:	1. Inf	rastructure							
Workpaper:	1IT00	02.000 - IT Int	frastructue	NSS					
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>		
2013 Total	0	0	0	0.0					

# Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:C. Information SecurityWorkpaper:1IT004.000

#### Summary for Category: C. Information Security

	In 2013\$ (000) Incurred Costs							
	Adjusted-Recorded	Adjusted-Forecast						
	2013	2014	2015	2016				
Labor	109	109	109	109				
Non-Labor	50	50	50	50				
NSE	0	0	0	0				
Total	159	159	159	159				
FTE	1.1	1.1	1.1	1.1				

#### Workpapers belonging to this Category:

1IT004.000 Information S	Security NSS			
Labor	109	109	109	109
Non-Labor	50	50	50	50
NSE	0	0	0	0
Total	159	159	159	159
FTE	1.1	1.1	1.1	1.1

Beginning of Workpaper 1IT004.000 - Information Security NSS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub	1. Information Security
Workpaper:	1IT004.000 - Information Security NSS

#### **Activity Description:**

This work group includes all the non-shared IT Information Security charges, including regulatory compliance work as it relates to IT security.

#### Forecast Explanations:

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

#### NA

Summary of Results:

	In 2013\$ (000) Incurred Costs								
		Adju	isted-Recor	ded		Adjusted-Forecast			
Years	2009	2010	2011	2012	2013	2014	2015	2016	
Labor	0	0	0	186	109	109	109	109	
Non-Labor	0	0	0	32	50	50	50	50	
NSE	0	0	0	0	0	0	0	0	
Total	0	0	0	218	159	159	159	159	
FTE	0.0	0.0	0.0	1.9	1.1	1.1	1.1	1.1	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Workpaper:	1IT004.000 - Information Security NSS

#### Forecast Summary:

	In 2013 \$(000) Incurred Costs										
Forecast	orecast Method Base Forecast			Forec	Forecast Adjustments			Adjusted-Forecast			
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	109	109	109	0	0	0	109	109	109	
Non-Labor	Base YR Rec	50	50	50	0	0	0	50	50	50	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	I	159	159	159	0	0	0	159	159	159	
FTE	Base YR Rec	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1	

Forecast Adjustment Details:

Year/Expl.	Labor	<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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Workpaper:	1IT004.000 - Information Security NSS

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

·····	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	159	94
Non-Labor	0	0	0	32	50
NSE	0	0	0	0	0
Total	0	0	0	191	144
FTE	0.0	0.0	0.0	1.6	0.9
djustments (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
ecorded-Adjusted (Nomina	al \$)				
Labor	0	0	0	159	94
Non-Labor	0	0	0	32	50
NSE	0	0	0	0	0
Total	0	0	0	191	144
FTE	0.0	0.0	0.0	1.6	0.9
acation & Sick (Nominal \$	)				
Labor	0	0	0	23	15
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	23	15
FTE	0.0	0.0	0.0	0.3	0.2
scalation to 2013\$					
Labor	0	0	0	4	0
Non-Labor	0	0	0	1	0
NSE	0	0	0	0	0
Total	0	0	0	4	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	0	186	109
Non-Labor	0	0	0	32	50
NSE	0	0	0	0	0
Total	0	0	0	218	159
FTE	0.0	0.0	0.0	1.9	1.1

\* 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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 25 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Workpaper:	1IT004.000 - Information Security NSS

#### 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	<u>RefID</u>	
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:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:D. IT SupportWorkpaper:1IT003.000

#### Summary for Category: D. IT Support

		In 2013\$ (000) Inci	urred Costs	
	Adjusted-Recorded	Adjusted-Recorded Adjusted-Forecast		
	2013	2014	2015	2016
Labor	385	468	468	468
Non-Labor	684	1,684	184	184
NSE	0	0	0	0
Total	1,069	2,152	652	652
FTE	3.0	3.0	3.0	3.0

#### Workpapers belonging to this Category:

l chor				
Labor	385	468	468	468
Non-Labor	684	1,684	184	184
NSE	0	0	0	0
Total	1,069	2,152	652	652
FTE	3.0	3.0	3.0	3.0
Total	<u> </u>	0 2,152	<u> </u>	0 652

Beginning of Workpaper 1IT003.000 - IT Support

INFORMATION TECHNOLOGY
Stephen J. Mikovits
D. IT Support
1. IT Support
1IT003.000 - IT Support

#### **Activity Description:**

This work group contains all other IT support services, including the capital business optimization program, construction planning and design (CPD) work, and other miscellaneous IT charges.

#### Forecast Explanations:

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

#### NA

#### Summary of Results:

]				ln 2013\$ (00	0) Incurred (	Costs		
		Adju	isted-Recor	ded		Adjusted-Forecast		
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	1,927	2,067	1,186	523	385	468	468	468
Non-Labor	2,358	2,565	2,310	2,722	684	1,684	184	184
NSE	0	0	0	0	0	0	0	0
Total	4,285	4,632	3,496	3,245	1,069	2,152	652	652
FTE	19.4	25.3	11.6	4.8	3.0	3.0	3.0	3.0

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Workpaper:	1IT003.000 - IT Support

#### Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecas	t Method	Bas	se Foreca	st	Forecast Adjustments			Adjusted-Forecast		
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	385	385	385	83	83	83	468	468	468
Non-Labor	Base YR Rec	684	684	684	1,000	-500	-500	1,684	184	184
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	1,069	1,069	1,069	1,083	-417	-417	2,152	652	652
FTE	Base YR Rec	3.0	3.0	3.0	0.0	0.0	0.0	3.0	3.0	3.0

#### Forecast Adjustment Details:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
2014	83	1,000	0	1,083	0.0	1-Sided Adj

Capital Business Optimization Program - one-time increase of \$1,000k from base year in 2014, then decreases by \$500k from base year in 2015 and 2016 for consulting services. Labor support - Program started mid way through 2013, therefore incremental \$83k to cover annual O&M spend for 2 employees, assuming an O&C ratio of 73%, which continues into 2015 and 2016.

2014 Total	83	1,000	0	1,083	0.0		
2015	83	-500	0	-417	0.0 1-Sid	ed Adj	

Capital Business Optimization Program - one-time increase of \$1,000k from base year in 2014, then decreases by \$500k from base year in 2015 and 2016 for consulting services. Labor support - Program started mid way through 2013, therefore incremental \$83k to cover annual O&M spend for 2 employees, assuming an O&C ratio of 73%, which continues into 2015 and 2016.

2015 Total	83	-500	0	-417	0.0	
2016	83	-500	0	-417	0.0 1-Sided A	di

Capital Business Optimization Program - one-time increase of \$1,000k from base year in 2014, then decreases by \$500k from base year in 2015 and 2016 for consulting services. Labor support - Program started mid way through 2013, therefore incremental \$83k to cover annual O&M spend for 2 employees, assuming an O&C ratio of 73%, which continues into 2015 and 2016.

Area:	INFORMATION	N TECHNOL	OGY			
Witness:	Stephen J. Mik	ovits				
Category:	D. IT Support					
Category-Sub:	1. IT Support					
Workpaper:	1IT003.000 - IT	Support				
<u>Year/Expl.</u>	Labor	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u> <u>Adj Type</u>	
2016 Total	83	-500	0	-417	0.0	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Workpaper:	1IT003.000 - IT Support

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

j	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	2,032	2,172	1,554	1,520	1,609
Non-Labor	638	4,573	224	9,991	1,669
NSE	0	0	0	0	0
Total	2,670	6,745	1,778	11,511	3,279
FTE	20.6	25.6	14.9	14.7	14.8
djustments (Nominal \$) *	*				
Labor	-495	-495	-561	-1,073	-1,277
Non-Labor	1,496	-2,199	2,000	-7,311	-985
NSE	0	0	0	0	0
Total	1,001	-2,694	1,439	-8,384	-2,262
FTE	-4.0	-4.0	-4.9	-10.5	-12.3
ecorded-Adjusted (Nomir	nal \$)				
Labor	1,537	1,677	993	447	332
Non-Labor	2,134	2,374	2,224	2,680	684
NSE	0	0	0	0	0
Total	3,671	4,051	3,216	3,127	1,017
FTE	16.6	21.6	10.0	4.2	2.5
acation & Sick (Nominal S	\$)				
Labor	237	267	146	65	53
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	237	267	146	65	53
FTE	2.8	3.7	1.6	0.7	0.4
scalation to 2013\$					
Labor	152	123	47	11	0
Non-Labor	224	191	86	43	0
NSE	0	0	0	0	0
Total	377	315	133	54	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	1,927	2,067	1,186	523	385
Non-Labor	2,358	2,565	2,310	2,722	684
NSE	0	0	0	0	0
Total	4,285	4,632	3,496	3,245	1,069
FTE	19.4	25.3	11.6	4.9	2.9

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

\*\* Refer to "Detail of Adjustments to Recorded" page for line item adjustments *Note: Totals may include rounding differences.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Workpaper:	1IT003.000 - IT Support

# Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs									
Years	2009 2010 2011 2012 2013								
Labor	-495	-495	-561	-1,073	-1,277				
Non-Labor	1,496	-2,199	2,000	-7,311	-985				
NSE	0	0	0	0	0				
Total	1,001	-2,694	1,439	-8,384	-2,262				
FTE	-4.0	-4.0	-4.9	-10.5	-12.3				

## 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	<u>RefID</u>
2009	0	1,521	0	0.0 1-Si	ded Adj	N/A	LBROUGH201311 05152558700
Reversal of Adjustments		d to cost cente	ers 2100-3	3172 & 210	0-3339 for I	T Inventory	03132338700
2009	-495	-25	0	-4.0 1-Si	ded Adj	N/A	LBROUGH201405
Transfer of 0 reorganizatio		om 1IT003 to	2100-371	13 as part o	of IT reorg an	d to align with	15161346787
2009 Total	-495	1,496	0	-4.0			
2242			0				
2010	0	-2,149	0	0.0 1-Si	ded Adj	N/A	LBROUGH201311 05152710553
Adjustment	of IT Invento	ry balancing a	account fo	or cost cent	ers 2100-31	72 and 2100-3339	
2010	0	-25	0	0.0 CCT	R Transf	To 2100-3064.000	LBROUGH201402 27152956327
Transfer of t Electric Dist	-		costs prie	or to the tra	ansfer of all C	CPD costs to SDGE	21102300021
2010	-495	-25	0	-4.0 1-Si	ded Adj	N/A	LBROUGH201405
Transfer of C reorganization		om 1IT003 to	2100-371	13 as part o	of IT reorg an	d to align with	15161302000
2010 Total	-495	-2,199	0	-4.0			

Area: Witness: Category: Category-Sub: Workpaper:	Steph D. IT 1. IT S	RMATION TE en J. Mikovits Support Support 3.000 - IT Su	3	DGY			
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	RefID
2011	0	2,214	0	0.0	1-Sided Adj	N/A	LBROUGH201311
Adjustment 2100-3339	t of IT Invento	ory balancing	account o	credit fo	or cost centers 2	100-3172 and	05152759987
2011	-66	-189	0	-0.9	CCTR Transf	To 2100-3064.000	LBROUGH201402
	the affiliate p tribution (wkg		) costs pr	ior to th	e transfer of all	CPD costs to SDGE	27152907963
2011	-495	-25	0	-4.0	1-Sided Adj	N/A	LBROUGH201405
Transfer of reorganizat		om 1IT003 to	2100-37	13 as p	art of IT reorg a	nd to align with	15161237933
2011 Total	-561	2,000	0	-4.9			
2012	0	-5,984	0	0.0	1-Sided Adj	N/A	LBROUGH201311
Adjustment	t of IT Invento	ory balancing	account f	or cost	centers 2100-31	72 and 2100-3339	05152838510
2012	-574	-1,262	0	-6.5	CCTR Transf	To 2100-3067.000	LBROUGH201402
	the affiliate p tribution (wkg		) costs pr	ior to th	e transfer of all	CPD costs to SDGE	27152306670
2012	-4	-40	0	0.0	CCTR Transf	To 2100-3604.000	LBROUGH201402
Transfer of	the O&M por	tion of IT CPI	D costs to	SDGE	Electric Distribu	tion wkgrp 1ED013	27155929367
2012	-495	-25	0	-4.0	1-Sided Adj	N/A	LBROUGH201405
Transfer of budget.	CPD costs fr	om 1IT003 to	2100-37	13 as p	art of IT reorg a	nd to align with 2014	15161212877
2012 Total	-1,073	-7,311	0	-10.5			
2013	-488	-818	0	-5.3	CCTR Transf	To 2100-3064.000	LBROUGH201402
	the affiliate p tribution (wkg		) costs pr	ior to th	e transfer of all	CPD costs to SDGE	27151439333
2013	-294	-142	0	-3.0	CCTR Transf	To 2100-3604.000	LBROUGH201402
Transfer of 1ED013)	the O&M por	tion of IT CPI	D costs to	SDGE	Electric Distribu	ition (wkgrp	27155703640

Area: INFORMATION TECHNOLOGY

Witness: Stephen J. Mikovits

# Summary of Shared Services Workpapers:

		In 2013 \$ (000) Incurred Costs					
	Adjusted- Recorded	Adjusted-Forecast					
Description	2013	2014	2015	2016			
A. Applications	18,591	18,779	20,486	24,998			
B. Infrastructure	48,614	47,361	51,295	55,048			
C. Information Security	3,589	3,952	5,315	5,613			
D. IT Support	5,308	5,343	5,343	5,343			
Total	76,102	75,435	82,439	91,002			

# Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCost Center:VARIOUS

## Summary for Category: A. Applications

	In 2013\$ (000) Incurred Costs							
	Adjusted-Recorded		Adjusted-Forecast					
	2013	2014	2015	2016				
Labor	8,665	8,665	9,290	9,916				
Non-Labor	9,924	10,112	11,194	15,080				
NSE	0	0	0	0				
Total	18,589	18,777	20,484	24,996				
FTE	80.8	80.8	87.0	93.3				
Cost Centers belongin	g to this Category:							
2100-3071.000 SAP A	CCOUNTING & FINANCIAL SY	STEMS						
Labor	1,219	1,219	1,219	1,219				
Non-Labor	74	74	74	74				
NSE	0	0	0	0				
Total	1,293	1,293	1,293	1,293				
FTE	11.1	11.1	11.1	11.1				
2100-3072.000 SUPPL	LY CHAIN & LOGISTICS SYSTE	MS						
Labor	606	606	606	606				
Non-Labor	302	302	302	302				
NSE	0	0	0	0				
Total	908	908	908	908				
FTE	5.6	5.6	5.6	5.6				
2100-3073.000 ENTER	RPRISE INTEGRATION SERVIC	ES						
Labor	777	777	777	777				
Non-Labor	168	168	168	168				
NSE	0	0	0	0				
Total	945	945	945	945				
FTE	7.5	7.5	7.5	7.5				
2100-3074.000 SSDS	PROJECT OFFICE							
Labor	262	262	262	262				
Non-Labor	29	29	29	29				
NSE	0	0	0	0				
Total	291	291	291	291				
FTE	2.2	2.2	2.2	2.2				
2100-3076.000 CORP	ORATE SYSTEMS							
Labor	1,317	1,317	1,317	1,317				
Non-Labor	7	7	7	7				
NSE	0	0	0	0				
Total	1,324	1,324	1,324	1,324				
FTE	13.1	13.1	13.1	13.1				

# Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCost Center:VARIOUS

	In 2013\$ (000) Incurred Costs						
	Adjusted-Recorded	Adjusted-Recorded Adjusted-Forecast					
	2013	2014	2015	2016			
2100-3079.000 SCG 0	USTOMER CARE PROJECT O	FFICE					
Labor	33	33	33	33			
Non-Labor	30	30	30	30			
NSE	0	0	0	0			
Total	63	63	63	63			
FTE	0.3	0.3	0.3	0.3			
2100-3080.000 MAJO	R MARKETS & CUSTOMER SE	LF SERVICE					
Labor	2	2	2	2			
Non-Labor	16	16	16	16			
NSE	0	0	0	0			
Total		18	18	18			
FTE	0.0	0.0	0.0	0.0			
2100-3082.000 SCG (	USTOMER INFORMATION SYS						
Labor	-3	-3	-3	-3			
Non-Labor	53	53	53	53			
NSE	0	0	0	0			
Total	50	50	50	50			
FTE	0.0	0.0	0.0	0.0			
2100-3083.000 SCG C							
Labor	-2	-2	-2	-2			
Non-Labor	0	0	0	0			
NSE	0	0	0	0			
Total	-2	-2	-2	-2			
FTE	0.0	0.0	0.0	0.0			
2100-3086.000 CUST	OMER ASSISTANCE AND RELA			010			
Labor	488	488	488	488			
Non-Labor	365	365	365	365			
NSE	0	0	0	0			
Total	853	853	853	853			
FTE	4.6	4.6	4.6	4.6			
2100-3087.000 UTILIT							
Labor	375	375	556	737			
Non-Labor	27	27	57	87			
NSE	0	0	0	0			
Total	402	402	613	824			
FTE	3.0	3.0	4.8	6.6			
	NARE DEV - WORK MEAS SYS		4.0	0.0			
Labor	158	158	158	158			
Non-Labor	30	30	30	30			
NSE	0	0	0	0			
Total		<u>0</u>		188			
FTE	188		188				
Totals may include ro	1.6	1.6	1.6	1.6			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Cost Center:	VARIOUS

		In 2013\$ (000) Inci	urred Costs		
	Adjusted-Recorded Adjusted-Forecast				
	2013	2014	2015	2016	
2100-3089.000 BUSIN	IESS INTELLIGENCE GROUP				
Labor	772	772	772	772	
Non-Labor	221	221	221	221	
NSE	0	0	0	0	
Total	993	993	993	993	
FTE	7.3	7.3	7.3	7.3	
2100-3091.000 SOFT	WARE DEV - DATABASE ADMI	NISTRATOR			
Labor	1,299	1,299	1,299	1,299	
Non-Labor	3,069	3,257	3,683	4,752	
NSE	0	0	0	0	
Total	4,368	4,556	4,982	6,051	
FTE	11.0	11.0	11.0	11.0	
2100-3093.000 SOFT	WARE DEV - WORK MEAS & E				
Labor	546	546	546	546	
Non-Labor	469	469	469	469	
NSE	0	0	0	0	
Total	1,015	1,015	1,015	1,015	
FTE	5.6	5.6	5.6	5.6	
2100-3102.000 INFRA	STRUCTURE ENG & OPS DIR			0.0	
Labor	263	263	641	1,020	
Non-Labor	24	24	64	104	
NSE	0	0	0	0	
Total	287	287	705	1,124	
FTE	2.1	2.1	5.8	9.6	
2100-3623.000 SHAR			0.0	0.0	
Labor	0	0	0	C	
Non-Labor	4,954	4,954	5,350	8,092	
NSE	0	0	0	0,00 <u>-</u>	
Total	4,954	4,954	5,350	8,092	
FTE	0.0	0.0	0.0	0.0	
2100-3754.000 CUST	OMER CARE PROJECT OFFIC		0.0	0.0	
Labor	1	- 1	1	1	
Non-Labor	5	5	5	5	
NSE	0	0	0	C	
Total	6	6	<u> </u>	6	
FTE	0.0	0.0	0.0	0.0	
		0.0	0.0	0.0	
Labor	-5	-5	-5	-5	
Non-Labor	-5	-5 11	-5 11	-0	
NSE	0	0	0	C	
Total	<u> </u>	6	6	6	
FTE	<b>6</b> 0.0	0.0	<b>6</b> 0.0	<del>ه</del> 0.0	
Totals may include ro		0.0	0.0	0.0	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Cost Center:	VARIOUS

	In 2013\$ (000) Incurred Costs						
	Adjusted-Recorded						
	2013	2014	2015	2016			
2100-3848.000 CUST	OMER ANALYTICS SYSTEM						
Labor	124	124	124	124			
Non-Labor	6	6	6	6			
NSE	0	0	0	0			
Total	130	130	130	130			
FTE	1.1	1.1	1.1	1.1			
2100-3905.000 ENTER	RPRISE MODELING TEST TEA	и					
Labor	18	18	18	18			
Non-Labor	0	0	0	0			
NSE	0	0	0	0			
Total	18	18	18	18			
FTE	0.2	0.2	0.2	0.2			
2100-4001.000 Collab	oration Services						
Labor	415	415	481	547			
Non-Labor	64	64	254	259			
NSE	0	0	0	0			
Total	479	479	735	806			
FTE	4.5	4.5	5.2	5.9			

Beginning of Workpaper 2100-3071.000 - SAP ACCOUNTING & FINANCIAL SYSTEMS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3071.000 - SAP ACCOUNTING & FINANCIAL SYSTEMS

## Activity Description:

This cost center is responsible for maintenance, enhancements and application security for SAP and non-SAP financial systems. Business Units supported include SDGE, SoCal Gas and Sempra Corporate Center.

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

## Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

## NSE - Base YR Rec

N/A

## Summary of Results:

Γ	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	ded		Adjusted-Forecast						
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	1,300	1,008	764	1,022	1,219	1,219	1,219	1,219				
Non-Labor	116	93	162	180	74	74	74	74				
NSE	0	0	0	0	0	0	0	0				
Total	1,416	1,101	926	1,201	1,293	1,293	1,293	1,293				
FTE	12.9	9.8	7.3	9.5	11.1	11.1	11.1	11.1				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3071.000 - SAP ACCOUNTING & FINANCIAL SYSTEMS

# Cost Center Allocations (Incurred Costs):

	2013 Adjusted-Recorded						2014 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	23	0	0	23	0.10	23	0	0	23	0.10
Directly Allocated	0	0	0	0	0.00	0	0	0	0	-0.01
Subj. To % Alloc.	1,197	74	0	1,271	11.00	1,197	74	0	1,271	11.00
Total Incurred	1,220	74	0	1,294	11.10	1,220	74	0	1,294	11.09
% Allocation										
Retained	36.44%	36.44%				37.00%	37.00%			
SEU	45.94%	45.94%				47.00%	47.00%			
CORP	17.62%	17.62%				16.00%	16.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adjus	sted-Fore	cast			2016 Adjı	usted-Fore	cast	

	-									
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	23	0	0	23	0.10	23	0	0	23	0.10
Directly Allocated	0	0	0	0	-0.01	0	0	0	0	-0.01
Subj. To % Alloc.	1,197	74	0	1,271	11.00	1,197	74	0	1,271	11.00
Total Incurred	1,220	74	0	1,294	11.09	1,220	74	0	1,294	11.09
% Allocation										
Retained	37.00%	37.00%				37.00%	37.00%			
SEU	47.00%	47.00%				47.00%	47.00%			
CORP	16.00%	16.00%				16.00%	16.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub:1. ApplicationsCost Center:2100-3071.000 - SAP ACCOUNTING & FINANCIAL SYSTEMS

## Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

Allocations are based on a labor study of all applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

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

Allocations are based on a labor study of all applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

#### Cost Center Allocation Percentage for 2015

Allocations are based on a labor study of all applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

#### Cost Center Allocation Percentage for 2016

Allocations are based on a labor study of all applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3071.000 - SAP ACCOUNTING & FINANCIAL SYSTEMS

## Forecast Summary:

			In 201	3 \$(000) lı	ncurred Co	sts				
Forecast	t Method	Bas	se Foreca	st	Forec	ast Adjust	ments	Adjus	ted-Forec	ast
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	1,219	1,219	1,219	0	0	0	1,219	1,219	1,219
Non-Labor	Base YR Rec	74	74	74	0	0	0	74	74	74
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	1,293	1,293	1,293	0	0	0	1,293	1,293	1,293
FTE	Base YR Rec	11.1	11.1	11.1	0.0	0.0	0.0	11.1	11.1	11.1

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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3071.000 - SAP ACCOUNTING & FINANCIAL SYSTEMS

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

	2009 (\$000) 2009	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	1,029	812	641	877	1,052
Non-Labor	106	87	156	177	74
NSE	0	0	0	0	0
Total	1,135	899	797	1,054	1,126
FTE	11.0	8.4	6.3	8.1	9.4
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	nal \$)				
Labor	1,029	812	641	877	1,052
Non-Labor	106	87	156	177	74
NSE	0	0	0	0	0
Total	1,135	899	797	1,054	1,126
FTE	11.0	8.4	6.3	8.1	9.4
/acation & Sick (Nominal \$	\$)				
Labor	159	129	94	127	167
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	159	129	94	127	167
FTE	1.8	1.5	1.0	1.3	1.7
Escalation to 2013\$					
Labor	113	67	29	17	0
Non-Labor	10	6	6	3	0
NSE	0	0	0	0	0
Total	123	73	35	20	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Consta	ant 2013\$)				
Labor	1,300	1,008	764	1,022	1,219
Non-Labor	116	93	162	180	74
NSE	0	0	0	0	0
Total	1,416	1,101	926	1,201	1,293
FTE	12.8	9.9	7.3	9.4	11.1

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3071.000 - SAP ACCOUNTING & FINANCIAL SYSTEMS

# 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				

Beginning of Workpaper 2100-3072.000 - SUPPLY CHAIN & LOGISTICS SYSTEMS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3072.000 - SUPPLY CHAIN & LOGISTICS SYSTEMS

## **Activity Description:**

This cost center supports system-wide Supply Chain & Logistics Applications for the Utilities and Corporate Center.

## Forecast Explanations:

# Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

## Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## N/A

## Summary of Results:

				In 2013\$ (00	0) Incurred (	Costs		
		Adju	isted-Recor	Ad	justed-Fore	cast		
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	441	680	365	600	606	606	606	606
Non-Labor	524	399	311	575	302	302	302	302
NSE	0	0	0	0	0	0	0	0
Total	965	1,079	676	1,175	908	908	908	908
FTE	4.3	7.1	3.6	5.4	5.6	5.6	5.6	5.6

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3072.000 - SUPPLY CHAIN & LOGISTICS SYSTEMS

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

		2013 Adju	orded		2014 Adju	usted-Fore	cast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	1	0	1	0.00	0	1	0	1	0.01
Directly Allocated	77	16	0	93	0.75	77	16	0	93	0.75
Subj. To % Alloc.	529	286	0	815	4.87	529	286	0	815	4.87
Total Incurred	606	303	0	909	5.62	606	303	0	909	5.63
% Allocation										
Retained	38.25%	38.25%				38.08%	38.08%			
SEU	60.96%	60.96%				58.32%	58.32%			
CORP	0.79%	0.79%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast						2016 Adju	sted-Fore	cast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	1	0	1	0.01	0	1	0	1	0.01
Directly Allocated	77	16	0	93	0.75	77	16	0	93	0.75
Subj. To % Alloc.	529	286	0	815	4.87	529	286	0	815	4.87
Total Incurred	606	303	0	909	5.63	606	303	0	909	5.63
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub:1. ApplicationsCost Center:2100-3072.000 - SUPPLY CHAIN & LOGISTICS SYSTEMS

## Cost Center Allocation Percentage Drivers/Methodology:

## Cost Center Allocation Percentage for 2013

The percentage calculation assumptions are based on the total number of LAN login ID's for SDGE, SCG and parent. This cost center provides database administration services for all SDGE, SCG and parent employees. Using LAN login ID counts for each respective company accurately determines the use of services by each company.

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

The percentage calculation assumptions are based on the total number of LAN login ID's for SDGE, SCG and parent. This cost center provides database administration services for all SDGE, SCG and parent employees. Using LAN login ID counts for each respective company accurately determines the use of services by each company.

## Cost Center Allocation Percentage for 2015

The percentage calculation assumptions are based on the total number of LAN login ID's for SDGE, SCG and parent. This cost center provides database administration services for all SDGE, SCG and parent employees. Using LAN login ID counts for each respective company accurately determines the use of services by each company.

#### Cost Center Allocation Percentage for 2016

The percentage calculation assumptions are based on the total number of LAN login ID's for SDGE, SCG and parent. This cost center provides database administration services for all SDGE, SCG and parent employees. Using LAN login ID counts for each respective company accurately determines the use of services by each company.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3072.000 - SUPPLY CHAIN & LOGISTICS SYSTEMS

## Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecas	t Method	Bas	se Foreca	st	Forecast Adjustments			Adjusted-Forecast		
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	606	606	606	0	0	0	606	606	606
Non-Labor	Base YR Rec	302	302	302	0	0	0	302	302	302
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	ıl	908	908	908	0	0	0	908	908	908
FTE	Base YR Rec	5.6	5.6	5.6	0.0	0.0	0.0	5.6	5.6	5.6
Forecast Adju	precast Adjustment Details:									

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adi Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3072.000 - SUPPLY CHAIN & LOGISTICS SYSTEMS

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

etermination of Aujusteu-	Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*	· · ·		· · ·		· · ·
Labor	595	795	553	823	523
Non-Labor	494	388	314	583	302
NSE	0	0	0	0	0
Total	1,089	1,183	867	1,406	825
FTE	6.3	8.6	5.7	7.7	4.8
djustments (Nominal \$) **					
Labor	-247	-248	-247	-308	0
Non-Labor	-15	-15	-15	-18	0
NSE	0	0	0	0	0
Total	-262	-263	-262	-326	0
FTE	-2.6	-2.6	-2.6	-3.1	0.0
Recorded-Adjusted (Nomina	al \$)				
Labor	349	548	307	515	523
Non-Labor	479	373	299	565	302
NSE	0	0	0	0	0
Total	828	920	606	1,081	825
FTE	3.7	6.0	3.1	4.6	4.8
acation & Sick (Nominal \$)	)				
Labor	54	87	45	75	83
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	54	87	45	75	83
FTE	0.6	1.0	0.5	0.7	0.8
scalation to 2013\$					
Labor	38	45	14	10	0
Non-Labor	45	26	12	10	0
NSE	0	0	0	0	0
Total	84	71	25	20	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	nt 2013\$)				
Labor	441	680	365	600	606
Non-Labor	524	399	311	575	302
NSE	0	0	0	0	0
Total	965	1,079	676	1,175	908
FTE	4.3	7.0	3.6	5.3	5.6

\* 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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 53 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3072.000 - SUPPLY CHAIN & LOGISTICS SYSTEMS

# Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs									
Years	<u>2009</u> <u>2010</u> <u>2011</u> <u>2012</u> <u>2013</u>								
Labor	-247	-248	-247	-308	0				
Non-Labor	-15	-15	-15	-18	0				
NSE	0	0	0	0	0				
Total	-262	-263	-262	-326	0				
FTE	-2.6	-2.6	-2.6	-3.1	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	<u>RefID</u>
2009	247	15	0	2.6 CC	TR Transf	To 2200-2444.000	FFIGUERO20131
IT Employee	Transfer fro	om SDGE to S	CG as of	2013			031103044950
2009	-247	-15	0	-2.6 CC	TR Transf	To 2200-2444.000	FFIGUERO20131
IT Employee	Transfer fro	om SDGE to S	CG as of	2013			031104418897
2009	-247	-15	0	-2.6 CC	TR Transf	To 2200-2444.000	FFIGUERO20131
fix prior adjm	t made in e	rror					031105147117
2009 Total	-247	-15	0	-2.6			
2010	247	0.015	0	2.6 CC	TR Transf	To 2200-2444.000	FFIGUERO20131
	Transfer fr	om SDGE to S	CC as of	2013			031103212367
				2013			
2010	-248	-15	0	-2.6 CC	TR Transf	To 2200-2444.000	FFIGUERO20131
IT Employee	Transfer fro	om SDGE to S	CG as of	2013			031104506163
2010	-247	-0.015	0	-2.6 CC	TR Transf	To 2200-2444.000	FFIGUERO20131
fix prior admr	nt made in e	error					031105310457
2010 Total	-248	-15	0	-2.6			

Area:	INFO	RMATION TI	ECHNOLO	DGY						
Witness:	Steph	Stephen J. Mikovits								
Category:	A. Ap	plications								
Category-Sub:	1. Ap	plications								
Cost Center:	2100-	-3072.000 - S	SUPPLY C	HAIN	& LOGISTICS SY	(STEMS				
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	FTE	Adj Type	From CCtr	RefID			
2011	247	15	0	2.6	CCTR Transf	To 2200-2444.000	FFIGUERO20131 031103618560			
IT Employe	e Transfer fr	om SDGE to	SCG as c	of 2013	i					
2011	-247	-15	0	-2.6	CCTR Transf	To 2200-2444.000	FFIGUERO20131 031104543813			
IT Employe	e Transfer fr	om SDGE to	SCG as c	of 2013	i					
2011	-247	-15	0	-2.6	CCTR Transf	To 2200-2444.000	FFIGUERO20131 031105407313			
fix adjmt ma	ade in error									
2011 Total	-247	-15	0	-2.6						
2012	-308	-18	0	-3.1	CCTR Transf	To 2200-2444.000	FFIGUERO20131 031104620837			
IT Employe	e Transfer fr	om SDGE to	SCG as c	of 2013	i i		031104020037			
2012 Total	-308	-18	0	-3.1						
2013 Total	0	0	0	0.0						

Beginning of Workpaper 2100-3073.000 - ENTERPRISE INTEGRATION SERVICES

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3073.000 - ENTERPRISE INTEGRATION SERVICES

#### **Activity Description:**

This cost center is responsible for performance monitoring, tuning, problem resolution and software installation for the SAP environment.

#### Forecast Explanations:

# Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## N/A

#### Summary of Results:

		In 2013\$ (000) Incurred Costs									
		Adju	isted-Recor	Ad	justed-Fore	cast					
Years	2009	2010	2011	2012	2013	2014	2015	2016			
Labor	1,076	1,085	986	746	777	777	777	777			
Non-Labor	296	285	280	390	168	168	168	168			
NSE	0	0	0	0	0	0	0	0			
Total	1,372	1,369	1,266	1,136	945	945	945	945			
FTE	9.8	10.2	9.4	7.1	7.5	7.5	7.5	7.5			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3073.000 - ENTERPRISE INTEGRATION SERVICES

## Cost Center Allocations (Incurred Costs):

		2013 Adju	2014 Adjusted-Forecast							
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	4	0	0	4	0.03	4	0	0	4	0.03
Directly Allocated	0	2	0	2	0.00	0	2	0	2	0.00
Subj. To % Alloc.	774	166	0	940	7.46	774	166	0	940	7.46
Total Incurred	778	168	0	946	7.49	778	168	0	946	7.49
% Allocation										
Retained	39.75%	39.75%				33.40%	33.40%			
SEU	54.86%	54.86%				62.10%	62.10%			
CORP	5.39%	5.39%				4.50%	4.50%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adiu	stad Earo	oast			2016 Adiu	usted-Fore	oast	

	2015 Adjusted-Forecast						2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE	
Directly Retained	4	0	0	4	0.03	4	0	0	4	0.03	
Directly Allocated	0	2	0	2	0.00	0	2	0	2	0.00	
Subj. To % Alloc.	774	166	0	940	7.46	774	166	0	940	7.46	
Total Incurred	778	168	0	946	7.49	778	168	0	946	7.49	
% Allocation											
Retained	33.40%	33.40%				33.40%	33.40%				
SEU	62.10%	62.10%				62.10%	62.10%				
CORP	4.50%	4.50%				4.50%	4.50%				
Unreg	0.00%	0.00%				0.00%	0.00%				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3073.000 - ENTERPRISE INTEGRATION SERVICES

## Cost Center Allocation Percentage Drivers/Methodology:

## Cost Center Allocation Percentage for 2013

Allocations are based on the number of active SAP R3 Login ID's for SDGE, SCG and Parent. Since this cost center supports SAP shared applications, using the number of active SAP R3 Login ID's for each company is the best method to accurately determine the use of services by each company.

#### Cost Center Allocation Percentage for 2014

Allocations are based on the number of active SAP R3 Login ID's for SDGE, SCG and Parent. Since this cost center supports SAP shared applications, using the number of active SAP R3 Login ID's for each company is the best method to accurately determine the use of services by each company.

## Cost Center Allocation Percentage for 2015

Allocations are based on the number of active SAP R3 Login ID's for SDGE, SCG and Parent. Since this cost center supports SAP shared applications, using the number of active SAP R3 Login ID's for each company is the best method to accurately determine the use of services by each company.

#### Cost Center Allocation Percentage for 2016

Allocations are based on the number of active SAP R3 Login ID's for SDGE, SCG and Parent. Since this cost center supports SAP shared applications, using the number of active SAP R3 Login ID's for each company is the best method to accurately determine the use of services by each company.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3073.000 - ENTERPRISE INTEGRATION SERVICES

## Forecast Summary:

In 2013 \$(000) Incurred Costs											
Forecast	t Method	Bas	se Foreca	st	Forec	ast Adjust	ments	Adjus	Adjusted-Forecast		
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	777	777	777	0	0	0	777	777	777	
Non-Labor	Base YR Rec	168	168	168	0	0	0	168	168	168	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	I	945	945	945	0	0	0	945	945	945	
FTE	Base YR Rec	7.5	7.5	7.5	0.0	0.0	0.0	7.5	7.5	7.5	

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adi Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3073.000 - ENTERPRISE INTEGRATION SERVICES

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

	2009 (\$000) -Recorded (Incurred Cos	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	851	874	827	640	671
Non-Labor	270	266	270	384	168
NSE	0	0	0	0	0
Total	1,121	1,140	1,097	1,024	839
FTE	8.4	8.7	8.1	6.1	6.4
djustments (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
ecorded-Adjusted (Nomin	al \$)				
Labor	851	874	827	640	671
Non-Labor	270	266	270	384	168
NSE	0	0	0	0	0
Total	1,121	1,140	1,097	1,024	839
FTE	8.4	8.7	8.1	6.1	6.4
acation & Sick (Nominal \$	5)				
Labor	131	139	122	93	106
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	131	139	122	93	106
FTE	1.4	1.5	1.3	1.0	1.1
scalation to 2013\$					
Labor	93	72	37	13	0
Non-Labor	26	19	11	7	0
NSE	0	0	0	0	0
Total	119	91	47	19	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	1,076	1,085	986	746	777
Non-Labor	296	285	280	390	168
NSE	0	0	0	0	0
Total	1,372	1,369	1,266	1,136	945
FTE	9.8	10.2	9.4	7.1	7.5

\* 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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 61 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3073.000 - ENTERPRISE INTEGRATION SERVICES

# 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	<u>RefID</u>
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			

Beginning of Workpaper 2100-3074.000 - SSDS PROJECT OFFICE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3074.000 - SSDS PROJECT OFFICE

#### **Activity Description:**

This cost center is responsible for architecture and design of new systems and major enhancements to existing systems in the Shared application services department. Business Units supported include SDGE and SoCal Gas.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

## Summary of Results:

[				ln 2013\$ (00	0) Incurred (	Costs		
		Adju	isted-Recor	ded		Ad	justed-Fore	cast
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	160	233	205	171	262	262	262	262
Non-Labor	-21	241	16	41	29	29	29	29
NSE	0	0	0	0	0	0	0	0
Total	139	474	220	212	291	291	291	291
FTE	3.8	2.2	2.3	1.8	2.2	2.2	2.2	2.2

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3074.000 - SSDS PROJECT OFFICE

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

		2013 Adju	orded	2014 Adjusted-Forecast						
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	3	0	0	3	0.00	3	0	0	3	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	259	28	0	287	2.25	259	28	0	287	2.25
Total Incurred	262	28	0	290	2.25	262	28	0	290	2.25
% Allocation										
Retained	45.14%	45.14%				76.08%	76.08%			
SEU	51.13%	51.13%				23.92%	23.92%			
CORP	3.73%	3.73%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	cast	2016 Adjusted-Forecast						
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	3	0	0	3	0.00	3	0	0	3	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	259	28	0	287	2.25	259	28	0	287	2.25
Total Incurred	262	28	0	290	2.25	262	28	0	290	2.25
% Allocation										
Retained	76.08%	76.08%				76.08%	76.08%			
SEU	23.92%	23.92%				23.92%	23.92%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3074.000 - SSDS PROJECT OFFICE

## Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

Allocations are based on a labor study of all projects supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all projects supported by this cost center is appropriate as it defines how the resources in the department will be allocated.

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

Allocations are based on a labor study of all projects supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all projects supported by this cost center is appropriate as it defines how the resources in the department will be allocated.

#### Cost Center Allocation Percentage for 2015

Allocations are based on a labor study of all projects supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all projects supported by this cost center is appropriate as it defines how the resources in the department will be allocated.

#### Cost Center Allocation Percentage for 2016

Allocations are based on a labor study of all projects supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all projects supported by this cost center is appropriate as it defines how the resources in the department will be allocated.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3074.000 - SSDS PROJECT OFFICE

## Forecast Summary:

In 2013 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	262	262	262	0	0	0	262	262	262
Non-Labor	Base YR Rec	29	29	29	0	0	0	29	29	29
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Total		291	291	291	0	0	0	291	291	291
FTE	Base YR Rec	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2	2.2
Forecast Adjustment Details:										

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3074.000 - SSDS PROJECT OFFICE

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	88	188	172	147	226
Non-Labor	14	225	15	41	29
NSE	0	0	0	0	0
Total	102	413	187	187	255
FTE	0.8	1.9	1.9	1.6	1.9
djustments (Nominal \$) **	*				
Labor	38	0	0	0	0
Non-Labor	-33	0	0	0	0
NSE	0	0	0	0	0
Total	5	0	0	0	0
FTE	2.4	0.0	0.0	0.0	0.0
Recorded-Adjusted (Nomir	nal \$)				
Labor	127	188	172	147	226
Non-Labor	-19	225	15	41	29
NSE	0	0	0	0	0
Total	107	413	187	187	255
FTE	3.2	1.9	1.9	1.6	1.9
/acation & Sick (Nominal \$	\$)				
Labor	20	30	25	21	36
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	20	30	25	21	36
FTE	0.5	0.3	0.3	0.3	0.3
scalation to 2013\$					
Labor	14	15	8	3	0
Non-Labor	-2	16	1	1	0
NSE	0	0	0	0	0
Total	12	31	8	4	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Consta	ant 2013\$)				
Labor	160	233	205	171	262
Non-Labor	-21	241	16	41	29
NSE	0	0	0	0	0
Total	139	474	220	212	291
FTE	3.7	2.2	2.2	1.9	2.2

\* 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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 68 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3074.000 - SSDS PROJECT OFFICE

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs											
Years	<u>2009</u> <u>2010</u> <u>2011</u> <u>2012</u> <u>2013</u>										
Labor	38	0	0	0	0						
Non-Labor	-33	0	0	0	0						
NSE	0	0	0	0	0						
Total	5	0	0	0	0						
FTE	2.4	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	<u>RefID</u>
2009	38	-33	0	2.4 1-Si	ded Adj	N/A	LBROUGH201311
Adjust to 201	3 Outlook (as	s of Nov, 20	13)				22143551247
2009 Total	38	-33	0	2.4			
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			

Beginning of Workpaper 2100-3076.000 - CORPORATE SYSTEMS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3076.000 - CORPORATE SYSTEMS

#### **Activity Description:**

This cost center supports Business and Corporate services, providing software development and system support services for specific applications that are not system-wide for SDGE, SCG and Sempra.

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### N/A

### Summary of Results:

		Adju	isted-Recor	ded		Adjusted-Forecast			
Years	2009	2010	2011	2012	2013	2014	2015	2016	
Labor	1,345	1,303	1,214	1,279	1,317	1,317	1,317	1,317	
Non-Labor	152	307	49	39	7	7	7	7	
NSE	0	0	0	0	0	0	0	0	
Total	1,497	1,610	1,264	1,318	1,324	1,324	1,324	1,324	
FTE	13.3	13.0	12.2	12.8	13.1	13.1	13.1	13.1	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3076.000 - CORPORATE SYSTEMS

## Cost Center Allocations (Incurred Costs):

		2013 Adju	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	1,317	7	0	1,324	13.08	1,317	7	0	1,324	13.08
Total Incurred	1,317	7	0	1,324	13.08	1,317	7	0	1,324	13.08
% Allocation										
Retained	54.42%	54.42%				54.42%	54.42%			
SEU	39.58%	39.58%				39.58%	39.58%			
CORP	6.00%	6.00%				6.00%	6.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adju	sted-Fore	cast			2016 Adju	isted-Fore	cast	
	Lahan	New Lehen	NOF	Tatal	ETE	Laban	Nan Lahan	NOF	Tatal	ETE

	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE	
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00	
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00	
Subj. To % Alloc.	1,317	7	0	1,324	13.08	1,317	7	0	1,324	13.08	
Total Incurred	1,317	7	0	1,324	13.08	1,317	7	0	1,324	13.08	
% Allocation											
Retained	54.42%	54.42%				54.42%	54.42%				
SEU	39.58%	39.58%				39.58%	39.58%				
CORP	6.00%	6.00%				6.00%	6.00%				
Unreg	0.00%	0.00%				0.00%	0.00%				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3076.000 - CORPORATE SYSTEMS

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Allocations are based on a labor study of all applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

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

Allocations are based on a labor study of all applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

### Cost Center Allocation Percentage for 2015

Allocations are based on a labor study of all applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

#### Cost Center Allocation Percentage for 2016

Allocations are based on a labor study of all applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3076.000 - CORPORATE SYSTEMS

### Forecast Summary:

	In 2013 \$(000) Incurred Costs													
Forecast	t Method	Base Forecast			Forec	ast Adjust	ments	Adjusted-Forecast						
Years	6	2014	2014 2015 2016		2014	2015	2016	2014	2015	2016				
Labor	Base YR Rec	1,317	1,317	1,317	0	0	0	1,317	1,317	1,317				
Non-Labor	Base YR Rec	7	7	7	0	0	0	7	7	7				
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0				
Tota	I	1,324	1,324	1,324	0	0	0	1,324	1,324	1,324				
FTE	Base YR Rec	13.1	13.1	13.1	0.0	0.0	0.0	13.1	13.1	13.1				

### 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3076.000 - CORPORATE SYSTEMS

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

·····,····	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	1,064	1,050	1,019	1,098	1,137
Non-Labor	139	286	47	38	7
NSE	0	0	0	0	0
Total	1,203	1,336	1,066	1,136	1,144
FTE	11.4	11.1	10.5	11.0	11.1
djustments (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	1,064	1,050	1,019	1,098	1,137
Non-Labor	139	286	47	38	7
NSE	0	0	0	0	0
Total	1,203	1,336	1,066	1,136	1,144
FTE	11.4	11.1	10.5	11.0	11.1
acation & Sick (Nominal \$	5)				
Labor	164	167	150	159	180
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	164	167	150	159	180
FTE	1.9	1.9	1.7	1.8	2.0
scalation to 2013\$					
Labor	116	86	46	22	0
Non-Labor	13	20	2	1	0
NSE	0	0	0	0	0
Total	130	106	47	22	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Consta	ant 2013\$)				
Labor	1,345	1,303	1,214	1,279	1,317
Non-Labor	152	307	49	39	7
NSE	0	0	0	0	0
Total	1,497	1,610	1,264	1,318	1,324
FTE	13.3	13.0	12.2	12.8	13.1

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3076.000 - CORPORATE SYSTEMS

## 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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3079.000 - SCG CUSTOMER CARE PROJECT OFFICE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3079.000 - SCG CUSTOMER CARE PROJECT OFFICE

#### **Activity Description:**

This cost center manages and supports data transfers between applications used by SCG, SDGE, and Corporate Center and over 200 external business partners.

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### N/A

#### Summary of Results:

	In 2013\$ (000) Incurred Costs							
		Adju	isted-Recor	ded		Ad	justed-Fore	cast
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	165	124	69	189	33	33	33	33
Non-Labor	7	7	48	464	30	30	30	30
NSE	0	0	0	0	0	0	0	0
Total	173	131	117	653	63	63	63	63
FTE	1.5	1.0	0.6	2.2	0.3	0.3	0.3	0.3

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3079.000 - SCG CUSTOMER CARE PROJECT OFFICE

## Cost Center Allocations (Incurred Costs):

	2013 Adjusted-Recorded						2014 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	1	0	1	0.00	0	1	0	1	0.00
Directly Allocated	15	7	0	22	0.14	15	7	0	22	0.14
Subj. To % Alloc.	18	21	0	39	0.16	18	21	0	39	0.16
Total Incurred	33	29	0	62	0.30	33	29	0	62	0.30
% Allocation										
Retained	0.00%	0.00%				38.08%	38.08%			
SEU	100.00%	100.00%				58.32%	58.32%			
CORP	0.00%	0.00%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			
	2015 Adjusted-Forecast						2016 Adjı	sted-Fore	cast	

	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	1	0	1	0.00	0	1	0	1	0.00
Directly Allocated	15	7	0	22	0.14	15	7	0	22	0.14
Subj. To % Alloc.	18	21	0	39	0.16	18	21	0	39	0.16
Total Incurred	33	29	0	62	0.30	33	29	0	62	0.30
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3079.000 - SCG CUSTOMER CARE PROJECT OFFICE

### Cost Center Allocation Percentage Drivers/Methodology:

### Cost Center Allocation Percentage for 2013

The systems & applications supported in this cost center are used by SCG employees for SCG and their customers, so an allocation, by resource usage, of this cost center's costs are allocable to SCG.

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

The percentage calculation assumptions are based on the total number of LAN login ID's for SDGE, SCG and parent. The LAN ID count calculation is appropriate based on the employee count. Using LAN login ID counts for each respective company accurately determines the use of services by each company.

### **Cost Center Allocation Percentage for 2015**

The percentage calculation assumptions are based on the total number of LAN login ID's for SDGE, SCG and parent. The LAN ID count calculation is appropriate based on the employee count. Using LAN login ID counts for each respective company accurately determines the use of services by each company.

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

The percentage calculation assumptions are based on the total number of LAN login ID's for SDGE, SCG and parent. The LAN ID count calculation is appropriate based on the employee count. Using LAN login ID counts for each respective company accurately determines the use of services by each company.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3079.000 - SCG CUSTOMER CARE PROJECT OFFICE

### Forecast Summary:

			In 201	3 \$(000) li	ncurred Co	sts				
Forecas	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjusted-Forecast			
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	33	33	33	0	0	0	33	33	33
Non-Labor	Base YR Rec	30	30	30	0	0	0	30	30	30
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	l	63	63	63	0	0	0	63	63	63
FTE	Base YR Rec	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3
orecast Adjustment Details:										

Year/Expl. <u>Labor</u> <u>NLbr</u> NSE Total FTE 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3079.000 - SCG CUSTOMER CARE PROJECT OFFICE

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

stermination of Aujusteu-	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*	. ,	. ,		. ,	. ,
Labor	131	100	58	162	28
Non-Labor	7	6	46	456	30
NSE	0	0	0	0	0
Total	137	106	104	618	58
FTE	1.3	0.9	0.5	1.9	0.3
djustments (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
ecorded-Adjusted (Nomina	al \$)				
Labor	131	100	58	162	28
Non-Labor	7	6	46	456	30
NSE	0	0	0	0	0
Total	137	106	104	618	58
FTE	1.3	0.9	0.5	1.9	0.3
acation & Sick (Nominal \$)	)				
Labor	20	16	9	24	5
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	20	16	9	24	5
FTE	0.2	0.1	0.1	0.3	0.0
scalation to 2013\$					
Labor	14	8	3	3	0
Non-Labor	1	0	2	8	0
NSE	0	0	0	0	0
Total	15	9	4	11	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	nt 2013\$)				
Labor	165	124	69	189	33
Non-Labor	7	7	48	464	30
NSE	0	0	0	0	0
Total	173	131	117	653	63
FTE	1.5	1.0	0.6	2.2	0.3

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

\*\* Refer to "Detail of Adjustments to Recorded" page for line item adjustments *Note: Totals may include rounding differences.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3079.000 - SCG CUSTOMER CARE PROJECT OFFICE

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs								
Years	<u>2009</u> <u>2010</u> <u>2011</u> <u>2012</u> <u>2013</u>							
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				

Beginning of Workpaper 2100-3080.000 - MAJOR MARKETS & CUSTOMER SELF SERVICE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3080.000 - MAJOR MARKETS & CUSTOMER SELF SERVICE

### **Activity Description:**

This cost center provides maintenance and enhancement programming support of HECT & GRC2 applications for SDG&E customers systems supported. It also supports MyAccount for SDG&E and SCG users.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### NSE - Base YR Rec

N/A

### Summary of Results:

[				In 2013\$ (00	0) Incurred C	Costs		
		Adju	isted-Recor	Ad	Adjusted-Forecast			
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	693	17	112	134	2	2	2	2
Non-Labor	700	360	251	487	16	16	16	16
NSE	0	0	0	0	0	0	0	0
Total	1,392	377	363	622	18	18	18	18
FTE	7.6	1.1	1.0	1.6	0.0	0.0	0.0	0.0

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3080.000 - MAJOR MARKETS & CUSTOMER SELF SERVICE

## Cost Center Allocations (Incurred Costs):

		2013 Adjus	2014 Adjusted-Forecast							
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	-1	0	0	-1	-0.01	-1	0	0	-1	-0.01
Directly Allocated	-5	14	0	9	-0.05	-5	14	0	9	-0.05
Subj. To % Alloc.	9	2	0	11	0.10	9	2	0	11	0.10
Total Incurred	3	16	0	19	0.04	3	16	0	19	0.04
% Allocation										
Retained	26.50%	26.50%				26.50%	26.50%			
SEU	73.50%	73.50%				73.50%	73.50%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			
						-				
		2015 Adjusted-Forecast					2016 Adjı	usted-Fore	cast	

		-								
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	-1	0	0	-1	-0.01	-1	0	0	-1	-0.01
Directly Allocated	-5	14	0	9	-0.05	-5	14	0	9	-0.05
Subj. To % Alloc.	9	2	0	11	0.10	9	2	0	11	0.10
Total Incurred	3	16	0	19	0.04	3	16	0	19	0.04
% Allocation										
Retained	26.50%	26.50%				26.50%	26.50%			
SEU	73.50%	73.50%				73.50%	73.50%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub:1. ApplicationsCost Center:2100-3080.000 - MAJOR MARKETS & CUSTOMER SELF SERVICE

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

The allocations are calculated by projecting by systems supported by this cost center, the number of employee labor and contractor-agency FTEs supporting the systems. These FTE numbers by system are then multiplied by the affiliate percentages assigned to each system. These amounts are totaled by affiliate and a weighted-average is calculated for each affiliate. This allocation method cost center supports the HECT & GRC2 applications. These systems are used exclusively by SDG&E. This cost center also supports MyAccount applications and projects for both SCG and SDGE.

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

The allocations are calculated by projecting by systems supported by this cost center, the number of employee labor and contractor-agency FTEs supporting the systems. These FTE numbers by system are then multiplied by the affiliate percentages assigned to each system. These amounts are totaled by affiliate and a weighted-average is calculated for each affiliate. This allocation method cost center supports the HECT & GRC2 applications. These systems are used exclusively by SDG&E. This cost center also supports MyAccount applications and projects for both SCG and SDGE.

#### **Cost Center Allocation Percentage for 2015**

The allocations are calculated by projecting by systems supported by this cost center, the number of employee labor and contractor-agency FTEs supporting the systems. These FTE numbers by system are then multiplied by the affiliate percentages assigned to each system. These amounts are totaled by affiliate and a weighted-average is calculated for each affiliate. This allocation method cost center supports the HECT & GRC2 applications. These systems are used exclusively by SDG&E. This cost center also supports MyAccount applications and projects for both SCG and SDGE.

#### Cost Center Allocation Percentage for 2016

The allocations are calculated by projecting by systems supported by this cost center, the number of employee labor and contractor-agency FTEs supporting the systems. These FTE numbers by system are then multiplied by the affiliate percentages assigned to each system. These amounts are totaled by affiliate and a weighted-average is calculated for each affiliate. This allocation method cost center supports the HECT & GRC2 applications. These systems are used exclusively by SDG&E. This cost center also supports MyAccount applications and projects for both SCG and SDGE.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3080.000 - MAJOR MARKETS & CUSTOMER SELF SERVICE

### Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecast Method    Base Forecast    Forecast Adjustments    Adjusted-Forecast								ast		
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	2	2	2	0	0	0	2	2	2
Non-Labor	Base YR Rec	16	16	16	0	0	0	16	16	16
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	al	18	18	18	0	0	0	18	18	18
FTE	Base YR Rec	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>	<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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3080.000 - MAJOR MARKETS & CUSTOMER SELF SERVICE

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

	a-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	879	676	425	495	2
Non-Labor	660	378	262	503	16
NSE	0	0	0	0	0
Total	1,539	1,054	687	998	18
FTE	9.5	6.9	3.9	4.4	0.0
djustments (Nominal \$) *	*				
Labor	-331	-662	-331	-380	0
Non-Labor	-21	-42	-21	-24	0
NSE	0	0	0	0	0
Total	-352	-704	-352	-404	0
FTE	-3.0	-6.0	-3.0	-3.0	0.0
ecorded-Adjusted (Noming	nal \$)				
Labor	548	14	94	115	2
Non-Labor	639	336	241	479	16
NSE	0	0	0	0	0
Total	1,187	350	335	594	18
FTE	6.5	0.9	0.9	1.4	0.0
acation & Sick (Nominal	\$)				
Labor	85	2	14	17	0
Non-Labor	0	0	0	0	0
NSE	0	<u> </u>	0	0	0
Total	85		14	17	0
FTE	1.1	0.2	0.1	0.2	0.0
scalation to 2013\$					
Labor	60	1	4	2	0
Non-Labor	61	24	9	8	0
NSE	0	0	0	0	0
Total	121	25	14	11	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	693	17	112	134	2
Non-Labor	700	360	251	487	16
NSE	0	0	0	0	0
Total	1,392	377	363	622	18
FTE	7.6	1.1	1.0	1.6	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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3080.000 - MAJOR MARKETS & CUSTOMER SELF SERVICE

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2009	2010	2011	2012	2013
Labor	-331	-662	-331	-380	0
Non-Labor	-21	-42	-21	-24	0
NSE	0	0	0	0	0
Total	-352	-704	-352	-404	0
FTE	-3.0	-6.0	-3.0	-3.0	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	<u>RefID</u>
2009	-331	-21	0	-3.0 CC	TR Transf	To 2200-2405.000	FFIGUERO20131 031110123160
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			031110123100
2009 Total	-331	-21	0	-3.0			
2010	-331	-21	0	-3.0 CC	TR Transf	To 2200-2405.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	f 2013			031111317563
2010	-331	-21	0	-3.0 CC	TR Transf	To 2200-2405.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			031111540997
2010 Total	-662	-42	0	-6.0			
2011	-331	-21	0	-3.0 CC	TR Transf	To 2200-2405.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			101095450973
2011 Total	-331	-21	0	-3.0			
2012	-380	-24	0	-3.0 CC	TR Transf	To 2200-2405.000	FFIGUERO20131 101095603390
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			

INFORMATION TECHNOLOGY
Stephen J. Mikovits
A. Applications
1. Applications
2100-3080.000 - MAJOR MARKETS & CUSTOMER SELF SERVICE

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>	
2012 Total	-380	-24	0	-3.0				
2013 Total	0	0	0	0.0				

Beginning of Workpaper 2100-3082.000 - SCG CUSTOMER INFORMATION SYSTEMS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3082.000 - SCG CUSTOMER INFORMATION SYSTEMS

#### **Activity Description:**

This cost center provides maintenance and enhancement programming support of finance, collections, revenue reporting and and billing functions of SoCalGas Customer Information system.

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### N/A

### Summary of Results:

[	In 2013\$ (000) Incurred Costs								
		Adju	isted-Recor	ded		Adjusted-Forecast			
Years	2009	2010	2011	2012	2013	2014	2015	2016	
Labor	789	950	110	494	-3	-3	-3	-3	
Non-Labor	40	246	562	472	53	53	53	53	
NSE	0	0	0	0	0	0	0	0	
Total	829	1,197	672	966	50	50	50	50	
FTE	9.3	11.1	3.8	7.2	0.0	0.0	0.0	0.0	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3082.000 - SCG CUSTOMER INFORMATION SYSTEMS

### Cost Center Allocations (Incurred Costs):

		2013 Adju	sted-Reco	rded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	-5	8	0	3	-0.05	-5	8	0	3	-0.05
Directly Allocated	0	0	0	0	0.00	0	0	0	0	-0.01
Subj. To % Alloc.	2	46	0	48	0.02	2	46	0	48	0.02
Total Incurred	-3	54	0	51	-0.03	-3	54	0	51	-0.04
% Allocation										
Retained	0.00%	0.00%				0.00%	0.00%			
SEU	100.00%	100.00%				100.00%	100.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	-5	8	0	3	-0.05	-5	8	0	3	-0.05
Directly Allocated	0	0	0	0	-0.01	0	0	0	0	-0.01
Subj. To % Alloc.	2	46	0	48	0.02	2	46	0	48	0.02
Total Incurred	-3	54	0	51	-0.04	-3	54	0	51	-0.04
% Allocation										
Retained	0.00%	0.00%				0.00%	0.00%			
SEU	100.00%	100.00%				100.00%	100.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

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

#### **Cost Center Allocation Percentage for 2013**

This cost center supports the SCG Gas Customer Information System (CIS). These systems are used exclusively by SCG employees for SCG customers.

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

This cost center supports the SCG Gas Customer Information System (CIS). These systems are used exclusively by SCG employees for SCG customers.

#### **Cost Center Allocation Percentage for 2015**

This cost center supports the SCG Gas Customer Information System (CIS). These systems are used exclusively by SCG employees for SCG customers.

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

This cost center supports the SCG Gas Customer Information System (CIS). These systems are used exclusively by SCG employees for SCG customers.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3082.000 - SCG CUSTOMER INFORMATION SYSTEMS

### Forecast Summary:

In 2013 \$(000) Incurred Costs										
Forecast Method Base Forecast				Forec	ast Adjust	tments	Adjusted-Forecast			
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	-3	-3	-3	0	0	0	-3	-3	-3
Non-Labor	Base YR Rec	53	53	53	0	0	0	53	53	53
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	50	50	50	0	0	0	50	50	50
FTE	Base YR Rec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	etment Deteiler									

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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3082.000 - SCG CUSTOMER INFORMATION SYSTEMS

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

etermination of Adjusted	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	1,545	1,686	1,818	1,429	-3
Non-Labor	76	269	616	506	53
NSE	0	0	0	0	0
Total	1,620	1,955	2,434	1,935	51
FTE	17.0	18.5	19.3	15.2	0.0
djustments (Nominal \$) **					
Labor	-920	-920	-1,725	-1,005	0
Non-Labor	-39	-39	-75	-42	0
NSE	0	0	0	0	0
Total	-959	-959	-1,800	-1,047	0
FTE	-9.0	-9.0	-16.0	-9.0	0.0
Recorded-Adjusted (Nomin	al \$)				
Labor	624	766	92	424	-3
Non-Labor	37	230	541	464	53
NSE	0	0	0	0	0
Total	661	996	633	888	51
FTE	8.0	9.5	3.3	6.2	0.0
acation & Sick (Nominal \$	5)				
Labor	96	122	14	61	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	96	122	14	61	0
FTE	1.3	1.6	0.5	1.0	0.0
scalation to 2013\$					
Labor	68	63	4	8	0
Non-Labor	3	16	21	8	0
NSE	0	0	0	0	0
Total	72	79	25	16	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	789	950	110	494	-3
Non-Labor	40	246	562	472	53
NSE	0	0	0	0	0
Total	829	1,197	672	966	50
FTE	9.3	11.1	3.8	7.2	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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3082.000 - SCG CUSTOMER INFORMATION SYSTEMS

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs										
Years	Years 2009 2010 2011 2012 2013									
Labor	-920	-920	-1,725	-1,005	0					
Non-Labor	-39	-39	-75	-42	0					
NSE	0	0	0	0	0					
Total	-959	-959	-1,800	-1,047	0					
FTE	-9.0	-9.0	-16.0	-9.0	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	<u>RefID</u>				
2009	-641	-30	0	-6.0 CC	CTR Transf	To 2200-2451.000	FFIGUERO20131 031112002920				
IT Employee											
2009	-200	-6	0	-2.0 CC	CTR Transf	To 2200-2452.000	FFIGUERO20131 105153007700				
IT Employee Transfer from SDGE to SCG as of 2013 Zero out 2010 thru 2013: GRID 2009 Data is Zero Per Finance/delete entries from 2100-4001 for 2010 thru 2013 Entries will now appear in cctr 2100-3082 from 2009 to 2013											
2009	-79	-3	0	-1.0 CC	CTR Transf	To 2200-2047.000	FFIGUERO20131				
Zero out 2010 Per Finance/d	Transfer from S ) thru 2013: GR lelete entries fr w appear in cc	ID 2009 Da om 2100-40	ta is Ze 03 for	ero 2010 thru			105154218113				
2009 Total	-920	-39	0	-9.0							
2010	-641	-30	0	-6.0 CC	CTR Transf	To 2200-2451.000	FFIGUERO20131				
IT Employee	Transfer from S	DGE to SC	G as o	f 2013			031112101933				
2010	-200	-6	0	-2.0 CC	CTR Transf	To 2200-2452.000	FFIGUERO20131				
Zero out 2010 Per Finance/d	IT Employee Transfer from SDGE to SCG as of 2013 Zero out 2010 thru 2013: GRID 2009 Data is Zero Per Finance/delete entries from 2100-4001 for 2010 thru 2013 Entries will now appear in cctr 2100-3082 from 2009 to 2013										

Area: Witness: Category: Category-Sub:	Steph A. App 1. App	RMATION TE en J. Mikovits plications plications							
Cost Center:					R INFORMATION				
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>		
Zero out 20 <sup>2</sup> Per Finance	10 thru 2013 /delete entri	-3 om SDGE to S : GRID 2009 I es from 2100- in cctr 2100-30	Data is Z 4003 for	of 2013 ero 2010 th		To 2200-2047.000	FFIGUERO20131 105154247810		
2010 Total	-920	-39	0	-9.0					
2011 IT Employee	-641 e Transfer fro	-30 om SDGE to S	0 SCG as o		CCTR Transf	To 2200-2451.000	FFIGUERO20131 031112144720		
2011	-641	-30	0	-6.0	CCTR Transf	To 2200-2451.000	FFIGUERO20131		
IT Employee	e Transfer fro	om SDGE to S	SCG as o	of 2013			031112232487		
2011	-285	-9	0	-2.0	CCTR Transf	To 2200-2452.000	FFIGUERO20131		
Zero out 20 <sup>2</sup> Per Finance	10 thru 2013 /delete entri	om SDGE to S : GRID 2009 I es from 2100- in cctr 2100-30	Data is Z 4001 for	ero 2010 tł			105153443183		
2011	-79	-3	0	-1.0	CCTR Transf	To 2200-2047.000	FFIGUERO20131		
105154317213 IT Employee Transfer from SDGE to SCG as of 2013 Zero out 2010 thru 2013: GRID 2009 Data is Zero Per Finance/delete entries from 2100-4003 for 2010 thru 2013 Entries will now appear in cctr 2100-3082 from 2009 to 2013									
2011	-79	-3	0	-1.0	CCTR Transf	To 2200-2047.000	FFIGUERO20131 105154607187		
Duplicate Er	ntry Error								
2011 Total	-1,725	-75	0	-16.0					
2012 IT Employee	-641 e Transfer fro	-30 om SDGE to S	0 SCG as o		CCTR Transf	To 2200-2451.000	FFIGUERO20131 031112327313		

Area: Witness: Category: Category-Sub: Cost Center:	Steph A. Ap 1. Ap	RMATION TE nen J. Mikovits plications plications -3082.000 - S	3			SYSTEMS	
<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	NSE	<u>FTE</u>	<u>Adj Type</u>	From CCtr	RefID
Zero out 20 Per Finance	-285 e Transfer fr 010 thru 2013 e/delete entri now appear	To 2200-2452.000	FFIGUERO20131 105153529347				
Zero out 20	)10 thru 2013	-3 om SDGE to 3: GRID 2009	Data is Z	of 2013 ero	CCTR Transf	To 2200-2047.000	FFIGUERO20131 105154347990

Per Finance/delete entries from 2100-4003 for 2010 thru 2013 Entries will now appear in cctr 2100-3082 from 2009 to 2013

2012 Total	-1,005	-42	0	-9.0

2013 Total	0	0	0	0.0
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Beginning of Workpaper 2100-3083.000 - SCG CUSTOMER FIELD

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3083.000 - SCG CUSTOMER FIELD

#### **Activity Description:**

Provide maintenance and enhancement programming support of automated dispatch, routing and scheduling systems for SoCalGas customer service orders. Systems supported - PACER, MCS. and Amigo - Maintenance, Enhancements and Upgrades.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

### Summary of Results:

	In 2013\$ (000) Incurred Costs												
		Adju	isted-Recor	ded		Ad	justed-Fored	cast					
Years	2009	2010	2011	2012	2013	2014	2015	2016					
Labor	778	870	722	201	-2	-2	-2	-2					
Non-Labor	-1	13	227	61	0	0	0	0					
NSE	0	0	0	0	0	0	0	0					
Total	778	883	949	262	-2	-2	-2	-2					
FTE	8.8	10.1	8.2	2.2	0.0	0.0	0.0	0.0					

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3083.000 - SCG CUSTOMER FIELD

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

	2013 Adjusted-Recorded					2014 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	-2	0	0	-2	-0.01	-2	0	0	-2	-0.01
Total Incurred	-2	0	0	-2	-0.01	-2	0	0	-2	-0.01
% Allocation										
Retained	0.00%	0.00%				0.00%	0.00%			
SEU	100.00%	100.00%				100.00%	100.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast					2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	-2	0	0	-2	-0.01	-2	0	0	-2	-0.01
Total Incurred	-2	0	0	-2	-0.01	-2	0	0	-2	-0.01
% Allocation										
Retained	0.00%	0.00%				0.00%	0.00%			
SEU	100.00%	100.00%				100.00%	100.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

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

#### **Cost Center Allocation Percentage for 2013**

This cost center supports the SCG Routing & Dispatch systems: PACER, MCS and Amigo, which are for capital work by applications used by SCG only.

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

This cost center supports the SCG Routing & Dispatch systems: PACER, MCS and Amigo, which are for capital work by applications used by SCG only.

#### **Cost Center Allocation Percentage for 2015**

This cost center supports the SCG Routing & Dispatch systems: PACER, MCS and Amigo, which are for capital work by applications used by SCG only.

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

This cost center supports the SCG Routing & Dispatch systems: PACER, MCS and Amigo, which are for capital work by applications used by SCG only.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3083.000 - SCG CUSTOMER FIELD

### Forecast Summary:

	In 2013 \$(000) Incurred Costs												
Forecast	t Method	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjus	ted-Forec	ast			
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016			
Labor	Base YR Rec	-2	-2	-2	0	0	0	-2	-2	-2			
Non-Labor	Base YR Rec	0	0	0	0	0	0	0	0	0			
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0			
Tota	I	-2	-2	-2	0	0	0	-2	-2	-2			
FTE	Base YR Rec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	etment Deteiler												

Forecast Adjustment Details:

Year/Expl.	Labor	<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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3083.000 - SCG CUSTOMER FIELD

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

····,···	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	915	1,000	905	472	-2
Non-Labor	15	27	234	45	0
NSE	0	0	0	0	0
Total	930	1,028	1,139	517	-2
FTE	10.5	11.6	10.1	4.9	0.0
djustments (Nominal \$) *	*				
Labor	-299	-299	-299	-299	0
Non-Labor	-15	-15	-15	15	0
NSE	0	0	0	0	0
Total	-314	-314	-314	-284	0
FTE	-3.0	-3.0	-3.0	-3.0	0.0
ecorded-Adjusted (Nomir	nal \$)				
Labor	616	701	605	173	-2
Non-Labor	0	12	219	60	0
NSE	0	0	0	0	0
Total	615	713	824	233	-2
FTE	7.5	8.6	7.1	1.9	0.0
acation & Sick (Nominal S	\$)				
Labor	95	112	89	25	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	95	112	89	25	0
FTE	1.3	1.5	1.2	0.3	0.0
scalation to 2013\$					
Labor	67	57	27	3	0
Non-Labor	0	1	9	1	0
NSE	0	0	0	0	0
Total	67	58	36	4	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	ant 2013\$)				
Labor	778	870	722	201	-2
Non-Labor	-1	13	227	61	0
NSE	0	0	0	0	0
Total	778	883	949	262	-2
FTE	8.8	10.1	8.3	2.2	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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3083.000 - SCG CUSTOMER FIELD

## Summary of Adjustments to Recorded:

		In Nominal \$ (000)	Incurred Costs		
Years	2009	2010	2011	2012	2013
Labor	-299	-299	-299	-299	0
Non-Labor	-15	-15	-15	15	0
NSE	0	0	0	0	0
Total	-314	-314	-314	-284	0
FTE	-3.0	-3.0	-3.0	-3.0	0.0

## Detail of Adjustments to Recorded:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE Ad</u>	<u>ij Type</u> Fro	om CCtr	<u>RefID</u>
2009	-299	-15	0	-3.0 CCTR T	ransf To 22	00-2451.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	f 2013			031113955710
2009 Total	-299	-15	0	-3.0			
2010	-299	-15	0	-3.0 CCTR T	ransf To 22	00-2451.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			031114143000
2010 Total	-299	-15	0	-3.0			
2011	-299	-15	0	-3.0 CCTR T	ransf To 22	00-2451.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			031114230427
2011 Total	-299	-15	0	-3.0			
2012	-299	15	0	-3.0 CCTR T	ransf To 22	00-2451.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			031114312693
2012 Total	-299	15	0	-3.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3083.000 - SCG CUSTOMER FIELD

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

Beginning of Workpaper 2100-3086.000 - CUSTOMER ASSISTANCE AND RELATIONSHIP

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3086.000 - CUSTOMER ASSISTANCE AND RELATIONSHIP

### **Activity Description:**

Maintenance and enhancement programming support of technical framework associated with Customer Relationship Management (CRM). Supports SCG Mobile Application. My Account SDG&E, and a host of microsites like IEBMS, SDG&E Mobile Application.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### NSE - Base YR Rec

NA

### Summary of Results:

Γ				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	318	260	285	452	488	488	488	488
Non-Labor	-161	92	114	605	365	365	365	365
NSE	0	0	0	0	0	0	0	0
Total	156	353	398	1,057	853	853	853	853
FTE	4.3	2.8	3.1	5.0	4.6	4.6	4.6	4.6

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3086.000 - CUSTOMER ASSISTANCE AND RELATIONSHIP

### Cost Center Allocations (Incurred Costs):

[		2013 Adju	sted-Reco	orded			2014 Adju	usted-Fore	cast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	41	95	0	136	0.48	41	95	0	136	0.48
Directly Allocated	5	0	0	5	0.05	5	0	0	5	0.05
Subj. To % Alloc.	442	270	0	712	4.07	442	270	0	712	4.07
Total Incurred	488	365	0	853	4.60	488	365	0	853	4.60
% Allocation										
Retained	84.39%	84.39%				84.39%	84.39%			
SEU	15.61%	15.61%				15.61%	15.61%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	sted-Fore	cast			2016 Adju	sted-Fore	cast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	41	95	0	136	0.48	41	95	0	136	0.48
Directly Allocated	5	0	0	5	0.05	5	0	0	5	0.05
Subj. To % Alloc.	442	270	0	712	4.07	442	270	0	712	4.07
Total Incurred	488	365	0	853	4.60	488	365	0	853	4.60
% Allocation										
Retained	84.39%	84.39%				84.39%	84.39%			
SEU	15.61%	15.61%				15.61%	15.61%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

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

#### **Cost Center Allocation Percentage for 2013**

Current year budgeted activities as it most accurately represents the allocation rates for this cost center.

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

Current year budgeted activities as it most accurately represents the allocation rates for this cost center.

#### **Cost Center Allocation Percentage for 2015**

Current year budgeted activities as it most accurately represents the allocation rates for this cost center.

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

Current year budgeted activities as it most accurately represents the allocation rates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3086.000 - CUSTOMER ASSISTANCE AND RELATIONSHIP

### Forecast Summary:

	In 2013 \$(000) Incurred Costs											
l-Forecast	sted-For	Adjus	ments	ast Adjust	Forec	st	se Foreca	Bas	t Method	Forecast		
2015 2016	2015	2014	2016	2015	2015	2014	2016	2015	2014	5	Years	
488 488	48	488	0	0	0	488 488	488	R Rec 488 48	Base YR Rec	Labor		
365 365	36	365	0	0	0	365	365	365	Base YR Rec	Non-Labor		
0 0		0	0	0	0	0	0	0	Base YR Rec	NSE		
853 853	85	853	0	0	0	853	853	853	d	Tota		
4.6 4.6	4.	4.6	0.0	0.0	0.0	4.6	4.6	4.6	Base YR Rec	FTE		
			-	•	-							

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3086.000 - CUSTOMER ASSISTANCE AND RELATIONSHIP

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	291	261	301	450	421
Non-Labor	165	92	118	604	365
NSE	0	0	0	0	0
Total	455	353	419	1,054	786
FTE	3.2	2.4	2.6	4.3	3.9
djustments (Nominal \$) **					
Labor	-39	-52	-62	-62	0
Non-Labor	-312	-6	-9	-9	0
NSE	0	0	0	0	0
Total	-351	-58	-71	-71	0
FTE	0.4	0.0	0.0	0.0	0.0
Recorded-Adjusted (Nomin	al \$)				
Labor	251	210	239	388	421
Non-Labor	-147	86	109	595	365
NSE	0	0	0	0	0
Total	104	296	348	983	786
FTE	3.6	2.4	2.6	4.3	3.9
acation & Sick (Nominal \$	<b>)</b>				
Labor	39	33	35	56	67
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	39	33	35	56	67
FTE	0.6	0.4	0.4	0.7	0.7
scalation to 2013\$					
Labor	28	17	11	8	0
Non-Labor	-14	6	4	10	0
NSE	0	0	0	0	0
Total	14	23	15	18	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	318	260	285	452	488
Non-Labor	-161	92	114	605	365
NSE	0	0	0	0	0
Total	156	353	398	1,057	853
FTE	4.2	2.8	3.0	5.0	4.6

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

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

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3086.000 - CUSTOMER ASSISTANCE AND RELATIONSHIP

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs								
Years	<u>2009</u> <u>2010</u> <u>2011</u> <u>2012</u> <u>2013</u>							
Labor	-39	-52	-62	-62	0			
Non-Labor	-312	-6	-9	-9	0			
NSE	0	0	0	0	0			
Total	-351	-58	-71	-71	0			
FTE	0.4	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	<u>RefID</u>
2009	-42	-3	0	0.0 CC	TR Transf	To 2200-2405.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to S	CG as of	2013			031115221130
2009	-10	-3	0	0.0 CC	TR Transf	To 2200-2468.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to S	CG as of	2013			031115706627
2009	12	-306	0	0.4 1-S	ided Adj	N/A	LBROUGH201311
Adjust to 2013	3 Outlook (a	is of Nov, 201	13)				22145638913
2009 Total	-39	-312	0	0.4			
2010	-42	-3	0	0.0 CC <sup>.</sup>	TR Transf	To 2200-2405.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to S	CG as of	2013			031115309610
2010	-10	-3	0		TR Transf	To 2200-2468.000	FFIGUERO20131
IT Employee	Transfer fro	-	CC as of	2013			031115920343
2010 Total	-52	-6	0	0.0			
2011	-42	-3	0	0.0 CC	TR Transf	To 2200-2405.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to S	CG as of	2013			031115345383

Note: Totals may include rounding differences.

Area: Witness: Category: Category-Sub: Cost Center:	Steph A. App 1. App	RMATION TE en J. Mikovit blications lications 3086.000 - C	S		E AND F	RELATIONSHIP	
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE Ad</u>	<u>j Type</u>	From CCtr	RefID
2011	-20	-6	0	0.0 CCTR 1	Fransf	To 2200-2468.000	FFIGUERO20131 101101030463
IT Employe	e Transfer fro	om SDGE to	SCG as o	f 2013			101101030400
2011 Total	-62	-9	0	0.0			
2012	-42	-3	0	0.0 CCTR 1	Transf	To 2200-2405.000	FFIGUERO20131
		-			Tansi	10 2200-2403.000	101100730283
IT Employe	e Transfer fro	om SDGE to	SCG as o	f 2013			
2012	-20	-6	0	0.0 CCTR 1	Fransf	To 2200-2468.000	FFIGUERO20131
IT Employe	e Transfer fro	om SDGE to	SCG as o	f 2013			101101219313
2012 Total	-62	-9	0	0.0			
2013 Total	0	0	0	0.0			

Beginning of Workpaper 2100-3087.000 - UTILITY OPS SW DEVELOP SERVICES DIRECTOR

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub1. ApplicationsCost Center:2100-3087.000 - UTILITY OPS SW DEVELOP SERVICES DIRECTOR

#### **Activity Description:**

This cost center includes the labor and associated non labor for the Director of SDGE Application Services

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

#### NA

#### Summary of Results:

Γ				ln 2013\$ (00	0) Incurred (	Costs		
		Adju	isted-Recor	Ad	justed-Fore	cast		
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	150	362	125	106	375	375	556	737
Non-Labor	22	-6	41	47	27	27	57	87
NSE	0	0	0	0	0	0	0	0
Total	172	356	165	153	402	402	613	824
FTE	1.3	-2.1	1.1	0.8	3.0	3.0	4.8	6.6

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3087.000 - UTILITY OPS SW DEVELOP SERVICES DIRECTOR

### Cost Center Allocations (Incurred Costs):

	2013 Adjusted-Recorded						2014 Adju	usted-Fore	cast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	5	0	0	5	0.00	5	0	0	5	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	370	27	0	397	3.00	370	27	0	397	3.00
Total Incurred	375	27	0	402	3.00	375	27	0	402	3.00
% Allocation										
Retained	97.88%	97.88%				97.88%	97.88%			
SEU	2.12%	2.12%				2.12%	2.12%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast						2016 Adju	sted-Fore	cast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	5	0	0	5	0.00	5	0	0	5	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	551	57	0	608	4.80	732	87	0	819	6.60
Total Incurred	556	57	0	613	4.80	737	87	0	824	6.60
% Allocation										
Retained	97.88%	97.88%				97.88%	97.88%			
SEU	2.12%	2.12%				2.12%	2.12%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

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

#### Cost Center Allocation Percentage for 2013

Weighted average of department cost centers. This is the director's cost center which supports the entire organization.

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

Weighted average of department cost centers. This is the director's cost center which supports the entire organization.

#### **Cost Center Allocation Percentage for 2015**

Weighted average of department cost centers. This is the director's cost center which supports the entire organization.

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

Weighted average of department cost centers. This is the director's cost center which supports the entire organization.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3087.000 - UTILITY OPS SW DEVELOP SERVICES DIRECTOR

### Forecast Summary:

			In 201	3 \$(000) Ir	ncurred Co	sts				
Forecas	t Method	Ba	se Foreca	st	Forec	ast Adjust	tments	Adjus	ted-Forec	ast
Years	S	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	375	375	375	0	181	362	375	556	737
Non-Labor	Base YR Rec	27	27	27	0	30	60	27	57	87
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	l	402	402	402	0	211	422	402	613	824
FTE	Base YR Rec	3.0	3.0	3.0	0.0	1.8	3.6	3.0	4.8	6.6
Forecast Adjustment Details:										
Voor/Evol Lobor Nilbr NSE Total ETE Adi Tuna										

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

2015	181	30	0	211	1.8	1-Sided Adj
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2.9 incremental FTEs to support new IT initiatives across the company in 2015 and in 2016. Assumes 62% O&C ratio and \$100k average salary plus \$10k per employee (3 employees) in associated NL costs.

Incremental Employee requirements were estimated to be 15 headcount across the IT Division in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

2015 Total	181	30	0	211	1.8			
2016	181	30	0	211	1.8 1-Sided Adj			
2.9 incremental FTEs to support new IT initiatives across the company in 2015 and in 2016. Assumes 62% O&C ratio and \$100k average salary plus \$10k per employee (3 employees) in associated NL costs.								
Incremental Employee requirements were estimated to be 15 headcount across the IT DIvision in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.								
2016	181	30	0	211	1.8 1-Sided Adj			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3087.000 - UTILITY OPS SW DEVELOP SERVICES DIRECTOR

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
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2.9 incremental FTEs to support new IT initiatives across the company in 2015 and in 2016. Assumes 62% O&C ratio and \$100k average salary plus \$10k per employee (3 employees) in associated NL costs.

Incremental Employee requirements were estimated to be 15 headcount across the IT Division in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3087.000 - UTILITY OPS SW DEVELOP SERVICES DIRECTOR

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	119	65	104	91	324
Non-Labor	20	18	39	47	27
NSE	0	0	0	0	0
Total	139	83	144	137	350
FTE	1.1	0.6	0.9	0.6	2.6
djustments (Nominal \$) *	*				
Labor	0	227	0	0	0
Non-Labor	0	-24	0	0	0
NSE	0	0	0	0	0
Total	0	203	0	0	0
FTE	0.0	-2.4	0.0	0.0	0.0
ecorded-Adjusted (Nomin	nal \$)				
Labor	119	292	104	91	324
Non-Labor	20	-5	39	47	27
NSE	0	0	0	0	0
Total	139	286	144	137	350
FTE	1.1	-1.8	0.9	0.6	2.6
acation & Sick (Nominal	\$)				
Labor	18	46	15	13	51
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	18	46	15	13	51
FTE	0.2	-0.3	0.1	0.1	0.4
scalation to 2013\$					
Labor	13	24	5	2	0
Non-Labor	2	0	2	1	0
NSE	0	0	0	0	0
Total	15	24	6	3	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	150	362	125	106	375
Non-Labor	22	-6	41	47	27
NSE	0	0	0	0	0
Total	172	356	165	153	402
FTE	1.3	-2.1	1.0	0.7	3.0

\* 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3087.000 - UTILITY OPS SW DEVELOP SERVICES DIRECTOR

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs								
Years	2009	2010	2011	2012	2013			
Labor	0	227	0	0	0			
Non-Labor	0	-24	0	0	0			
NSE	0	0	0	0	0			
Total	0	203	0	0	0			
FTE	0.0	-2.4	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	<u>RefID</u>
2009 Total	0	0	0	0.0			
2010	227	-24	0	-24 1-9	Sided Adj	N/A	LBROUGH201311
							22145953743
Adjust to 2013	3 Outlook (as	s of Nov, 201	13)				
2010 Total	227	-24	0	-2.4			
2011 Total	0	0	0	0.0			
2012 Total	0	0	0	0.0			
2013 Total	0	0	0	0.0			

Beginning of Workpaper 2100-3088.000 - SOFTWARE DEV - WORK MEAS SYSTEMS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3088.000 - SOFTWARE DEV - WORK MEAS SYSTEMS

### **Activity Description:**

This cost center represents support services for a broad range of client organizations, including: Gas Operations / Distribution, Construction, Generation and Environmental Services. The application services are based on several enterprise systems, including: SAP Plant Maintenance and Click Scheduling and Mobility. In addition, the legacy support services include Distribution Planning Scheduling System (DPSS).

### Forecast Explanations:

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

#### Summary of Results:

Г	In 2013\$ (000) Incurred Costs											
[		Adju	isted-Recor	Ad	Adjusted-Forecast							
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	162	-371	120	195	158	158	158	158				
Non-Labor	190	52	170	78	30	30	30	30				
NSE	0	0	0	0	0	0	0	0				
Total	352	-318	290	274	188	188	188	188				
FTE	3.7	-2.0	2.1	2.1	1.6	1.6	1.6	1.6				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3088.000 - SOFTWARE DEV - WORK MEAS SYSTEMS

## Cost Center Allocations (Incurred Costs):

	2013 Adjusted-Recorded						2014 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE	
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00	
Directly Allocated	0	1	0	1	0.00	0	1	0	1	0.00	
Subj. To % Alloc.	158	29	0	187	1.59	158	29	0	187	1.59	
Total Incurred	158	30	0	188	1.59	158	30	0	188	1.59	
% Allocation											
Retained	44.32%	44.32%				44.45%	44.45%				
SEU	55.68%	55.68%				55.55%	55.55%				
CORP	0.00%	0.00%				0.00%	0.00%				
Unreg	0.00%	0.00%				0.00%	0.00%				
		2015 Adjus	sted-Fore	cast			2016 Adjı	usted-Fore	cast		

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	1	0	1	0.00	0	1	0	1	0.00
Subj. To % Alloc.	158	29	0	187	1.59	158	29	0	187	1.59
Total Incurred	158	30	0	188	1.59	158	30	0	188	1.59
% Allocation										
Retained	44.45%	44.45%				44.45%	44.45%			
SEU	55.55%	55.55%				55.55%	55.55%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub:1. ApplicationsCost Center:2100-3088.000 - SOFTWARE DEV - WORK MEAS SYSTEMS

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Allocations are based on a labor study of applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. The applications are spilt across BU's based on assumptions. A labor study of applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

### Cost Center Allocation Percentage for 2014

Allocations are based on a labor study of applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. The applications are spilt across BU's based on assumptions. A labor study of applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

### Cost Center Allocation Percentage for 2015

Allocations are based on a labor study of applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. The applications are spilt across BU's based on assumptions. A labor study of applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

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

Allocations are based on a labor study of applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. The applications are spilt across BU's based on assumptions. A labor study of applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3088.000 - SOFTWARE DEV - WORK MEAS SYSTEMS

### Forecast Summary:

			In 201	3 \$(000) Ir	curred Co	sts				
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjust	ments	Adjus	ted-Forec	ast
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	158	158	158	0	0	0	158	158	158
Non-Labor	Base YR Rec	30	30	30	0	0	0	30	30	30
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	al	188	188	188	0	0	0	188	188	188
FTE	Base YR Rec	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6

### Forecast Adjustment Details:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3088.000 - SOFTWARE DEV - WORK MEAS SYSTEMS

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

·····	a-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	826	399	855	989	136
Non-Labor	204	79	197	113	30
NSE	0	0	0	0	0
Total	1,030	478	1,052	1,102	166
FTE	9.1	4.3	8.8	9.8	1.4
djustments (Nominal \$) *	*				
Labor	-698	-698	-754	-821	0
Non-Labor	-30	-30	-33	-36	0
NSE	0	0	0	0	0
Total	-728	-728	-787	-857	0
FTE	-6.0	-6.0	-7.0	-8.0	0.0
ecorded-Adjusted (Nomi	nal \$)				
Labor	128	-299	101	168	136
Non-Labor	174	49	164	77	30
NSE	0	0	0	0	0
Total	302	-250	265	245	166
FTE	3.1	-1.7	1.8	1.8	1.4
acation & Sick (Nominal	\$)				
Labor	20	-48	15	24	22
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	20	-48	15	24	22
FTE	0.5	-0.3	0.3	0.3	0.2
scalation to 2013\$					
Labor	14	-25	4	3	0
Non-Labor	16	3	6	1	0
NSE	0	0	0	0	0
Total	30	-21	11	5	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	162	-371	120	195	158
Non-Labor	190	52	170	78	30
NSE	0	0	0	0	0
Total	352	-318	290	274	188
FTE	3.6	-2.0	2.1	2.1	1.6

\* 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3088.000 - SOFTWARE DEV - WORK MEAS SYSTEMS

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs									
Years	2009	2010	2011	2012	2013				
Labor	-698	-698	-754	-821	0				
Non-Labor	-30	-30	-33	-36	0				
NSE	0	0	0	0	0				
Total	-728	-728	-787	-857	0				
FTE	-6.0	-6.0	-7.0	-8.0	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	<u>RefID</u>
2009	-698	-30	0	-6.0 CC	TR Transf	To 2200-2445.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031121705673
2009 Total	-698	-30	0	-6.0			
2010	-698	-30	0	-6.0 CC	TR Transf	To 2200-2445.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031122049517
2010 Total	-698	-30	0	-6.0			
2011	-754	-33	0	-7.0 CC	TR Transf	To 2200-2445.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031122157597
2011 Total	-754	-33	0	-7.0			
2012	-821	-36	0	-8.0 CC	TR Transf	To 2200-2445.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031122351440
2012 Total	-821	-36	0	-8.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3088.000 - SOFTWARE DEV - WORK MEAS SYSTEMS

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

Beginning of Workpaper 2100-3089.000 - BUSINESS INTELLIGENCE GROUP

Area:	INFORMATION TECHNOLOGY					
Witness:	Stephen J. Mikovits					
Category:	A. Applications					
Category-Sub	1. Applications					
Cost Center:	2100-3089.000 - BUSINESS INTELLIGENCE GROUP					

### **Activity Description:**

This cost center supports IT business Intelligence, including enterprise-wide software support, BI strategy and project services, as well as project management

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### NA

Summary of Results:

	In 2013\$ (000) Incurred Costs									
		Adju	isted-Recor	Ad	Adjusted-Forecast					
Years	2009 2010 2011 2012				2013	2014	2016			
Labor	783	899	991	696	772	772	772	772		
Non-Labor	137	19	60	170	221	221	221	221		
NSE	0	0 0		0	0	0	0	0		
Total	920	918	1,051	865	993	993	993	993		
FTE	7.6	8.8	9.5	8.8	7.3	7.3	7.3	7.3		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3089.000 - BUSINESS INTELLIGENCE GROUP

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

		2013 Adju	sted-Reco	rded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	3	-1	0	2	0.02	3	-1	0	2	0.02
Directly Allocated	-3	7	0	4	-0.02	-3	7	0	4	-0.02
Subj. To % Alloc.	772	215	0	987	7.33	772	215	0	987	7.33
Total Incurred	772	221	0	993	7.33	772	221	0	993	7.33
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	3	-1	0	2	0.02	3	-1	0	2	0.02
Directly Allocated	-3	7	0	4	-0.02	-3	7	0	4	-0.02
Subj. To % Alloc.	772	215	0	987	7.33	772	215	0	987	7.33
Total Incurred	772	221	0	993	7.33	772	221	0	993	7.33
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY						
Witness:	Stephen J. Mikovits						
Category:	A. Applications						
Category-Sub:	1. Applications						
Cost Center:	2100-3089.000 - BUSINESS INTELLIGENCE GROUP						

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2015

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY					
Witness:	Stephen J. Mikovits					
Category:	A. Applications					
Category-Sub:	1. Applications					
Cost Center:	2100-3089.000 - BUSINESS INTELLIGENCE GROUP					

### Forecast Summary:

			In 201	3 \$(000) Ir	ncurred Co	sts						
Forecas	t Method	Ba	se Foreca	st	Forec	ast Adjusti	ments	Adjusted-Forecast				
Year	s	2014	2015	2016	2014	2015	2016	2014 2015 2016				
Labor	Base YR Rec	772	772	772	0	0	0	772	772	772		
Non-Labor	Base YR Rec	221	221	221	0	0	0	221	221	221		
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0		
Tota	al	993	993	993	0	0	0	993	993	993		
FTE	Base YR Rec	7.3	7.3	7.3	0.0	0.0	0.0	7.3	7.3	7.3		
orecast Adju	precast Adjustment Details:											
Year/Ex	nl Labo	r I	NI br	NSF	Total	FTF	∆di Tvr	0				

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
2014 Total	0	0	0	0	0.0	
2015 Total	0	0	0	0	0.0	
2016 Total	0	0	0	0	0.0	
2010 10101	U	U	U	U	0.0	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3089.000 - BUSINESS INTELLIGENCE GROUP

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

·····,	d-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
corded (Nominal \$)*					
Labor	961	1,065	1,172	991	667
Non-Labor	149	42	82	557	221
NSE	0	0	0	0	0
Total	1,109	1,107	1,254	1,548	887
FTE	9.5	10.5	11.2	9.4	6.2
djustments (Nominal \$) *'	*				
Labor	-341	-341	-341	-394	0
Non-Labor	-24	-24	-24	-390	0
NSE	0	0	0	0	0
Total	-365	-365	-365	-784	0
FTE	-3.0	-3.0	-3.0	-1.8	0.0
ecorded-Adjusted (Nomir	nal \$)				
Labor	620	724	831	597	667
Non-Labor	125	18	58	167	221
NSE	0	0	0	0	0
Total	745	742	889	764	887
FTE	6.5	7.5	8.2	7.6	6.2
acation & Sick (Nominal S	\$)				
Labor	96	115	122	87	106
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	96	115	122	87	106
FTE	1.1	1.3	1.3	1.2	1.1
scalation to 2013\$					
Labor	68	59	37	12	0
Non-Labor	12	1	2	3	0
NSE	0	0	0	0	0
Total	80	61	39	15	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	783	899	991	696	772
Non-Labor	137	19	60	170	221
NSE	0	0	0	0	0
Total	920	918	1,051	865	993
FTE	7.6	8.8	9.5	8.8	7.3

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

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

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3089.000 - BUSINESS INTELLIGENCE GROUP

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs										
Years	2009	2010	2011	2012	2013					
Labor	-341	-341	-341	-394	0					
Non-Labor	-24	-24	-24	-390	0					
NSE	0	0	0	0	0					
Total	-365	-365	-365	-784	0					
FTE	-3.0	-3.0	-3.0	-1.8	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	<u>RefID</u>	
2009	-299	-21	0	-3.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131 031123118437	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			001120110101	
2009	-42	-3	0	0.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131	
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			101114814200	
2009 Total	-341	-24	0	-3.0				
2010	-299	-21	0	-3.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131 031123218627	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			001120210021	
2010	-42	-3	0	0.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131 101114858840	
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			101114050040	
2010 Total	-341	-24	0	-3.0				
2011	-299	-21	0	-3.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131 031123321693	
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			031123321093	
2011	-42	-3	0	0.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131	
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			101114929203	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3089.000 - BUSINESS INTELLIGENCE GROUP

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	RefID
2011 Total	-341	-24	0	-3.0			
2012	-299	-21	0	-3.0 (	CCTR Transf	To 2200-2470.000	FFIGUERO20131
IT Employ	ee Transfer fro	om SDGE to	SCG as o	of 2013			031123410370
2012	-42	-3	0	0.0	CCTR Transf	To 2200-2470.000	FFIGUERO20131
IT Employ	ee Transfer fro	om SDGE to	SCG as o	of 2013			101115002737
2012	-53	0	0	1.2	1-Sided Adj	N/A	LBROUGH201311
Adjust to 2	2013 Outlook (	as of Nov, 2	013)				22150200560
2012	0	-366	0	0.0	1-Sided Adj	N/A	LBROUGH201311
	2013 Outlook (		)13)		- · · · <b>,</b>		22150228420
2012 Total	-394	-390	0	-1.8			
2013 Total	0	0	0	0.0			

Beginning of Workpaper 2100-3091.000 - SOFTWARE DEV - DATABASE ADMINISTRATOR

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub1. ApplicationsCost Center:2100-3091.000 - SOFTWARE DEV - DATABASE ADMINISTRATOR

### **Activity Description:**

This cost center provides maintenance and enhancement support for system wide database administration.

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

#### Summary of Results:

[	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	Adjusted-Forecast								
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	1,075	1,046	1,137	1,148	1,299	1,299	1,299	1,299				
Non-Labor	389	394	11	198	3,069	3,257	3,683	4,752				
NSE	0	0	0	0	0	0	0	0				
Total	1,463	1,440	1,148	1,346	4,368	4,556	4,982	6,051				
FTE	10.0	9.6	10.4	10.1	11.0	11.0	11.0	11.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3091.000 - SOFTWARE DEV - DATABASE ADMINISTRATOR

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

		2013 Adju	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	5	0	0	5	0.04	5	0	0	5	0.04
Directly Allocated	0	238	0	238	0.00	0	238	0	238	0.00
Subj. To % Alloc.	1,294	2,831	0	4,125	10.97	1,294	3,019	0	4,313	10.97
Total Incurred	1,299	3,069	0	4,368	11.01	1,299	3,257	0	4,556	11.01
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	5	0	0	5	0.04	5	0	0	5	0.04
Directly Allocated	0	238	0	238	0.00	0	238	0	238	0.00
Subj. To % Alloc.	1,294	3,445	0	4,739	10.97	1,294	4,514	0	5,808	10.97
Total Incurred	1,299	3,683	0	4,982	11.01	1,299	4,752	0	6,051	11.01
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub:1. ApplicationsCost Center:2100-3091.000 - SOFTWARE DEV - DATABASE ADMINISTRATOR

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

The percentage calculation assumptions are based on the total number of LAN login ID's for SDGE, SCG and parent. This cost center provides database administration services for all SDGE, SCG and parent employees. Using LAN login ID counts for each respective company accurately determines the use of services by each company.

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

The percentage calculation assumptions are based on the total number of LAN login ID's for SDGE, SCG and parent. This cost center provides database administration services for all SDGE, SCG and parent employees. Using LAN login ID counts for each respective company accurately determines the use of services by each company.

### Cost Center Allocation Percentage for 2015

The percentage calculation assumptions are based on the total number of LAN login ID's for SDGE, SCG and parent. This cost center provides database administration services for all SDGE, SCG and parent employees. Using LAN login ID counts for each respective company accurately determines the use of services by each company.

### Cost Center Allocation Percentage for 2016

The percentage calculation assumptions are based on the total number of LAN login ID's for SDGE, SCG and parent. This cost center provides database administration services for all SDGE, SCG and parent employees. Using LAN login ID counts for each respective company accurately determines the use of services by each company.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3091.000 - SOFTWARE DEV - DATABASE ADMINISTRATOR

### Forecast Summary:

			In 201	3 \$(000) Ir	ncurred Co	sts				
Foreca	st Method	Base Forecast Forecast Adjustme				nents	Adjus	ted-Forec	ast	
Yea	rs	2014	2015	2016	2014	2015	2016	2014	2015	2016
_abor	Base YR Rec	1,299	1,299	1,299	0	0	0	1,299	1,299	1,299
Non-Labor	Base YR Rec	3,069	3,069	3,069	188	614	1,683	3,257	3,683	4,752
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tot	al	4,368	4,368	4,368	188	614	1,683	4,556	4,982	6,051
-TE	Base YR Rec	11.0	11.0	11.0	0.0	0.0	0.0	11.0	11.0	11.0
orecast Adj	justment Details:	•								
<u>Year/E</u>	<u>xpl. Labo</u>	<u>er 1</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Ty</u>	pe		
2014		0 1	88	0	188	0.0	1-Sided	Adj		
2014	pirations, and busir Total		188	0	188	0.0				
2014	Total	<b>0</b> 1	188	0	188	0.0				
2015		0 6	614	0	614	0.0	1-Sided	Adj		
	% escalation in 201 pirations, and busir			a combina	ation of histo	orical avera	ges, warra	anty		
2015			514	0	614	0.0				
2016		0 6	83	0	683	0.0	1-Sided	Adj		
	% escalation in 201 pirations, and busir			a combina	ation of histo	orical avera	ges, warra	anty		
2016	-		)00	0	1,000	0.0	1-Sided	Adj		
ine ar	stimated contractua cremental maintena nticipated in 2016. ( ganic growth of exis	nce costs to Growth drive	o support t en by busii	he User Li ness expar	cense Agre	ement (ULA	A) extensio			
2016	Total	0 1,6	683	0	1,683	0.0				

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub:1. ApplicationsCost Center:2100-3091.000 - SOFTWARE DEV - DATABASE ADMINISTRATOR

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	1,504	1,580	1,691	1,723	1,121
Non-Labor	382	398	41	225	3,069
NSE	0	0	0	0	0
Total	1,886	1,978	1,732	1,948	4,190
FTE	13.6	14.2	14.9	14.7	9.4
djustments (Nominal \$) *'	*				
Labor	-654	-738	-738	-738	0
Non-Labor	-27	-30	-30	-30	0
NSE	0	0	0	0	0
Total	-681	-768	-768	-768	0
FTE	-5.0	-6.0	-6.0	-6.0	0.0
Recorded-Adjusted (Nomir	nal \$)				
Labor	850	843	953	985	1,121
Non-Labor	355	368	11	195	3,069
NSE	0	0	0	0	0
Total	1,205	1,210	964	1,180	4,190
FTE	8.6	8.2	8.9	8.7	9.4
acation & Sick (Nominal S	\$)				
Labor	131	134	140	143	178
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	131	134	140	143	178
FTE	1.4	1.4	1.5	1.4	1.6
scalation to 2013\$					
Labor	93	69	43	20	0
Non-Labor	34	26	0	3	0
NSE	0	0	0	0	0
Total	127	95	43	23	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	ant 2013\$)				
Labor	1,075	1,046	1,137	1,148	1,299
Non-Labor	389	394	11	198	3,069
NSE	0	0	0	0	0
Total	1,463	1,440	1,148	1,346	4,368
FTE	10.0	9.6	10.4	10.1	11.0

\* 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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 142 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3091.000 - SOFTWARE DEV - DATABASE ADMINISTRATOR

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs										
Years	2009	2010	2011	2012	2013					
Labor	-654	-738	-738	-738	0					
Non-Labor	-27	-30	-30	-30	0					
NSE	0	0	0	0	0					
Total	-681	-768	-768	-768	0					
FTE	-5.0	-6.0	-6.0	-6.0	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	<u>RefID</u>
2009	-654	-27	0	-5.0 CCT	R Transf	To 2200-2447.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031123631930
2009 Total	-654	-27	0	-5.0			
2010	-738	-30	0	-6.0 CCT	R Transf	To 2200-2447.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to S	CG as o	of 2013			031123733517
2010 Total	-738	-30	0	-6.0			
2011	-738	-30	0	-6.0 CCT	R Transf	To 2200-2447.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031123833363
2011 Total	-738	-30	0	-6.0			
2012	-738	-30	0	-6.0 CCT	R Transf	To 2200-2447.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to S	CG as o	of 2013			031123958550
2012 Total	-738	-30	0	-6.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3091.000 - SOFTWARE DEV - DATABASE ADMINISTRATOR

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

Beginning of Workpaper 2100-3093.000 - SOFTWARE DEV - WORK MEAS & ELECTRIC SYST

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub1. ApplicationsCost Center:2100-3093.000 - SOFTWARE DEV - WORK MEAS & ELECTRIC SYST

#### **Activity Description:**

This cost center supports GIS and CAD Applications services for both SDGE & SCG.

#### Forecast Explanations:

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

#### Summary of Results:

	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	Adjusted-Forecast								
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	635	285	262	356	546	546	546	546				
Non-Labor	268	246	106	481	469	469	469	469				
NSE	0	0	0	0	0	0	0	0				
Total	903	531	367	836	1,015	1,015	1,015	1,015				
FTE	5.8	2.5	2.7	3.1	5.6	5.6	5.6	5.6				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3093.000 - SOFTWARE DEV - WORK MEAS & ELECTRIC SYST

### Cost Center Allocations (Incurred Costs):

		2013 Adjus	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	3	0	3	0.00	0	3	0	3	0.00
Subj. To % Alloc.	547	466	0	1,013	5.60	547	466	0	1,013	5.60
Total Incurred	547	469	0	1,016	5.60	547	469	0	1,016	5.60
% Allocation										
Retained	67.64%	67.64%				63.00%	63.00%			
SEU	32.36%	32.36%				37.00%	37.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adjus	sted-Fore	cast			2016 Adjı	usted-Fore	cast	

		2010 Adju		ouot	EUTU Adjusted T Orecust					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	3	0	3	0.00	0	3	0	3	0.00
Subj. To % Alloc.	547	466	0	1,013	5.60	547	466	0	1,013	5.60
Total Incurred	547	469	0	1,016	5.60	547	469	0	1,016	5.60
% Allocation										
Retained	63.00%	63.00%				63.00%	63.00%			
SEU	37.00%	37.00%				37.00%	37.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub:1. ApplicationsCost Center:2100-3093.000 - SOFTWARE DEV - WORK MEAS & ELECTRIC SYST

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Allocations are based on a labor study of all applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

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

Allocations are based on a labor study of all applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

#### Cost Center Allocation Percentage for 2015

Allocations are based on a labor study of all applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

#### Cost Center Allocation Percentage for 2016

Allocations are based on a labor study of all applications that will be supported by this cost center. FTE requirements are then assigned and using an average labor cost for Shared Apps, a total support cost for each application is derived. A labor study of all applications used by this cost center is appropriate as it defines how the resources in the department will be allocated.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3093.000 - SOFTWARE DEV - WORK MEAS & ELECTRIC SYST

### Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecast	t Method	Bas	se Foreca	st	Forecast Adjustments			Adjusted-Forecast		
Years	5	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	546	546	546	0	0	0	546	546	546
Non-Labor	Base YR Rec	469	469	469	0	0	0	469	469	469
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	1,015	1,015	1,015	0	0	0	1,015	1,015	1,015
FTE	Base YR Rec	5.6	5.6	5.6	0.0	0.0	0.0	5.6	5.6	5.6

Forecast Adjustment Details:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
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:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub:1. ApplicationsCost Center:2100-3093.000 - SOFTWARE DEV - WORK MEAS & ELECTRIC SYST

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
corded (Nominal \$)*					
Labor	670	397	432	571	472
Non-Labor	254	239	114	487	469
NSE	0	0	0	0	0
Total	924	636	546	1,059	941
FTE	7.0	4.1	4.3	5.6	4.8
justments (Nominal \$) **	*				
Labor	-167	-167	-213	-266	0
Non-Labor	-9	-9	-12	-15	0
NSE	0	0	0	0	0
Total	-176	-176	-225	-281	0
FTE	-2.0	-2.0	-2.0	-3.0	0.0
corded-Adjusted (Nomir	nal \$)				
Labor	502	229	220	305	472
Non-Labor	245	230	102	472	469
NSE	0	0	0	0	0
Total	747	459	321	778	941
FTE	5.0	2.1	2.3	2.6	4.8
cation & Sick (Nominal \$	5)				
Labor	78	37	32	44	75
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	78	37	32	44	75
FTE	0.8	0.4	0.4	0.4	0.8
calation to 2013\$					
Labor	55	19	10	6	0
Non-Labor	23	16	4	8	0
NSE	0	0	0	0	0
Total	78	35	14	14	0
FTE	0.0	0.0	0.0	0.0	0.0
corded-Adjusted (Const	ant 2013\$)				
Labor	635	285	262	356	546
Non-Labor	268	246	106	481	469
NSE	0	0	0	0	0
Total	903	531	367	836	1,015
FTE	5.8	2.5	2.7	3.0	5.6

\* 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.

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 150 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3093.000 - SOFTWARE DEV - WORK MEAS & ELECTRIC SYST

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs						
Years	2009	2010	2011	2012	2013	
Labor	-167	-167	-213	-266	0	
Non-Labor	-9	-9	-12	-15	0	
NSE	0	0	0	0	0	
Total	-176	-176	-225	-281	0	
FTE	-2.0	-2.0	-2.0	-3.0	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	<u>RefID</u>
2009	-167	-9	0	-2.0 CC1	R Transf	To 2200-2446.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031124151380
2009 Total	-167	-9	0	-2.0			
2010	-167	-9	0	-2.0 CCT	R Transf	To 2200-2446.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031124251980
2010 Total	-167	-9	0	-2.0			
2011	-213	-12	0	-2.0 CC1	R Transf	To 2200-2446.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031124340870
2011 Total	-213	-12	0	-2.0			
2012	-266	-15	0	-3.0 CC1	R Transf	To 2200-2446.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031124435723
2012 Total	-266	-15	0	-3.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3093.000 - SOFTWARE DEV - WORK MEAS & ELECTRIC SYST

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

Beginning of Workpaper 2100-3102.000 - INFRASTRUCTURE ENG & OPS DIRECTOR

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3102.000 - INFRASTRUCTURE ENG & OPS DIRECTOR

#### **Activity Description:**

The infrastructure and engineering operations director cost center manages the work activities and prioritization of the Shared Applications department for project, operational and system support activities.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### N/A

#### Summary of Results:

Γ	In 2013\$ (000) Incurred Costs										
		Adju	isted-Recor	Adjusted-Forecast							
Years	2009	2010	2011	2012	2013	2014	2015	2016			
Labor	260	275	234	238	263	263	641	1,020			
Non-Labor	46	37	35	36	24	24	64	104			
NSE	0	0	0	0	0	0	0	0			
Total	306	312	269	273	287	287	705	1,124			
FTE	2.0	2.3	1.5	1.5	2.1	2.1	5.8	9.6			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3102.000 - INFRASTRUCTURE ENG & OPS DIRECTOR

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

		2013 Adjus	sted-Reco	rded		2014 Adju	usted-Fore	ecast		
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	7	1	0	8	0.00	7	1	0	8	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	256	23	0	279	2.10	256	23	0	279	2.11
Total Incurred	263	24	0	287	2.10	263	24	0	287	2.11
% Allocation										
Retained	45.14%	45.14%				43.04%	43.04%			
SEU	51.13%	51.13%				52.93%	52.93%			
CORP	3.73%	3.73%				4.03%	4.03%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	cast	2016 Adjusted-Forecast						
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	7	1	0	8	0.00	7	1	0	8	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	634	63	0	697	5.81	1,013	103	0	1,116	9.61
Total Incurred	641	64	0	705	5.81	1,020	104	0	1,124	9.61
% Allocation										
Retained	43.04%	43.04%				43.04%	43.04%			
SEU	52.93%	52.93%				52.93%	52.93%			
CORP	4.03%	4.03%				4.03%	4.03%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3102.000 - INFRASTRUCTURE ENG & OPS DIRECTOR

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

### Cost Center Allocation Percentage for 2013

Allocations are based on a weighted average of dept allocations for the cost centers in this department that provide application support across the various companies. The weighted average of all Dept. cost centers Shared Servcice Allocations reflects the level of support provided to each affiliate by this cost center.

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

Allocations are based on a weighted average of dept allocations for the cost centers in this department that provide application support across the various companies. The weighted average of all Dept. cost centers Shared Servcice Allocations reflects the level of support provided to each affiliate by this cost center.

#### Cost Center Allocation Percentage for 2015

Allocations are based on a weighted average of dept allocations for the cost centers in this department that provide application support across the various companies. The weighted average of all Dept. cost centers Shared Servcice Allocations reflects the level of support provided to each affiliate by this cost center.

#### Cost Center Allocation Percentage for 2016

Allocations are based on a weighted average of dept allocations for the cost centers in this department that provide application support across the various companies. The weighted average of all Dept. cost centers Shared Servcice Allocations reflects the level of support provided to each affiliate by this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3102.000 - INFRASTRUCTURE ENG & OPS DIRECTOR

#### Forecast Summary:

			In 201	3 \$(000) lı	ncurred Co	sts					
Forecas	t Method	Ba	se Foreca	st	Forecast Adjustments			Adjus	Adjusted-Forecast		
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	263	263	263	0	378	757	263	641	1,020	
Non-Labor	Base YR Rec	24	24	24	0	40	80	24	64	104	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	al	287	287	287	0	418	837	287	705	1,124	
FTE	Base YR Rec	2.1	2.1	2.1	0.0	3.7	7.5	2.1	5.8	9.6	
orecast Adju	ustment Details:			I							
<u>Year/Ex</u>	pl. Labor	<u> </u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Ty</u>	<u>oe</u>			
2014 T	otal 0	)	0	0	0	0.0					
2015	184	ŀ	20	0	204	1.8	1-Sided	Adj			
201	incremental FTEs 15 and in 2016. As ployee (3 employe sts.	sumes 669	% O&C rat	io and \$10	00k average	salary plus	•	ited NL			

Incremental Employee requirements were estimated to be 15 headcount across the IT DIvision in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

2015	194	20	0	214	1.9	1-Sided Adj
------	-----	----	---	-----	-----	-------------

3.9 incremental FTEs to support 3 software developers and 1 other FTE supporting recently completed capital projects in 2015 and in 2016. Assumes 97% O&C ratio and \$100k average salary plus \$10k per employee (4 employees) in associated NL costs.

2015 Total	378	40	0	418	3.7
2016	184	20	0	204	1.8 1-Sided Adj

Area:		INFORMATION T	ECHNOLC	)GY				
Witness:		Stephen J. Mikovits						
Category:		A. Applications						
Category-	Sub:	1. Applications						
Cost Cent	enter: 2100-3102.000 - INFRASTRUCTURE ENG & OPS DIRECTOR							
Ye	ar/Expl.	Labor	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u> A	<u>dj Type</u>	
	2015 and	nental FTEs to supp in 2016. Assumes (3 employees at \$	66% O&C	ratio and \$1	00k average s	salary plus	· ·	
	in 2015 ar client IT si	al Employee require nd 2016. These 15 upport needs. The nent and average O	added emp 15 headcou	oloyees are r unt were pro	needed to supprated based u	port busine	ess growth and	
20	16	389	40	0	429	3.9	1-Sided Adj	
	completed	nental FTEs to supp I capital projects in s \$10k per employe	2015 and i	n 2016. Ass	umes 97% O	&C ratio ar		
20	16	184	20	0	204	1.8	1-Sided Adj	
	2015 and	nental FTEs to supp in 2016. Assumes (3 employees at \$	66% O&C	ratio and \$1	00k average s	salary plus		
	in 2015 ar client IT si	al Employee require nd 2016. These 15 upport needs. The nent and average O	added emp 15 headcou	oloyees are r unt were pro	needed to supprated based u	port busine	ess growth and	

	2016 Total	757	80	0	837	7.5	
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Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3102.000 - INFRASTRUCTURE ENG & OPS DIRECTOR

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

·····j	d-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
corded (Nominal \$)*					
Labor	206	221	196	204	227
Non-Labor	42	34	34	35	24
NSE	0	0	0	0	0
Total	248	256	230	239	251
FTE	1.8	1.9	1.3	1.3	1.8
djustments (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
ecorded-Adjusted (Nomir	nal \$)				
Labor	206	221	196	204	227
Non-Labor	42	34	34	35	24
NSE	0	0	0	0	0
Total	248	256	230	239	251
FTE	1.8	1.9	1.3	1.3	1.8
acation & Sick (Nominal S	\$)				
Labor	32	35	29	30	36
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	32	35	29	30	36
FTE	0.3	0.3	0.2	0.2	0.3
scalation to 2013\$					
Labor	22	18	9	4	0
Non-Labor	4	2	1	1	0
NSE	0	0	0	0	0
Total	26	21	10	5	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	260	275	234	238	263
Non-Labor	46	37	35	36	24
NSE	0	0	0	0	0
Total	306	312	269	273	287
FTE	2.1	2.2	1.5	1.5	2.1

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

\*\* Refer to "Detail of Adjustments to Recorded" page for line item adjustments *Note: Totals may include rounding differences.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3102.000 - INFRASTRUCTURE ENG & OPS DIRECTOR

## 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				

Beginning of Workpaper 2100-3623.000 - SHARED SOFTWARE DEVELOPMENT CONTRACTS

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub1. ApplicationsCost Center:2100-3623.000 - SHARED SOFTWARE DEVELOPMENT CONTRACTS

#### **Activity Description:**

This Cost Center is responsible for paying the maintenance for software product supported by the Shared Software Development department.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### N/A

#### Summary of Results:

		In 2013\$ (000) Incurred Costs										
		Adju	isted-Recor	Ad	Adjusted-Forecast							
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	0	0	0	0	0	0	0	0				
Non-Labor	3,195	4,328	4,481	5,997	4,954	4,954	5,350	8,092				
NSE	0	0	0	0	0	0	0	0				
Total	3,195	4,328	4,481	5,997	4,954	4,954	5,350	8,092				
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3623.000 - SHARED SOFTWARE DEVELOPMENT CONTRACTS

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

	2013 Adjusted-Recorded					2014 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	967	0	967	0.00	0	967	0	967	0.00
Subj. To % Alloc.	0	3,987	0	3,987	0.00	0	3,987	0	3,987	0.00
Total Incurred	0	4,954	0	4,954	0.00	0	4,954	0	4,954	0.00
% Allocation										
Retained	45.14%	45.14%				41.13%	41.13%			
SEU	51.13%	51.13%				54.54%	54.54%			
CORP	3.73%	3.73%				4.33%	4.33%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast						2016 Adju	sted-Fore	cast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	967	0	967	0.00	0	967	0	967	0.00
Subj. To % Alloc.	0	4,383	0	4,383	0.00	0	7,125	0	7,125	0.00
Total Incurred	0	5,350	0	5,350	0.00	0	8,092	0	8,092	0.00
% Allocation										
Retained	41.13%	41.13%				41.13%	41.13%			
SEU	54.54%	54.54%				54.54%	54.54%			
CORP	4.33%	4.33%				4.33%	4.33%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:A. ApplicationsCategory-Sub:1. ApplicationsCost Center:2100-3623.000 - SHARED SOFTWARE DEVELOPMENT CONTRACTS

### Cost Center Allocation Percentage Drivers/Methodology:

### Cost Center Allocation Percentage for 2013

Allocations are based on a weighted average of the usage of the software by company as provided by client, as well as the shared asset percentages. The weighted average of application usage by company is appropriate because it identifies the value that each organization is receiving from the application.

#### Cost Center Allocation Percentage for 2014

Allocations are based on a weighted average of the usage of the software by company as provided by client, as well as the shared asset percentages. The weighted average of application usage by company is appropriate because it identifies the value that each organization is receiving from the application.

#### **Cost Center Allocation Percentage for 2015**

Allocations are based on a weighted average of the usage of the software by company as provided by client, as well as the shared asset percentages. The weighted average of application usage by company is appropriate because it identifies the value that each organization is receiving from the application.

#### Cost Center Allocation Percentage for 2016

Allocations are based on a weighted average of the usage of the software by company as provided by client, as well as the shared asset percentages. The weighted average of application usage by company is appropriate because it identifies the value that each organization is receiving from the application.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3623.000 - SHARED SOFTWARE DEVELOPMENT CONTRACTS

### Forecast Summary:

				111 201	3 \$(000) In		SIS				
Fo	orecast Metho	d			Forec	ast Adjusti	nents	Adjus	sted-Forec	ast	
	Years		2014	2015	2016	2014	2015	2016	2014	2015	2016
abor	Base	YR Rec	0	0	0	0	0	0	0	0	(
on-La	abor Base	YR Rec	4,954	4,954	4,954	0	396	3,138	4,954	5,350	8,092
SE	Base	YR Rec	0	0	0	0	0	0	0	0	(
	Total		4,954	4,954	4,954	0	396	3,138	4,954	5,350	8,092
TE	Base	YR Rec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
recas	st Adjustment	Details:									
Ye	ear/Expl.	<u>Labor</u>	<u>1</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Ty</u>	<u>pe</u>		
2	2014 Total	0		0	0	0	0.0				
2	2015	0	3	396	0	396	0.0	1-Sided	l Adj		
2	expirations IT contract services, a	ion in 2015 , and busine costs, incluind other cor based on ex 0	ding mainte ding mainte ntracts are cpanding se 3	growth. enance ag anticipate	reements, d to escala	network se ite by appro	rvices, clier oximately 8º	nt support % per year	r in 2015 ions.		
2	expirations IT contract services, and and 2016, I 2015 Total 2016 8% escalat expirations IT contract services, and	, and busine costs, incluind other cor based on ex 0	ess-driven g ding mainte tracts are spanding se spanding se 8 & 2016 ba ess-driven g ding mainte tracts are	growth. enance ag anticipate ervices, wa 396 324 ased upon growth. enance ag anticipate	reements, d to escala arranty exp 0 0 a combina reements, d to escala	network se te by appro- biriation, and <b>396</b> 824 tion of histo network se te by appro-	orvices, clien oximately 8 d vendor cc 0.0 0.0 orical avera orvices, clien oximately 8	nt support % per year st escalat 1-Sidec ges, warr nt support % per year	r in 2015 ions. I Adj anty r in 2015		
2	expirations IT contract services, and and 2016, I 2015 Total 2016 8% escalat expirations IT contract services, and	, and busine costs, incluind other cor based on ex 0 0 ion in 2015 , and busine costs, incluind other cor	ess-driven e ding mainte ntracts are panding se 2016 ba ess-driven e ding mainte ntracts are spanding se	growth. enance ag anticipate ervices, wa 396 324 ased upon growth. enance ag anticipate	reements, d to escala arranty exp 0 0 a combina reements, d to escala	network se te by appro- biriation, and <b>396</b> 824 tion of histo network se te by appro-	orvices, clien oximately 8 d vendor cc 0.0 0.0 orical avera orvices, clien oximately 8	nt support % per year st escalat 1-Sidec ges, warr nt support % per year	r in 2015 ions. I Adj anty r in 2015 ions.		
2	expirations IT contract services, a and 2016, I 2015 Total 2016 8% escalat expirations IT contract services, a and 2016, I 2016 2016 Contractua	, and busine costs, incluind other cor based on ex 0 ion in 2015 , and busine costs, incluind other cor based on ex	ess-driven e ding mainte ntracts are spanding se 2016 ba ess-driven e ding mainte ntracts are spanding se 2,3 to support	growth. enance ag anticipate ervices, wa 396 324 ased upon growth. enance ag anticipate ervices, wa 314 t GIS syste	reements, d to escala arranty exp 0 0 a combina reements, d to escala arranty exp 0 em softwar	network se te by appro- piriation, and <b>396</b> 824 tion of histo network se te by appro- piriation, and 2,314 re. These c	vices, clien oximately 8 d vendor cc 0.0 0.0 orical avera rvices, clien oximately 8 d vendor cc 0.0	nt support % per year st escalat 1-Sidec ges, warr nt support % per year st escalat 1-Sidec	r in 2015 ions. I Adj anty r in 2015 ions.		

Note: Totals may include rounding differences.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3623.000 - SHARED SOFTWARE DEVELOPMENT CONTRACTS

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

·····,····	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	2,918	4,042	4,313	5,895	4,954
NSE	0	0	0	0	0
Total	2,918	4,042	4,313	5,895	4,954
FTE	0.0	0.0	0.0	0.0	0.0
djustments (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
ecorded-Adjusted (Nominal	\$)				
Labor	0	0	0	0	0
Non-Labor	2,918	4,042	4,313	5,895	4,954
NSE	0	0	0	0	0
Total	2,918	4,042	4,313	5,895	4,954
FTE	0.0	0.0	0.0	0.0	0.0
acation & 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
scalation to 2013\$					
Labor	0	0	0	0	0
Non-Labor	277	286	168	102	0
NSE	0	0	0	0	0
Total	277	286	168	102	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Constan	it 2013\$)				
Labor	0	0	0	0	0
Non-Labor	3,195	4,328	4,481	5,997	4,954
NSE	0	0	0	0	0
Total	3,195	4,328	4,481	5,997	4,954
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

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3623.000 - SHARED SOFTWARE DEVELOPMENT CONTRACTS

## 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				

Beginning of Workpaper 2100-3754.000 - CUSTOMER CARE PROJECT OFFICE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3754.000 - CUSTOMER CARE PROJECT OFFICE

#### **Activity Description:**

Plan and develop business cases and project plans for life cycle replacement and new systems to support Customer Operations and Customer Services business SCG capital processes.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### N/A

#### Summary of Results:

				ln 2013\$ (00	0) Incurred (	Costs				
		Adjusted-Recorded Adjusted-Foreca								
Years	2009	2010	2011	2012	2013	2014	2015	2016		
Labor	146	249	271	425	1	1	1	1		
Non-Labor	10	182	379	48	5	5	5	5		
NSE	0	0	0	0	0	0	0	0		
Total	156	430	650	472	6	6	6	6		
FTE	1.5	2.3	2.8	4.3	0.0	0.0	0.0	0.0		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3754.000 - CUSTOMER CARE PROJECT OFFICE

### Cost Center Allocations (Incurred Costs):

	2013 Adjusted-Recorded						2014 Adju	usted-Fore	cast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	1	5	0	6	0.00	1	5	0	6	0.00
Total Incurred	1	5	0	6	0.00	1	5	0	6	0.00
% Allocation										
Retained	0.00%	0.00%				0.00%	0.00%			
SEU	100.00%	100.00%				100.00%	100.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	sted-Fore	cast			2016 Adju	sted-Fore	cast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
<b>Directly Retained</b>	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	1	5	0	6	0.00	1	5	0	6	0.00
Total Incurred	1	5	0	6	0.00	1	5	0	6	0.00
% Allocation										
Retained	0.00%	0.00%				0.00%	0.00%			
SEU	100.00%	100.00%				100.00%	100.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

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

#### **Cost Center Allocation Percentage for 2013**

This cost center suports only the SCG Customer Care capital Project Office through project lifecycle. The systems supported in this cost center and capital work by applications are used by SCG only.

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

This cost center suports only the SCG Customer Care capital Project Office through project lifecycle. The systems supported in this cost center and capital work by applications are used by SCG only.

#### **Cost Center Allocation Percentage for 2015**

This cost center suports only the SCG Customer Care capital Project Office through project lifecycle. The systems supported in this cost center and capital work by applications are used by SCG only.

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

This cost center suports only the SCG Customer Care capital Project Office through project lifecycle. The systems supported in this cost center and capital work by applications are used by SCG only.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3754.000 - CUSTOMER CARE PROJECT OFFICE

### Forecast Summary:

	In 2013 \$(000) Incurred Costs										
Forecas	t Method	Bas	ase Forecast Forecast Adjustments					Adjus	Adjusted-Forecast		
Year	s	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	1	1	1	0	0	0	1	1	1	
Non-Labor	Base YR Rec	5	5	5	0	0	0	5	5	5	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	al	6	6	6	0	0	0	6	6	6	
FTE	Base YR Rec	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>	<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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3754.000 - CUSTOMER CARE PROJECT OFFICE

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

	2009 (\$000) 2009	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	254	338	365	503	1
Non-Labor	16	176	371	53	5
NSE	0	0	0	0	0
Total	269	514	736	556	6
FTE	2.3	3.0	3.4	4.7	0.0
djustments (Nominal \$) *'	*				
Labor	-138	-138	-138	-138	0
Non-Labor	-6	-6	-6	-6	0
NSE	0	0	0	0	0
Total	-144	-144	-144	-144	0
FTE	-1.0	-1.0	-1.0	-1.0	0.0
ecorded-Adjusted (Nomir	nal \$)				
Labor	115	200	227	365	1
Non-Labor	10	170	365	47	5
NSE	0	0	0	0	0
Total	125	370	592	411	6
FTE	1.3	2.0	2.4	3.7	0.0
acation & Sick (Nominal S	\$)				
Labor	18	32	33	53	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	18	32	33	53	0
FTE	0.2	0.3	0.4	0.6	0.0
scalation to 2013\$					
Labor	13	16	10	7	0
Non-Labor	1	12	14	1	0
NSE	0	0	0	0	0
Total	14	28	24	8	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	ant 2013\$)				
Labor	146	249	271	425	1
Non-Labor	10	182	379	48	5
NSE	0	0	0	0	0
Total	156	430	650	472	6
FTE	1.5	2.3	2.8	4.3	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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3754.000 - CUSTOMER CARE PROJECT OFFICE

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs								
Years	2009	2010	2011	2012	2013			
Labor	-138	-138	-138	-138	0			
Non-Labor	-6	-6	-6	-6	0			
NSE	0	0	0	0	0			
Total	-144	-144	-144	-144	0			
FTE	-1.0	-1.0	-1.0	-1.0	0.0			

### Detail of Adjustments to Recorded:

Year/Expl.	Labor	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>
2009	-138	-6	0	-1.0 CC	TR Transf	To 2200-2451.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	f 2013			031145637953
2009 Total	-138	-6	0	-1.0			
2010	-138	-6	0	-1.0 CC	TR Transf	To 2200-2451.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	f 2013			031145722480
2010 Total	-138	-6	0	-1.0			
2011	-138	-6	0	-1.0 CC	TR Transf	To 2200-2451.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	f 2013			031145748963
2011 Total	-138	-6	0	-1.0			
2012	-138	-6	0	-1.0 CC	TR Transf	To 2200-2451.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	f 2013			031145823080
2012 Total	-138	-6	0	-1.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3754.000 - CUSTOMER CARE PROJECT OFFICE

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

Beginning of Workpaper 2100-3846.000 - SCG APPS MAJOR MARKET APP

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3846.000 - SCG APPS MAJOR MARKET APP

#### **Activity Description:**

Provide maintenance and enhancement programming support of contract, gas flow, measurement collection, and billing functions of MCS, ENVOY, SCBS, CCS, and CAT.

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### NSE - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Summary of Results:

	In 2013\$ (000) Incurred Costs							
		Adju	isted-Recor	Adjusted-Forecast				
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	0	0	0	1,064	-5	-5	-5	-5
Non-Labor	0	0	0	288	11	11	11	11
NSE	0	0	0	0	0	0	0	0
Total	0	0	0	1,352	6	6	6	6
FTE	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3846.000 - SCG APPS MAJOR MARKET APP

# Cost Center Allocations (Incurred Costs):

		2013 Adjus	sted-Reco	rded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	-5	11	0	6	-0.04	-5	11	0	6	-0.04
Total Incurred	-5	11	0	6	-0.04	-5	11	0	6	-0.04
% Allocation										
Retained	2.86%	2.86%				2.86%	2.86%			
SEU	97.14%	97.14%				97.14%	97.14%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adju	sted-Fore	cast		2016 Adjı	sted-Fore	cast		

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	-5	11	0	6	-0.04	-5	11	0	6	-0.04
Total Incurred	-5	11	0	6	-0.04	-5	11	0	6	-0.04
% Allocation										
Retained	2.86%	2.86%				2.86%	2.86%			
SEU	97.14%	97.14%				97.14%	97.14%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3846.000 - SCG APPS MAJOR MARKET APP

## Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

The allocations are calculated by projecting by application systems (MCS, ENVOY, SCBS, CCS, and CAT) supported by this cost center, the number of employee labor and contractor-agency FTEs supporting the systems. These FTE numbers by system are then multiplied by the affiliate percentages assigned to each system. These amounts are totaled by affiliate and a weighted-average is calculated for each affiliate. These systems are used exclusively by SCG employees for SCG customers. Envoy and MCS is used primarily by SCG, but can be accessed by SDG&E. These systems are used exclusively by SCG employees for SCG, but can be accessed by SDG&E.

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

The allocations are calculated by projecting by application systems (MCS, ENVOY, SCBS, CCS, and CAT) supported by this cost center, the number of employee labor and contractor-agency FTEs supporting the systems. These FTE numbers by system are then multiplied by the affiliate percentages assigned to each system. These amounts are totaled by affiliate and a weighted-average is calculated for each affiliate. These systems are used exclusively by SCG employees for SCG customers. Envoy and MCS is used primarily by SCG, but can be accessed by SDG&E. These systems are used exclusively by SCG employees for SCG, but can be accessed by SDG&E.

#### **Cost Center Allocation Percentage for 2015**

The allocations are calculated by projecting by application systems (MCS, ENVOY, SCBS, CCS, and CAT) supported by this cost center, the number of employee labor and contractor-agency FTEs supporting the systems. These FTE numbers by system are then multiplied by the affiliate percentages assigned to each system. These amounts are totaled by affiliate and a weighted-average is calculated for each affiliate. These systems are used exclusively by SCG employees for SCG customers. Envoy and MCS is used primarily by SCG, but can be accessed by SDG&E. These systems are used exclusively by SCG employees for SCG, but can be accessed by SDG&E.

#### Cost Center Allocation Percentage for 2016

The allocations are calculated by projecting by application systems (MCS, ENVOY, SCBS, CCS, and CAT) supported by this cost center, the number of employee labor and contractor-agency FTEs supporting the systems. These FTE numbers by system are then multiplied by the affiliate percentages assigned to each system. These amounts are totaled by affiliate and a weighted-average is calculated for each affiliate. These systems are used exclusively by SCG employees for SCG customers. Envoy and MCS is used primarily by SCG, but can be accessed by SDG&E. These systems are used exclusively by SCG employees for SCG, but can be accessed by SDG&E.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3846.000 - SCG APPS MAJOR MARKET APP

## Forecast Summary:

	In 2013 \$(000) Incurred Costs										
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjust	ments	Adjusted-Forecast			
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	-5	-5	-5	0	0	0	-5	-5	-5	
Non-Labor	Base YR Rec	11	11	11	0	0	0	11	11	11	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	d	6	6	6	0	0	0	6	6	6	
FTE	Base YR Rec	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>	<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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3846.000 - SCG APPS MAJOR MARKET APP

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

Determination of Adjusted-F	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	0	0	0	914	-4
Non-Labor	0	0	0	283	11
NSE	0	0	0	0	0
Total	0	0	0	1,197	7
FTE	0.0	0.0	0.0	8.9	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 (Nominal	\$)				
Labor	0	0	0	914	-4
Non-Labor	0	0	0	283	11
NSE	0	0	0	0	0
Total	0	0	0	1,197	7
FTE	0.0	0.0	0.0	8.9	0.0
/acation & Sick (Nominal \$)					
Labor	0	0	0	132	-1
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	132	-1
FTE	0.0	0.0	0.0	1.4	0.0
Escalation to 2013\$					
Labor	0	0	0	18	0
Non-Labor	0	0	0	5	0
NSE	0	0	0	0	0
Total	0	0	0	23	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Constan	t 2013\$)				
Labor	0	0	0	1,064	-5
Non-Labor	0	0	0	288	11
NSE	0	0	0	0	0
Total	0	0	0	1,352	6
FTE	0.0	0.0	0.0	10.3	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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3846.000 - SCG APPS MAJOR MARKET APP

# 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				

Beginning of Workpaper 2100-3848.000 - CUSTOMER ANALYTICS SYSTEM

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3848.000 - CUSTOMER ANALYTICS SYSTEM

#### **Activity Description:**

This cost center provides enterpise wide IT support and delivery of advanced analytics for customer and grid data.

## Forecast Explanations:

# Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

## Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## NA

## Summary of Results:

	In 2013\$ (000) Incurred Costs									
		Adju	isted-Recor	ded		Ad	justed-Fore	cast		
Years	2009	2010	2011	2012	2013	2014	2015	2016		
Labor	0	0	0	58	124	124	124	124		
Non-Labor	0	0	0	423	6	6	6	6		
NSE	0	0	0	0	0	0	0	0		
Total	0	0	0	480	131	131	131	131		
FTE	0.0	0.0	0.0	0.5	1.1	1.1	1.1	1.1		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3848.000 - CUSTOMER ANALYTICS SYSTEM

# Cost Center Allocations (Incurred Costs):

		2013 Adju:	2014 Adjusted-Forecast							
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	-4	0	0	-4	-0.03	-4	0	0	-4	-0.03
Subj. To % Alloc.	128	6	0	134	1.16	128	6	0	134	1.16
Total Incurred	124	6	0	130	1.13	124	6	0	130	1.13
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			
							0040.4.1			
		2015 Adju	cast	2016 Adjusted-Forecast						

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	-4	0	0	-4	-0.03	-4	0	0	-4	-0.03
Subj. To % Alloc.	128	6	0	134	1.16	128	6	0	134	1.16
Total Incurred	124	6	0	130	1.13	124	6	0	130	1.13
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3848.000 - CUSTOMER ANALYTICS SYSTEM

## Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

## Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

## **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

## Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3848.000 - CUSTOMER ANALYTICS SYSTEM

## Forecast Summary:

In 2013 \$(000) Incurred Costs										
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjust	ments	Adjusted-Forecast		
Years	S	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	124	124	124	0	0	0	124	124	124
Non-Labor	Base YR Rec	6	6	6	0	0	0	6	6	6
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	131	131	131	0	0	0	131	131	131
FTE	Base YR Rec	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1

## 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3848.000 - CUSTOMER ANALYTICS SYSTEM

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

	1-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	0	0	0	49	107
Non-Labor	0	0	0	416	6
NSE	0	0	0	0	0
Total	0	0	0	465	114
FTE	0.0	0.0	0.0	0.5	1.0
djustments (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	nal \$)				
Labor	0	0	0	49	107
Non-Labor	0	0	0	416	6
NSE	0	0	0	0	0
Total	0	0	0	465	114
FTE	0.0	0.0	0.0	0.5	1.0
acation & Sick (Nominal \$	5)				
Labor	0	0	0	7	17
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	7	17
FTE	0.0	0.0	0.0	0.1	0.2
scalation to 2013\$					
Labor	0	0	0	1	0
Non-Labor	0	0	0	7	0
NSE	0	0	0	0	0
Total	0	0	0	8	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	0	58	124
Non-Labor	0	0	0	423	6
NSE	0	0	0	0	0
Total	0	0	0	480	131
FTE	0.0	0.0	0.0	0.6	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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3848.000 - CUSTOMER ANALYTICS SYSTEM

# 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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3905.000 - ENTERPRISE MODELING TEST TEAM

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-3905.000 - ENTERPRISE MODELING TEST TEAM

#### **Activity Description:**

The Enterprise, Modeling & Test Team provides technical support to all functional areas within Information Technology

## Forecast Explanations:

# Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

## Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## NA

Summary of Results:

		In 2013\$ (000) Incurred Costs								
		Adju	isted-Recor	ded		Ad	Adjusted-Forecast			
Years	2009	2010	2011	2012	2013	2014	2015	2016		
Labor	0	0	0	0	18	18	18	18		
Non-Labor	0	0	0	0	0	0	0	0		
NSE	0	0	0	0	0	0	0	0		
Total	0	0	0	0	18	18	18	18		
FTE	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3905.000 - ENTERPRISE MODELING TEST TEAM

# Cost Center Allocations (Incurred Costs):

		2013 Adjus	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	18	0	0	18	0.19	18	0	0	18	0.19
Total Incurred	18	0	0	18	0.19	18	0	0	18	0.19
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adju	sted-Fore	cast		2016 Adju	sted-Fore	cast		

		•			-					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	18	0	0	18	0.19	18	0	0	18	0.19
Total Incurred	18	0	0	18	0.19	18	0	0	18	0.19
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3905.000 - ENTERPRISE MODELING TEST TEAM

## Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

## Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

## **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

## Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3905.000 - ENTERPRISE MODELING TEST TEAM

## Forecast Summary:

			In 201	3 \$(000) Ir	ncurred Co	sts				
Forecas	Forecast Method Base Forecast				Forec	ast Adjust	tments	Adjusted-Forecast		
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	18	18	18	0	0	0	18	18	18
Non-Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	al	18	18	18	0	0	0	18	18	18
FTE	Base YR Rec	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2

Forecast Adjustment Details:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3905.000 - ENTERPRISE MODELING TEST TEAM

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

2009 (\$000)    2010 (\$000)    2011 (\$000)    2      Recorded (Nominal \$)*	012 (\$000) 0 0 0 0 0 0 0 0 0 0	2013 (\$000) 16 0 16 0.2 0 0
Non-Labor    0	0 0 0.0 0.0 0 0	0 0 16 0.2
NSE    0	0 0.0 0 0 0 0	0 16 0.2
Total    0 <td>0 0.0 0 0 0</td> <td><b>16</b> 0.2 0</td>	0 0.0 0 0 0	<b>16</b> 0.2 0
FTE  0.0  0.0  0.0    Adjustments (Nominal \$) **	0.0 0 0 0	0.2
Adjustments (Nominal \$) **    Labor  0  0  0    Non-Labor  0  0  0    NSE  0  0  0  0    Total  0  0  0  0    FTE  0.0  0.0  0.0  0    Recorded-Adjusted (Nominal \$)  0  0  0  0    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    NSE  0  0.0  0.0  0.0  0    Vacation & Sick (Nominal \$)  Uabor  0  0  0    Labor  0  0  0  0  0    Non-Labor  0  0  0  0  0    NSE  0  0  0  0  0	0 0 0	0
Labor    0    0    0      Non-Labor    0    0    0      NSE    0    0    0    0      Total    0    0    0    0    0    0      FTE    0.0    0.0    0.0    0.0    0	0 0	
Non-Labor    0	0 0	
NSE    0	0	•
Total    0    0    0      FTE    0.0    0.0    0.0      Recorded-Adjusted (Nominal \$)    0    0    0      Labor    0    0    0    0      Non-Labor    0    0    0    0      NSE    0    0    0    0      FTE    0.0    0.0    0    0      FTE    0.0    0.0    0.0    0      Vacation & Sick (Nominal \$)    Used to the size of the		0
FTE  0.0  0.0  0.0    Recorded-Adjusted (Nominal \$)  Image: Constraint of the second se		0
Recorded-Adjusted (Nominal \$)    Labor  0  0  0    Non-Labor  0  0  0    NSE  0  0  0    Total  0  0  0    FTE  0.0  0.0  0.0    Vacation & Sick (Nominal \$)  0  0  0    Labor  0  0  0    Non-Labor  0  0  0    NSE  0  0  0	0	0
Labor    0    0    0      Non-Labor    0    0    0      NSE    0    0    0    0      Total    0    0    0    0    0    0      FTE    0.0    0.0    0.0    0<	0.0	0.0
Non-Labor    0		
NSE    0	0	16
Total    0    0    0      FTE    0.0    0.0    0.0      Vacation & Sick (Nominal \$)    0    0    0      Labor    0    0    0    0      Non-Labor    0    0    0    0      NSE    0    0    0    0	0	0
FTE    0.0    0.0    0.0      Vacation & Sick (Nominal \$)        0    0    0    0    0       Non-Labor    0    0    0    0    0    0    0    NSE    0    0    0	0	0
Vacation & Sick (Nominal \$)    0    0    0      Labor    0 <t< td=""><td>0</td><td>16</td></t<>	0	16
Labor    0    0    0      Non-Labor    0    0    0      NSE    0    0    0	0.0	0.2
Non-Labor    0    0    0      NSE    0    0    0    0		
NSE <u>0</u> <u>0</u> <u>0</u>	0	3
	0	0
Total 0 0 0	0	0
	0	3
FTE 0.0 0.0 0.0	0.0	0.0
Escalation to 2013\$		
Labor 0 0 0	0	0
Non-Labor 0 0 0	0	0
NSE <u>0 0</u> <u>0</u>	0	0
Total 0 0 0	0	0
FTE 0.0 0.0 0.0	0.0	0.0
Recorded-Adjusted (Constant 2013\$)		
Labor 0 0 0	0	18
Non-Labor 0 0 0	0	0
NSE <u>0</u> <u>0</u>	0	0
Total 0 0 0	0	18
FTE 0.0 0.0 0.0	0.0	0.2

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-3905.000 - ENTERPRISE MODELING TEST TEAM

# 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				

Beginning of Workpaper 2100-4001.000 - Collaboration Services

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub	1. Applications
Cost Center:	2100-4001.000 - Collaboration Services

#### **Activity Description:**

This cost center provides enterprise documentum and collaboration services for corporate and utility companies.

#### Forecast Explanations:

# Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

## Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## N/A

#### Summary of Results:

[	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	Adjusted-Forecast								
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	0	301	225	329	415	415	481	547				
Non-Labor	0	89	89	409	64	64	254	259				
NSE	0	0	0	0	0	0	0	0				
Total	0	391	314	738	479	479	735	806				
FTE	0.0	3.1	3.1	4.1	4.5	4.5	5.2	5.9				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-4001.000 - Collaboration Services

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

		2013 Adjus	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	415	64	0	479	4.45	415	64	0	479	4.45
Total Incurred	415	64	0	479	4.45	415	64	0	479	4.45
% Allocation										
Retained	53.16%	53.16%				55.67%	55.67%			
SEU	30.67%	30.67%				29.00%	29.00%			
CORP	16.17%	16.17%				15.33%	15.33%			
Unreg	0.00%	0.00%				0.00%	0.00%			
						•				

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	481	254	0	735	5.15	547	259	0	806	5.85
Total Incurred	481	254	0	735	5.15	547	259	0	806	5.85
% Allocation										
Retained	55.67%	55.67%				55.67%	55.67%			
SEU	29.00%	29.00%				29.00%	29.00%			
CORP	15.33%	15.33%				15.33%	15.33%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-4001.000 - Collaboration Services

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

## **Cost Center Allocation Percentage for 2013**

The allocations are calculated by projecting by systems (Docmentum, Sharepoint) supported by this cost center, the number of employee labor and contractor-agency FTEs supporting the systems. These FTE numbers by system are then multiplied by the affiliate percentages assigned to each system based on the number of licenses for the Documentum product as well as the number of sites and storage used by each company for the SharePoint service. These amounts are totaled by affiliate and a weighted-average is calclulated for each affiliate. Since these two application/functions are the only source of support in this cost center it is appropriate to determine allocations based on the number of users for each application.

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

The allocations are calculated by projecting by systems (Docmentum, Sharepoint) supported by this cost center, the number of employee labor and contractor-agency FTEs supporting the systems. These FTE numbers by system are then multiplied by the affiliate percentages assigned to each system based on the number of licenses for the Documentum product as well as the number of sites and storage used by each company for the SharePoint service. These amounts are totaled by affiliate and a weighted-average is calclulated for each affiliate. Since these two application/functions are the only source of support in this cost center it is appropriate to determine allocations based on the number of users for each application.

#### **Cost Center Allocation Percentage for 2015**

The allocations are calculated by projecting by systems (Docmentum, Sharepoint) supported by this cost center, the number of employee labor and contractor-agency FTEs supporting the systems. These FTE numbers by system are then multiplied by the affiliate percentages assigned to each system based on the number of licenses for the Documentum product as well as the number of sites and storage used by each company for the SharePoint service. These amounts are totaled by affiliate and a weighted-average is calclulated for each affiliate. Since these two application/functions are the only source of support in this cost center it is appropriate to determine allocations based on the number of users for each application.

#### Cost Center Allocation Percentage for 2016

The allocations are calculated by projecting by systems (Docmentum, Sharepoint) supported by this cost center, the number of employee labor and contractor-agency FTEs supporting the systems. These FTE numbers by system are then multiplied by the affiliate percentages assigned to each system based on the number of licenses for the Documentum product as well as the number of sites and storage used by each company for the SharePoint service. These amounts are totaled by affiliate and a weighted-average is calclulated for each affiliate. Since these two application/functions are the only source of support in this cost center it is appropriate to determine allocations based on the number of users for each application.

INFORMATION TECHNOLOGY
Stephen J. Mikovits
A. Applications
1. Applications
2100-4001.000 - Collaboration Services

## Forecast Summary:

				In 201	3 \$(000) Ir	ncurred Cos	sts				
F	orecast Me	thod	Bas	se Foreca	st	Forec	ast Adjustr	nents	Adjus	ted-Forec	ast
	Years		2014	2015	2016	2014	2015	2016	2014	2015	2016
_abor	г В	ase YR Rec	415	415	415	0	66	132	415	481	547
Non-L	_abor B	ase YR Rec	64	64	64	0	190	195	64	254	259
NSE	В	ase YR Rec	0	0	0	0	0	0	0	0	0
	Total		479	479	479	0	256	327	479	735	806
FTE	B	ase YR Rec	4.5	4.5	4.5	0.0	0.7	1.4	4.5	5.2	5.9
oreca	ist Adjustm	ent Details:									
<u>Y</u>	<u>ear/Expl.</u>	<u>Labor</u>	<u>1 1</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Ty</u>	pe		
	2014 Total	C	)	0	0	0	0.0				
	2015	16	6	10	0	26	0.2	1-Sided	l Adj		
	in 2015 client IT	ental Employee and 2016. Th support needs intment and ave	ese 15 add s. The 15 h	ed employ neadcount	vees are no were pror	eeded to su ated based	pport busin	ess growtl	h and		
	2015	50	-	5	0	55	0.5	1-Sided	l Adj		
	starting	at \$100k per en halfway throug ig SharePoint.		•				• •	• •		
	2015	C	) 1	175	0	175	0.0	1-Sidec	l Adj		
		ed annual cos ental SharePoir	-			acted throug	gh Microsof	t for imple	ementing		
	2015 Total	66	<b>i</b> 1	190	0	256	0.7				
	2016	16	3	10	0	26	0.2	1-Sidec	:		

Area:	INFORMATION	TECHNOL	OGY			
Witness:	Stephen J. Mikov	vits				
Category:	A. Applications					
Category-Sub:	1. Applications					
Cost Center:	2100-4001.000 -	Collaborat	ion Services	6		
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
	mployees to suppo 2015. \$100k avera					ted NL costs.
Increment	al Emplovee requir	ements w	ere estimate	d to be 15 hea	idcount a	cross the IT DIv

Incremental Employee requirements were estimated to be 15 headcount across the IT DIvision in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

201	6	100	10	0	110	1.0	1-Sided Adj
	1 FTE at \$100k p starting halfway tl including ShareF	nrough 2015 ar	-				
201	6	16	0	0	16	0.2	1-Sided Adj
	.15 new employees to support new IT initiatives across the company in 2014 and 2015. \$100k average salary plus \$10k per employee in associated NL costs. Incremental Employee requirements were estimated to be 15 headcount across the IT DIvision in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual						
	IT department an	d average O&C	Clabor ratio fo	r the base	/ear.		
201	6	0	175	0	175	0.0	1-Sided Adj
	Estimated annua	•		s contracte	d through Mic	crosoft	for implementing

327 1.4	0	195	132	2016 Total
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Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-4001.000 - Collaboration Services

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	443	473	567	358
Non-Labor	0	89	95	411	64
NSE	0	0	0	0	0
Total	0	532	568	978	422
FTE	0.0	4.7	4.7	5.5	3.8
djustments (Nominal \$) **					
Labor	0	-200	-285	-285	0
Non-Labor	0	-6	-9	-9	0
NSE	0	0	0	0	0
Total	0	-206	-294	-294	0
FTE	0.0	-2.0	-2.0	-2.0	0.0
ecorded-Adjusted (Nomina	al \$)				
Labor	0	243	188	282	358
Non-Labor	0	83	86	402	64
NSE	0	0	0	0	0
Total	0	326	274	684	422
FTE	0.0	2.7	2.7	3.5	3.8
acation & Sick (Nominal \$	)				
Labor	0	39	28	41	57
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	39	28	41	57
FTE	0.0	0.5	0.4	0.6	0.7
scalation to 2013\$					
Labor	0	20	8	6	0
Non-Labor	0	6	3	7	0
NSE	0	0	0	0	0
Total	0	26	12	13	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	301	225	329	415
Non-Labor	0	89	89	409	64
NSE	0	0	0	0	0
Total	0	391	314	738	479
FTE	0.0	3.2	3.1	4.1	4.5

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	A. Applications
Category-Sub:	1. Applications
Cost Center:	2100-4001.000 - Collaboration Services

# Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs							
Years	2009	2010	2011	2012	2013		
Labor	0	-200	-285	-285	0		
Non-Labor	0	-6	-9	-9	0		
NSE	0	0	0	0	0		
Total	0	-206	-294	-294	0		
FTE	0.0	-2.0	-2.0	-2.0	0.0		

## Detail of Adjustments to Recorded:

Year/Expl.	Labor	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>
2009 Total	0	0	0	0.0			
2010	-200	-6	0	-2.0 CC	TR Transf	To 2200-2452.000	FFIGUERO20131
031150523280 Zero out 2010 thru 2013: GRID 2009 Data is Zero Per Finance/delete entries from 2100-4001 for 2010 thru 2013 Entries will now appear in cctr 2100-3082 from 2009 to 2013							
2010 Total	-200	-6	0	-2.0			
2011 Zero out 201 Per Finance/ Entries will n	delete entries	from 2100-4	4001 for	ero 2010 thru		To 2200-2452.000	FFIGUERO20131 031150610683
2011 Total	-285	-9	0	-2.0			
2012 Zero out 201 Per Finance/ Entries will n	delete entries	-9 GRID 2009 [ 5 from 2100-4	4001 for	-2.0 CC ero 2010 thru		To 2200-2452.000	FFIGUERO20131 031150728843
2012 Total	-285	-9	0	-2.0			

Area:	INFC	RMATION T	ECHNOLO	)GY				
Witness:	Step	hen J. Mikovi	ts					
Category:	Α. Αρ	oplications						
Category-Sub:	1. Ap	plications						
Cost Center:	2100	-4001.000 - 0	Collaborati	on Servic	es			
						_		
<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>	
2013 Total	0	0	0	0.0				

Note: Totals may include rounding differences.

# Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:B. InfrastructureCost Center:VARIOUS

## Summary for Category: B. Infrastructure

	In 2013\$ (000) Incurred Costs							
Γ	Adjusted-Recorded							
	2013	2014	2015	2016				
Labor	11,034	11,034	11,738	12,441				
Non-Labor	37,578	36,325	39,555	42,605				
NSE	0	0	0	0				
Total	48,612	47,359	51,293	55,046				
FTE	115.4	115.4	122.5	129.6				
Cost Centers belonging	to this Category:							
2100-0207.000 TELEC	OM FIELD VOICE - SDGE							
Labor	1,841	1,841	1,841	1,841				
Non-Labor	476	746	746	746				
NSE	0	0	0	0				
Total	2,317	2,587	2,587	2,587				
FTE	19.0	19.0	19.0	19.0				
2100-3095.000 NETOR	K COMMUNICATION SERVI	CES DIRECTOR						
Labor	136	136	553	969				
Non-Labor	31	31	236	291				
NSE	0	0	0	0				
Total	167	167	789	1,260				
FTE	1.0	1.0	5.2	9.4				
2100-3096.000 NETWC	RK ENGINEERING-NCS							
Labor	0	0	0	0				
Non-Labor	0	0	0	0				
NSE	0	0	0	0				
Total	0	0	0	0				
FTE	0.0	0.0	0.0	0.0				
	TECHNOLOGY & DEPOT S	ERVICES						
Labor	802	802	802	802				
Non-Labor	50	50	50	50				
NSE	0	0	0	0				
Total	852	852	852	852				
FTE	9.1	9.1	9.1	9.1				
	PRISE SERVER GROUP							
Labor	34	34	34	34				
Non-Labor	0	0	0	0				
NSE	0	0	0	0				
Total	34	34	34	34				
FTE	0.4	0.4	0.4	0.4				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Cost Center:	VARIOUS

]	In 2013\$ (000) Incurred Costs						
	Adjusted-Recorded		Adjusted-Forecast				
	2013	2014	2015	2016			
2100-3099.000 DESK1	OP HARDWARE						
Labor	0	0	0	0			
Non-Labor	596	188	203	219			
NSE	0	0	0	0			
Total		188	203	219			
FTE	0.0	0.0	0.0	0.0			
2100-3100.000 MIDDL	EWARE AND INTERNET ENGI	NEERING					
Labor	1,067	1,067	1,067	1,067			
Non-Labor	198	198	198	198			
NSE	0	0	0	0			
Total	1,265	1,265	1,265	1,265			
FTE	10.0	10.0	10.0	10.0			
2100-3103.000 CSC C		10.0	10.0	10.0			
Labor	0	0	0	0			
Non-Labor	12,114	8,904	9,616	10,385			
NSE	0	0	0,010	0			
Total	12,114	8,904	9,616	10,385			
FTE	0.0	0.0	0.0	0.0			
2100-3105.000 STORA		0.0	0.0	0.0			
Labor	14	14	14	14			
Non-Labor	0	0	0	0			
NSE	0	0	ů 0	0			
Total	14 -	14	14				
FTE	0.2	0.2	0.2	0.2			
	ORK/TELECOM SERVICES - S		0.2	0.2			
Labor	0	0	0	0			
Non-Labor	5,842	6,408	6,921	7,475			
NSE	0	0,408	0,921	0			
Total	5,842	<u> </u>	<u> </u>	7,475			
FTE	0.0	0.0	0.0	0.0			
2100-3107.000 ENTER		0.0	0.0	0.0			
Labor	1,002	1,002	1,002	1,002			
Non-Labor	129	129	129	129			
NSE	0		0				
Total		0		0			
FTE	1,131	1,131	1,131	1,131			
2100-3334.000 SERVE	10.6	10.6	10.6	10.6			
Labor		700	700	700			
Non-Labor	762	762	762	762			
NSE	76	76	76	76			
		0	0	0			
Total	838	838	838	838			
FTE Totals may include rol	8.3	8.3	8.3	8.3			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Cost Center:	VARIOUS

	In 2013\$ (000) Incurred Costs				
	Adjusted-Recorded Adjusted-Forecast				
	2013	2014	2015	2016	
2100-3335.000 UNIX \$	SERVER GROUP				
Labor	30	30	30	30	
Non-Labor	20	20	20	20	
NSE	0	0	0	0	
Total	50	50	50	50	
FTE	0.3	0.3	0.3	0.3	
2100-3494.000 DISTR	IBUTED CONTRACTS				
Labor	0	0	0	0	
Non-Labor	3,232	4,604	4,972	5,370	
NSE	0	0	0	0	
Total	3,232	4,604	4,972	5,370	
FTE	0.0	0.0	0.0	0.0	
2100-3495.000 MAINE					
Labor	0	0	0	0	
Non-Labor	5,701	6,077	6,563	7,088	
NSE	0	0	0	0	
Total	5,701	6,077	6,563	7,088	
FTE	0.0	0.0	0.0	0.0	
2100-3498.000 INFRA	STRUCTURE PROGRAM OFFI				
Labor	286	286	286	286	
Non-Labor	12	12	12	12	
NSE	0	0	0	0	
Total	298	298	298	298	
FTE	2.0	2.0	2.0	2.0	
2100-3500.000 IT NET	WORK FIELD - LAN/WAN VOI				
Labor	304	304	304	304	
Non-Labor	15	15	15	15	
NSE	0	0	0	0	
Total	319	319	319	319	
FTE	3.9	3.9	3.9	3.9	
2100-3501.000 IT NET	WORK HARDWARE SOFTWAI			010	
Labor	0	0	0	0	
Non-Labor	1,066	1,075	1,161	1,254	
NSE	0	0	0	0	
Total	1,066	1,075	1,161	1,254	
FTE	0.0	0.0	0.0	0.0	
	RPRISE COMMAND CENTER	0.0	0.0	5.0	
Labor	1,842	1,842	1,842	1,842	
Non-Labor	66	66	66	66	
NSE	0	0	0	00	
Total	<u>_</u> 1,908	1,908			
FTE	1, <b>908</b> 22.5	22.5	<b>1,908</b> 22.5	1,908	
Totals may include ro		22.0	22.0	22.5	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Cost Center:	VARIOUS

	In 2013\$ (000) Incurred Costs				
	Adjusted-Recorded		Adjusted-Forecast		
	2013	2014	2015	2016	
2100-3544.000 WINTE	EL SERVER GROUP				
Labor	34	34	34	34	
Non-Labor	4	4	4	4	
NSE	0	0	0	0	
Total	38	38	38	38	
FTE	0.4	0.4	0.4	0.4	
	VC MGT & HELP DESK				
Labor	161	161	161	161	
Non-Labor	75	75	75	75	
NSE	0	0	0	0	
Total	236	236	236	236	
FTE	1.7	1.7	1.7	1.7	
2100-3682.000 PROJ	ECT MANAGEMENT OFFICE-	NCS			
Labor	299	299	299	299	
Non-Labor	23	23	23	23	
NSE	0	0	0	0	
Total	322	322	322	322	
FTE	2.7	2.7	2.7	2.7	
2100-3683.000 PROJ	ECT IMPROVEMENT OFFICE-	NCS			
Labor	956	956	956	956	
Non-Labor	138	138	138	138	
NSE	0	0	0	0	
Total	1,094	1,094	1,094	1,094	
FTE	10.0	10.0	10.0	10.0	
2100-3684.000 SERV	ICE DELIVERY - NCS				
Labor	355	355	355	355	
Non-Labor	67	67	67	67	
NSE	0	0	0	0	
Total	422	422	422	422	
FTE	3.9	3.9	3.9	3.9	
2100-3698.000 SERV	ICE DEVELOPMENT PROGRA	M MANAGEMENT			
Labor	-10	-10	209	428	
Non-Labor	2	2	22	42	
NSE	0	0	0	0	
Total	-8	-8	231	470	
FTE	-0.1	-0.1	2.1	4.2	
2100-3824.000 INFRA	AST PRGRM OFFICE				
Labor	203	203	203	203	
Non-Labor	14	14	14	14	
NSE	0	0	0	0	
Total	217	217	217	217	
FTE	1.6	1.6	1.6	1.6	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Cost Center:	VARIOUS

	In 2013\$ (000) Incurred Costs				
	Adjusted-Recorded Adjusted-Forecast				
	2013	2014	2015	2016	
2100-3835.000 SDGE	NETWRK INTEGRA				
Labor	0	0	0	0	
Non-Labor	17	17	17	17	
NSE	0	0	0	0	
Total	17	17	17	17	
FTE	0.0	0.0	0.0	0.0	
2100-3843.000 SCG	NETWORK INTEGRATION				
Labor	1	1	1	1	
Non-Labor	0	0	0	0	
NSE	0	0	0	0	
Total	1	1	1	1	
FTE	0.0	0.0	0.0	0.0	
2100-3855.000 CLIN	SERVICES MAINTENANCE &	SUPPORT			
Labor	0	0	0	0	
Non-Labor	5,471	4,514	4,875	5,265	
NSE	0	0	0	0	
Total	5,471	4,514	4,875	5,265	
FTE	0.0	0.0	0.0	0.0	
2100-3856.000 VOIC	E LEASED CIRCUITS				
Labor	0	0	0	0	
Non-Labor	900	1,069	1,155	1,247	
NSE	0	0 0		0	
Total	900	1,069	1,155	1,247	
FTE	0.0	0.0	0.0	0.0	
2100-3859.000 SDGE			0.0	0.0	
Labor	0	0	0	0	
Non-Labor	327	528	570	616	
NSE	0	0	0	0.0	
Total	327	528	570	616	
FTE	0.0	0.0	0.0	0.0	
2100-3884.000 MGD		0.0	0.0	0.0	
Labor	0	0	0	0	
Non-Labor	888	890	961	1,038	
NSE	0	0	0	0	
Total 888		890	961	1,038	
FTE	0.0	0.0	0.0	0.0	
	E ENTERP SUPPORT	0.0	0.0	0.0	
Labor	426	426	426	426	
Non-Labor	420	420	420	420	
NSE					
Total	0	0	0	0	
FTE	430	430	430	430	
	3.7 ounding differences.	3.7	3.7	3.7	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Cost Center:	VARIOUS

		In 2013\$ (000) Incurred Costs				
	Adjusted-Recorded					
	2013	2014	2015	2016		
2100-3888.000 CLIE	NT TECH SVCS					
Labor	310	310	310	310		
Non-Labor	17	17	17	17		
NSE	0	0	0	0		
Total	327	327	327	327		
FTE	2.4	2.4	2.4	2.4		
2100-3900.000 IT PC	RTFOLIO MANAGEMENT					
Labor	89	89	157	225		
Non-Labor	6	363	628 0	643		
NSE	0	0		0		
Total	95	452	785	868		
FTE	0.6	0.6	1.3	2.1		
2100-4003.000 IT Co	mmunications					
Labor	90	90	90	90		
Non-Labor	1	1	1	1		
NSE	0	0	0	0		
Total	91	91	91	91		
FTE	1.2	1.2	1.2	1.2		

Beginning of Workpaper 2100-0207.000 - TELECOM FIELD VOICE - SDGE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-0207.000 - TELECOM FIELD VOICE - SDGE

## **Activity Description:**

This cost center is responsible for the installation and maintenance of telecom equipment including PBXs, microwave, data and mobile radio services across the SDG&E service territory, including Coprporate Center (parent).

#### **Forecast Explanations:**

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

#### Summary of Results:

Γ	In 2013\$ (000) Incurred Costs							
	Adjusted-Recorded			Adjusted-Forecast				
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	1,259	1,091	1,050	1,203	1,841	1,841	1,841	1,841
Non-Labor	268	188	219	348	476	746	746	746
NSE	0	0	0	0	0	0	0	0
Total	1,527	1,279	1,269	1,552	2,317	2,587	2,587	2,587
FTE	13.2	11.8	11.5	12.1	19.0	19.0	19.0	19.0

Area:	INFORMATION TECHNOLOGY				
Witness:	Stephen J. Mikovits				
Category:	B. Infrastructure				
Category-Sub:	1. Infrastructure				
Cost Center:	2100-0207.000 - TELECOM FIELD VOICE - SDGE				

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

		2013 Adjusted-Recorded				2014 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	105	9	0	114	0.71	105	9	0	114	0.71
Directly Allocated	9	0	0	9	0.09	9	0	0	9	0.09
Subj. To % Alloc.	1,728	467	0	2,195	18.19	1,728	737	0	2,465	18.19
Total Incurred	1,842	476	0	2,318	18.99	1,842	746	0	2,588	18.99
% Allocation										
Retained	91.91%	91.91%				91.37%	91.37%			
SEU	0.00%	0.00%				0.00%	0.00%			
CORP	8.09%	8.09%				8.63%	8.63%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	sted-Fore	cast		2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	105	9	0	114	0.71	105	9	0	114	0.71
Directly Allocated	9	0	0	9	0.09	9	0	0	9	0.09
Subj. To % Alloc.	1,728	737	0	2,465	18.19	1,728	737	0	2,465	18.19
Total Incurred	1,842	746	0	2,588	18.99	1,842	746	0	2,588	18.99
% Allocation										
Retained	91.37%	91.37%				91.37%	91.37%			
SEU	0.00%	0.00%				0.00%	0.00%			
CORP	8.63%	8.63%				8.63%	8.63%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY			
Witness:	Stephen J. Mikovits			
Category:	B. Infrastructure			
Category-Sub:	1. Infrastructure			
Cost Center:	2100-0207.000 - TELECOM FIELD VOICE - SDGE			

### Cost Center Allocation Percentage Drivers/Methodology:

### Cost Center Allocation Percentage for 2013

Calculations are based on the number of LAN IDs used across SDG&E and the Parent. The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across SDG&E and the Parent. The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2015

Calculations are based on the number of LAN IDs used across SDG&E and the Parent. The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across SDG&E and the Parent. The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY				
Witness:	Stephen J. Mikovits				
Category:	B. Infrastructure				
Category-Sub:	1. Infrastructure				
Cost Center:	2100-0207.000 - TELECOM FIELD VOICE - SDGE				

### Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecast	t Method	Bas	se Foreca	ast Forecast Adjustments Adjusted-Forecast						ast
Years	6	2014	2015	2016 2014 2015 2016 2014 2015			2015	2016		
Labor	Base YR Rec	1,841	1,841	1,841	0	0	0	1,841	1,841	1,841
Non-Labor	Base YR Rec	476	476	476	270	270	270	746	746	746
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	2,317	2,317	2,317	270	270	270	2,587	2,587	2,587
FTE	Base YR Rec	19.0	19.0	19.0	0.0	0.0	0.0	19.0	19.0	19.0

### Forecast Adjustment Details:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
2014	0	270	0	270	0.0	1-Sided Adj

IT network telecom GO 95 work. Ensure telecommunications cabling is in compliance and safe per General Order 95 to limit our exposure to fines. Examples include poles, lines, underground facilities, and tower inspections. These are mandated costs, approximately \$15k per telecommunication cabeling repairs (caused by weather, vehicle, or other damage) and averaging 15-20 repairs per year (18 x \$15k). The repairs are necessary to avoid possible violation.

2014 Total	0	270	0	270	0.0		
2015	0	270	0	270	0.0	1-Sided Adj	

IT network telecom GO 95 work. Ensure telecommunications cabling is in compliance and safe per General Order 95 to limit our exposure to fines. Examples include poles, lines, underground facilities, and tower inspections. These are mandated costs, approximately \$15k per telecommunication cabeling repairs (caused by weather, vehicle, or other damage) and averaging 15-20 repairs per year (18 x \$15k). The repairs are necessary to avoid possible violation.

2015 Total	0	270	0	270	0.0
2016	0	270	0	270	0.0 1-Sided Adj

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-0207.000 - TELECOM FIELD VOICE - SDGE

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	FTE Adj Type
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IT network telecom GO 95 work. Ensure telecommunications cabling is in compliance and safe per General Order 95 to limit our exposure to fines. Examples include poles, lines, underground facilities, and tower inspections. These are mandated costs, approximately \$15k per telecommunication cabeling repairs (caused by weather, vehicle, or other damage) and averaging 15-20 repairs per year (18 x \$15k). The repairs are necessary to avoid possible violation.

270 0 270 0.0	0 270 0	2016 Total
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Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-0207.000 - TELECOM FIELD VOICE - SDGE

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

-	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
corded (Nominal \$)*					
Labor	996	879	881	1,033	1,589
Non-Labor	245	176	210	342	476
NSE	0	0	0	0	0
Total	1,241	1,055	1,091	1,376	2,065
FTE	11.3	10.1	9.9	10.4	16.2
djustments (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
ecorded-Adjusted (Nomina	al \$)				
Labor	996	879	881	1,033	1,589
Non-Labor	245	176	210	342	476
NSE	0	0	0	0	0
Total	1,241	1,055	1,091	1,376	2,065
FTE	11.3	10.1	9.9	10.4	16.2
acation & Sick (Nominal \$	5)				
Labor	154	140	130	150	252
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	154	140	130	150	252
FTE	1.9	1.7	1.6	1.7	2.8
scalation to 2013\$					
Labor	109	72	39	20	0
Non-Labor	23	12	8	6	0
NSE	0	0	0	0	0
Total	132	85	48	26	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	1,259	1,091	1,050	1,203	1,841
Non-Labor	268	188	219	348	476
NSE	0	0	0	0	0
Total	1,527	1,279	1,269	1,552	2,317
FTE	13.2	11.8	11.5	12.1	19.0

\* 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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 217 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-0207.000 - TELECOM FIELD VOICE - SDGE

## 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				

Beginning of Workpaper 2100-3095.000 - NETORK COMMUNICATION SERVICES DIRECTOR

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3095.000 - NETORK COMMUNICATION SERVICES DIRECTOR

#### **Activity Description:**

This cost center includes the Director of IT Computing Infrastructure and his administrative support. Activities include department level management for plan, design, build, implementation and management of system-wide network and telecommunications infrastructure.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

### Summary of Results:

Γ	In 2013\$ (000) Incurred Costs												
		Adju	isted-Recor	Ad	Adjusted-Forecast								
Years	2009	2009 2010		2012	2013	2014	2015	2016					
Labor	159	177	96	-24	136	136	553	969					
Non-Labor	516	279	207	61	31	31	236	291					
NSE	0	0	0	0	0	0	0	0					
Total	675	456	303	37	166	166	788	1,259					
FTE	1.3	1.5	0.9	-0.8	1.0	1.0	5.2	9.4					

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3095.000 - NETORK COMMUNICATION SERVICES DIRECTOR

### Cost Center Allocations (Incurred Costs):

		2013 Adju	sted-Reco	orded	2014 Adjusted-Forec				cast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	4	0	0	4	0.03	4	0	0	4	0.03
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	132	30	0	162	1.00	132	30	0	162	1.00
Total Incurred	136	30	0	166	1.03	136	30	0	166	1.03
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adiu	sted-Fore	cast			2016 Adii	usted-Fore	cast	

	2015 Adjusted-Porecast					2016 Adjusted-Porecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	4	0	0	4	0.03	4	0	0	4	0.03
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	549	235	0	784	5.20	965	290	0	1,255	9.40
Total Incurred	553	235	0	788	5.23	969	290	0	1,259	9.43
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:B. InfrastructureCategory-Sub:1. InfrastructureCost Center:2100-3095.000 - NETORK COMMUNICATION SERVICES DIRECTOR

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3095.000 - NETORK COMMUNICATION SERVICES DIRECTOR

### Forecast Summary:

			In 201	3 \$(000) Ir	ncurred Co	sts				
Forecas	Forecast Method Base Forecast Forec						cast Adjustments Adjusted-Forecas			
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	136	136	136	0	417	833	136	553	969
Non-Labor	Base YR Rec	31	31	31	0	205	260	31	236	291
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	al	166	166	166	0	622	1,093	166	788	1,259
FTE	Base YR Rec	1.0	1.0	1.0	0.0	4.2	8.4	1.0	5.2	9.4
orecast Adju	ustment Details:									
<u>Year/Ex</u>	pl. Labo	<u>r 1</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Typ</u>	<u>pe</u>		
2014 T	otal (	)	0	0	0	0.0				
2015	178	3	30	0	208	1.8	1-Sided	Adi		

2.25 new employees to support new IT initiatives across the company in 2015 and in 2016. \$100k average salary plus \$10k per employee in associated NL costs.

Incremental Employee requirements were estimated to be 15 headcount across the IT DIvision in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

2015	239	25	0	264	2.4	1-Sided Adj

4.8 FTE s at \$100k per year and \$10k per employee in associated NL costs, split across 2015 and 2016. 5 telecom support technicians planned for SGCS deployment, based upon SCGS plan. Management estimate of 4 SAP/LINUX analysts to support the expanding SAP landscape, ECM system expansion, and CPD work completion.

2015	0	150	0	150	0.0	1-Sided Adj
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Develop a five-year network strategy and migration plan to leverage emerging technologies for improved reliability and performance of our network environment. Management estimate for average consulting engagement (4-6 months) to analyze networking capabilities across 80 manned and unmanned sites.

4.2	622	0	205	417	2015 Total
-----	-----	---	-----	-----	------------

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3095.000 - NETORK COMMUNICATION SERVICES DIRECTOR

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u> <u>Adj Type</u>
2016	178	30	0	208	1.8 1-Sided Adj

2.25 new employees to support new IT initiatives across the company in 2015 and in 2016. \$100k average salary plus \$10k per employee in associated NL costs.

Incremental Employee requirements were estimated to be 15 headcount across the IT DIvision in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

2016	178	30	0	208	1.8	1-Sided Adj
------	-----	----	---	-----	-----	-------------

2.25 new employees to support new IT initiatives across the company in 2015 and in 2016. \$100k average salary plus \$10k per employee in associated NL costs.

Incremental Employee requirements were estimated to be 15 headcount across the IT DIvision in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

2016	477	50	0	527	4.8	1-Sided Adj
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4.8 FTE s at \$100k per year and \$10k per employee in associated NL costs, split across 2015 and 2016. 5 telecom support technicians planned for SGCS deployment, based upon SCGS plan. Management estimate of 4 SAP/LINUX analysts to support the expanding SAP landscape, ECM system expansion, and CPD work completion.

2016 0 150 0 150 0.0 1-Sided Adj

Develop a five-year network strategy and migration plan to leverage emerging technologies for improved reliability and performance of our network environment. Management estimate for average consulting engagement (4-6 months) to analyze networking capabilities across 80 manned and unmanned sites.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3095.000 - NETORK COMMUNICATION SERVICES DIRECTOR

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

etermination of Aujusteu	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	273	290	228	170	117
Non-Labor	474	264	202	66	31
NSE	0	0	0	0	0
Total	748	553	430	236	148
FTE	2.1	2.3	1.8	1.3	0.9
djustments (Nominal \$) **					
Labor	-147	-147	-147	-191	0
Non-Labor	-3	-3	-3	-6	0
NSE	0	0	0	0	0
Total	-150	-150	-150	-197	0
FTE	-1.0	-1.0	-1.0	-2.0	0.0
Recorded-Adjusted (Nomin	al \$)				
Labor	126	142	81	-21	117
Non-Labor	471	261	199	60	31
NSE	0	0	0	0	0
Total	597	403	280	39	148
FTE	1.1	1.3	0.8	-0.7	0.9
acation & Sick (Nominal \$	5)				
Labor	19	23	12	-3	19
Non-Labor	0	0	0	0	0
NSE	0	0	0	<u> </u>	0
Total	19	23	12	-3	19
FTE	0.2	0.2	0.1	-0.1	0.2
scalation to 2013\$					
Labor	14	12	4	0	0
Non-Labor	45	18	8	1	0
NSE	0	0	0	0	0
Total	58	30	11	1	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	159	177	96	-24	136
Non-Labor	516	279	207	61	31
NSE	0	0	0	0	0
Total	675	456	303	37	166
FTE	1.3	1.5	0.9	-0.8	1.1

\* 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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 225 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3095.000 - NETORK COMMUNICATION SERVICES DIRECTOR

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs							
Years	2009	2010	2011	2012	2013		
Labor	-147	-147	-147	-191	0		
Non-Labor	-3	-3	-3	-6	0		
NSE	0	0	0	0	0		
Total	-150	-150	-150	-197	0		
FTE	-1.0	-1.0	-1.0	-2.0	0.0		

### Detail of Adjustments to Recorded:

Year/Expl.	Labor	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	Adj Type	From CCtr	<u>RefID</u>
2009	-147	-3	0	-1.0 CCTF	R Transf	To 2200-2406.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to S	CG as o	of 2013			031124855210
2009 Total	-147	-3	0	-1.0			
2010	-147	-3	0	-1.0 CCTF	R Transf	To 2200-2406.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031124948890
2010 Total	-147	-3	0	-1.0			
2011	-147	-3	0	-1.0 CCTF	R Transf	To 2200-2406.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to S	CG as o	of 2013			031125050277
2011 Total	-147	-3	0	-1.0			
2012	-191	-6	0	-2.0 CCTF	R Transf	To 2200-2406.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to S	CG as o	of 2013			031125149367
2012 Total	-191	-6	0	-2.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3095.000 - NETORK COMMUNICATION SERVICES DIRECTOR

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

Beginning of Workpaper 2100-3096.000 - NETWORK ENGINEERING-NCS

Area:	INFORMATION TECHNOLOGY				
Witness:	Stephen J. Mikovits				
Category:	B. Infrastructure				
Category-Sub	1. Infrastructure				
Cost Center:	2100-3096.000 - NETWORK ENGINEERING-NCS				

#### **Activity Description:**

This cost center supported IT network engineering costs. Due to departmental reorganization, these costs have been shifted to other infrastructure cost centers.

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### NA

### Summary of Results:

		In 2013\$ (000) Incurred Costs										
		Adju	isted-Recor	ded		Adjusted-Forecast						
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	1,286	1,718	1,565	305	0	0	0	0				
Non-Labor	882	947	471	688	0	0	0	0				
NSE	0	0	0	0	0	0	0	0				
Total	2,169	2,665	2,036	993	0	0	0	0				
FTE	12.6	17.6	15.4	2.2	0.0	0.0	0.0	0.0				

Area:	INFORMATION TECHNOLOGY				
Witness:	Stephen J. Mikovits				
Category:	B. Infrastructure				
Category-Sub:	1. Infrastructure				
Cost Center:	2100-3096.000 - NETWORK ENGINEERING-NCS				

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

		2013 Adju:	sted-Reco	rded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	0	0	0	0.00	0	0	0	0	0.00
Total Incurred	0	0	0	0	0.00	0	0	0	0	0.00
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adju	sted-Fore	cast		2016 Adjı	sted-Fore	cast		

		•			-					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	0	0	0	0.00	0	0	0	0	0.00
Total Incurred	0	0	0	0	0.00	0	0	0	0	0.00
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3096.000 - NETWORK ENGINEERING-NCS

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2015

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY				
Witness:	Stephen J. Mikovits				
Category:	B. Infrastructure				
Category-Sub:	1. Infrastructure				
Cost Center:	2100-3096.000 - NETWORK ENGINEERING-NCS				

### Forecast Summary:

	In 2013 \$(000) Incurred Costs											
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjust	ments	Adjusted-Forecast				
Years	5	2014	2014 2015 2016		2014	2015	2016	2014	2015	2016		
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0		
Non-Labor	Base YR Rec	0	0	0	0	0	0	0	0	0		
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0		
Tota	I	0	0	0	0	0	0	0	0	0		
FTE	Base YR Rec	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>	<u>FTE</u>	<u>Adj Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3096.000 - NETWORK ENGINEERING-NCS

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

	a-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	1,274	1,641	1,649	598	0
Non-Labor	818	897	468	691	0
NSE	0	0	0	0	0
Total	2,092	2,537	2,118	1,289	0
FTE	13.8	18.0	17.2	5.9	0.0
djustments (Nominal \$) *	*				
Labor	-256	-256	-336	-336	0
Non-Labor	-12	-12	-15	-15	0
NSE	0	0	0	0	0
Total	-268	-268	-351	-351	0
FTE	-3.0	-3.0	-4.0	-4.0	0.0
ecorded-Adjusted (Nomin	nal \$)				
Labor	1,018	1,384	1,313	261	0
Non-Labor	806	885	453	676	0
NSE	0	0	0	0	0
Total	1,824	2,269	1,766	938	0
FTE	10.8	15.0	13.2	1.9	0.0
acation & Sick (Nominal	\$)				
Labor	157	220	193	38	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	157	220	193	38	0
FTE	1.8	2.6	2.2	0.3	0.0
scalation to 2013\$					
Labor	111	114	59	5	0
Non-Labor	76	63	18	12	0
NSE	0	0	0	0	0
Total	188	176	76	17	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	1,286	1,718	1,565	305	0
Non-Labor	882	947	471	688	0
NSE	0	0	0	0	0
Total	2,169	2,665	2,036	993	0
FTE	12.6	17.6	15.4	2.2	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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3096.000 - NETWORK ENGINEERING-NCS

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs							
Years	2009	2010	2011	2012	2013		
Labor	-256	-256	-336	-336	0		
Non-Labor	-12	-12	-15	-15	0		
NSE	0	0	0	0	0		
Total	-268	-268	-351	-351	0		
FTE	-3.0	-3.0	-4.0	-4.0	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	<u>RefID</u>	
2009	-205	-9	0	-2.0 CC	TR Transf	To 2200-2466.000	FFIGUERO20131 031125613230	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013				
2009	-51	-3	0	-1.0 CC	TR Transf	To 2200-2469.000	FFIGUERO20131 031130150060	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031130130060	
2009 Total	-256	-12	0	-3.0				
2010	-205	-9	0	-2.0 CC	TR Transf	To 2200-2466.000	FFIGUERO20131 031125705807	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013				
2010	-51	-3	0	-1.0 CC	TR Transf	To 2200-2469.000	FFIGUERO20131 031130237263	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			051150257205	
2010 Total	-256	-12	0	-3.0				
2011	-80	-3	0	-1.0 CC	TR Transf	To 2200-2456.000	FFIGUERO20131 031125343227	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031120343221	
2011	-205	-9	0	-2.0 CC	TR Transf	To 2200-2466.000	FFIGUERO20131	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031125755013	

Area: Witness: Category: Category-Sub: Cost Center:	Steph B. Infi 1. Infr	RMATION TE en J. Mikovit: rastructure rastructure 3096.000 - N	S		EERING-NCS		
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	RefID
2011	-51	-3	0	-1.0 C	CTR Transf	To 2200-2469.000	FFIGUERO20131
IT Employe	e Transfer fr	om SDGE to	SCG as o	of 2013			031130322230
2011 Total	-336	-15	0	-4.0			
2012	-80	-3	0	-1.0 C	CTR Transf	To 2200-2456.000	FFIGUERO20131
IT Employe	e Transfer fr	om SDGE to	SCG as o	of 2013			031125436653
2012	-205	-9	0	-2.0 C	CTR Transf	To 2200-2466.000	FFIGUERO20131
IT Employe	e Transfer fr	om SDGE to	SCG as o	of 2013			031130022963
2012	-51	-3	0	-1.0 C	CTR Transf	To 2200-2469.000	FFIGUERO20131
IT Employe	e Transfer fr	om SDGE to	SCG as o	of 2013			031130358000
2012 Total	-336	-15	0	-4.0			
2013 Total	0	0	0	0.0			

Beginning of Workpaper 2100-3097.000 - CLIENT TECHNOLOGY & DEPOT SERVICES

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3097.000 - CLIENT TECHNOLOGY & DEPOT SERVICES

#### **Activity Description:**

Provides management and support services for system-wide Client Technology and Depot services.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

#### Summary of Results:

				ln 2013\$ (00	0) Incurred (	Costs		
		Adju	sted-Recor	Ad	Adjusted-Forecast			
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	1,041	1,166	818	796	802	802	802	802
Non-Labor	167	47	55	121	50	50	50	50
NSE	0	0	0	0	0	0	0	0
Total	1,208	1,213	873	917	852	852	852	852
FTE	13.8	15.9	11.2	10.1	9.1	9.1	9.1	9.1

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3097.000 - CLIENT TECHNOLOGY & DEPOT SERVICES

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

		2013 Adju	sted-Reco	rded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	5	0	0	5	0.00	5	0	0	5	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	797	50	0	847	9.13	797	50	0	847	9.13
Total Incurred	802	50	0	852	9.13	802	50	0	852	9.13
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			
-										

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	5	0	0	5	0.00	5	0	0	5	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	797	50	0	847	9.13	797	50	0	847	9.13
Total Incurred	802	50	0	852	9.13	802	50	0	852	9.13
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:B. InfrastructureCategory-Sub:1. InfrastructureCost Center:2100-3097.000 - CLIENT TECHNOLOGY & DEPOT SERVICES

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

The IT & Client Services cost centers provides infrastructure computing services for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. The LAN ID use across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

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

The IT & Client Services cost centers provides infrastructure computing services for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. The LAN ID use across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

#### **Cost Center Allocation Percentage for 2015**

The IT & Client Services cost centers provides infrastructure computing services for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. The LAN ID use across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

#### Cost Center Allocation Percentage for 2016

The IT & Client Services cost centers provides infrastructure computing services for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. The LAN ID use across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3097.000 - CLIENT TECHNOLOGY & DEPOT SERVICES

### Forecast Summary:

In 2013 \$(000) Incurred Costs											
Forecas	t Method	Bas	se Foreca	st	Forecast Adjustments			Adjusted-Forecast			
Years		2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	802	802	802	0	0	0	802	802	802	
Non-Labor	Base YR Rec	50	50	50	0	0	0	50	50	50	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	I	852	852	852	0	0	0	852	852	852	
FTE	Base YR Rec	9.1	9.1	9.1	0.0	0.0	0.0	9.1	9.1	9.1	
	etmont Dotailou										

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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3097.000 - CLIENT TECHNOLOGY & DEPOT SERVICES

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	1,084	1,199	946	944	692
Non-Labor	164	56	65	131	50
NSE	0	0	0	0	0
Total	1,248	1,255	1,012	1,075	742
FTE	14.8	16.6	12.7	11.7	7.8
djustments (Nominal \$) **					
Labor	-260	-260	-260	-260	0
Non-Labor	-12	-12	-12	-12	0
NSE	0	0	0	0	0
Total	-272	-272	-272	-272	0
FTE	-3.0	-3.0	-3.0	-3.0	0.0
ecorded-Adjusted (Nomina	ll \$)				
Labor	824	939	686	683	692
Non-Labor	152	44	53	119	50
NSE	0	0	0	0	0
Total	976	983	739	802	742
FTE	11.8	13.6	9.7	8.7	7.8
acation & Sick (Nominal \$)					
Labor	127	150	101	99	110
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	127	150	101	99	110
FTE	2.0	2.4	1.6	1.4	1.4
scalation to 2013\$					
Labor	90	77	31	14	0
Non-Labor	14	3	2	2	0
NSE	0	0	0	0	0
Total	105	80	33	16	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Constan	nt 2013\$)				
Labor	1,041	1,166	818	796	802
Non-Labor	167	47	55	121	50
NSE	0	0	0	0	0
Total	1,208	1,213	873	917	852
FTE	13.8	16.0	11.3	10.1	9.2

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3097.000 - CLIENT TECHNOLOGY & DEPOT SERVICES

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs									
Years	2009	2010	2011	2012	2013				
Labor	-260	-260	-260	-260	0				
Non-Labor	-12	-12	-12	-12	0				
NSE	0	0	0	0	0				
Total	-272	-272	-272	-272	0				
FTE	-3.0	-3.0	-3.0	-3.0	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	<u>RefID</u>	
2009	-171	-9	0	-2.0 CC	TR Transf	To 2200-2453.000	FFIGUERO20131 031130522650	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013				
2009	-89	-3	0	-1.0 CC	TR Transf	To 2200-2455.000	FFIGUERO20131	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031131009230	
2009 Total	-260	-12	0	-3.0				
2010	-171	-9	0	-2.0 CC	TR Transf	To 2200-2453.000	FFIGUERO20131 031130632553	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			001100002000	
2010	-89	-3	0	-1.0 CC	TR Transf	To 2200-2455.000	FFIGUERO20131	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031131110390	
2010 Total	-260	-12	0	-3.0				
2011	-171	-9	0	-2.0 CC	TR Transf	To 2200-2453.000	FFIGUERO20131 031130741580	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031130741300	
2011	-89	-3	0	-1.0 CC	TR Transf	To 2200-2455.000	FFIGUERO20131	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031131146817	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3097.000 - CLIENT TECHNOLOGY & DEPOT SERVICES

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>					
2011 Total	-260	-12	0	-3.0								
2012	-171	-9	0	-2.0 C	CTR Transf	To 2200-2453.000	FFIGUERO20131 031130856620					
IT Employe	e Transfer fr	om SDGE to	SCG as o	of 2013			031130030020					
2012	-89	-3	0	-1.0 C	CTR Transf	To 2200-2455.000	FFIGUERO20131					
IT Employe	IT Employee Transfer from SDGE to SCG as of 2013											
2012 Total	-260	-12	0	-3.0								

2013 Total	0	0	0	0.0	
	U	U	•	0.0	

Beginning of Workpaper 2100-3098.000 - ENTERPRISE SERVER GROUP

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3098.000 - ENTERPRISE SERVER GROUP

#### **Activity Description:**

Provide engineering for both the SoCal Gas and SDG&E Enterprise Server for CIS, CISCO, PACER, SORT, and other critical and non-critical applications. Also supports disaster recovery.

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### N/A

### Summary of Results:

	In 2013\$ (000) Incurred Costs										
		Adju	isted-Recor	ded		Adjusted-Forecast					
Years	2009	2010	2011	2012	2013	2014	2015	2016			
Labor	205	228	321	502	34	34	34	34			
Non-Labor	-6	16	-3	-5	0	0	0	0			
NSE	0	0	0	0	0	0	0	0			
Total	200	244	318	497	35	35	35	35			
FTE	1.9	2.5	3.7	5.2	0.4	0.4	0.4	0.4			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3098.000 - ENTERPRISE SERVER GROUP

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

		2013 Adju	2014 Adjusted-Forecast							
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	34	0	0	34	0.39	34	0	0	34	0.39
Total Incurred	34	0	0	34	0.39	34	0	0	34	0.39
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast					2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	34	0	0	34	0.39	34	0	0	34	0.39
Total Incurred	34	0	0	34	0.39	34	0	0	34	0.39
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

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

**Cost Center Allocation Percentage for 2013** 

**Cost Center Allocation Percentage for 2014** 

**Cost Center Allocation Percentage for 2015** 

**Cost Center Allocation Percentage for 2016** 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3098.000 - ENTERPRISE SERVER GROUP

### Forecast Summary:

			In 201	3 \$(000) Ir	ncurred Co	sts				
Forecast	t Method	Bas	se Foreca	st	Forecast Adjustments Adjusted-Forecas					ast
Years	8	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	34	34	34	0	0	0	34	34	34
Non-Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	35	35	35	0	0	0	35	35	35
FTE	Base YR Rec	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4

Forecast Adjustment Details:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3098.000 - ENTERPRISE SERVER GROUP

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

etermination of Aujuster	a-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	486	507	592	754	30
Non-Labor	7	27	9	7	0
NSE	0	0	0	0	0
Total	492	534	602	761	30
FTE	4.6	5.1	6.2	7.5	0.3
djustments (Nominal \$) *	*				
Labor	-323	-323	-323	-323	0
Non-Labor	-12	-12	-12	-12	0
NSE	0	0	0	0	0
Total	-335	-335	-335	-335	0
FTE	-3.0	-3.0	-3.0	-3.0	0.0
Recorded-Adjusted (Nomin	nal \$)				
Labor	162	184	269	431	30
Non-Labor	-5	15	-3	-5	0
NSE	0	0	0	0	0
Total	157	199	267	426	30
FTE	1.6	2.1	3.2	4.5	0.3
acation & Sick (Nominal	\$)				
Labor	25	29	40	62	5
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	25	29	40	62	5
FTE	0.3	0.4	0.5	0.7	0.1
scalation to 2013\$					
Labor	18	15	12	9	0
Non-Labor	-1	1	0	0	0
NSE	0	0	0	0	0
Total	17	16	12	8	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Const	tant 2013\$)				
Labor	205	228	321	502	34
Non-Labor	-6	16	-3	-5	0
NSE	0	0	0	0	0
Total	200	244	318	497	35
FTE	1.9	2.5	3.7	5.2	0.4

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3098.000 - ENTERPRISE SERVER GROUP

### Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs							
Years	2009	2010	2011	2012	2013		
Labor	-323	-323	-323	-323	0		
Non-Labor	-12	-12	-12	-12	0		
NSE	0	0	0	0	0		
Total	-335	-335	-335	-335	0		
FTE	-3.0	-3.0	-3.0	-3.0	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	<u>RefID</u>
2009	-77	-3	0		TR Transf	To 2200-2463.000	FFIGUERO20131 031131349057
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			
2009	-246	-9	0	-2.0 CC	TR Transf	To 2200-2464.000	FFIGUERO20131 031131811980
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031131011900
2009 Total	-323	-12	0	-3.0			
2010	-77	-3	0	-1.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131 031131431060
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			
2010	-246	-9	0	-2.0 CC	TR Transf	To 2200-2464.000	FFIGUERO20131 031131848607
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031131040007
2010 Total	-323	-12	0	-3.0			
2011	-77	-3	0	-1.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031131548537
2011	-246	-9	0	-2.0 CC	TR Transf	To 2200-2464.000	FFIGUERO20131
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031131941277

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3098.000 - ENTERPRISE SERVER GROUP

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>
2011 Total	-323	-12	0	-3.0			
2012	-77	-3	0	-1.0 C	CTR Transf	To 2200-2463.000	FFIGUERO20131
IT Employe	e Transfer fr	om SDGE to	SCG as o	of 2013			031131649047
2012	-246	-9	0	-2.0 C	CTR Transf	To 2200-2464.000	FFIGUERO20131
IT Employe	e Transfer fr	om SDGE to	SCG as o	of 2013			031132045847
2012 Total	-323	-12	0	-3.0			

2013 Total 0 0 0.0

Beginning of Workpaper 2100-3099.000 - DESKTOP HARDWARE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3099.000 - DESKTOP HARDWARE

#### **Activity Description:**

Develop and implement distributed server hardware and software standards, processes and procedures, and configurations on a system-wide basis. Provide desktop engineering services and guidance to CSC for system-wide desktop standards.

#### **Forecast Explanations:**

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

### Summary of Results:

[	In 2013\$ (000) Incurred Costs								
		Adju	isted-Recor	ded		Adjusted-Forecast			
Years	2009	2010	2011	2012	2013	2014	2015	2016	
Labor	0	0	0	0	0	0	0	0	
Non-Labor	1,554	1,274	1,276	1,031	596	188	203	219	
NSE	0	0	0	0	0	0	0	0	
Total	1,554	1,274	1,276	1,031	596	188	203	219	
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3099.000 - DESKTOP HARDWARE

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

		2013 Adju		2014 Adju	usted-Fore	cast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	171	0	171	0.00	0	21	0	21	0.00
Directly Allocated	0	211	0	211	0.00	0	11	0	11	0.00
Subj. To % Alloc.	0	214	0	214	0.00	0	156	0	156	0.00
Total Incurred	0	596	0	596	0.00	0	188	0	188	0.00
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	21	0	21	0.00	0	21	0	21	0.00
Directly Allocated	0	11	0	11	0.00	0	11	0	11	0.00
Subj. To % Alloc.	0	171	0	171	0.00	0	187	0	187	0.00
Total Incurred	0	203	0	203	0.00	0	219	0	219	0.00
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3099.000 - DESKTOP HARDWARE

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

The IT & Client Services cost centers provides infrastructure computing services for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. The LAN ID use across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

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

The IT & Client Services cost centers provides infrastructure computing services for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. The LAN ID use across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

#### **Cost Center Allocation Percentage for 2015**

The IT & Client Services cost centers provides infrastructure computing services for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. The LAN ID use across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

#### Cost Center Allocation Percentage for 2016

The IT & Client Services cost centers provides infrastructure computing services for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. The LAN ID use across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3099.000 - DESKTOP HARDWARE
Category: Category-Sub:	B. Infrastructure 1. Infrastructure

#### Forecast Summary:

			In 201	3 \$(000) lı	ncurred Co	sts				
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjus	ted-Forec	ast
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
Non-Labor	Base YR Rec	596	596	596	-408	-393	-377	188	203	219
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	ıl	596	596	596	-408	-393	-377	188	203	219
FTE	Base YR Rec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

#### Forecast Adjustment Details:

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
2014	0	-200	0	-200	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

Cost savings in 2014 related to reduction in Ricoh service levels. 2015 & 2016 estimated increases of 8% based upon historical averages of similar services and business-driven growth.

2014 0 -150 0 -150 0.0 1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

Cost savings in 2014 related to reduction in Ricoh service levels. 2015 & 2016 estimated increases of 8% based upon historical averages of similar services and business-driven growth.

2014	0	-58	0	-58	0.0	1-Sided Adj
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2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

Cost savings in 2014 related to reduction in Ricoh service levels. 2015 & 2016 estimated increases of 8% based upon historical averages of similar services and business-driven growth.

2014 Total	0	-408	0	-408	0.0	
2015	0	-150	0	-150	0.0	1-Sided Adj

Area: Witness: Category: Category-Sub:	INFORMATION T Stephen J. Mikov B. Infrastructure 1. Infrastructure		Y				
Cost Center:	2100-3099.000 -	DESKTOP H	ARDWARE				
<u>Year/Expl.</u>	<u>Labor</u>		<u>NSE</u>	<u>Total</u>	<u>FTE Adj</u>		
	justment to current contract and the second se		-				
	vings in 2014 related es of 8% based upon						
2015	0	-200	0	-200	0.0 1	-Sided Adj	
	justment to current contract and the second se		-				
	vings in 2014 related as of 8% based upon						
2015	0	-43	0	-43	0.0 1	-Sided Adj	
	justment to current connection of historical av		-				
	vings in 2014 related es of 8% based upon						
2015 Total	0	-393	0	-393	0.0		
2016	0	-150	0	-150	0.0 1	-Sided Adj	
	justment to current contract and the second se		-				
	vings in 2014 related es of 8% based upon						
2016	0	-27	0	-27	0.0 1	-Sided Adj	
	justment to current contract and the second se		•			•	
	vings in 2014 related es of 8% based upon						
2016	0	-200	0	-200	0.0 1	-Sided Adj	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3099.000 - DESKTOP HARDWARE

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	NSE	<u>Total</u>	FTE Adj Type
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2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

Cost savings in 2014 related to reduction in Ricoh service levels. 2015 & 2016 estimated increases of 8% based upon historical averages of similar services and business-driven growth.

16 Total 0 -377 0 -377 0.0
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Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3099.000 - DESKTOP HARDWARE

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	1,420	1,190	1,228	1,013	596
NSE	0	0	0	0	0
Total	1,420	1,190	1,228	1,013	596
FTE	0.0	0.0	0.0	0.0	0.0
djustments (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
ecorded-Adjusted (Nomina	al \$)				
Labor	0	0	0	0	0
Non-Labor	1,420	1,190	1,228	1,013	596
NSE	0	0	0	0	0
Total	1,420	1,190	1,228	1,013	596
FTE	0.0	0.0	0.0	0.0	0.0
acation & 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
scalation to 2013\$					
Labor	0	0	0	0	0
Non-Labor	135	84	48	18	0
NSE	0	0	0	0	0
Total	135	84	48	18	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	0	0	0
Non-Labor	1,554	1,274	1,276	1,031	596
NSE	0	0	0	0	0
Total	1,554	1,274	1,276	1,031	596
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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 258 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3099.000 - DESKTOP HARDWARE

### 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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3100.000 - MIDDLEWARE AND INTERNET ENGINEERING

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3100.000 - MIDDLEWARE AND INTERNET ENGINEERING

#### **Activity Description:**

Infrastructure engineering support for the following systems: email, Gateways, FTP, Enterprise System Management, middleware and Internet technologies such as directories and web and application servers that are used on a system-wide basis.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### NSE - Base YR Rec

N/A

### Summary of Results:

Γ				In 2013\$ (00	0) Incurred C	Costs		
		Adju	isted-Recor	ded		Ad	justed-Fore	cast
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	1,297	1,290	1,119	962	1,067	1,067	1,067	1,067
Non-Labor	29	20	41	23	198	198	198	198
NSE	0	0	0	0	0	0	0	0
Total	1,326	1,310	1,160	985	1,265	1,265	1,265	1,265
FTE	12.0	12.2	10.8	9.4	10.0	10.0	10.0	10.0

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3100.000 - MIDDLEWARE AND INTERNET ENGINEERING

### Cost Center Allocations (Incurred Costs):

	2013 Adjusted-Recorded						2014 Adjı	sted-Fore	cast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	1	0	0	1	0.01	1	0	0	1	0.01
Directly Allocated	61	5	0	66	0.62	61	5	0	66	0.62
Subj. To % Alloc.	1,005	193	0	1,198	9.32	1,005	193	0	1,198	9.32
Total Incurred	1,067	198	0	1,265	9.95	1,067	198	0	1,265	9.95
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adjus	sted-Fore	cast		2016 Adjı	sted-Fore	cast		

	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	1	0	0	1	0.01	1	0	0	1	0.01
Directly Allocated	61	5	0	66	0.62	61	5	0	66	0.62
Subj. To % Alloc.	1,005	193	0	1,198	9.32	1,005	193	0	1,198	9.32
Total Incurred	1,067	198	0	1,265	9.95	1,067	198	0	1,265	9.95
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:B. InfrastructureCategory-Sub:1. InfrastructureCost Center:2100-3100.000 - MIDDLEWARE AND INTERNET ENGINEERING

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3100.000 - MIDDLEWARE AND INTERNET ENGINEERING

### Forecast Summary:

	In 2013 \$(000) Incurred Costs										
Forecast	t Method	Bas	se Foreca	e Forecast Forecast Adjustments					Adjusted-Forecast		
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	1,067	1,067	1,067	0	0	0	1,067	1,067	1,067	
Non-Labor	Base YR Rec	198	198	198	0	0	0	198	198	198	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	I	1,265	1,265	1,265	0	0	0	1,265	1,265	1,265	
FTE	Base YR Rec	10.0	10.0	10.0	0.0	0.0	0.0	10.0	10.0	10.0	

### Forecast Adjustment Details:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3100.000 - MIDDLEWARE AND INTERNET ENGINEERING

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

·····,····	a-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	1,210	1,223	1,123	1,010	921
Non-Labor	35	28	49	31	198
NSE	0	0	0	0	0
Total	1,245	1,251	1,171	1,041	1,119
FTE	12.3	12.4	11.3	10.1	8.5
djustments (Nominal \$) *	*				
Labor	-184	-184	-184	-184	0
Non-Labor	-9	-9	-9	-9	0
NSE	0	0	0	0	0
Total	-193	-193	-193	-193	0
FTE	-2.0	-2.0	-2.0	-2.0	0.0
ecorded-Adjusted (Nomir	nal \$)				
Labor	1,026	1,039	939	826	921
Non-Labor	26	19	40	22	198
NSE	0	0	0	0	0
Total	1,052	1,058	979	849	1,119
FTE	10.3	10.4	9.3	8.1	8.5
acation & Sick (Nominal S	\$)				
Labor	158	165	138	120	146
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	158	165	138	120	146
FTE	1.7	1.8	1.5	1.3	1.5
scalation to 2013\$					
Labor	112	85	42	16	0
Non-Labor	3	1	2	0	0
NSE	0	0	0	0	0
Total	115	87	44	17	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	1,297	1,290	1,119	962	1,067
Non-Labor	29	20	41	23	198
NSE	0	0	0	0	0
Total	1,326	1,310	1,160	985	1,265
FTE	12.0	12.2	10.8	9.4	10.0

\* 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3100.000 - MIDDLEWARE AND INTERNET ENGINEERING

### Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs										
Years	2009	2010	2011	2012	2013					
Labor	-184	-184	-184	-184	0					
Non-Labor	-9	-9	-9	-9	0					
NSE	0	0	0	0	0					
Total	-193	-193	-193	-193	0					
FTE	-2.0	-2.0	-2.0	-2.0	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	-73	-3	0	-1.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131	
IT Employee	e Transfer fron	n SDGE to S	CG as o	f 2013			031132210050	
2009	-65	-3	0	-1.0 CC	TR Transf	To 2200-2464.000	FFIGUERO20131	
IT Employee	e Transfer fron	n SDGE to S	CG as o	f 2013			031132649260	
2009	-46	-3	0	0.0 CC	TR Transf	To 2200-2467.000	FFIGUERO20131	
IT Employee	e Transfer fron	n SDGE to S	CG as o	f 2013			031133016723	
2009 Total	-184	-9	0	-2.0				
2010	-73	-3	0	-1.0 CC <sup>-</sup>	TR Transf	To 2200-2463.000	FFIGUERO20131	
IT Employee	e Transfer fron	n SDGE to S	CG as o	f 2013			031132257350	
2010	-65	-3	0		TR Transf	To 2200-2464.000	FFIGUERO20131	
		-				10 2200-2404.000	031132728263	
IT Employee	e Transfer fron	n SDGE to S	CG as o	f 2013				
2010	-46	-3	0	0.0 CC	TR Transf	To 2200-2467.000	FFIGUERO20131	
IT Employee	e Transfer fron	n SDGE to S	CG as o	f 2013			031133103660	
2010 Total	-184	-9	0	-2.0				

Area: Witness: Category: Category-Sub: Cost Center:	Steph B. Infr 1. Infr	RMATION TE en J. Mikovit: astructure astructure 3100.000 - M	S		ID INTERNET E	NGINEERING	
Year/Expl.	Labor	NLbr	NSE	FTE	Adj Type	From CCtr	RefID
2011	-73 ee Transfer fro	-3	0		CCTR Transf	To 2200-2463.000	FFIGUERO20131 031132407967
2011	-65	-3	0	-1.0 (	CCTR Transf	To 2200-2464.000	FFIGUERO20131 031132814997
2011	ee Transfer fro -46	-3	0	0.0	CCTR Transf	To 2200-2467.000	FFIGUERO20131 031133131180
IT Employe	ee Transfer fro	om SDGE to	SCG as c	of 2013			
2011 10181	-104	-9	U	-2.0			
2012 IT Employe	-73 ee Transfer fro	-3	0 SCG as c		CCTR Transf	To 2200-2463.000	FFIGUERO20131 031132451657
2012	-65	-3	0	-1.0 (	CCTR Transf	To 2200-2464.000	FFIGUERO20131 031132854500
	ee Transfer fro	om SDGE to					
2012	-46	-3	0	0.0	CCTR Transf	To 2200-2467.000	FFIGUERO20131 031133207213
IT Employe	ee Transfer fro	om SDGE to	SCG as c	of 2013			001100207210
2012 Total	-184	-9	0	-2.0			

2013 Total 0 0 0.0

Beginning of Workpaper 2100-3103.000 - CSC CONTRACT SERVICES

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3103.000 - CSC CONTRACT SERVICES

#### **Activity Description:**

This cost center includes the CSC contract for desktop and other services.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

#### 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	0	0	0	0	0	0	0	0
Non-Labor	11,091	10,424	10,190	9,927	12,114	8,904	9,616	10,385
NSE	0	0	0	0	0	0	0	0
Total	11,091	10,424	10,190	9,927	12,114	8,904	9,616	10,385
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3103.000 - CSC CONTRACT SERVICES

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

		2013 Adju	orded	2014 Adjusted-Forecast						
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	12,114	0	12,114	0.00	0	8,904	0	8,904	0.00
Total Incurred	0	12,114	0	12,114	0.00	0	8,904	0	8,904	0.00
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast					2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	9,616	0	9,616	0.00	0	10,385	0	10,385	0.00
Total Incurred	0	9,616	0	9,616	0.00	0	10,385	0	10,385	0.00
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3103.000 - CSC CONTRACT SERVICES

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

This cost center provides Scalable Platform Services support for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by this cost center. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts.

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

This cost center provides Scalable Platform Services support for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by this cost center. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts.

#### **Cost Center Allocation Percentage for 2015**

This cost center provides Scalable Platform Services support for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by this cost center. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts.

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

This cost center provides Scalable Platform Services support for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by this cost center. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3103.000 - CSC CONTRACT SERVICES

### Forecast Summary:

	In 2013 \$(000) Incurred Costs										
Forecast	t Method	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjus	ted-Forec	ast	
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0	
Non-Labor	Base YR Rec	12,114	12,114	12,114	-3,210	-2,498	-1,729	8,904	9,616	10,385	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	I	12,114	12,114	12,114	-3,210	-2,498	-1,729	8,904	9,616	10,385	
FTE	Base YR Rec	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>	<u>FTE</u>	<u>Adj Type</u>
2014	0	-3,210	0	-3,210	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

Please see SDG&E-19-WP, cost center 2100-3103.000. This cost center includes desktop services, which reflects a non-recurring cost of \$3.2 million which was adjusted in 2014. An 8% escalation rate was applied to 2015-2016 based upon business-driven growth.

2014 Total	0	-3,210	0	-3,210	0.0		
2015	0	-3,210	0	-3,210	0.0	1-Sided Adj	

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

Please see SDG&E-19-WP, cost center 2100-3103.000. This cost center includes desktop services, which reflects a non-recurring cost of \$3.2 million which was adjusted in 2014. An 8% escalation rate was applied to 2015-2016 based upon business-driven growth.

2015	0	712	0	712	0.0	1-Sided Adj
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2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

Please see SDG&E-19-WP, cost center 2100-3103.000. This cost center includes desktop services, which reflects a non-recurring cost of \$3.2 million which was adjusted in 2014. An 8% escalation rate was applied to 2015-2016 based upon business-driven growth.

FORMATION TECHNOLOGY
ephen J. Mikovits
Infrastructure
Infrastructure
00-3103.000 - CSC CONTRACT SERVICES

<u>Year/Expl.</u>	Labor	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u> <u>Adi Type</u>	
2015 Total	0	-2,498	0	-2,498	0.0	
2016	0	-3,210	0	-3,210	0.0 1-Sided Adj	
-			•		scalation of 8% based upon usiness-driven growth.	
services, w	hich reflects a n	on-recurring	cost of \$3.2	million which	t center includes desktop was adjusted in 2014. An ss-driven growth.	
2016	0	712	0	712	0.0 1-Sided Adj	
-			•		scalation of 8% based upon usiness-driven growth.	
services, w	hich reflects a n	on-recurring	cost of \$3.2	million which	t center includes desktop was adjusted in 2014. An ss-driven growth.	
2016	0	769	0	769	0.0 1-Sided Adj	
•			•		scalation of 8% based upon usiness-driven growth.	
services, w	hich reflects a n	on-recurring	cost of \$3.2	million which	t center includes desktop was adjusted in 2014. An ss-driven growth.	
2016 Total	0	-1,729	0	-1,729	0.0	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3103.000 - CSC CONTRACT SERVICES

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

	-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
corded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	10,131	9,735	9,807	9,758	12,114
NSE	0	0	0	0	0
Total	10,131	9,735	9,807	9,758	12,114
FTE	0.0	0.0	0.0	0.0	0.0
ljustments (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
ecorded-Adjusted (Nomina	al \$)				
Labor	0	0	0	0	0
Non-Labor	10,131	9,735	9,807	9,758	12,114
NSE	0	0	0	0	0
Total	10,131	9,735	9,807	9,758	12,114
FTE	0.0	0.0	0.0	0.0	0.0
acation & 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
calation to 2013\$					
Labor	0	0	0	0	0
Non-Labor	961	689	382	169	0
NSE	0	0	0	0	0
Total	961	689	382	169	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	0	0	0
Non-Labor	11,091	10,424	10,190	9,927	12,114
NSE	0	0	0	0	0
Total	11,091	10,424	10,190	9,927	12,114
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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 274 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3103.000 - CSC CONTRACT SERVICES

### 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				

Beginning of Workpaper 2100-3105.000 - STORAGE AND ADMINISTRATION

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3105.000 - STORAGE AND ADMINISTRATION

### **Activity Description:**

Performs all platform changes, change management, and system administration that can be achieved from a central point. Includes managing application integrity, email, web, disk storage administration, and disaster recovery testing.

#### **Forecast Explanations:**

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### NSE - Base YR Rec

N/A

### Summary of Results:

[		In 2013\$ (000) Incurred Costs						
		Adju	isted-Recor	ded		Ad	justed-Fored	cast
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	1,285	936	438	98	14	14	14	14
Non-Labor	385	-77	30	2	0	0	0	0
NSE	0	0	0	0	0	0	0	0
Total	1,670	859	468	100	15	15	15	15
FTE	12.0	8.5	3.4	0.4	0.2	0.2	0.2	0.2

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3105.000 - STORAGE AND ADMINISTRATION

### Cost Center Allocations (Incurred Costs):

		2013 Adjus	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	14	0	0	14	0.20	14	0	0	14	0.20
Total Incurred	14	0	0	14	0.20	14	0	0	14	0.20
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adjus	sted-Fore	cast			2016 Adjı	sted-Fore	cast	

	-				-					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	14	0	0	14	0.20	14	0	0	14	0.20
Total Incurred	14	0	0	14	0.20	14	0	0	14	0.20
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3105.000 - STORAGE AND ADMINISTRATION

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3105.000 - STORAGE AND ADMINISTRATION

### Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjusted-Forecast		
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	14	14	14	0	0	0	14	14	14
Non-Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	al	15	15	15	0	0	0	15	15	15
FTE	Base YR Rec	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2

Forecast Adjustment Details:

Year/Expl.	Labor	<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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3105.000 - STORAGE AND ADMINISTRATION

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

Determination of Adjusted-	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	1,227	965	578	295	13
Non-Labor	360	-66	38	11	0
NSE	0	0	0	0	0
Total	1,588	899	616	306	13
FTE	13.3	10.2	5.9	3.4	0.2
Adjustments (Nominal \$) **					
Labor	-211	-211	-211	-211	0
Non-Labor	-9	-6	-9	-9	0
NSE	0	0	0	0	0
Total	-220	-217	-220	-220	0
FTE	-3.0	-3.0	-3.0	-3.0	0.0
Recorded-Adjusted (Nomina	al \$)				
Labor	1,017	754	367	85	13
Non-Labor	351	-72	29	2	0
NSE	0	0	0	0	0
Total	1,368	683	397	86	13
FTE	10.3	7.2	2.9	0.4	0.2
/acation & Sick (Nominal \$)	)				
Labor	157	120	54	12	2
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	157	120	54	12	2
FTE	1.7	1.2	0.5	0.1	0.0
Escalation to 2013\$					
Labor	111	62	16	2	0
Non-Labor	33	-5	1	0	0
NSE	0	0	0	0	0
Total	145	57	18	2	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Consta	nt 2013\$)				
Labor	1,285	936	438	98	14
Non-Labor	385	-77	30	2	0
NSE	0	0	0	0	0
Total	1,670	859	468	100	15
FTE	12.0	8.4	3.4	0.5	0.2

\* 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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 281 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3105.000 - STORAGE AND ADMINISTRATION

### Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs										
Years	<u>2009</u> <u>2010</u> <u>2011</u> <u>2012</u> <u>2013</u>									
Labor	-211	-211	-211	-211	0					
Non-Labor	-9	-6	-9	-9	0					
NSE	0	0	0	0	0					
Total	-220	-217	-220	-220	0					
FTE	-3.0	-3.0	-3.0	-3.0	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	<u>RefID</u>
2009	-71	-3	0	-1.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to S	CG as o	f 2013			031134104543
2009	-70	-3	0	-1.0 CC	TR Transf	To 2200-2464.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to S	CG as o	f 2013			031134557253
2009	-69	-3	0	-1.0 CC <sup>-</sup>	TR Transf	To 2200-2466.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to S	CG as o	f 2013			031134859597
2009 Total	-211	-9	0	-3.0			
		-0		0.0			
2010 IT Employee	-71 Transfer fro	-0.001 m SDGE to S	0 CG as o		TR Transf	To 2200-2463.000	FFIGUERO20131 031134141490
2010	-70	-3	0		TR Transf	To 2200-2464.000	FFIGUERO20131
	Transfer fro	om SDGE to S	CG as o	f 2013			031134629943
2010	-69	-3	0		TR Transf	To 2200-2466.000	FFIGUERO20131
		-					031134939137
T Employee	ransiering	m SDGE to S	cc as o	12013			
2010 Total	-211	-6	0	-3.0			

Area:	-	RMATION TE		DGY			
Witness:		en J. Mikovit	S				
Category:		rastructure					
Category-Sub:		astructure					
Cost Center:	2100-	3105.000 - S	TORAGE	AND A	DMINISTRATIO	N	
<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	RefID
2011	-71	-3	0	-1.0 0	CCTR Transf	To 2200-2463.000	FFIGUERO20131 031134338783
IT Employe	e Transfer fr	om SDGE to	SCG as c	of 2013			031134330703
2011	-70	-3	0	-1.0 0	CCTR Transf	To 2200-2464.000	FFIGUERO20131
	o Transfor fr	om SDGE to	SCG as o	f 2013			031134713830
2011	-69	-3	0	-1.0 (	CCTR Transf	To 2200-2466.000	FFIGUERO20131
IT Employe	e Transfer fr	om SDGE to	SCG as c	of 2013			031135010527
2011 Total	-211	-9	0	-3.0			
2012	-71	-3	0	-1.0 0	CCTR Transf	To 2200-2463.000	FFIGUERO20131
	- <i></i>	-					031134441540
II Employe	e Transfer fr	om SDGE to					
2012	-70	-3	0	-1.0 (	CCTR Transf	To 2200-2464.000	FFIGUERO20131
IT Employe	e Transfer fr	om SDGE to	SCG as c	of 2013			031134756100
2012	-69	-3	0	-1.0 0	CCTR Transf	To 2200-2466.000	FFIGUERO20131
IT Emplove	e Transfer fr	om SDGE to	SCG as c	of 2013			031135039310
2012 Total	-211	-9	0	-3.0			
	-211	-9	U	-3.0			
2013 Total	0	0	0	0.0			

Note: Totals may include rounding differences.

Beginning of Workpaper 2100-3106.000 - NETWORK/TELECOM SERVICES - SDG&E

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3106.000 - NETWORK/TELECOM SERVICES - SDG&E

### **Activity Description:**

Provides system-wide leased lines for transmission of voice and data information for utilities and affiliates including circuits, trunks, long distance, remote access, and vendor costs for billing analysis.

### Forecast Explanations:

## Labor - Base YR Rec

No labor in this cost center

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

#### Summary of Results:

[				In 2013\$ (00	0) Incurred (	Costs		
		Adju	isted-Recor	ded		Ad	justed-Fore	cast
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	0	0	0	0	0	0	0	0
Non-Labor	6,249	6,611	6,661	6,674	5,842	6,408	6,921	7,475
NSE	0	0	0	0	0	0	0	0
Total	6,249	6,611	6,661	6,674	5,842	6,408	6,921	7,475
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3106.000 - NETWORK/TELECOM SERVICES - SDG&E

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

		2013 Adju	sted-Reco	orded		2014 Adju	usted-Fore	ecast		
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	560	0	560	0.00	0	560	0	560	0.00
Directly Allocated	0	22	0	22	0.00	0	22	0	22	0.00
Subj. To % Alloc.	0	5,260	0	5,260	0.00	0	5,826	0	5,826	0.00
Total Incurred	0	5,842	0	5,842	0.00	0	6,408	0	6,408	0.00
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	560	0	560	0.00	0	560	0	560	0.00
Directly Allocated	0	22	0	22	0.00	0	22	0	22	0.00
Subj. To % Alloc.	0	6,339	0	6,339	0.00	0	6,893	0	6,893	0.00
Total Incurred	0	6,921	0	6,921	0.00	0	7,475	0	7,475	0.00
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3106.000 - NETWORK/TELECOM SERVICES - SDG&E

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

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3106.000 - NETWORK/TELECOM SERVICES - SDG&E

#### Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecast	t Method	Bas	Base Forecast			ast Adjust	ments	Adjusted-Forecast		
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
Non-Labor	Base YR Rec	5,842	5,842	5,842	566	1,079	1,633	6,408	6,921	7,475
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	5,842	5,842	5,842	566	1,079	1,633	6,408	6,921	7,475
FTE	Base YR Rec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

#### Forecast Adjustment Details:

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
2014	0	566	0	566	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2014 Total	0	566	0	566	0.0	
2015	0	566	0	566	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2015	0	513	0	513	0.0	1-Sided Adj
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2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3106.000 - NETWORK/TELECOM SERVICES - SDG&E

Year/Expl.	Labor	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	FTE Adj Type	
2015 Total	0	1,079	0	1,079	0.0	
2016	0	566	0	566	0.0 1-Sided A	dj
•			•		scalation of 8% based usiness-driven growth.	•
services, an	d other contract	s are anticip	ated to esca	late by approx	vices, client support imately 8% per year ir vendor cost escalatior	
2016	0	513	0	513	0.0 1-Sided A	dj
					scalation of 8% based usiness-driven growth.	
services, an	d other contract	s are anticip	ated to esca	late by approx	vices, client support imately 8% per year ir vendor cost escalatior	
2016	0	554	0	554	0.0 1-Sided A	dj
•			•		scalation of 8% based usiness-driven growth.	•
services, an	d other contract	s are anticip	ated to esca	late by approx	vices, client support imately 8% per year ir vendor cost escalatior	
2016 Total	٥	1 633	٥	1 633	0.0	

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Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3106.000 - NETWORK/TELECOM SERVICES - SDG&E

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

·····,····,	2009 (\$000) -Recorded (Incurred Co	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	5,206	5,606	5,823	6,561	5,842
NSE	0	0	0	0	0
Total	5,206	5,606	5,823	6,561	5,842
FTE	0.0	0.0	0.0	0.0	0.0
djustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	502	568	588	0	0
NSE	0	0	0	0	0
Total	502	568	588	0	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Nomin	al \$)				
Labor	0	0	0	0	0
Non-Labor	5,708	6,174	6,411	6,561	5,842
NSE	0	0	0	0	0
Total	5,708	6,174	6,411	6,561	5,842
FTE	0.0	0.0	0.0	0.0	0.0
acation & Sick (Nominal \$	5)				
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
scalation to 2013\$					
Labor	0	0	0	0	0
Non-Labor	541	437	250	113	0
NSE	0	0	0	0	0
Total	541	437	250	113	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	0	0	0
Non-Labor	6,249	6,611	6,661	6,674	5,842
NSE	0	0	0	0	0
Total	6,249	6,611	6,661	6,674	5,842
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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3106.000 - NETWORK/TELECOM SERVICES - SDG&E

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2009	2010	2011	2012	2013
Labor	0	0	0	0	0
Non-Labor	502	568	588	0	0
NSE	0	0	0	0	0
Total	502	568	588	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	<u>RefID</u>
2009	0	502	0	0.0 CC	CTR Transf	From 2100-0042.000	CSCHRAMM2013 1025164552620
	0.000 cost c	enter 2100-	0042 to I	nformatio	n Technology	erations - Work USS cost center	1025104552020
2009 Total	0	502	0	0.0			
			0				
2010	0	568	0	0.0 CC	TR Transf	From 2100-0042.000	CSCHRAMM2013 1025164738520
	0.000 cost c	enter 2100-	0042 to I	nformatio	n Technology	erations - Work USS cost center	1023104730520
2010 Total	0	568	0	0.0			
2011	0	588	0	0.0 CC	TR Transf	From 2100-0042.000	CSCHRAMM2013
	0.000 cost c	enter 2100-	0042 to I	nformatio	n Technology	erations - Work USS cost center	1025164818390
2011 Total	0	588	0	0.0			
2012 Total	0	0	0	0.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3106.000 - NETWORK/TELECOM SERVICES - SDG&E

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

Beginning of Workpaper 2100-3107.000 - ENTERPRISE OPERATIONS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3107.000 - ENTERPRISE OPERATIONS

#### **Activity Description:**

This group is responsible for operating processes, monitoring and maintaining of the Enterprise and Distributive delivery infrastructures. This operational support structure is in place to ensure business service levels are attained while being cost efficient. In addition, this organization is capable of identifying services outages and provide a resolution process for first and second level problem tiers.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

#### Summary of Results:

[		In 2013\$ (000) Incurred Costs						
		Adju	isted-Recor	ded		Ad	justed-Fore	cast
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	593	699	776	701	1,002	1,002	1,002	1,002
Non-Labor	38	42	80	97	129	129	129	129
NSE	0	0	0	0	0	0	0	0
Total	631	741	856	798	1,131	1,131	1,131	1,131
FTE	6.2	7.6	8.3	7.7	10.6	10.6	10.6	10.6

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3107.000 - ENTERPRISE OPERATIONS

### Cost Center Allocations (Incurred Costs):

		2013 Adju	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	34	0	0	34	0.28	34	0	0	34	0.28
Subj. To % Alloc.	969	129	0	1,098	10.31	969	129	0	1,098	10.31
Total Incurred	1,003	129	0	1,132	10.59	1,003	129	0	1,132	10.59
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	2016 Adjusted-Forecast							
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
<b>Directly Retained</b>	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	34	0	0	34	0.28	34	0	0	34	0.28
Subj. To % Alloc.	969	129	0	1,098	10.31	969	129	0	1,098	10.31
Total Incurred	1,003	129	0	1,132	10.59	1,003	129	0	1,132	10.59
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3107.000 - ENTERPRISE OPERATIONS

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

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3107.000 - ENTERPRISE OPERATIONS

### Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecast	Forecast Method Base Forecast			Forec	ast Adjust	ments	Adjusted-Forecast			
Years	S	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	1,002	1,002	1,002	0	0	0	1,002	1,002	1,002
Non-Labor	Base YR Rec	129	129	129	0	0	0	129	129	129
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	ıl	1,131	1,131	1,131	0	0	0	1,131	1,131	1,131
FTE	Base YR Rec	10.6	10.6	10.6	0.0	0.0	0.0	10.6	10.6	10.6

### 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3107.000 - ENTERPRISE OPERATIONS

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

	a-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
corded (Nominal \$)*					
Labor	766	860	948	899	865
Non-Labor	47	51	89	107	129
NSE	0	0	0	0	0
Total	813	911	1,037	1,006	994
FTE	8.3	9.5	10.1	9.6	9.0
djustments (Nominal \$) *	*				
Labor	-297	-297	-297	-297	0
Non-Labor	-12	-12	-12	-12	0
NSE	0	0	0	0	0
Total	-309	-309	-309	-309	0
FTE	-3.0	-3.0	-3.0	-3.0	0.0
ecorded-Adjusted (Nomir	nal \$)				
Labor	469	563	651	602	865
Non-Labor	35	39	77	95	129
NSE	0	0	0	0	0
Total	504	602	728	697	994
FTE	5.3	6.5	7.1	6.6	9.0
acation & Sick (Nominal S	\$)				
Labor	72	90	96	87	137
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	72	90	96	87	137
FTE	0.9	1.1	1.2	1.1	1.6
scalation to 2013\$					
Labor	51	46	29	12	0
Non-Labor	3	3	3	2	0
NSE	0	0	0	0	0
Total	55	49	32	14	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	593	699	776	701	1,002
Non-Labor	38	42	80	97	129
NSE	0	0	0	0	0
Total	631	741	856	798	1,131
FTE	6.2	7.6	8.3	7.7	10.6

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

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

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3107.000 - ENTERPRISE OPERATIONS

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs						
Years	2009	2010	2011	2012	2013	
Labor	-297	-297	-297	-297	0	
Non-Labor	-12	-12	-12	-12	0	
NSE	0	0	0	0	0	
Total	-309	-309	-309	-309	0	
FTE	-3.0	-3.0	-3.0	-3.0	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	<u>RefID</u>	
2009	-236	-9	0	-2.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131 031135205817	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			001100200011	
2009	-62	-3	0	-1.0 CC	TR Transf	To 2200-2464.000	FFIGUERO20131	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031135501147	
2009 Total	-297	-12	0	-3.0				
2010	-236	-9	0	-2.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031135241240	
2010	-62	-3	0	-1.0 CC	TR Transf	To 2200-2464.000	FFIGUERO20131	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031135539200	
2010 Total	-297	-12	0	-3.0				
2011	-236	-9	0	-2.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031135330593	
2011	-62	-3	0	-1.0 CC	TR Transf	To 2200-2464.000	FFIGUERO20131	
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031135602730	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3107.000 - ENTERPRISE OPERATIONS

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>
2011 Total	-297	-12	0	-3.0			
2012	-236	-9	0	-2.0 C	CTR Transf	To 2200-2463.000	FFIGUERO20131
IT Employe	e Transfer fr	om SDGE to	SCG as o	of 2013			031135409890
2012	-62	-3	0	-1.0 C	CTR Transf	To 2200-2464.000	FFIGUERO20131
IT Employe	e Transfer fr	om SDGE to	SCG as o	of 2013			031135635500
2012 Total	-297	-12	0	-3.0			

2013 Total 0 0 0.0

Beginning of Workpaper 2100-3334.000 - SERVER MANAGEMENT

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3334.000 - SERVER MANAGEMENT

#### **Activity Description:**

This Operations support group is responsible for providing 7/24 coverage and maintainability for distributive UNIX class servers at prime locations of RB, CP, SD Headquarters, MPK, and GCT. This group also has this same responsibility for remote locations, such as company Bases and Payment Offices.

#### Forecast Explanations:

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

### Summary of Results:

[	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	ded		Ad	justed-Fored	cast				
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	425	445	417	839	762	762	762	762				
Non-Labor	46	22	10	203	76	76	76	76				
NSE	0	0	0	0	0	0	0	0				
Total	472	467	427	1,042	838	838	838	838				
FTE	4.5	5.0	4.6	8.4	8.3	8.3	8.3	8.3				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3334.000 - SERVER MANAGEMENT

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

		2013 Adju	2014 Adjusted-Forecast							
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	1	0	0	1	0.01	1	0	0	1	0.01
Directly Allocated	28	11	0	39	0.21	28	11	0	39	0.21
Subj. To % Alloc.	734	64	0	798	8.06	734	64	0	798	8.06
Total Incurred	763	75	0	838	8.28	763	75	0	838	8.28
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	1	0	0	1	0.01	1	0	0	1	0.01
Directly Allocated	28	11	0	39	0.21	28	11	0	39	0.21
Subj. To % Alloc.	734	64	0	798	8.06	734	64	0	798	8.06
Total Incurred	763	75	0	838	8.28	763	75	0	838	8.28
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3334.000 - SERVER MANAGEMENT

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

### Cost Center Allocation Percentage for 2013

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3334.000 - SERVER MANAGEMENT

### Forecast Summary:

			In 201	3 \$(000) Ir	ncurred Cos	sts				
Forecast	t Method	Bas	se Foreca	st	Forec	ast Adjust	ments	Adjus	ted-Forec	ast
Years		2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	762	762	762	0	0	0	762	762	762
Non-Labor	Base YR Rec	76	76	76	0	0	0	76	76	76
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	838	838	838	0	0	0	838	838	838
FTE	Base YR Rec	8.3	8.3	8.3	0.0	0.0	0.0	8.3	8.3	8.3
	- to to									

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	

INFORMATION TECHNOLOGY
Stephen J. Mikovits
B. Infrastructure
1. Infrastructure
2100-3334.000 - SERVER MANAGEMENT

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

j	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	337	359	350	720	658
Non-Labor	42	20	10	200	76
NSE	0	0	0	0	0
Total	379	379	359	920	734
FTE	3.9	4.3	4.0	7.3	7.0
djustments (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	337	359	350	720	658
Non-Labor	42	20	10	200	76
NSE	0	0	0	0	0
Total	379	379	359	920	734
FTE	3.9	4.3	4.0	7.3	7.0
acation & Sick (Nominal \$	5)				
Labor	52	57	52	104	104
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	52	57	52	104	104
FTE	0.7	0.7	0.6	1.2	1.2
scalation to 2013\$					
Labor	37	29	16	14	0
Non-Labor	4	1	0	3	0
NSE	0	0	0	0	0
Total	41	31	16	18	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Constant	ant 2013\$)				
Labor	425	445	417	839	762
Non-Labor	46	22	10	203	76
NSE	0	0	0	0	0
Total	472	467	427	1,042	838
FTE	4.6	5.0	4.6	8.5	8.2

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

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

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3334.000 - SERVER MANAGEMENT

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs											
Years	<u>2009</u> <u>2010</u> <u>2011</u> <u>2012</u> <u>2013</u>										
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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3335.000 - UNIX SERVER GROUP

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3335.000 - UNIX SERVER GROUP

#### **Activity Description:**

This Operations support group is responsible for providing 7/24 system-wide coverage and maintainability for servers at prime locations of RB, CP, SD Headquarters, MPK, and GCT. This group also has this same responsibility for remote locations, such as company Bases and Payment Offices.

#### Forecast Explanations:

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

### Summary of Results:

[	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	ded		Ad	Adjusted-Forecast					
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	460	384	164	234	30	30	30	30				
Non-Labor	32	23	13	23	20	20	20	20				
NSE	0	0	0	0	0	0	0	0				
Total	492	407	177	258	50	50	50	50				
FTE	4.9	3.8	1.3	1.9	0.3	0.3	0.3	0.3				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3335.000 - UNIX SERVER GROUP

### Cost Center Allocations (Incurred Costs):

		2013 Adjus	sted-Reco	rded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	3	0	0	3	0.03	3	0	0	3	0.03
Directly Allocated	1	0	0	1	0.01	1	0	0	1	0.01
Subj. To % Alloc.	27	20	0	47	0.24	27	20	0	47	0.24
Total Incurred	31	20	0	51	0.28	31	20	0	51	0.28
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adju	sted-Fore	cast			2016 Adjı	sted-Fore	cast	

	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	3	0	0	3	0.03	3	0	0	3	0.03
Directly Allocated	1	0	0	1	0.01	1	0	0	1	0.01
Subj. To % Alloc.	27	20	0	47	0.24	27	20	0	47	0.24
Total Incurred	31	20	0	51	0.28	31	20	0	51	0.28
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3335.000 - UNIX SERVER GROUP

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

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3335.000 - UNIX SERVER GROUP

### Forecast Summary:

In 2013 \$(000) Incurred Costs												
t Method	Bas	se Foreca	st	Forec	ast Adjus	tments	Adjus	ted-Forec	ast			
5	2014	2015	2016	2014	2015	2016	2014	2015	2016			
Base YR Rec	30	30	30	0	0	0	30	30	30			
Base YR Rec	20	20	20	0	0	0	20	20	20			
Base YR Rec	0	0	0	0	0	0	0	0	0			
I	50	50	50	0	0	0	50	50	50			
Base YR Rec	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3			
orecast Adjustment Details:												
	Base YR Rec Base YR Rec Base YR Rec Base YR Rec Base YR Rec	2014Base YR Rec30Base YR Rec20Base YR Rec0Base YR Rec0Base YR Rec0.3	MethodBase ForecaBase YR Rec20142015Base YR Rec3030Base YR Rec2020Base YR Rec00Base YR Rec00Base YR Rec0.30.3	Method    Base Forecast      2014    2015    2016      Base YR Rec    30    30    30      Base YR Rec    20    20    20      Base YR Rec    0    0    0      Base YR Rec    0.3    0.3    0.3	Method    Base Forecast    Forecast      2014    2015    2016    2014      Base YR Rec    30    30    30    0      Base YR Rec    20    20    20    0      Base YR Rec    0    0    0    0      Base YR Rec    0    0    0    0      Base YR Rec    0    0    0    0      Base YR Rec    0.3    0.3    0.3    0.0	Method    Base Forecast    Forecast Adjust      2014    2015    2016    2014    2015      Base YR Rec    30    30    30    0    0      Base YR Rec    20    20    20    0    0      Base YR Rec    0    0    0    0    0      Base YR Rec    0.3    0.3    0.3    0.0    0	Method    Base Forecast    Forecast Adjustments      2014    2015    2016    2014    2015    2016      Base YR Rec    30    30    30    0    0    0      Base YR Rec    20    20    20    0    0    0      Base YR Rec    0    0    0    0    0    0      Base YR Rec    0    0    0    0    0    0      Base YR Rec    0    0    0    0    0    0    0      Base YR Rec    0    0    0    0    0    0    0      Base YR Rec    0.3    0.3    0.3    0.0    0.0    0	Method    Base Forecast    Forecast Adjustments    Adjustments      Base YR Rec    2014    2015    2016    2014    2015    2016    2014    2015    2016    30    30    30    30    0    0    0    30    30    30    30    30    0    0    0    30    30    30    30    30    0    0    0    30    30    30    30    30    30    0    0    0    30    30    30    30    30    30    30    0    0    0    30	Method    Base Forecast    Forecast Adjustments    Adjusted-Forecast      Base YR Rec    2014    2015    2016    2014    2015    2016    2014    2015    2016    30    30    30    30    0    0    0    0    30    30    30    30    30    30    0    0    0    0    30    30    30    30    30    30    30    0    0    0    0    3			

<u>Year/Expl.</u>	<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	

INFORMATION TECHNOLOGY
Stephen J. Mikovits
B. Infrastructure
1. Infrastructure
2100-3335.000 - UNIX SERVER GROUP

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

j	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	702	647	547	611	26
Non-Labor	44	36	30	41	20
NSE	0	0	0	0	0
Total	746	684	578	652	46
FTE	7.2	6.2	5.1	5.7	0.2
djustments (Nominal \$) *	*				
Labor	-338	-338	-410	-410	0
Non-Labor	-15	-15	-18	-18	0
NSE	0	0	0	0	0
Total	-353	-353	-428	-428	0
FTE	-3.0	-3.0	-4.0	-4.0	0.0
ecorded-Adjusted (Nomir	nal \$)				
Labor	364	310	138	201	26
Non-Labor	29	21	12	23	20
NSE	0	0	0	0	0
Total	393	331	150	224	46
FTE	4.2	3.2	1.1	1.7	0.2
acation & Sick (Nominal S	\$)				
Labor	56	49	20	29	4
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	56	49	20	29	4
FTE	0.7	0.6	0.2	0.3	0.0
scalation to 2013\$					
Labor	40	25	6	4	0
Non-Labor	3	1	0	0	0
NSE	0	0	0	0	0
Total	43	27	7	4	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	460	384	164	234	30
Non-Labor	32	23	13	23	20
NSE	0	0	0	0	0
Total	492	407	177	258	50
FTE	4.9	3.8	1.3	2.0	0.2

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3335.000 - UNIX SERVER GROUP

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs										
Years	2009	2010	2011	2012	2013					
Labor	-338	-338	-410	-410	0					
Non-Labor	-15	-15	-18	-18	0					
NSE	0	0	0	0	0					
Total	-353	-353	-428	-428	0					
FTE	-3.0	-3.0	-4.0	-4.0	0.0					

### Detail of Adjustments to Recorded:

Year/Expl.	Labor	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>
2009	-94	-3	0	-1.0 CCT	R Transf	To 2200-2463.000	FFIGUERO20131
IT Employee	e Transfer fror	n SDGE to S	CG as o	f 2013			031135728137
2009	-141	-6	0	-1.0 CCT	R Transf	To 2200-2466.000	FFIGUERO20131
IT Employee	e Transfer fror	n SDGE to S	CG as o	f 2013			031140319237
2009	-103	-6	0	-1.0 CCT	R Transf	To 2200-2467.000	FFIGUERO20131
IT Employee	e Transfer fror	n SDGE to S	CG as o	f 2013			031140611170
2009 Total	-338	-15	0	-3.0			
2010	-94	-3	0	-1.0 CCT	R Transf	To 2200-2463.000	FFIGUER020131
IT Employee	e Transfer fror	n SDGE to S	CG as o	f 2013			031135840770
2010	-141	-6	0	-1.0 CCT	R Transf	To 2200-2466.000	FFIGUERO20131
IT Employee	e Transfer fror	n SDGE to S	CG as o	f 2013			031140405447
2010	-103	-6	0	-1.0 CCT	R Transf	To 2200-2467.000	FFIGUERO20131
IT Employee	e Transfer fror	n SDGE to S	CG as o	f 2013			031140651547
2010 Total	-338	-15	0	-3.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3335.000 - UNIX SERVER GROUP
Category-Sub:	1. Infrastructure

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>
2011	-94	-3	0	-1.0 C	CTR Transf	To 2200-2463.000	FFIGUERO20131
IT Employe	ee Transfer fr	om SDGE to	SCG as c	of 2013			031135921700
2011	-72	-3	0	-1.0 C	CTR Transf	To 2200-2464.000	FFIGUERO20131 031140151833
IT Employe	ee Transfer fr	om SDGE to	SCG as c	of 2013			001140101000
2011	-141	-6	0	-1.0 C	CTR Transf	To 2200-2466.000	FFIGUERO20131 031140443080
IT Employe	ee Transfer fr	om SDGE to	SCG as c	of 2013			031140443000
2011	-103	-6	0	-1.0 C	CTR Transf	To 2200-2467.000	FFIGUERO20131
IT Employe	ee Transfer fr	om SDGE to	SCG as c	of 2013			031140722197
2011 Total	-410	-18	0	-4.0			
2012	-94	-3	0	-1.0 C	CTR Transf	To 2200-2463.000	FFIGUERO20131
IT Employe	ee Transfer fr	om SDGE to	SCG as c	of 2013			031140009180
2012	-72	-3	0	-1.0 C	CTR Transf	To 2200-2464.000	FFIGUERO20131
IT Employe	ee Transfer fr	om SDGE to	SCG as c	of 2013			031140226983
2012	-141	-6	0	-1.0 C	CTR Transf	To 2200-2466.000	FFIGUERO20131
IT Employe	ee Transfer fr	om SDGE to	SCG as c	of 2013			031140515767
2012	-103	-6	0	-1.0 C	CTR Transf	To 2200-2467.000	FFIGUERO20131
IT Employe	ee Transfer fr	om SDGE to	SCG as c	of 2013			031140756083
2012 Total	-410	-18	0	-4.0			
2013 Total	0	0	0	0.0			

Beginning of Workpaper 2100-3494.000 - DISTRIBUTED CONTRACTS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3494.000 - DISTRIBUTED CONTRACTS

#### **Activity Description:**

This Cost Center is for planning and payment of Hardware and Software maintenance contracts for the Distributed Server Environment

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### NA

Summary of Results:

	In 2013\$ (000) Incurred Costs										
		Adju	isted-Recor	ded		Ad	justed-Fore	cast			
Years	2009	2010	2011	2012	2013	2014	2015	2016			
Labor	0	0	0	0	0	0	0	0			
Non-Labor	9,889	9,839	8,996	6,649	3,232	4,604	4,972	5,370			
NSE	0	0	0	0	0	0	0	0			
Total	9,889	9,839	8,996	6,649	3,232	4,604	4,972	5,370			
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3494.000 - DISTRIBUTED CONTRACTS

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

		2013 Adjusted-Recorded				2014 Adjı	usted-Fore	ecast		
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	3,232	0	3,232	0.00	0	4,604	0	4,604	0.00
Total Incurred	0	3,232	0	3,232	0.00	0	4,604	0	4,604	0.00
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adjus	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	4,972	0	4,972	0.00	0	5,370	0	5,370	0.00
Total Incurred	0	4,972	0	4,972	0.00	0	5,370	0	5,370	0.00
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3494.000 - DISTRIBUTED CONTRACTS

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

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3494.000 - DISTRIBUTED CONTRACTS

#### Forecast Summary:

In 2013 \$(000) Incurred Costs										
Forecast	t Method	Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years	5	2014 2015 2016		2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
Non-Labor	Base YR Rec	3,232	3,232	3,232	1,372	1,740	2,138	4,604	4,972	5,370
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	3,232	3,232	3,232	1,372	1,740	2,138	4,604	4,972	5,370
FTE	Base YR Rec	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>	<u>FTE</u>	<u>Adj Type</u>
2014	0	1,372	0	1,372	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2014 Total	0	1,372	0	1,372	0.0	
2015	0	1,372	0	1,372	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2015	0	368	0	368	0.0	1-Sided Adj
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2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

INFORMATION TECHNOLOGY
Stephen J. Mikovits
B. Infrastructure
1. Infrastructure
2100-3494.000 - DISTRIBUTED CONTRACTS

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u> A	d <u>i Type</u>	
2015 Total	0	1,740	0	1,740	0.0		
2016	0	1,372	0	1,372	0.0	1-Sided Adj	
•	tment to current ion of historical		•			f 8% based upon ven growth.	
services, a	costs, including nd other contract based on expand	s are anticip	pated to esca	late by approx	cimately 8%	per year in 2015	
2016	0	368	0	368	0.0	1-Sided Adj	
•	tment to current ion of historical		•			f 8% based upon /en growth.	
services, a	costs, including nd other contract based on expand	s are anticip	pated to esca	late by appro>	cimately 8%	per year in 2015	
2016	0	398	0	398	0.0	1-Sided Adj	
-	tment to current ion of historical		-			f 8% based upon ven growth.	
services, a		s are anticip	pated to esca	late by approx	cimately 8%	per year in 2015	
anu 2010, 1	based on expand	ling services	s, warranty ex	piriation, and	vendor cos	t escalations.	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
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Cost Center:	2100-3494.000 - DISTRIBUTED CONTRACTS

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

·····	2009 (\$000) 2009	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					· · ·
Labor	0	0	0	0	0
Non-Labor	9,033	9,188	8,658	6,536	3,232
NSE	0	0	0	0	0
Total	9,033	9,188	8,658	6,536	3,232
FTE	0.0	0.0	0.0	0.0	0.0
djustments (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
ecorded-Adjusted (Nomina	ıl \$)				
Labor	0	0	0	0	0
Non-Labor	9,033	9,188	8,658	6,536	3,232
NSE	0	0	0	0	0
Total	9,033	9,188	8,658	6,536	3,232
FTE	0.0	0.0	0.0	0.0	0.0
acation & 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
scalation to 2013\$					
Labor	0	0	0	0	0
Non-Labor	856	650	337	113	0
NSE	0	0	0	0	0
Total	856	650	337	113	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Constar	nt 2013\$)				
Labor	0	0	0	0	0
Non-Labor	9,889	9,839	8,996	6,649	3,232
NSE	0	0	0	0	0
Total	9,889	9,839	8,996	6,649	3,232
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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3494.000 - DISTRIBUTED CONTRACTS

# 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				

Beginning of Workpaper 2100-3495.000 - MAINFRAME CONTRACTS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3495.000 - MAINFRAME CONTRACTS

### **Activity Description:**

This Cost Center maintains the plan and payment of the Enterprise Server Contracts. All expenses for the maintenance of the Corporation Enterprise Server are recorded in this Cost Center.

### Forecast Explanations:

# Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## NA

## Summary of Results:

	In 2013\$ (000) Incurred Costs									
		Adju	isted-Recor	ded		Ad	justed-Fore	cast		
Years	2009	2010	2011	2012	2013	2014	2015	2016		
Labor	0	0	0	0	0	0	0	0		
Non-Labor	5,905	5,830	5,938	6,441	5,701	6,077	6,563	7,088		
NSE	0	0	0	0	0	0	0	0		
Total	5,905	5,830	5,938	6,441	5,701	6,077	6,563	7,088		
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3495.000 - MAINFRAME CONTRACTS

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

	2013 Adjusted-Recorded						2014 Adjusted-Forecast			t	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE	
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00	
Directly Allocated	0	102	0	102	0.00	0	102	0	102	0.00	
Subj. To % Alloc.	0	5,599	0	5,599	0.00	0	5,975	0	5,975	0.00	
Total Incurred	0	5,701	0	5,701	0.00	0	6,077	0	6,077	0.00	
% Allocation											
Retained	41.64%	41.64%				38.08%	38.08%				
SEU	54.70%	54.70%				58.32%	58.32%				
CORP	3.66%	3.66%				3.60%	3.60%				
Unreg	0.00%	0.00%				0.00%	0.00%				

		2015 Adju	sted-Fore	cast	2016 Adjusted			ed-Forecast		
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	102	0	102	0.00	0	102	0	102	0.00
Subj. To % Alloc.	0	6,461	0	6,461	0.00	0	6,986	0	6,986	0.00
Total Incurred	0	6,563	0	6,563	0.00	0	7,088	0	7,088	0.00
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3495.000 - MAINFRAME CONTRACTS

### Cost Center Allocation Percentage Drivers/Methodology:

### Cost Center Allocation Percentage for 2013

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3495.000 - MAINFRAME CONTRACTS

### Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecast	Forecast Method Base Forecast Forecast Adjustments Adjusted-Forecast						ast			
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
Non-Labor	Base YR Rec	5,701	5,701	5,701	376	862	1,387	6,077	6,563	7,088
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	5,701	5,701	5,701	376	862	1,387	6,077	6,563	7,088
FTE	Base YR Rec	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>	<u>FTE</u>	<u>Adj Type</u>
2014	0	376	0	376	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2014 Total	0	376	0	376	0.0		
2015	0	376	0	376	0.0	1-Sided Adj	

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2015	0	486	0	486	0.0	1-Sided Adj
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2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3495.000 - MAINFRAME CONTRACTS

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u> A	dj Type
2015 Total	0	862	0	862	0.0	
2016	0	376	0	376	0.0	1-Sided Adj
-	stment to current of tion of historical a		-			f 8% based upon /en growth.
services, a	costs, including r nd other contracts based on expand	s are anticip	ated to escal	ate by approx	cimately 8%	per year in 2015
2016	0	486	0	486	0.0	1-Sided Adj
•	stment to current of tion of historical		•			f 8% based upon ven growth.
services, a	costs, including r nd other contract based on expand	s are anticip	ated to escal	ate by approx	kimately 8%	per year in 2015
2016	0	525	0	525	0.0	1-Sided Adj
•	stment to current o tion of historical a		•			f 8% based upon /en growth.
services, a	costs, including r	s are anticip	ated to escal			t support pper year in 2015
and 2016,	based on expand	ing services	, warranty ex	piriation, and	vendor cos	st escalations.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3495.000 - MAINFRAME CONTRACTS

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

·····,····	2009 (\$000) -Recorded	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	5,394	5,445	5,716	6,331	5,701
NSE	0	0	0	0	0
Total	5,394	5,445	5,716	6,331	5,701
FTE	0.0	0.0	0.0	0.0	0.0
djustments (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	0	0	0	0	0
Non-Labor	5,394	5,445	5,716	6,331	5,701
NSE	0	0	0	0	0
Total	5,394	5,445	5,716	6,331	5,701
FTE	0.0	0.0	0.0	0.0	0.0
acation & Sick (Nominal \$	5)				
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
scalation to 2013\$					
Labor	0	0	0	0	0
Non-Labor	511	385	223	109	0
NSE	0	0	0	0	0
Total	511	385	223	109	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	0	0	0
Non-Labor	5,905	5,830	5,938	6,441	5,701
NSE	0	0	0	0	0
Total	5,905	5,830	5,938	6,441	5,701
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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3495.000 - MAINFRAME CONTRACTS

# 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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3498.000 - INFRASTRUCTURE PROGRAM OFFICE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3498.000 - INFRASTRUCTURE PROGRAM OFFICE

#### **Activity Description:**

This Cost Center provides project management and development for IT related projects enterprise wide.

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

#### Summary of Results:

	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	Ad	Adjusted-Forecast							
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	644	583	78	127	286	286	286	286				
Non-Labor	29	32	29	27	12	12	12	12				
NSE	0	0	0	0	0	0	0	0				
Total	673	616	107	155	298	298	298	298				
FTE	5.3	4.9	0.6	0.8	2.0	2.0	2.0	2.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3498.000 - INFRASTRUCTURE PROGRAM OFFICE

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

		2013 Adju	orded		2014 Adju	usted-Fore	cast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	71	0	0	71	0.26	71	0	0	71	0.26
Directly Allocated	9	0	0	9	0.09	9	0	0	9	0.09
Subj. To % Alloc.	206	12	0	218	1.68	206	12	0	218	1.68
Total Incurred	286	12	0	298	2.03	286	12	0	298	2.03
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	71	0	0	71	0.26	71	0	0	71	0.26
Directly Allocated	9	0	0	9	0.09	9	0	0	9	0.09
Subj. To % Alloc.	206	12	0	218	1.68	206	12	0	218	1.68
Total Incurred	286	12	0	298	2.03	286	12	0	298	2.03
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3498.000 - INFRASTRUCTURE PROGRAM OFFICE

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
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Cost Center:	2100-3498.000 - INFRASTRUCTURE PROGRAM OFFICE

### Forecast Summary:

	In 2013 \$(000) Incurred Costs												
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjus	Adjusted-Forecast				
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016			
Labor	Base YR Rec	286	286	286	0	0	0	286	286	286			
Non-Labor	Base YR Rec	12	12	12	0	0	0	12	12	12			
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0			
Tota	l	298	298	298	0	0	0	298	298	298			
FTE	Base YR Rec	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0			
Forecast Adju	stment 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3498.000 - INFRASTRUCTURE PROGRAM OFFICE

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	620	580	176	220	247
Non-Labor	29	33	31	30	12
NSE	0	0	0	0	0
Total	649	614	207	250	259
FTE	5.5	5.2	1.5	1.7	1.7
Adjustments (Nominal \$) **					
Labor	-110	-110	-110	-110	0
Non-Labor	-3	-3	-3	-3	0
NSE	0	0	0	0	0
Total	-113	-113	-113	-113	0
FTE	-1.0	-1.0	-1.0	-1.0	0.0
Recorded-Adjusted (Nomina	al \$)				
Labor	509	470	66	109	247
Non-Labor	26	30	28	27	12
NSE	0	0	0	0	0
Total	536	500	93	136	259
FTE	4.5	4.2	0.5	0.7	1.7
acation & Sick (Nominal \$)	)				
Labor	79	75	10	16	39
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	79	75	10	16	39
FTE	0.8	0.7	0.1	0.1	0.3
scalation to 2013\$					
Labor	56	39	3	2	0
Non-Labor	2	2	1	0	0
NSE	0	0	0	0	0
Total	58	41	4	3	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Consta	int 2013\$)				
Labor	644	583	78	127	286
Non-Labor	29	32	29	27	12
NSE	0	0	0	0	0
Total	673	616	107	155	298
FTE	5.3	4.9	0.6	0.8	2.0

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

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

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3498.000 - INFRASTRUCTURE PROGRAM OFFICE

# Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs								
Years	<u>2009</u> <u>2010</u> <u>2011</u> <u>2012</u> <u>2013</u>							
Labor	-110	-110	-110	-110	0			
Non-Labor	-3	-3	-3	-3	0			
NSE	0	0	0	0	0			
Total	-113	-113	-113	-113	0			
FTE	-1.0	-1.0	-1.0	-1.0	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	<u>RefID</u>	
2009	-110	-3	0	-1.0 CCT	R Transf	To 2200-2495.000	FFIGUERO20131	
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031141004447	
2009 Total	-110	-3	0	-1.0				
2010	-110	-3	0	-1.0 CCT	R Transf	To 2200-2495.000	FFIGUERO20131	
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031141110753	
2010 Total	-110	-3	0	-1.0				
2011	-110	-3	0	-1.0 CCT	R Transf	To 2200-2495.000	FFIGUERO20131	
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031141238353	
2011 Total	-110	-3	0	-1.0				
2012	-110	-3	0	-1.0 CCT	R Transf	To 2200-2495.000	FFIGUERO20131	
IT Employee	Transfer fror	n SDGE to S	CG as o	of 2013			031141331593	
2012 Total	-110	-3	0	-1.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3498.000 - INFRASTRUCTURE PROGRAM OFFICE

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

Beginning of Workpaper 2100-3500.000 - IT NETWORK FIELD - LAN/WAN VOICE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3500.000 - IT NETWORK FIELD - LAN/WAN VOICE

### **Activity Description:**

This cost center performs contract management and administration and planning activities for the maintenance contracts associated with support for the Distributed Server Environment and Network systems, Scalable Platform Services, Client Technology & Depot Services, SempraHelp & IT Service Management. Also, performs management and administration of leased circuits contracts costs and Telephone invoices.

#### Forecast Explanations:

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

#### Summary of Results:

[	In 2013\$ (000) Incurred Costs							
		Adju	isted-Recor	ded		Ad	cast	
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	395	124	181	333	304	304	304	304
Non-Labor	115	61	91	94	15	15	15	15
NSE	0	0	0	0	0	0	0	0
Total	510	185	272	428	319	319	319	319
FTE	4.5	1.4	2.1	3.6	3.9	3.9	3.9	3.9

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3500.000 - IT NETWORK FIELD - LAN/WAN VOICE

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

2014 Adjusted-Forecast				orded				
NSE Total FTE	Non-Labor	Labor	FTE	Total	NSE	Non-Labor	Labor	
0 2 0.00	0	2	0.00	2	0	0	2	Directly Retained
0 5 0.05	0	5	0.05	5	0	0	5	Directly Allocated
0 312 3.82	15	297	3.82	312	0	15	297	Subj. To % Alloc.
0 319 3.87	15	304	3.87	319	0	15	304	Total Incurred
								% Allocation
	38.31%	38.31%				41.63%	41.63%	Retained
	55.65%	55.65%				53.17%	53.17%	SEU
	4.16%	4.16%				4.27%	4.27%	CORP
	1.88%	1.88%				0.93%	0.93%	Unreg
	4.16%	4.16%				4.27%	4.27%	CORP

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	2	0	0	2	0.00	2	0	0	2	0.00
Directly Allocated	5	0	0	5	0.05	5	0	0	5	0.05
Subj. To % Alloc.	297	15	0	312	3.82	297	15	0	312	3.82
Total Incurred	304	15	0	319	3.87	304	15	0	319	3.87
% Allocation										
Retained	38.31%	38.31%				38.31%	38.31%			
SEU	55.65%	55.65%				55.65%	55.65%			
CORP	4.16%	4.16%				4.16%	4.16%			
Unreg	1.88%	1.88%				1.88%	1.88%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3500.000 - IT NETWORK FIELD - LAN/WAN VOICE

### Cost Center Allocation Percentage Drivers/Methodology:

## Cost Center Allocation Percentage for 2013

The IT SERVICE MANAGEMENT & SUPPORT SVCS cost center costs are for maintenance contract costs for hardware and software equipment that provides Distributed Server Environment and Network systems, Scalable Platform Services, Client Technology & Depot Services, SempraHelp & IT Service Management. System functions for computer users at SDGE, SCG and Parent, and voice support functions for Telecommunications device users at SDGE, SCG, Parent and certain Global Companies -Voice count. Computer users are provided a LAN ID in order to access and use computing services. Therefore, LAN ID is the most representative determination for the allocation of systems maintenance contract costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to employees and contractors. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. The Telephone devices and LAN ID use across companies are then measured on an staff work allocation basis accordingly to the basis of support they provide.

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

The IT SERVICE MANAGEMENT & SUPPORT SVCS cost center costs are for maintenance contract costs for hardware and software equipment that provides Distributed Server Environment and Network systems, Scalable Platform Services, Client Technology & Depot Services, SempraHelp & IT Service Management. System functions for computer users at SDGE, SCG and Parent, and voice support functions for Telecommunications device users at SDGE, SCG, Parent and certain Global Companies -Voice count. Computer users are provided a LAN ID in order to access and use computing services. Therefore, LAN ID is the most representative determination for the allocation of systems maintenance contract costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to employees and contractors. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. The Telephone devices and LAN ID use across companies are then measured on an staff work allocation basis accordingly to the basis of support they provide.

#### **Cost Center Allocation Percentage for 2015**

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:B. InfrastructureCategory-Sub:1. InfrastructureCost Center:2100-3500.000 - IT NETWORK FIELD - LAN/WAN VOICE

The IT SERVICE MANAGEMENT & SUPPORT SVCS cost center costs are for maintenance contract costs for hardware and software equipment that provides Distributed Server Environment and Network systems, Scalable Platform Services, Client Technology & Depot Services, SempraHelp & IT Service Management. System functions for computer users at SDGE, SCG and Parent, and voice support functions for Telecommunications device users at SDGE, SCG, Parent and certain Global Companies -Voice count. Computer users are provided a LAN ID in order to access and use computing services. Therefore, LAN ID is the most representative determination for the allocation of systems maintenance contract costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to employees and contractors. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. The Telephone devices and LAN ID use across companies are then measured on an staff work allocation basis accordingly to the basis of support they provide.

## Cost Center Allocation Percentage for 2016

The IT SERVICE MANAGEMENT & SUPPORT SVCS cost center costs are for maintenance contract costs for hardware and software equipment that provides Distributed Server Environment and Network systems, Scalable Platform Services, Client Technology & Depot Services, SempraHelp & IT Service Management. System functions for computer users at SDGE, SCG and Parent, and voice support functions for Telecommunications device users at SDGE, SCG, Parent and certain Global Companies -Voice count. Computer users are provided a LAN ID in order to access and use computing services. Therefore, LAN ID is the most representative determination for the allocation of systems maintenance contract costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to employees and contractors. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. The Telephone devices and LAN ID use across companies are then measured on an staff work allocation basis accordingly to the basis of support they provide.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3500.000 - IT NETWORK FIELD - LAN/WAN VOICE

### Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecas	st	Forec	ast Adjust	tments	Adjusted-Forecast					
Years		2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	304	304	304	0	0	0	304	304	304
Non-Labor	Base YR Rec	15	15	15	0	0	0	15	15	15
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	al	319	319	319	0	0	0	319	319	319
FTE	Base YR Rec	3.9	3.9	3.9	0.0	0.0	0.0	3.9	3.9	3.9

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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3500.000 - IT NETWORK FIELD - LAN/WAN VOICE

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

·····	a-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	731	568	620	754	262
Non-Labor	123	78	109	114	15
NSE	0	0	0	0	0
Total	853	646	729	868	278
FTE	8.8	7.2	7.8	9.1	3.3
djustments (Nominal \$) *	*				
Labor	-418	-468	-468	-468	0
Non-Labor	-18	-21	-21	-21	0
NSE	0	0	0	0	0
Total	-436	-489	-489	-489	0
FTE	-5.0	-6.0	-6.0	-6.0	0.0
ecorded-Adjusted (Nomir	nal \$)				
Labor	313	100	152	286	262
Non-Labor	105	57	88	93	15
NSE	0	0	0	0	0
Total	417	157	239	379	278
FTE	3.8	1.2	1.8	3.1	3.3
acation & Sick (Nominal S	\$)				
Labor	48	16	22	41	42
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	48	16	22	41	42
FTE	0.6	0.2	0.3	0.5	0.6
scalation to 2013\$					
Labor	34	8	7	6	0
Non-Labor	10	4	3	2	0
NSE	0	0	0	<u> </u>	0
Total	44	12	10	7	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	395	124	181	333	304
Non-Labor	115	61	91	94	15
NSE	0	0	0	0	0
Total	510	185	272	428	319
FTE	4.4	1.4	2.1	3.6	3.9

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

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

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3500.000 - IT NETWORK FIELD - LAN/WAN VOICE

# Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs						
Years	2009	2010	2011	2012	2013	
Labor	-418	-468	-468	-468	0	
Non-Labor	-18	-21	-21	-21	0	
NSE	0	0	0	0	0	
Total	-436	-489	-489	-489	0	
FTE	-5.0	-6.0	-6.0	-6.0	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	<u>RefID</u>
2009	-418	-18	0	-5.0 CCT	R Transf	To 2200-2455.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031141516903
2009 Total	-418	-18	0	-5.0			
2010	-468	-21	0	-6.0 CCT	R Transf	To 2200-2455.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	of 2013			031141610440
2010 Total	-468	-21	0	-6.0			
2011	-468	-21	0	-6.0 CCT	R Transf	To 2200-2455.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	of 2013			031141654003
2011 Total	-468	-21	0	-6.0			
2012	-468	-21	0	-6.0 CCT	R Transf	To 2200-2455.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	of 2013			031141726467
2012 Total	-468	-21	0	-6.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3500.000 - IT NETWORK FIELD - LAN/WAN VOICE

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

Beginning of Workpaper 2100-3501.000 - IT NETWORK HARDWARE SOFTWARE MAINTENANCE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3501.000 - IT NETWORK HARDWARE SOFTWARE MAINTENANCE

### **Activity Description:**

This cost center includes the telecom maintenance agreements for system-wide networks, including both utilities, Corporate Center (parent), and all the unregulated affiliates. Contracts include the maintenance costs for both telecom hardware and software.

#### **Forecast Explanations:**

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### NSE - Base YR Rec

NA

## Summary of Results:

[	In 2013\$ (000) Incurred Costs							
		Adju	isted-Recor	ded		Ad	justed-Fore	cast
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	0	0	0	0	0	0	0	0
Non-Labor	3,507	2,485	2,852	1,130	1,066	1,075	1,161	1,254
NSE	0	0	0	0	0	0	0	0
Total	3,507	2,485	2,852	1,130	1,066	1,075	1,161	1,254
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3501.000 - IT NETWORK HARDWARE SOFTWARE MAINTENANCE

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

_		2013 Adju:	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	1,066	0	1,066	0.00	0	1,075	0	1,075	0.00
Total Incurred	0	1,066	0	1,066	0.00	0	1,075	0	1,075	0.00
% Allocation										
Retained	41.60%	41.60%				38.08%	38.08%			
SEU	44.90%	44.90%				58.32%	58.32%			
CORP	7.56%	7.56%				3.60%	3.60%			
Unreg	5.94%	5.94%				0.00%	0.00%			

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	1,161	0	1,161	0.00	0	1,254	0	1,254	0.00
Total Incurred	0	1,161	0	1,161	0.00	0	1,254	0	1,254	0.00
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:B. InfrastructureCategory-Sub:1. InfrastructureCost Center:2100-3501.000 - IT NETWORK HARDWARE SOFTWARE MAINTENANCE

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3501.000 - IT NETWORK HARDWARE SOFTWARE MAINTENANCE

### Forecast Summary:

			In 201	3 \$(000) li	ncurred Co	sts				
Forecas	Forecast Method Base Forecast					ast Adjust	ments	Adjusted-Forecast		
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
Non-Labor	Base YR Rec	1,066	1,066	1,066	9	95	188	1,075	1,161	1,254
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	1,066	1,066	1,066	9	95	188	1,075	1,161	1,254
FTE	Base YR Rec	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>	<u>FTE</u>	<u>Adj Type</u>
2014	0	9	0	9	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2014 Total	0	9	0	9	0.0		
2015	0	95	0	95	0.0	1-Sided Adj	

2014 adjustment to current contractual obligations. 2015 & 2016 escalation based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2015 Total	0	95	0	95	0.0	
2016	0	188	0	188	0.0	1-Sided Adj

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3501.000 - IT NETWORK HARDWARE SOFTWARE MAINTENANCE

Year/Expl. Labor NLbr NSE Total FTE Adj Type

2014 adjustment to current contractual obligations. 2015 & 2016 escalation based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

0.0	188	0	188	0	2016 Total
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Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3501.000 - IT NETWORK HARDWARE SOFTWARE MAINTENANCE

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	3,156	2,271	2,745	1,111	1,066
NSE	0	0	0	0	0
Total	3,156	2,271	2,745	1,111	1,066
FTE	0.0	0.0	0.0	0.0	0.0
djustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	48	50	0	0	0
NSE	0	0	0	0	0
Total	48	50	0	0	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Nomin	al \$)				
Labor	0	0	0	0	0
Non-Labor	3,204	2,321	2,745	1,111	1,066
NSE	0	0	0	0	0
Total	3,204	2,321	2,745	1,111	1,066
FTE	0.0	0.0	0.0	0.0	0.0
acation & Sick (Nominal \$	5)				
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
scalation to 2013\$					
Labor	0	0	0	0	0
Non-Labor	304	164	107	19	0
NSE	0	0	0	0	0
Total	304	164	107	19	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	0	0	0
Non-Labor	3,507	2,485	2,852	1,130	1,066
NSE	0	0	0	0	0
Total	3,507	2,485	2,852	1,130	1,066
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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 355 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3501.000 - IT NETWORK HARDWARE SOFTWARE MAINTENANCE

# Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs											
Years	2009	2009 2010 2011		2012	2013						
Labor	0	0	0 0		0						
Non-Labor	48	50	0	0	0						
NSE	0	0	0	0	0						
Total	48	50	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>	<u>Adj Type</u>	From CCtr	<u>RefID</u>				
2009	0	48	0	0.0 CC	CTR Transf	From 2100-0042.000	CSCHRAMM2013 1107090718830				
Transfer costs associated with Itron maintenance for MV-90 system, from cost center 2100-0042 in work group 1OO000 Advanced Meter Operations to USS cost center 2100-3501.000 IT Network Hardware Software Maintenance to align costs where activity resides.											
2009 Total	0	48	0	0.0							
2010 0 50 0 0.0 CCTR Transf From 2100-0042.000 CSCHRAMM2013 Transfer costs associated with Itron maintenance for MV-90 system, from cost center 2100-0042 in work group 100000 Advanced Meter Operations to USS cost center 2100-3501.000 IT Network Hardware Software Maintenance to align costs where activity resides.											
2010 Total	0	50	0	0.0							
2011 Total	0	0	0	0.0							
2012 Total	0	0	0	0.0							
2013 Total	0	0	0	0.0							

Beginning of Workpaper 2100-3502.000 - ENTERPRISE COMMAND CENTER

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3502.000 - ENTERPRISE COMMAND CENTER

### **Activity Description:**

The Enterprise command center organization provides 7/24 operation system-wide services to ensure network/telecom availability for all related business applications and services that are dependent upon voice, data, microwave, etc., category of communication services.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

#### Summary of Results:

Γ				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	1,720	1,599	1,997	1,891	1,842	1,842	1,842	1,842
Non-Labor	160	135	26	230	66	66	66	66
NSE	0	0	0	0	0	0	0	0
Total	1,880	1,734	2,023	2,120	1,909	1,909	1,909	1,909
FTE	20.4	19.6	24.7	22.9	22.5	22.5	22.5	22.5

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3502.000 - ENTERPRISE COMMAND CENTER

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

		2013 Adju	2014 Adjusted-Forecast							
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	4	0	0	4	0.05	4	0	0	4	0.05
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	1,839	66	0	1,905	22.44	1,839	66	0	1,905	22.44
Total Incurred	1,843	66	0	1,909	22.49	1,843	66	0	1,909	22.49
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast						2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE	
Directly Retained	4	0	0	4	0.05	4	0	0	4	0.05	
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00	
Subj. To % Alloc.	1,839	66	0	1,905	22.44	1,839	66	0	1,905	22.44	
Total Incurred	1,843	66	0	1,909	22.49	1,843	66	0	1,909	22.49	
% Allocation											
Retained	38.08%	38.08%				38.08%	38.08%				
SEU	58.32%	58.32%				58.32%	58.32%				
CORP	3.60%	3.60%				3.60%	3.60%				
Unreg	0.00%	0.00%				0.00%	0.00%				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3502.000 - ENTERPRISE COMMAND CENTER

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

The IT & Client Services cost centers provides infrastructure computing services for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. The LAN ID use across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

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

The IT & Client Services cost centers provides infrastructure computing services for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. The LAN ID use across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

#### **Cost Center Allocation Percentage for 2015**

The IT & Client Services cost centers provides infrastructure computing services for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. The LAN ID use across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

#### Cost Center Allocation Percentage for 2016

The IT & Client Services cost centers provides infrastructure computing services for computer users at SDGE, SCG, and Parent. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. The LAN ID use across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3502.000 - ENTERPRISE COMMAND CENTER

### Forecast Summary:

				sts	curred Cos	3 \$(000) Ir	In 201			
ecast	ted-Foreca	Adjus	ments	ast Adjust	Forec	st	se Foreca	Bas	t Method	Forecast
2016	2015	2014	2016	2015	2014	2016	2015	2014	s	Years
2 1,842	1,842	1,842	0	0	0	1,842	1,842	1,842	Base YR Rec	Labor
6 66	66	66	0	0	0	66	66	66	Base YR Rec	Non-Labor
o 0	0	0	0	0	0	0	0	0	Base YR Rec	NSE
9 1,909	1,909	1,909	0	0	0	1,909	1,909	1,909	I	Tota
5 22.5	22.5	22.5	0.0	0.0	0.0	22.5	22.5	22.5	Base YR Rec	FTE
	,	,	-	-	-	· ·		,		

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3502.000 - ENTERPRISE COMMAND CENTER

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
corded (Nominal \$)*					
Labor	1,457	1,384	1,772	1,720	1,590
Non-Labor	149	129	28	229	66
NSE	0	0	0	0	0
Total	1,606	1,514	1,800	1,948	1,656
FTE	18.5	17.7	22.2	20.7	19.1
djustments (Nominal \$) *	*				
Labor	-96	-96	-96	-96	0
Non-Labor	-3	-3	-3	-3	0
NSE	0	0	0	0	0
Total	-99	-99	-99	-99	0
FTE	-1.0	-1.0	-1.0	-1.0	0.0
ecorded-Adjusted (Nomir	nal \$)				
Labor	1,361	1,288	1,675	1,623	1,590
Non-Labor	146	126	25	226	66
NSE	0	0	0	0	0
Total	1,507	1,414	1,701	1,849	1,656
FTE	17.5	16.7	21.2	19.7	19.1
acation & Sick (Nominal S	\$)				
Labor	210	205	247	235	252
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	210	205	247	235	252
FTE	2.9	2.9	3.5	3.2	3.4
scalation to 2013\$					
Labor	149	106	75	32	0
Non-Labor	14	9	1	4	0
NSE	0	0	0	0	0
Total	163	115	76	36	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	1,720	1,599	1,997	1,891	1,842
Non-Labor	160	135	26	230	66
NSE	0	0	0	0	0
Total	1,880	1,734	2,023	2,120	1,909
FTE	20.4	19.6	24.7	22.9	22.5

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3502.000 - ENTERPRISE COMMAND CENTER

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs										
Years	2009	2010	2011	2012	2013					
Labor	-96	-96	-96	-96	0					
Non-Labor	-3	-3	-3	-3	0					
NSE	0	0	0	0	0					
Total	-99	-99	-99	-99	0					
FTE	-1.0	-1.0	-1.0	-1.0	0.0					

### Detail of Adjustments to Recorded:

Year/Expl.	Labor	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>	
2009	-96	-3	0	-1.0 CCT	R Transf	To 2200-2456.000	FFIGUERO20131	
IT Employee	Fransfer from	m SDGE to S	CG as o	of 2013			031141825697	
2009 Total	-96	-3	0	-1.0				
2010	-96	-3	0	-1.0 CCT	R Transf	To 2200-2456.000	FFIGUERO20131	
IT Employee	Fransfer from	n SDGE to S	CG as o	of 2013			031141901040	
2010 Total	-96	-3	0	-1.0				
2011	-96	-3	0	-1.0 CCT	R Transf	To 2200-2456.000	FFIGUERO20131	
IT Employee 1	Transfer from	m SDGE to S	CG as o	of 2013			031141945323	
2011 Total	-96	-3	0	-1.0				
2012	-96	-3	0	-1.0 CCT	R Transf	To 2200-2456.000	FFIGUERO20131	
IT Employee 1	Fransfer from	m SDGE to S	CG as o	of 2013			031142021560	
2012 Total	-96	-3	0	-1.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3502.000 - ENTERPRISE COMMAND CENTER

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

Beginning of Workpaper 2100-3544.000 - WINTEL SERVER GROUP

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3544.000 - WINTEL SERVER GROUP

#### **Activity Description:**

This Operations server support group is responsible for providing 7/24 coverage and maintainability for distributive Wintel class servers.

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### NA

Summary of Results:

		In 2013\$ (000) Incurred Costs												
	Adjusted-Recorded						Adjusted-Forecast							
Years	2009	2010	2011	2012 2013		2014	2014 2015							
Labor	789	879	688	697	34	34	34	34						
Non-Labor	101	91	46	7	4	4	4	4						
NSE	0	0	0	0	0	0	0	0						
Total	890	970	735	705	38	38	38	38						
FTE	10.5	11.5	9.3	8.8	0.4	0.4	0.4	0.4						

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3544.000 - WINTEL SERVER GROUP

## Cost Center Allocations (Incurred Costs):

		2013 Adju:	2014 Adjusted-Forecast							
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	1	0	0	1	0.01	1	0	0	1	0.01
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	33	4	0	37	0.41	33	4	0	37	0.41
Total Incurred	34	4	0	38	0.42	34	4	0	38	0.42
% Allocation										
Retained	41.60%	41.60%				41.64%	41.64%			
SEU	44.90%	44.90%				54.70%	54.70%			
CORP	7.56%	7.56%				3.66%	3.66%			
Unreg	5.94%	5.94%				0.00%	0.00%			
		2015 Adju	sted-Fore	cast			2016 Adjı	usted-Fore	ecast	

	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	1	0	0	1	0.01	1	0	0	1	0.01
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	33	4	0	37	0.41	33	4	0	37	0.41
Total Incurred	34	4	0	38	0.42	34	4	0	38	0.42
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3544.000 - WINTEL SERVER GROUP

### Cost Center Allocation Percentage Drivers/Methodology:

### Cost Center Allocation Percentage for 2013

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3544.000 - WINTEL SERVER GROUP

### Forecast Summary:

In 2013 \$(000) Incurred Costs													
Forecast	t Method	nod Base Forecast Forecast Adjustments Adjusted-Fore				ted-Forec	cast						
Years		2014	2015	2016	2014	2015	2016	2014	2015	2016			
Labor	Base YR Rec	34	34	34	0	0	0	34	34	34			
Non-Labor	Base YR Rec	4	4	4	0	0	0	4	4	4			
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0			
Tota	al	38	38	38	0	0	0	38	38	38			
FTE	Base YR Rec	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4			
Total					-	-	-						

Forecast Adjustment Details:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3544.000 - WINTEL SERVER GROUP

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

etermination of Adjusted	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	1,095	1,179	1,048	1,070	29
Non-Labor	116	109	69	31	4
NSE	0	0	0	0	0
Total	1,211	1,288	1,117	1,101	33
FTE	15.0	15.8	14.0	13.6	0.4
djustments (Nominal \$) **					
Labor	-471	-471	-471	-471	0
Non-Labor	-24	-24	-24	-24	0
NSE	0	0	0	0	0
Total	-495	-495	-495	-495	0
FTE	-6.0	-6.0	-6.0	-6.0	0.0
Recorded-Adjusted (Nomin	al \$)				
Labor	624	708	577	599	29
Non-Labor	92	85	45	7	4
NSE	0	0	0	0	0
Total	716	793	622	606	33
FTE	9.0	9.8	8.0	7.6	0.4
/acation & Sick (Nominal \$	)				
Labor	96	113	85	87	5
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	96	113	85	87	5
FTE	1.5	1.7	1.3	1.2	0.1
Escalation to 2013\$					
Labor	68	58	26	12	0
Non-Labor	9	6	2	0	0
NSE	0	0	0	0	0
Total	77	64	28	12	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Consta	ant 2013\$)				
Labor	789	879	688	697	34
Non-Labor	101	91	46	7	4
NSE	0	0	0	0	0
Total	890	970	735	705	38
FTE	10.5	11.5	9.3	8.8	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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3544.000 - WINTEL SERVER GROUP

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2009	2010	2011	2012	2013
Labor	-471	-471	-471	-471	0
Non-Labor	-24	-24	-24	-24	0
NSE	0	0	0	0	0
Total	-495	-495	-495	-495	0
FTE	-6.0	-6.0	-6.0	-6.0	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	<u>RefID</u>
2009	-130	-6	0	-2.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131 031142137857
IT Employee	Transfer from S	SDGE to SC	CG as o	f 2013			001112101001
2009	-341	-18	0	-4.0 CC	TR Transf	To 2200-2466.000	FFIGUERO20131
IT Employee	Transfer from S	SDGE to SC	CG as o	f 2013			031142444913
2009 Total	-471	-24	0	-6.0			
2010	-130	-6	0	-2.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131
IT Employee	Transfer from S	SDGE to SC	CG as o	f 2013			031142204917
2010	-341	-18	0	-4.0 CC	TR Transf	To 2200-2466.000	FFIGUERO20131
IT Employee	Transfer from S	SDGE to SC	CG as o	f 2013			031142517240
2010 Total	-471	-24	0	-6.0			
2011	-130	-6	0	-2.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131
IT Employee	Transfer from S	SDGE to SC	CG as o	f 2013			031142258927
2011	-341	-18	0	-4.0 CC	TR Transf	To 2200-2466.000	FFIGUERO20131
IT Employee	Transfer from S	SDGE to SC	CG as o	f 2013			031142547520

INFORMATION TECHNOLOGY
Stephen J. Mikovits
B. Infrastructure
1. Infrastructure
2100-3544.000 - WINTEL SERVER GROUP

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>
2011 Total	-471	-24	0	-6.0			
2012	-130	-6	0	-2.0 C	CTR Transf	To 2200-2463.000	FFIGUERO20131 031142328063
IT Employe	e Transfer fr	om SDGE to	SCG as o	of 2013			031142320003
2012	-341	-18	0	-4.0 C	CTR Transf	To 2200-2466.000	FFIGUERO20131
IT Employe	e Transfer fr	om SDGE to	SCG as o	of 2013			031142611167
2012 Total	-471	-24	0	-6.0			

2013 Total	0	0	0	0.0	
	· · · · · · · · · · · · · · · · · · ·	U U	-	0.0	

Beginning of Workpaper 2100-3548.000 - ENT SVC MGT & HELP DESK

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3548.000 - ENT SVC MGT & HELP DESK

#### **Activity Description:**

This Cost Center performs capital project management and business case analysis activities for the IT & Client Services Department in support of system-wide initiatives.

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### N/A

#### Summary of Results:

				ln 2013\$ (00	0) Incurred (	Costs		
		Adju	isted-Recor	ded		Ad	justed-Fore	cast
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	492	515	577	591	161	161	161	161
Non-Labor	42	17	32	135	75	75	75	75
NSE	0	0	0	0	0	0	0	0
Total	534	532	609	727	236	236	236	236
FTE	5.7	5.9	6.5	6.7	1.7	1.7	1.7	1.7

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3548.000 - ENT SVC MGT & HELP DESK

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

		2013 Adju	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	161	75	0	236	1.71	161	75	0	236	1.71
Total Incurred	161	75	0	236	1.71	161	75	0	236	1.71
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	161	75	0	236	1.71	161	75	0	236	1.71
Total Incurred	161	75	0	236	1.71	161	75	0	236	1.71
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3548.000 - ENT SVC MGT & HELP DESK

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2015

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3548.000 - ENT SVC MGT & HELP DESK

### Forecast Summary:

			In 201	3 \$(000) Ir	ncurred Co	sts				
Forecast	t Method	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjusted-Forecast		
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	161	161	161	0	0	0	161	161	161
Non-Labor	Base YR Rec	75	75	75	0	0	0	75	75	75
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	236	236	236	0	0	0	236	236	236
FTE	Base YR Rec	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7
	etment Deteiler									

### 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3548.000 - ENT SVC MGT & HELP DESK

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

	2009 (\$000) 2009	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*		· · ·			
Labor	615	641	710	733	139
Non-Labor	47	25	40	142	75
NSE	0	0	0	0	0
Total	662	665	750	876	214
FTE	6.9	7.0	7.6	7.7	1.5
Adjustments (Nominal \$) *	*				
Labor	-226	-226	-226	-226	0
Non-Labor	-9	-9	-9	-9	0
NSE	0	0	0	0	0
Total	-235	-235	-235	-235	0
FTE	-2.0	-2.0	-2.0	-2.0	0.0
Recorded-Adjusted (Nomir	nal \$)				
Labor	389	415	484	508	139
Non-Labor	38	16	31	133	75
NSE	0	0	0	0	0
Total	428	431	515	641	214
FTE	4.9	5.0	5.6	5.7	1.5
acation & Sick (Nominal S	\$)				
Labor	60	66	71	74	22
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	60	66	71	74	22
FTE	0.8	0.9	0.9	0.9	0.3
scalation to 2013\$					
Labor	43	34	22	10	0
Non-Labor	4	1	1	2	0
NSE	0	0	0	0	0
Total	46	35	23	12	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Const	ant 2013\$)				
Labor	492	515	577	591	161
Non-Labor	42	17	32	135	75
NSE	0	0	0	0	0
Total	534	532	609	727	236
FTE	5.7	5.9	6.5	6.6	1.8

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3548.000 - ENT SVC MGT & HELP DESK

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs						
Years	2009	2010	2011	2012	2013	
Labor	-226	-226	-226	-226	0	
Non-Labor	-9	-9	-9	-9	0	
NSE	0	0	0	0	0	
Total	-235	-235	-235	-235	0	
FTE	-2.0	-2.0	-2.0	-2.0	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	<u>RefID</u>
2009	-226	-9	0	-2.0 CC	TR Transf	To 2200-2455.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	of 2013			031142727327
2009 Total	-226	-9	0	-2.0			
2010	-226	-9	0	-2.0 CC	TR Transf	To 2200-2455.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	of 2013			031142810107
2010 Total	-226	-9	0	-2.0			
2011	-226	-9	0	-2.0 CC	TR Transf	To 2200-2455.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	of 2013			031142851530
2011 Total	-226	-9	0	-2.0			
2012	-226	-9	0	-2.0 CC	TR Transf	To 2200-2455.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	of 2013			031142920657
2012 Total	-226	-9	0	-2.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3548.000 - ENT SVC MGT & HELP DESK

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

Beginning of Workpaper 2100-3682.000 - PROJECT MANAGEMENT OFFICE-NCS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3682.000 - PROJECT MANAGEMENT OFFICE-NCS

#### **Activity Description:**

Responsible for IT Network Engineering services at both SDG&E and the Parent. Preventative maintenance activities on network infrastructure (i.e. hardware, software, facilities, services).

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### NA

Summary of Results:

	In 2013\$ (000) Incurred Costs												
		Adju	isted-Recor	ded		Ad	Adjusted-Forecast						
Years	2009	2010	2011	2012	2013	2014	2015	2016					
Labor	115	23	-3	-6	299	299	299	299					
Non-Labor	22	12	62	239	23	23	23	23					
NSE	0	0	0	0	0	0	0	0					
Total	137	35	60	232	321	321	321	321					
FTE	1.1	0.2	-0.3	-0.4	2.7	2.7	2.7	2.7					

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3682.000 - PROJECT MANAGEMENT OFFICE-NCS

## Cost Center Allocations (Incurred Costs):

		2013 Adju:	2014 Adjusted-Forecast							
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	33	1	0	34	0.31	33	1	0	34	0.31
Directly Allocated	12	4	0	16	0.13	12	4	0	16	0.13
Subj. To % Alloc.	253	18	0	271	2.22	253	18	0	271	2.22
Total Incurred	298	23	0	321	2.66	298	23	0	321	2.66
% Allocation										
Retained	91.91%	91.91%				91.37%	91.37%			
SEU	0.00%	0.00%				0.00%	0.00%			
CORP	8.09%	8.09%				8.63%	8.63%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adju	sted-Fore	cast			2016 Adjı	isted-Fore	cast	

		•					•			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	33	1	0	34	0.31	33	1	0	34	0.31
Directly Allocated	12	4	0	16	0.13	12	4	0	16	0.13
Subj. To % Alloc.	253	18	0	271	2.22	253	18	0	271	2.22
Total Incurred	298	23	0	321	2.66	298	23	0	321	2.66
% Allocation										
Retained	91.37%	91.37%				91.37%	91.37%			
SEU	0.00%	0.00%				0.00%	0.00%			
CORP	8.63%	8.63%				8.63%	8.63%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3682.000 - PROJECT MANAGEMENT OFFICE-NCS

### Cost Center Allocation Percentage Drivers/Methodology:

### Cost Center Allocation Percentage for 2013

Calculations are based on the number of LAN IDs used across SDGE and the Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across SDGE and the Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2015

Calculations are based on the number of LAN IDs used across SDGE and the Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across SDGE and the Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3682.000 - PROJECT MANAGEMENT OFFICE-NCS

### Forecast Summary:

	In 2013 \$(000) Incurred Costs												
Forecas	Forecast Method Base Forecast Forecast Adjustments Adjusted-Forecast												
Years	8	2014	2015	2016	2014 2015 2016		2014	2015	2016				
Labor	Base YR Rec	299	299	299	0	0	0	299	299	299			
Non-Labor	Base YR Rec	23	23	23	0	0	0	23	23	23			
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0			
Tota	Total		321	321	0	0	0	321	321	321			
FTE	Base YR Rec	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7			

Forecast Adjustment Details:

Year/Expl.	Labor	<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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3682.000 - PROJECT MANAGEMENT OFFICE-NCS

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

	2009 (\$000) 2009	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	196	123	103	99	258
Non-Labor	23	14	63	238	23
NSE	0	0	0	0	0
Total	219	137	166	337	280
FTE	1.9	1.2	0.7	0.6	2.3
Adjustments (Nominal \$) **	×				
Labor	-105	-105	-105	-105	0
Non-Labor	-3	-3	-3	-3	0
NSE	0	0	0	0	0
Total	-108	-108	-108	-108	0
FTE	-1.0	-1.0	-1.0	-1.0	0.0
Recorded-Adjusted (Nomin	nal \$)				
Labor	91	18	-2	-6	258
Non-Labor	20	11	60	235	23
NSE	0	0	0	0	0
Total	111	30	58	229	280
FTE	0.9	0.2	-0.3	-0.4	2.3
/acation & Sick (Nominal \$	\$)				
Labor	14	3	0	-1	41
Non-Labor	0	0	0	0	0
NSE	0	0	0	<u> </u>	0
Total	14	3	0	-1	41
FTE	0.2	0.0	0.0	-0.1	0.4
Escalation to 2013\$					
Labor	10	1	0	0	0
Non-Labor	2	1	2	4	0
NSE	0	0	0	0	0
Total	12	2	2	4	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Consta	ant 2013\$)				
Labor	115	23	-3	-6	299
Non-Labor	22	12	62	239	23
NSE	0	0	0	0	0
Total	137	35	60	232	321
FTE	1.1	0.2	-0.3	-0.5	2.7

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3682.000 - PROJECT MANAGEMENT OFFICE-NCS

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs							
Years	<u>2009</u> <u>2010</u> <u>2011</u> <u>2012</u> <u>2013</u>						
Labor	-105	-105	-105	-105	0		
Non-Labor	-3	-3	-3	-3	0		
NSE	0	0	0	0	0		
Total	-108	-108	-108	-108	0		
FTE	-1.0	-1.0	-1.0	-1.0	0.0		

### Detail of Adjustments to Recorded:

Year/Expl.	Labor	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>
2009	-105	-3	0	-1.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031143105737
2009 Total	-105	-3	0	-1.0			
2010	-105	-3	0	-1.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031143159047
2010 Total	-105	-3	0	-1.0			
2011	-105	-3	0	-1.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031143241693
2011 Total	-105	-3	0	-1.0			
2012	-105	-3	0	-1.0 CC	TR Transf	To 2200-2463.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	of 2013			031143321297
2012 Total	-105	-3	0	-1.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3682.000 - PROJECT MANAGEMENT OFFICE-NCS

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

Beginning of Workpaper 2100-3683.000 - PROJECT IMPROVEMENT OFFICE-NCS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3683.000 - PROJECT IMPROVEMENT OFFICE-NCS

### **Activity Description:**

Preventive maintenance activities on network and telecom infrastructure (i.e. hardware, software, facilities, services). This cost center is responsible for the design and implementation of CI projects for Local Area and Wide Area networks and voice systems that link all company facilities.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

#### Summary of Results:

[				In 2013\$ (00	0) Incurred (	Costs		
		Adju	isted-Recor	ded		Ad	justed-Fore	cast
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	281	177	130	815	956	956	956	956
Non-Labor	22	39	49	125	138	138	138	138
NSE	0	0	0	0	0	0	0	0
Total	303	216	180	940	1,094	1,094	1,094	1,094
FTE	3.3	1.8	1.3	8.3	10.0	10.0	10.0	10.0

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3683.000 - PROJECT IMPROVEMENT OFFICE-NCS

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

		2013 Adju	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	2	0	0	2	0.03	2	0	0	2	0.03
Directly Allocated	59	0	0	59	0.52	59	0	0	59	0.52
Subj. To % Alloc.	895	138	0	1,033	9.50	895	138	0	1,033	9.50
Total Incurred	956	138	0	1,094	10.05	956	138	0	1,094	10.05
% Allocation										
Retained	41.64%	41.64%				38.08%	38.08%			
SEU	54.70%	54.70%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	2	0	0	2	0.03	2	0	0	2	0.03
Directly Allocated	59	0	0	59	0.52	59	0	0	59	0.52
Subj. To % Alloc.	895	138	0	1,033	9.50	895	138	0	1,033	9.50
Total Incurred	956	138	0	1,094	10.05	956	138	0	1,094	10.05
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3683.000 - PROJECT IMPROVEMENT OFFICE-NCS

### Cost Center Allocation Percentage Drivers/Methodology:

### Cost Center Allocation Percentage for 2013

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3683.000 - PROJECT IMPROVEMENT OFFICE-NCS

### Forecast Summary:

	In 2013 \$(000) Incurred Costs												
Forecas	t Method	Base Forecast			Forec	ast Adjust	ments	Adjusted-Forecast					
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016			
Labor	Base YR Rec	956	956	956	0	0	0	956	956	956			
Non-Labor	Base YR Rec	138	138	138	0	0	0	138	138	138			
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0			
Tota	I	1,094	1,094	1,094	0	0	0	1,094	1,094	1,094			
FTE	Base YR Rec	10.0	10.0	10.0	0.0	0.0	0.0	10.0	10.0	10.0			

### 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3683.000 - PROJECT IMPROVEMENT OFFICE-NCS

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

·····	d-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
corded (Nominal \$)*					
Labor	223	142	109	699	825
Non-Labor	20	36	47	123	138
NSE	0	0	0	0	0
Total	242	179	157	822	963
FTE	2.8	1.5	1.1	7.1	8.5
djustments (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
ecorded-Adjusted (Nomir	nal \$)				
Labor	223	142	109	699	825
Non-Labor	20	36	47	123	138
NSE	0	0	0	0	0
Total	242	179	157	822	963
FTE	2.8	1.5	1.1	7.1	8.5
acation & Sick (Nominal \$	\$)				
Labor	34	23	16	101	131
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	34	23	16	101	131
FTE	0.5	0.3	0.2	1.2	1.5
scalation to 2013\$					
Labor	24	12	5	14	0
Non-Labor	2	3	2	2	0
NSE	0	0	0	0	0
Total	26	14	7	16	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	ant 2013\$)				
Labor	281	177	130	815	956
Non-Labor	22	39	49	125	138
NSE	0	0	0	0	0
Total	303	216	180	940	1,094
FTE	3.3	1.8	1.3	8.3	10.0

\* 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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 394 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3683.000 - PROJECT IMPROVEMENT OFFICE-NCS

## 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				

Beginning of Workpaper 2100-3684.000 - SERVICE DELIVERY - NCS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3684.000 - SERVICE DELIVERY - NCS

### **Activity Description:**

Messaging and network activities for support and maintenance of messaging infrastructure, including E-mail, Calendaring, Instant Messaging, and SharePoint services on a system-wide basis across Corporate Center, SDG&E, and So Cal Gas.

### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### NSE - Base YR Rec

N/A

## Summary of Results:

[	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	Ad	justed-Fore	cast						
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	933	1,156	1,159	1,127	355	355	355	355				
Non-Labor	315	314	122	290	67	67	67	67				
NSE	0	0	0	0	0	0	0	0				
Total	1,248	1,470	1,281	1,416	422	422	422	422				
FTE	10.1	12.1	13.3	13.1	3.9	3.9	3.9	3.9				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3684.000 - SERVICE DELIVERY - NCS

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

		2013 Adju	orded	2014 Adjusted-Forecast						
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	5	0	0	5	0.00	5	0	0	5	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	350	67	0	417	3.89	350	67	0	417	3.89
Total Incurred	355	67	0	422	3.89	355	67	0	422	3.89
% Allocation										
Retained	41.64%	41.64%				42.64%	42.64%			
SEU	54.70%	54.70%				49.02%	49.02%			
CORP	3.66%	3.66%				8.34%	8.34%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	5	0	0	5	0.00	5	0	0	5	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	350	67	0	417	3.89	350	67	0	417	3.89
Total Incurred	355	67	0	422	3.89	355	67	0	422	3.89
% Allocation										
Retained	42.64%	42.64%				42.64%	42.64%			
SEU	49.02%	49.02%				49.02%	49.02%			
CORP	8.34%	8.34%				8.34%	8.34%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3684.000 - SERVICE DELIVERY - NCS

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

The Messaging Mobile Services cost center provides Network Service Delivery activities for computer users at SDGE, SCG and Parent. Computer users are provided a LAN ID in order to access and use computing services. Therefore, LAN ID is the most representative determination for the allocation of Network Service Delivery costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to employees and contractors. SharePoint services are rolled out by licenses users and are also determined by the number of websites serviced.

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

The Messaging Mobile Services cost center provides Network Service Delivery activities for computer users at SDGE, SCG and Parent. Computer users are provided a LAN ID in order to access and use computing services. Therefore, LAN ID is the most representative determination for the allocation of Network Service Delivery costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to employees and contractors. SharePoint services are rolled out by licenses users and are also determined by the number of websites serviced.

### **Cost Center Allocation Percentage for 2015**

The Messaging Mobile Services cost center provides Network Service Delivery activities for computer users at SDGE, SCG and Parent. Computer users are provided a LAN ID in order to access and use computing services. Therefore, LAN ID is the most representative determination for the allocation of Network Service Delivery costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to employees and contractors. SharePoint services are rolled out by licenses users and are also determined by the number of websites serviced.

### Cost Center Allocation Percentage for 2016

The Messaging Mobile Services cost center provides Network Service Delivery activities for computer users at SDGE, SCG and Parent. Computer users are provided a LAN ID in order to access and use computing services. Therefore, LAN ID is the most representative determination for the allocation of Network Service Delivery costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to employees and contractors. SharePoint services are rolled out by licenses users and are also determined by the number of websites serviced.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3684.000 - SERVICE DELIVERY - NCS

### Forecast Summary:

In 2013 \$(000) Incurred Costs										
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjusted-Forecast		
Years	5	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	355	355	355	0	0	0	355	355	355
Non-Labor	Base YR Rec	67	67	67	0	0	0	67	67	67
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	422	422	422	0	0	0	422	422	422
FTE	Base YR Rec	3.9	3.9	3.9	0.0	0.0	0.0	3.9	3.9	3.9
orecast Adjustment Details:										

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adi Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3684.000 - SERVICE DELIVERY - NCS

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

	d-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	1,010	1,203	1,244	1,239	307
Non-Labor	299	305	130	297	67
NSE	0	0	0	0	0
Total	1,309	1,508	1,373	1,535	374
FTE	11.7	13.3	14.4	14.3	3.3
djustments (Nominal \$) *'	*				
Labor	-272	-272	-272	-272	0
Non-Labor	-12	-12	-12	-12	0
NSE	0	0	0	0	0
Total	-284	-284	-284	-284	0
FTE	-3.0	-3.0	-3.0	-3.0	0.0
ecorded-Adjusted (Nomir	nal \$)				
Labor	738	932	972	967	307
Non-Labor	287	293	118	285	67
NSE	0	0	0	0	0
Total	1,026	1,225	1,090	1,252	374
FTE	8.7	10.3	11.4	11.3	3.3
acation & Sick (Nominal S	\$)				
Labor	114	148	143	140	49
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	114	148	143	140	49
FTE	1.5	1.8	1.9	1.8	0.6
scalation to 2013\$					
Labor	81	76	43	19	0
Non-Labor	27	21	5	5	0
NSE	0	0	0	0	0
Total	108	97	48	24	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	ant 2013\$)				
Labor	933	1,156	1,159	1,127	355
Non-Labor	315	314	122	290	67
NSE	0	0	0	0	0
Total	1,248	1,470	1,281	1,416	422
FTE	10.2	12.1	13.3	13.1	3.9

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

\*\* Refer to "Detail of Adjustments to Recorded" page for line item adjustments *Note: Totals may include rounding differences.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3684.000 - SERVICE DELIVERY - NCS

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs							
Years	2009	2010 2011		2012	2013		
Labor	-272	-272	-272	-272	0		
Non-Labor	-12	-12	-12	-12	0		
NSE	0	0	0	0	0		
Total	-284	-284	-284	-284	0		
FTE	-3.0	-3.0	-3.0	-3.0	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	-66	-3	0	-1.0 CC	TR Transf	To 2200-2455.000	FFIGUERO20131 031144047087
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			
2009	-64	-3	0	-1.0 CC	TR Transf	To 2200-2458.000	FFIGUERO20131 031144408893
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031144400033
2009	-92	-3	0	-1.0 CC	TR Transf	To 2200-2460.000	FFIGUERO20131 031144654407
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031144054407
2009	-50	-3	0	0.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131 031144918833
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031144910033
2009 Total	-272	-12	0	-3.0			
2010	-66	-3	0	-1.0 CC	TR Transf	To 2200-2455.000	FFIGUERO20131
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031144117480
2010	-64	-3	0	-1.0 CC	TR Transf	To 2200-2458.000	FFIGUERO20131
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031144439237
2010	-92	-3	0	-1.0 CC	TR Transf	To 2200-2460.000	FFIGUERO20131
IT Employee	Transfer from	SDGE to S	CG as o	f 2013			031144724570

Note: Totals may include rounding differences.

Area: Witness: Category: Category-Sub: Cost Center:	Steph B. Infr 1. Infr	RMATION TEC en J. Mikovits rastructure astructure 3684.000 - SEF		OGY DELIVERY - NCS		
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	FTE Adj Type	From CCtr	<u>RefID</u>
2010	-50	-3	0	0.0 CCTR Transf	To 2200-2470.000	FFIGUERO20131
IT Employee	e Transfer fro	om SDGE to SC	CG as o	of 2013		031145004490
2010 Total	-272	-12	0	-3.0		
2011 IT Employee	-66 e Transfer fro	-3 om SDGE to SC	0 CG as o	-1.0 CCTR Transf	To 2200-2455.000	FFIGUERO20131 031144157123
2011	-64	-3	0	-1.0 CCTR Transf	To 2200-2458.000	FFIGUERO20131
IT Employee	e Transfer fro	om SDGE to SC	CG as (	of 2013		031144523160
2011	-92	-3	0	-1.0 CCTR Transf	To 2200-2460.000	FFIGUERO20131 031144800343
		om SDGE to SC				
2011	-50	-3	0	0.0 CCTR Transf	To 2200-2470.000	FFIGUERO20131 031145039010
		om SDGE to SC				
2011 Total	-272	-12	0	-3.0		
2012	-66	-3	0	-1.0 CCTR Transf	To 2200-2455.000	FFIGUERO20131 031144255113
2012	-64	om SDGE to SC		-1.0 CCTR Transf	To 2200 2458 000	
					10 2200-2430.000	FFIGUERO20131 031144554233
2012	-92	om SDGE to SC -3	.G as ( 0	-1.0 CCTR Transf	To 2200-2460.000	FFIGUERO20131
		-			10 2200-2400.000	031144831660
2012	-50	om SDGE to SC -3	0 as	0.0 CCTR Transf	To 2200-2470.000	FFIGUERO20131
IT Employee	e Transfer fro	om SDGE to SC	CG as o	of 2013		031145105477
2012 Total	-272	-12	0	-3.0		
2013 Total	0	0	0	0.0		

Beginning of Workpaper 2100-3698.000 - SERVICE DEVELOPMENT PROGRAM MANAGEMENT

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3698.000 - SERVICE DEVELOPMENT PROGRAM MANAGEMENT

### **Activity Description:**

This cost center supports all of IT&CS, including the group's support of other affiliates.

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### NSE - Base YR Rec

N/A

## Summary of Results:

	In 2013\$ (000) Incurred Costs									
		Adju	isted-Recor	ded		Ad	justed-Fore	east		
Years	2009	2010	2011	2012	2013	2014	2015	2016		
Labor	313	704	795	966	-10	-10	209	428		
Non-Labor	55	65	57	40	2	2	22	42		
NSE	0	0	0	0	0	0	0	0		
Total	368	770	852	1,006	-9	-9	230	469		
FTE	2.8	6.5	8.1	9.3	-0.1	-0.1	2.1	4.2		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3698.000 - SERVICE DEVELOPMENT PROGRAM MANAGEMENT

## Cost Center Allocations (Incurred Costs):

	2013 Adjusted-Recorded					2014 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	-10	2	0	-8	-0.10	-10	2	0	-8	-0.10
Total Incurred	-10	2	0	-8	-0.10	-10	2	0	-8	-0.10
% Allocation										
Retained	41.64%	41.64%				40.93%	40.93%			
SEU	54.70%	54.70%				53.23%	53.23%			
CORP	3.66%	3.66%				3.81%	3.81%			
Unreg	0.00%	0.00%				2.03%	2.03%			

	2015 Adjusted-Forecast						2016 Adju	sted-Fore	cast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	209	22	0	231	2.10	428	42	0	470	4.20
Total Incurred	209	22	0	231	2.10	428	42	0	470	4.20
% Allocation										
Retained	40.93%	40.93%				40.93%	40.93%			
SEU	53.23%	53.23%				53.23%	53.23%			
CORP	3.81%	3.81%				3.81%	3.81%			
Unreg	2.03%	2.03%				2.03%	2.03%			

## Cost Center Allocation Percentage Drivers/Methodology:

### Cost Center Allocation Percentage for 2013

The weighted average was taken of all cost centers under the IT & Client Services Department. This method reflects the level of support.

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

The weighted average was taken of all cost centers under the IT & Client Services Department. This method reflects the level of support.

### **Cost Center Allocation Percentage for 2015**

The weighted average was taken of all cost centers under the IT & Client Services Department. This method reflects the level of support.

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

The weighted average was taken of all cost centers under the IT & Client Services Department. This method reflects the level of support.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3698.000 - SERVICE DEVELOPMENT PROGRAM MANAGEMENT

### Forecast Summary:

			In 201	3 \$(000) In	curred Co	sts				
Forecas	t Method	Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Year	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	-10	-10	-10	0	219	438	-10	209	428
Non-Labor	Base YR Rec	2	2	2	0	20	40	2	22	42
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	al	-9	-9	-9	0	239	478	-9	230	469
FTE	Base YR Rec	-0.1	-0.1	-0.1	0.0	2.2	4.3	-0.1	2.1	4.2
orecast Adjı	ustment Details:			I						
<u>Year/Ex</u>	pl. Labor	<u>r I</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Typ</u>	<u>)e</u>		
2014 T	otal C	)	0	0	0	0.0				
2015	123	3	10	0	133	1.2	1-Sided	Adj		

1.5 new employees to support new IT initiatives across the company in 2015 and in 2016. \$100k average salary plus \$10k per employee in associated NL costs.

Incremental Employee requirements were estimated to be 15 headcount across the IT DIvision in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

2015	96	10	0	106	1.0	1-Sided Adj
------	----	----	---	-----	-----	-------------

1.9 FTE at \$100k per employee plus \$10k per employee in associated NL costs, split across 2015 and 2016.

2015 Total	219	20	0	239	2.2	
2016	123	10	0	133	1.2	1-Sided Adj

1.5 new employees to support new IT initiatives across the company in 2015 and in 2016. \$100k average salary plus \$10k per employee in associated NL costs.

Incremental Employee requirements were estimated to be 15 headcount across the IT Division in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3698.000 - SERVICE DEVELOPMENT PROGRAM MANAGEMENT

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	FTE Adj Type
2016	192	20	0	212	1.9 1-Sided Adj

1.9 FTE at \$100k per employee plus \$10k per employee in associated NL costs, split across 2015 and 2016.

2016	123	10	0	133	1.2	1-Sided Adj
------	-----	----	---	-----	-----	-------------

1.5 new employees to support new IT initiatives across the company in 2015 and in 2016. \$100k average salary plus \$10k per employee in associated NL costs.

Incremental Employee requirements were estimated to be 15 headcount across the IT DIvision in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3698.000 - SERVICE DEVELOPMENT PROGRAM MANAGEMENT

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

	a-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	247	567	667	829	-9
Non-Labor	51	61	55	39	2
NSE	0	0	0	0	0
Total	298	628	722	869	-7
FTE	2.4	5.5	6.9	8.0	-0.1
djustments (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
ecorded-Adjusted (Nomi	nal \$)				
Labor	247	567	667	829	-9
Non-Labor	51	61	55	39	2
NSE	0	0	0	0	0
Total	298	628	722	869	-7
FTE	2.4	5.5	6.9	8.0	-0.1
acation & Sick (Nominal	\$)				
Labor	38	90	98	120	-1
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	38	90	98	120	-1
FTE	0.4	1.0	1.1	1.3	0.0
scalation to 2013\$					
Labor	27	47	30	16	0
Non-Labor	5	4	2	1	0
NSE	0	0	0	0	0
Total	32	51	32	17	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	313	704	795	966	-10
Non-Labor	55	65	57	40	2
NSE	0	0	0	0	0
Total	368	770	852	1,006	-9
FTE	2.8	6.5	8.0	9.3	-0.1

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

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

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3698.000 - SERVICE DEVELOPMENT PROGRAM MANAGEMENT

## 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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3824.000 - INFRAST PRGRM OFFICE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3824.000 - INFRAST PRGRM OFFICE

### **Activity Description:**

This cost center contains all IT Compliance Management enterpise-wide.

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### NA

### Summary of Results:

	In 2013\$ (000) Incurred Costs								
		Adju	isted-Recor	ded		Ad	justed-Fore	cast	
Years	2009	2010	2011	2012	2013	2014	2015	2016	
Labor	0	0	395	379	203	203	203	203	
Non-Labor	0	0	17	145	14	14	14	14	
NSE	0	0	0	0	0	0	0	0	
Total	0	0	412	524	217	217	217	217	
FTE	0.0	0.0	3.2	3.0	1.6	1.6	1.6	1.6	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3824.000 - INFRAST PRGRM OFFICE

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

		2013 Adjus	sted-Reco	rded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	16	0	0	16	0.09	16	0	0	16	0.09
Directly Allocated	-3	0	0	-3	-0.03	-3	0	0	-3	-0.03
Subj. To % Alloc.	190	14	0	204	1.53	190	14	0	204	1.54
Total Incurred	203	14	0	217	1.59	203	14	0	217	1.60
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	16	0	0	16	0.09	16	0	0	16	0.09
Directly Allocated	-3	0	0	-3	-0.03	-3	0	0	-3	-0.03
Subj. To % Alloc.	190	14	0	204	1.54	190	14	0	204	1.54
Total Incurred	203	14	0	217	1.60	203	14	0	217	1.60
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3824.000 - INFRAST PRGRM OFFICE

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3824.000 - INFRAST PRGRM OFFICE

### Forecast Summary:

	In 2013 \$(000) Incurred Costs										
Forecast	t Method	Bas	se Foreca	st	Forec	ast Adjust	ments	Adjusted-Forecast			
Years		2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	203	203	203	0	0	0	203	203	203	
Non-Labor	Base YR Rec	14	14	14	0	0	0	14	14	14	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	Total		217	217	0	0	0	217	217	217	
FTE	Base YR Rec	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6	

## Forecast Adjustment Details:

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adi Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3824.000 - INFRAST PRGRM OFFICE

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

otornination of Aujuotou	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	0	0	331	325	175
Non-Labor	0	0	17	143	14
NSE	0	0	0	0	0
Total	0	0	348	468	190
FTE	0.0	0.0	2.8	2.6	1.3
djustments (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	0	0	331	325	175
Non-Labor	0	0	17	143	14
NSE	0	0	0	0	0
Total	0	0	348	468	190
FTE	0.0	0.0	2.8	2.6	1.3
acation & Sick (Nominal \$	5)				
Labor	0	0	49	47	28
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	49	47	28
FTE	0.0	0.0	0.5	0.4	0.2
scalation to 2013\$					
Labor	0	0	15	6	0
Non-Labor	0	0	1	2	0
NSE	0	0	0	0	0
Total	0	0	15	9	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	395	379	203
Non-Labor	0	0	17	145	14
NSE	0	0	0	0	0
Total	0	0	412	524	217
FTE	0.0	0.0	3.3	3.0	1.5

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3824.000 - INFRAST PRGRM OFFICE

## 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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3835.000 - SDGE NETWRK INTEGRA

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3835.000 - SDGE NETWRK INTEGRA

### Activity Description:

This cost center is responsible for the installation and maintenance of telecom equipment including PBXs, microwave, data and mobile radio services across the SDG&E service territory, including Corporate Center (parent).

### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### NSE - Base YR Rec

NA

## Summary of Results:

]	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	ded		Ad	Adjusted-Forecast					
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	0	0	220	676	0	0	0	0				
Non-Labor	0	0	56	316	17	17	17	17				
NSE	0	0	0	0	0	0	0	0				
Total	0	0	277	992	16	16	16	16				
FTE	0.0	0.0	2.3	7.7	0.0	0.0	0.0	0.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3835.000 - SDGE NETWRK INTEGRA

## Cost Center Allocations (Incurred Costs):

		2013 Adjusted-Recorded					2014 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE	
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00	
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00	
Subj. To % Alloc.	0	17	0	17	-0.01	0	17	0	17	-0.01	
Total Incurred	0	17	0	17	-0.01	0	17	0	17	-0.01	
% Allocation											
Retained	91.91%	91.91%				91.91%	91.91%				
SEU	0.00%	0.00%				0.00%	0.00%				
CORP	8.09%	8.09%				8.09%	8.09%				
Unreg	0.00%	0.00%				0.00%	0.00%				
		2015 Adju	sted-Fore	cast			2016 Adjı	usted-Fore	cast		

	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	17	0	17	-0.01	0	17	0	17	-0.01
Total Incurred	0	17	0	17	-0.01	0	17	0	17	-0.01
% Allocation										
Retained	91.91%	91.91%				91.91%	91.91%			
SEU	0.00%	0.00%				0.00%	0.00%			
CORP	8.09%	8.09%				8.09%	8.09%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3835.000 - SDGE NETWRK INTEGRA

### Cost Center Allocation Percentage Drivers/Methodology:

### Cost Center Allocation Percentage for 2013

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3835.000 - SDGE NETWRK INTEGRA

### Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecast	t Method	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjusted-Forecast		
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
Non-Labor	Base YR Rec	17	17	17	0	0	0	17	17	17
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	d	16	16	16	0	0	0	16	16	16
FTE	Base YR Rec	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>	<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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3835.000 - SDGE NETWRK INTEGRA

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

·····,····	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	0	0	185	580	0
Non-Labor	0	0	54	311	17
NSE	0	0	0	0	0
Total	0	0	239	891	16
FTE	0.0	0.0	2.0	6.7	0.0
djustments (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	0	0	185	580	0
Non-Labor	0	0	54	311	17
NSE	0	0	0	0	0
Total	0	0	239	891	16
FTE	0.0	0.0	2.0	6.7	0.0
acation & Sick (Nominal \$	5)				
Labor	0	0	27	84	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	27	84	0
FTE	0.0	0.0	0.3	1.1	0.0
scalation to 2013\$					
Labor	0	0	8	11	0
Non-Labor	0	0	2	5	0
NSE	0	0	0	0	0
Total	0	0	10	17	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	220	676	0
Non-Labor	0	0	56	316	17
NSE	0	0	0	0	0
Total	0	0	277	992	16
FTE	0.0	0.0	2.3	7.8	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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3835.000 - SDGE NETWRK INTEGRA

## 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				

Beginning of Workpaper 2100-3843.000 - SCG NETWORK INTEGRATION

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3843.000 - SCG NETWORK INTEGRATION

### **Activity Description:**

This cost center supports SCG Network Integration costs originating at SDGE.

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### NA

### Summary of Results:

[		In 2013\$ (000) Incurred Costs							
		Adju	usted-Recor	ded		Ad	Adjusted-Forecast		
Years	2009	2010	2011	2012	2013	2014	2015	2016	
Labor	0	0	0	486	1	1	1	1	
Non-Labor	0	0	0	28	0	0	0	0	
NSE	0	0	0	0	0	0	0	0	
Total	0	0	0	514	1	1	1	1	
FTE	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3843.000 - SCG NETWORK INTEGRATION

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

	2013 Adjusted-Recorded					2014 Adjusted-Forecast						
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE		
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00		
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00		
Subj. To % Alloc.	1	0	0	1	0.01	1	0	0	1	0.01		
Total Incurred	1	0	0	1	0.01	1	0	0	1	0.01		
% Allocation												
Retained	41.64%	41.64%				41.64%	41.64%					
SEU	54.70%	54.70%				54.70%	54.70%					
CORP	3.66%	3.66%				3.66%	3.66%					
Unreg	0.00%	0.00%				0.00%	0.00%					
		2015 Adjusted-Forecast					2016 Adjusted-Forecast					

	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	1	0	0	1	0.01	1	0	0	1	0.01
Total Incurred	1	0	0	1	0.01	1	0	0	1	0.01
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3843.000 - SCG NETWORK INTEGRATION

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3843.000 - SCG NETWORK INTEGRATION

## Forecast Summary:

	In 2013 \$(000) Incurred Costs											
Forecast	Forecast Method Base Forecast			Forec	ast Adjust	ments	Adjusted-Forecast					
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016		
Labor	Base YR Rec	1	1	1	0	0	0	1	1	1		
Non-Labor	Base YR Rec	0	0	0	0	0	0	0	0	0		
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0		
Tota	Total		1	1	0	0	0	1	1	1		
FTE	Base YR Rec	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>	<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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3843.000 - SCG NETWORK INTEGRATION

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

etermination of Aujusted	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	417	1
Non-Labor	0	0	0	27	0
NSE	0	0	0	0	0
Total	0	0	0	444	1
FTE	0.0	0.0	0.0	4.9	0.0
djustments (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
ecorded-Adjusted (Nomina	al \$)				
Labor	0	0	0	417	1
Non-Labor	0	0	0	27	0
NSE	0	0	0	0	0
Total	0	0	0	444	1
FTE	0.0	0.0	0.0	4.9	0.0
acation & Sick (Nominal \$)	)				
Labor	0	0	0	60	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	60	0
FTE	0.0	0.0	0.0	0.8	0.0
scalation to 2013\$					
Labor	0	0	0	8	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	9	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	0	486	1
Non-Labor	0	0	0	28	0
NSE	0	0	0	0	0
Total	0	0	0	514	1
FTE	0.0	0.0	0.0	5.7	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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3843.000 - SCG NETWORK INTEGRATION

## 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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3855.000 - CLINT SERVICES MAINTENANCE & SUPPORT

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3855.000 - CLINT SERVICES MAINTENANCE & SUPPORT

### **Activity Description:**

This cost center performs contract management and administration and planning activities for the maintenance contracts associated with support for the Distributed Server Environment and Network systems, Scalable Platform Services, Client Technology & Depot Services, SempraHelp & IT Service Management. Also, performs management and administration of leased circuits contracts costs and Telephone invoices.

## Forecast Explanations:

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### NSE - Base YR Rec

N/A

#### Summary of Results:

[	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	Adjusted-Forecast								
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	0	0	0	0	0	0	0	0				
Non-Labor	0	0	0	4,258	5,471	4,514	4,875	5,265				
NSE	0	0	0	0	0	0	0	0				
Total	0	0	0	4,258	5,471	4,514	4,875	5,265				
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3855.000 - CLINT SERVICES MAINTENANCE & SUPPORT

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

	2013 Adjusted-Recorded						2014 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE	
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00	
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00	
Subj. To % Alloc.	0	5,471	0	5,471	0.00	0	4,514	0	4,514	0.00	
Total Incurred	0	5,471	0	5,471	0.00	0	4,514	0	4,514	0.00	
% Allocation											
Retained	41.63%	41.63%				38.45%	38.45%				
SEU	53.01%	53.01%				53.95%	53.95%				
CORP	4.34%	4.34%				4.52%	4.52%				
Unreg	1.02%	1.02%				3.08%	3.08%				

	2015 Adjusted-Forecast				2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	4,875	0	4,875	0.00	0	5,265	0	5,265	0.00
Total Incurred	0	4,875	0	4,875	0.00	0	5,265	0	5,265	0.00
% Allocation										
Retained	38.45%	38.45%				38.45%	38.45%			
SEU	53.95%	53.95%				53.95%	53.95%			
CORP	4.52%	4.52%				4.52%	4.52%			
Unreg	3.08%	3.08%				3.08%	3.08%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:B. InfrastructureCategory-Sub:1. InfrastructureCost Center:2100-3855.000 - CLINT SERVICES MAINTENANCE & SUPPORT

### Cost Center Allocation Percentage Drivers/Methodology:

### Cost Center Allocation Percentage for 2013

This cost center cost are for maintenance contract costs for hardware and software equipment that provides Distributed Server Environment and Network systems, Scalable Platform Services, Client Technology & Depot Services, SempraHelp & IT Service Management. System functions for computer users at SDGE, SCG and Parent, and voice support functions for Telecommunications device users at SDGE, SCG, Parent and certain Global Companies -Voice count. Computer users are provided a LAN ID in order to access and use computing services. Therefore, LAN ID is the most representative determination for the allocation of systems maintenance contract costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to employees and contractors. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. The Telephone devices and LAN ID use across companies are then measured on maintenance contract allocation basis accordingly to the basis of support they provide.

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

This cost center cost are for maintenance contract costs for hardware and software equipment that provides Distributed Server Environment and Network systems, Scalable Platform Services, Client Technology & Depot Services, SempraHelp & IT Service Management. System functions for computer users at SDGE, SCG and Parent, and voice support functions for Telecommunications device users at SDGE, SCG, Parent and certain Global Companies -Voice count. Computer users are provided a LAN ID in order to access and use computing services. Therefore, LAN ID is the most representative determination for the allocation of systems maintenance contract costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to employees and contractors. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. The Telephone devices and LAN ID use across companies are then measured on maintenance contract allocation basis accordingly to the basis of support they provide.

#### **Cost Center Allocation Percentage for 2015**

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:B. InfrastructureCategory-Sub:1. InfrastructureCost Center:2100-3855.000 - CLINT SERVICES MAINTENANCE & SUPPORT

This cost center cost are for maintenance contract costs for hardware and software equipment that provides Distributed Server Environment and Network systems, Scalable Platform Services, Client Technology & Depot Services, SempraHelp & IT Service Management. System functions for computer users at SDGE, SCG and Parent, and voice support functions for Telecommunications device users at SDGE, SCG, Parent and certain Global Companies -Voice count. Computer users are provided a LAN ID in order to access and use computing services. Therefore, LAN ID is the most representative determination for the allocation of systems maintenance contract costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to employees and contractors. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. The Telephone devices and LAN ID use across companies are then measured on maintenance contract allocation basis accordingly to the basis of support they provide.

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

This cost center cost are for maintenance contract costs for hardware and software equipment that provides Distributed Server Environment and Network systems, Scalable Platform Services, Client Technology & Depot Services, SempraHelp & IT Service Management. System functions for computer users at SDGE, SCG and Parent, and voice support functions for Telecommunications device users at SDGE, SCG, Parent and certain Global Companies -Voice count. Computer users are provided a LAN ID in order to access and use computing services. Therefore, LAN ID is the most representative determination for the allocation of systems maintenance contract costs to SDGE, SCG, and Parent. In addition, LAN ID is assigned specifically to the users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to employees and contractors. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. The Telephone devices and LAN ID use across companies are then measured on maintenance contract allocation basis accordingly to the basis of support they provide.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3855.000 - CLINT SERVICES MAINTENANCE & SUPPORT

### Forecast Summary:

			In 201	3 \$(000) lı	ncurred Co	sts				
Forecast	Forecast Method Base Forecast Forecast Adjustments Adjusted-Forecast								ast	
Years	8	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
Non-Labor	Base YR Rec	5,471	5,471	5,471	-957	-596	-206	4,514	4,875	5,265
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	5,471	5,471	5,471	-957	-596	-206	4,514	4,875	5,265
FTE	Base YR Rec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

#### Forecast Adjustment Details:

2015

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
2014	0	-957	0	-957	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

Please see SDG&E-19-WP, cost center 2100-3855.000. This cost center includes distributed server and network contracts, which reflect a 1-time cost savings of \$.957 million in 2014. An 8% escalation rate was applied to 2015-2016 based upon a combination of historical averages, warranty expirations, and business-driven growth.

2014 Total	0	-957	0	-957	0.0	

-957

0.0

1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

0

Please see SDG&E-19-WP, cost center 2100-3855.000. This cost center includes distributed server and network contracts, which reflect a 1-time cost savings of \$.957 million in 2014. An 8% escalation rate was applied to 2015-2016 based upon a combination of historical averages, warranty expirations, and business-driven growth.

2015	0	361	0	361	0.0	1-Sided Adj
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2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

Please see SDG&E-19-WP, cost center 2100-3855.000. This cost center includes distributed server and network contracts, which reflect a 1-time cost savings of \$.957 million in 2014. An 8% escalation rate was applied to 2015-2016 based upon a combination of historical averages, warranty expirations, and business-driven growth.

Note: Totals may include rounding differences.

0

-957

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3855.000 - CLINT SERVICES MAINTENANCE & SUPPORT

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	FTE Adj Type	
2015 Total	0	-596	0	-596	0.0	
2016	0	-957	0	-957	0.0 1-Sided Adj	

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

Please see SDG&E-19-WP, cost center 2100-3855.000. This cost center includes distributed server and network contracts, which reflect a 1-time cost savings of \$.957 million in 2014. An 8% escalation rate was applied to 2015-2016 based upon a combination of historical averages, warranty expirations, and business-driven growth.

2016	0	390	0	390	0.0	1-Sided Adj
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2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

Please see SDG&E-19-WP, cost center 2100-3855.000. This cost center includes distributed server and network contracts, which reflect a 1-time cost savings of \$.957 million in 2014. An 8% escalation rate was applied to 2015-2016 based upon a combination of historical averages, warranty expirations, and business-driven growth.

2016 0 361 0 361 0.0 1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

Please see SDG&E-19-WP, cost center 2100-3855.000. This cost center includes distributed server and network contracts, which reflect a 1-time cost savings of \$.957 million in 2014. An 8% escalation rate was applied to 2015-2016 based upon a combination of historical averages, warranty expirations, and business-driven growth.

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Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3855.000 - CLINT SERVICES MAINTENANCE & SUPPORT

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	0	0	0	1,525	5,471
NSE	0	0	0	0	0
Total	0	0	0	1,525	5,471
FTE	0.0	0.0	0.0	0.0	0.0
djustments (Nominal \$) *	*				
Labor	0	0	0	0	0
Non-Labor	0	0	0	2,660	0
NSE	0	0	0	0	0
Total	0	0	0	2,660	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Nomir	nal \$)				
Labor	0	0	0	0	0
Non-Labor	0	0	0	4,186	5,471
NSE	0	0	0	0	0
Total	0	0	0	4,186	5,471
FTE	0.0	0.0	0.0	0.0	0.0
acation & Sick (Nominal S	\$)				
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
scalation to 2013\$					
Labor	0	0	0	0	0
Non-Labor	0	0	0	72	0
NSE	0	0	0	0	0
Total	0	0	0	72	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	0	0	0	0	0
Non-Labor	0	0	0	4,258	5,471
NSE	0	0	0	0	0
Total	0	0	0	4,258	5,471
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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3855.000 - CLINT SERVICES MAINTENANCE & 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	2,660	0						
NSE	0	0	0	0	0						
Total	0	0	0	2,660	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	<u>RefID</u>
2009 Total	0	0	0	0.0			
2010 Total	0	0	0	0.0			
2011 Total	0	0	0	0.0			
2012	0	2,660	0	0.0 CC	TR Transf	From 2100-3857.000	MPEREIRA20140
Internal reorg	ganizational o	changes to n	nonitor co	ntract cost	ts. Moved co	sts to 2100-3855.	423160209237
2012 Total	0	2,660	0	0.0			
2013 Total	0	0	0	0.0			

Beginning of Workpaper 2100-3856.000 - VOICE LEASED CIRCUITS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3856.000 - VOICE LEASED CIRCUITS

### **Activity Description:**

This Cost Center is for planning and payment of Voice circuits leasing costs associated with voice communication for the Company on a system-wide basis.

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## N/A

## Summary of Results:

	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	ded		Ad	justed-Fore	cast				
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	0	0	0	0	0	0	0	0				
Non-Labor	0	0	0	413	900	1,069	1,155	1,247				
NSE	0	0	0	0	0	0	0	0				
Total	0	0	0	413	900	1,069	1,155	1,247				
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3856.000 - VOICE LEASED CIRCUITS

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

	2013 Adjusted-Recorded						2014 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	900	0	900	0.00	0	1,069	0	1,069	0.00
Total Incurred	0	900	0	900	0.00	0	1,069	0	1,069	0.00
% Allocation										
Retained	41.63%	41.63%				39.20%	39.20%			
SEU	53.01%	53.01%				45.13%	45.13%			
CORP	4.34%	4.34%				6.39%	6.39%			
Unreg	1.02%	1.02%				9.28%	9.28%			

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	1,155	0	1,155	0.00	0	1,247	0	1,247	0.00
Total Incurred	0	1,155	0	1,155	0.00	0	1,247	0	1,247	0.00
% Allocation										
Retained	39.20%	39.20%				39.20%	39.20%			
SEU	45.13%	45.13%				45.13%	45.13%			
CORP	6.39%	6.39%				6.39%	6.39%			
Unreg	9.28%	9.28%				9.28%	9.28%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3856.000 - VOICE LEASED CIRCUITS

### Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

The Voice Leased Circuit cost center costs are for leased contract costs for voice communications functions for Telecommunications device users at SDGE, SCG, Parent and Global Companies. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. The Telephone devices count across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. LAN ID are assigned specifically to users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. Therefore, LAN ID is the most representative determination of costs to SDGE, SCG, and Parent.

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

The Voice Leased Circuit cost center costs are for leased contract costs for voice communications functions for Telecommunications device users at SDGE, SCG, Parent and Global Companies. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. The Telephone devices count across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. LAN ID are assigned specifically to users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. Therefore, LAN ID is the most representative determination for the allocation of costs to SDGE, SCG, and Parent.

#### **Cost Center Allocation Percentage for 2015**

The Voice Leased Circuit cost center costs are for leased contract costs for voice communications functions for Telecommunications device users at SDGE, SCG, Parent and Global Companies. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. The Telephone devices count across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. LAN ID are assigned specifically to users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. Therefore, LAN ID is the most representative determination of costs to SDGE, SCG, and Parent.

#### Cost Center Allocation Percentage for 2016

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:B. InfrastructureCategory-Sub:1. InfrastructureCost Center:2100-3856.000 - VOICE LEASED CIRCUITS

The Voice Leased Circuit cost center costs are for leased contract costs for voice communications functions for Telecommunications device users at SDGE, SCG, Parent and Global Companies. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. The Telephone devices count across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes. Computer users are provided a LAN ID in order to access and use the services provided by IT & Client Services cost centers. LAN ID are assigned specifically to users at the respective companies and is the most efficient and streamlined method to accurately determine the use of services by the various companies. LAN IDs are assigned to all types of workers, employees and non-employees, providing an improved allocation measure compared to employee FTE counts. Therefore, LAN ID is the most representative determination of costs to SDGE, SCG, and Parent.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3856.000 - VOICE LEASED CIRCUITS

### Forecast Summary:

	In 2013 \$(000) Incurred Costs													
Forecast	t Method	Base Forecast Forecast Adjustments Adj				Adjus	justed-Forecast							
Years	6	2014	2014 2015 2016 2014 2015 2016			2014	2015	2016						
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0				
Non-Labor	Base YR Rec	900	900	900	169	255	347	1,069	1,155	1,247				
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0				
Tota	I	900	900	900	169	255	347	1,069	1,155	1,247				
FTE	Base YR Rec	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>	<u>FTE</u>	<u>Adj Type</u>
2014	0	169	0	169	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2014 Total	0	169	0	169	0.0		
2015	0	86	0	86	0.0	1-Sided Adj	

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2015	0	169	0	169	0.0	1-Sided Adj
------	---	-----	---	-----	-----	-------------

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3856.000 - VOICE LEASED CIRCUITS

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u> A	d <u>i Type</u>	
2015 Total	0	255	0	255	0.0		
2016	0	169	0	169	0.0	1-Sided Adj	
-	stment to current to tion of historical		-			-	
services, a	t costs, including i and other contract based on expand	s are anticip	ated to escala	ate by approx	imately 8%	per year in 2015	
2016	0	92	0	92	0.0	1-Sided Adj	
•	stment to current to tion of historical		•			•	
services, a	t costs, including i and other contract	s are anticip	ated to escala	ate by approx	imately 8%		
	based on expand	ing services	, wananty ch	mation, and			
2016	0	86	0 O	86	0.0	1-Sided Adj	
2016 2014 adjus	·	86 contractual c	0 bbligations. 20	86 15 & 2016 e	0.0 scalation c	1-Sided Adj f 8% based upon	
2016 2014 adjus a combina IT contract services, a	0 stment to current o	86 contractual c averages, wa maintenance s are anticip	0 bbligations. 20 arranty expira agreements, ated to escala	86 115 & 2016 ea ations, and bu network serv ate by approx	0.0 scalation c usiness-driv vices, clien imately 8%	1-Sided Adj f 8% based upon ven growth. r support per year in 2015	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3856.000 - VOICE LEASED CIRCUITS

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

····,···	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	0	0	0	406	900
NSE	0	0	0	0	0
Total	0	0	0	406	900
FTE	0.0	0.0	0.0	0.0	0.0
djustments (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	0	0	0	406	900
NSE	0	0	0	0	0
Total	0	0	0	406	900
FTE	0.0	0.0	0.0	0.0	0.0
acation & 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
scalation to 2013\$					
Labor	0	0	0	0	0
Non-Labor	0	0	0	7	0
NSE	0	0	0	0	0
Total	0	0	0	7	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	0	0	0
Non-Labor	0	0	0	413	900
NSE	0	0	0	0	0
Total	0	0	0	413	900
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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 448 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3856.000 - VOICE LEASED CIRCUITS

## 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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3859.000 - SDGE PERSONAL OWNED DEVICE ALLOWANCE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3859.000 - SDGE PERSONAL OWNED DEVICE ALLOWANCE

### **Activity Description:**

Charges for SDG&E and Corporate Center employees' monthly allowance amounts for use of their personal mobile phones for Company activities.

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## N/A

#### Summary of Results:

				ln 2013\$ (00	0) Incurred	Costs		
		Adju	isted-Recor	ded		Ad	justed-Fore	cast
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	0	0	0	0	0	0	0	0
Non-Labor	0	0	0	25	327	528	570	616
NSE	0	0	0	0	0	0	0	0
Total	0	0	0	25	327	528	570	616
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3859.000 - SDGE PERSONAL OWNED DEVICE ALLOWANCE

## Cost Center Allocations (Incurred Costs):

		2013 Adjus	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	327	0	327	0.00	0	528	0	528	0.00
Total Incurred	0	327	0	327	0.00	0	528	0	528	0.00
% Allocation										
Retained	91.91%	91.91%				91.36%	91.36%			
SEU	0.00%	0.00%				0.00%	0.00%			
CORP	8.09%	8.09%				8.64%	8.64%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adjus	sted-Fore	cast		2016 Adjı	sted-Fore	cast		

		2015 Adju	cast	2016 Adjusted-Forecast						
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	570	0	570	0.00	0	616	0	616	0.00
Total Incurred	0	570	0	570	0.00	0	616	0	616	0.00
% Allocation										
Retained	91.36%	91.36%				91.36%	91.36%			
SEU	0.00%	0.00%				0.00%	0.00%			
CORP	8.64%	8.64%				8.64%	8.64%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:B. InfrastructureCategory-Sub:1. InfrastructureCost Center:2100-3859.000 - SDGE PERSONAL OWNED DEVICE ALLOWANCE

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

The use of SDG&E and Parent LAN ID s is the most appropriate metric for allocating SDG&E and Parent employees' monthly allowance amounts for use of their personal mobile phones as it represents the most accurate allocation available of employees requesting personal owned device allowances. SCG costs are charged to a separate and dedicated SCG cost center.

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

The use of SDG&E and Parent LAN ID s is the most appropriate metric for allocating SDG&E and Parent employees' monthly allowance amounts for use of their personal mobile phones as it represents the most accurate allocation available of employees requesting personal owned device allowances. SCG costs are charged to a separate and dedicated SCG cost center.

#### Cost Center Allocation Percentage for 2015

The use of SDG&E and Parent LAN ID s is the most appropriate metric for allocating SDG&E and Parent employees' monthly allowance amounts for use of their personal mobile phones as it represents the most accurate allocation available of employees requesting personal owned device allowances. SCG costs are charged to a separate and dedicated SCG cost center.

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

The use of SDG&E and Parent LAN ID s is the most appropriate metric for allocating SDG&E and Parent employees' monthly allowance amounts for use of their personal mobile phones as it represents the most accurate allocation available of employees requesting personal owned device allowances. SCG costs are charged to a separate and dedicated SCG cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3859.000 - SDGE PERSONAL OWNED DEVICE ALLOWANCE

### Forecast Summary:

			In 201	3 \$(000) lı	ncurred Co	sts				
Forecast Method Base Forecast			Forec	ast Adjust	tments	Adjusted-Forecast				
Years	8	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
Non-Labor	Base YR Rec	327	327	327	201	243	289	528	570	616
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	327	327	327	201	243	289	528	570	616
FTE	Base YR Rec	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>	<u>FTE</u>	<u>Adj Type</u>
2014	0	201	0	201	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2014 Total	0	201	0	201	0.0		
2015	0	201	0	201	0.0	1-Sided Adj	

2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2015	0	42	0	42	0.0	1-Sided Adj
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2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3859.000 - SDGE PERSONAL OWNED DEVICE ALLOWANCE

				<u>FTE</u> <u>A</u>	<u>di Type</u>
0	243	0	243	0.0	
0	201	0	201	0.0	1-Sided Adj
ther contracts	are anticipa	ated to esca	late by approxi	imately 8%	per year in 2015
0	46	0	46	0.0	1-Sided Adj
t	0 nt to current c of historical a ts, including m ther contracts ed on expandi	0 201 nt to current contractual of of historical averages, wa ts, including maintenance other contracts are anticip ed on expanding services	0 201 0 nt to current contractual obligations. 2 of historical averages, warranty expi ts, including maintenance agreements other contracts are anticipated to esca ed on expanding services, warranty ex	0 201 0 201 nt to current contractual obligations. 2015 & 2016 es of historical averages, warranty expirations, and bu ts, including maintenance agreements, network serve other contracts are anticipated to escalate by approx ed on expanding services, warranty expiriation, and	0 201 0 201 0.0 Int to current contractual obligations. 2015 & 2016 escalation of of historical averages, warranty expirations, and business-drivents, its, including maintenance agreements, network services, client other contracts are anticipated to escalate by approximately 8% and on expanding services, warranty expiriation, and vendor cos

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

2016	0	42	0	42	0.0	1-Sided Adj
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2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiriation, and vendor cost escalations.

289 0 289 0.0
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Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3859.000 - SDGE PERSONAL OWNED DEVICE ALLOWANCE

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

etermination of Aujusted-	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	0	0	0	25	327
NSE	0	0	0	0	0
Total	0	0	0	25	327
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	0	0	0	25	327
NSE	0	0	0	0	0
Total	0	0	0	25	327
FTE	0.0	0.0	0.0	0.0	0.0
/acation & 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	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 (Consta	int 2013\$)				
Labor	0	0	0	0	0
Non-Labor	0	0	0	25	327
NSE	0	0	0	0	0
Total	0	0	0	25	327
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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3859.000 - SDGE PERSONAL OWNED DEVICE ALLOWANCE

## 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				

Beginning of Workpaper 2100-3884.000 - MGD SVC VOICE ENTERP

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3884.000 - MGD SVC VOICE ENTERP

### **Activity Description:**

This Cost Center is for the monthly vendor payments for the managed services of system-wide Voice support costs, excluding SCG contracts.

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## NA

## Summary of Results:

[		In 2013\$ (000) Incurred Costs												
		Adju	isted-Recor	Ad	Adjusted-Forecast									
Years	2009	2010	2011	2012	2013	2014	2015	2016						
Labor	0	0	0	0	0	0	0	0						
Non-Labor	0	0	0	0	888	890	961	1,038						
NSE	0	0	0	0	0	0	0	0						
Total	0	0	0	0	888	890	961	1,038						
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3884.000 - MGD SVC VOICE ENTERP

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

		2013 Adju	sted-Reco	orded		2014 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	888	0	888	0.00	0	890	0	890	0.00
Total Incurred	0	888	0	888	0.00	0	890	0	890	0.00
% Allocation										
Retained	41.60%	41.60%				39.20%	39.20%			
SEU	44.90%	44.90%				45.13%	45.13%			
CORP	7.57%	7.57%				6.39%	6.39%			
Unreg	5.93%	5.93%				9.28%	9.28%			

	2015 Adjusted-Forecast					2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	961	0	961	0.00	0	1,038	0	1,038	0.00
Total Incurred	0	961	0	961	0.00	0	1,038	0	1,038	0.00
% Allocation										
Retained	39.20%	39.20%				39.20%	39.20%			
SEU	45.13%	45.13%				45.13%	45.13%			
CORP	6.39%	6.39%				6.39%	6.39%			
Unreg	9.28%	9.28%				9.28%	9.28%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3884.000 - MGD SVC VOICE ENTERP

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

This cost center costs are for Voice Managed Services that support voice communications functions for Telecommunications device users at SDGE, Parent and Global Companies. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. SCG costs are charged to a separate and dedicated SCG cost center. The Telephone devices count across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

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

This cost center costs are for Voice Managed Services that support voice communications functions for Telecommunications device users at SDGE, Parent and Global Companies. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. SCG costs are charged to a separate and dedicated SCG cost center. The Telephone devices count across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

### **Cost Center Allocation Percentage for 2015**

This cost center costs are for Voice Managed Services that support voice communications functions for Telecommunications device users at SDGE, Parent and Global Companies. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. SCG costs are charged to a separate and dedicated SCG cost center. The Telephone devices count across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

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

This cost center costs are for Voice Managed Services that support voice communications functions for Telecommunications device users at SDGE, Parent and Global Companies. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company. SCG costs are charged to a separate and dedicated SCG cost center. The Telephone devices count across companies will be measured on an annual basis at the end of the fiscal year and changed accordingly for the next fiscal year if company usage changes.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3884.000 - MGD SVC VOICE ENTERP

### Forecast Summary:

			In 201	3 \$(000 <u>)</u> li	ncurred Cos	sts				
Forec	ast Method	Bas	se Foreca	st	Forec	ast Adjustr	nents	Adjus	ted-Forec	ast
Ye	ears	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
Non-Labo	r Base YR Rec	888	888	888	2	73	150	890	961	1,038
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
	otal	888	888	888	2	73	150	890	961	1,038
FTE	Base YR Rec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forecast A	djustment Details:									
<u>Year/</u>	Expl. Labo	<u>r 1</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Ty</u>	pe		
2014	4 0	)	2	0	2	0.0	1-Sideo	l Adj		
I	Department reorganiz	ational char	nges \$2k l	NL adjustn	nent.					
2014	4 Total (	)	2	0	2	0.0				
201: I	5 ( Department reorganiz		2 nges \$2k I	0 NL adjustn	2 nent.	0.0	1-Sidec	l Adj		
201	5 (	)	71	0	71	0.0	1-Sideo	l Adj		
	2014 adjustment to cu a combination of histo			•				•		
5	IT contract costs, incluservices, and other co and 2016, based on e	ntracts are	anticipate	d to escal	ate by appro	oximately 89	% per yea	r in 2015		
201	5 Total (	)	73	0	73	0.0				
2010	6 (	)	2	0	2	0.0	1-Sideo	l Adj		
I	Department reorganiz	ational char	nges \$2k I	NL adjustn	nent.					
2010	6 (	)	77	0	77	0.0	1-Sideo	l Adj		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3884.000 - MGD SVC VOICE ENTERP

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	FTE Adj Type
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2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiritation, and vendor cost escalations.

	2016	0	71	0	71	0.0	1-Sided Adj
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2014 adjustment to current contractual obligations. 2015 & 2016 escalation of 8% based upon a combination of historical averages, warranty expirations, and business-driven growth.

IT contract costs, including maintenance agreements, network services, client support services, and other contracts are anticipated to escalate by approximately 8% per year in 2015 and 2016, based on expanding services, warranty expiritation, and vendor cost escalations.

|--|

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3884.000 - MGD SVC VOICE ENTERP

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	888
NSE	0	0	0	0	0
Total	0	0	0	0	888
FTE	0.0	0.0	0.0	0.0	0.0
djustments (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
ecorded-Adjusted (Nomin	al \$)				
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	888
NSE	0	0	0	0	0
Total	0	0	0	0	888
FTE	0.0	0.0	0.0	0.0	0.0
acation & Sick (Nominal \$	5)				
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
scalation to 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
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	888
NSE	0	0	0	0	0
Total	0	0	0	0	888
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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3884.000 - MGD SVC VOICE ENTERP

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs											
Years	<u>2009</u> <u>2010</u> <u>2011</u> <u>2012</u> <u>2013</u>										
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				

Beginning of Workpaper 2100-3885.000 - VOICE ENTERP SUPPORT

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3885.000 - VOICE ENTERP SUPPORT

#### **Activity Description:**

This Cost Center supports the managed services of system-wide Voice support costs.

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

#### Summary of Results:

	In 2013\$ (000) Incurred Costs												
		Adju	isted-Recor	ded		Ad	justed-Fore	cast					
Years	2009	2010	2011	2012	2013	2014	2015	2016					
Labor	0	0	0	0	426	426	426	426					
Non-Labor	0	0	0	0	4	4	4	4					
NSE	0	0	0	0	0	0	0	0					
Total	0	0	0	0	430	430	430	430					
FTE	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7					

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3885.000 - VOICE ENTERP SUPPORT

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

		2013 Adju	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	426	4	0	430	3.71	426	4	0	430	3.71
Total Incurred	426	4	0	430	3.71	426	4	0	430	3.71
% Allocation										
Retained	41.61%	41.61%				39.20%	39.20%			
SEU	44.90%	44.90%				45.13%	45.13%			
CORP	7.56%	7.56%				6.39%	6.39%			
Unreg	5.93%	5.93%				9.28%	9.28%			

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	426	4	0	430	3.71	426	4	0	430	3.71
Total Incurred	426	4	0	430	3.71	426	4	0	430	3.71
% Allocation										
Retained	39.20%	39.20%				39.20%	39.20%			
SEU	45.13%	45.13%				45.13%	45.13%			
CORP	6.39%	6.39%				6.39%	6.39%			
Unreg	9.28%	9.28%				9.28%	9.28%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3885.000 - VOICE ENTERP SUPPORT

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

#### Cost Center Allocation Percentage for 2013

This cost center costs are for Voice Managed Services that support voice communications functions for Telecommunications device users at SDGE, SCG, Parent and Global Companies. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company.

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

This cost center costs are for Voice Managed Services that support voice communications functions for Telecommunications device users at SDGE, SCG, Parent and Global Companies. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company.

#### Cost Center Allocation Percentage for 2015

This cost center costs are for Voice Managed Services that support voice communications functions for Telecommunications device users at SDGE, SCG, Parent and Global Companies. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company.

#### Cost Center Allocation Percentage for 2016

This cost center costs are for Voice Managed Services that support voice communications functions for Telecommunications device users at SDGE, SCG, Parent and Global Companies. There is a unique Telephone device ID for every phone device used by the Companies and therefore, the Telephone device count is the most representative determination for the allocation of voice support costs to the Company.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3885.000 - VOICE ENTERP SUPPORT

#### Forecast Summary:

	In 2013 \$(000) Incurred Costs													
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjus	ted-Forec	ast				
Years	s	2014	2014 2015 2016		2014	2015 2016		2014	2015	2016				
Labor	Base YR Rec	426	426	426	0	0	0	426	426	426				
Non-Labor	Base YR Rec	4	4	4	0	0	0	4	4	4				
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0				
Tota	al	430	430	430	0	0	0	430	430	430				
FTE	Base YR Rec	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7				

Forecast Adjustment Details:

Year/Expl.	Labor	<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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3885.000 - VOICE ENTERP SUPPORT

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

<b>,</b>	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	0	367
Non-Labor	0	0	0	0	4
NSE	0	0	0	0	0
Total	0	0	0	0	372
FTE	0.0	0.0	0.0	0.0	3.2
djustments (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
ecorded-Adjusted (Nomina	al \$)				
Labor	0	0	0	0	367
Non-Labor	0	0	0	0	4
NSE	0	0	0	0	0
Total	0	0	0	0	372
FTE	0.0	0.0	0.0	0.0	3.2
acation & Sick (Nominal \$)					
Labor	0	0	0	0	58
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	0	58
FTE	0.0	0.0	0.0	0.0	0.6
scalation to 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
ecorded-Adjusted (Consta	int 2013\$)				
Labor	0	0	0	0	426
Non-Labor	0	0	0	0	4
NSE	0	0	0	0	0
Total	0	0	0	0	430
FTE	0.0	0.0	0.0	0.0	3.8

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3885.000 - VOICE ENTERP 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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3888.000 - CLIENT TECH SVCS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3888.000 - CLIENT TECH SVCS

#### **Activity Description:**

A business relationship management function between IT and IT's clients system-wide (Sempra's regulated utilities, Corporate Center), this group represents IT's services to these internal clients in an account management function to assist clients in achieving greater business optimization through the improved and effective use of IT's services. Specific functions include facilitating the resolution of problems where standard processes are not adequate, understanding the business operations and recommending further use of IT or outside technology services to improve the business and/or to save money. Educating clients on the value of IT policies and standards and bringing client needs to IT that would otherwise go unrecognized.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

## Summary of Results:

[		In 2013\$ (000) Incurred Costs							
		Adju	sted-Recor	ded		Ad	justed-Fored	cast	
Years	2009	2010	2011	2012	2013	2014	2015	2016	
Labor	0	0	0	0	310	310	310	310	
Non-Labor	0	0	0	0	17	17	17	17	
NSE	0	0	0	0	0	0	0	0	
Total	0	0	0	0	326	326	326	326	
FTE	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3888.000 - CLIENT TECH SVCS

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

La				lueu	2013 Adjusted-Recorded						
	_abor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE	
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00	
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00	
Subj. To % Alloc.	309	17	0	326	2.42	309	17	0	326	2.43	
Total Incurred	309	17	0	326	2.42	309	17	0	326	2.43	
% Allocation											
Retained 4	41.58%	41.58%				38.08%	38.08%				
SEU 5	54.76%	54.76%				58.32%	58.32%				
CORP	3.66%	3.66%				3.60%	3.60%				
Unreg	0.00%	0.00%				0.00%	0.00%				

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	309	17	0	326	2.43	309	17	0	326	2.43
Total Incurred	309	17	0	326	2.43	309	17	0	326	2.43
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3888.000 - CLIENT TECH SVCS

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

#### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center. The allocations are supported by the rationale that Education, Training and Communication activities of this cost center that are provided to IT employees is a benefit to all users at Sempra Utilities and Parent, since IT employees provide support to all users at Sempra Utilities and Parent.

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

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center. The allocations are supported by the rationale that Education, Training and Communication activities of this cost center that are provided to IT employees is a benefit to all users at Sempra Utilities and Parent, since IT employees provide support to all users at Sempra Utilities and Parent.

#### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center. The allocations are supported by the rationale that Education, Training and Communication activities of this cost center that are provided to IT employees is a benefit to all users at Sempra Utilities and Parent, since IT employees provide support to all users at Sempra Utilities and Parent.

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

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center. The allocations are supported by the rationale that Education, Training and Communication activities of this cost center that are provided to IT employees is a benefit to all users at Sempra Utilities and Parent, since IT employees provide support to all users at Sempra Utilities and Parent.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3888.000 - CLIENT TECH SVCS

#### Forecast Summary:

In 2013 \$(000) Incurred Costs											
Forecast Method			se Foreca	st	Forec	ast Adjust	nents	Adjusted-Forecast			
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	310	310	310	0	0	0	310	310	310	
Non-Labor	Base YR Rec	17	17	17	0	0	0	17	17	17	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	I	326	326	326	0	0	0	326	326	326	
FTE	Base YR Rec	2.4	2.4	2.4	0.0	0.0	0.0	2.4	2.4	2.4	
- ⁼orecast Adju	Forecast Adjustment Details:										
Year/Ex	pl. Labo	<u>r 1</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Typ</u>	<u>be</u>			

2014 Total	0	0	0	0	0.0	
2015 Total	0	0	0	0	0.0	
2016 Total	٥	0	٥	0	0.0	
201010101	U	U	U	U	0.0	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3888.000 - CLIENT TECH SVCS

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

······································	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	0	267
Non-Labor	0	0	0	0	17
NSE	0	0	0	0	0
Total	0	0	0	0	284
FTE	0.0	0.0	0.0	0.0	2.1
djustments (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
ecorded-Adjusted (Nomina	l \$)				
Labor	0	0	0	0	267
Non-Labor	0	0	0	0	17
NSE	0	0	0	0	0
Total	0	0	0	0	284
FTE	0.0	0.0	0.0	0.0	2.1
acation & Sick (Nominal \$)					
Labor	0	0	0	0	42
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	0	42
FTE	0.0	0.0	0.0	0.0	0.4
scalation to 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
ecorded-Adjusted (Constar	nt 2013\$)				
Labor	0	0	0	0	310
Non-Labor	0	0	0	0	17
NSE	0	0	0	0	0
Total	0	0	0	0	326
FTE	0.0	0.0	0.0	0.0	2.5

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

\*\* Refer to "Detail of Adjustments to Recorded" page for line item adjustments *Note: Totals may include rounding differences.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 478 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3888.000 - CLIENT TECH SVCS

## 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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3900.000 - IT PORTFOLIO MANAGEMENT

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-3900.000 - IT PORTFOLIO MANAGEMENT

#### **Activity Description:**

The IT portfolio Manager provides project management and development for IT Related Projects enterprise wide, as well as documentation for all business case and concepts. Also, project management for several SDGE funded projects.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

## Summary of Results:

[	In 2013\$ (000) Incurred Costs											
		Adju	usted-Recor	Ad	Adjusted-Forecast							
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	0	0	0	0	89	89	157	225				
Non-Labor	0	0	0	0	6	363	628	643				
NSE	0	0	0	0	0	0	0	0				
Total	0	0	0	0	95	452	785	868				
FTE	0.0	0.0	0.0	0.0	0.6	0.6	1.3	2.1				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3900.000 - IT PORTFOLIO MANAGEMENT

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

	2013 Adjusted-Recorded					2014 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	89	6	0	95	0.59	89	363	0	452	0.59
Total Incurred	89	6	0	95	0.59	89	363	0	452	0.59
% Allocation										
Retained	100.00%	100.00%				100.00%	100.00%			
SEU	0.00%	0.00%				0.00%	0.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
<b>Directly Retained</b>	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	157	628	0	785	1.29	225	643	0	868	2.09
Total Incurred	157	628	0	785	1.29	225	643	0	868	2.09
% Allocation										
Retained	100.00%	100.00%				100.00%	100.00%			
SEU	0.00%	0.00%				0.00%	0.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

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

#### **Cost Center Allocation Percentage for 2013**

Calculations are based on a weighted average of the department's cost allocations. This is appropriate as this cost center manages the performance of all cost centers within the IT PMO department.

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

Calculations are based on a weighted average of the department's cost allocations. This is appropriate as this cost center manages the performance of all cost centers within the IT PMO department.

#### Cost Center Allocation Percentage for 2015

Calculations are based on a weighted average of the department's cost allocations. This is appropriate as this cost center manages the performance of all cost centers within the IT PMO department.

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

Calculations are based on a weighted average of the department's cost allocations. This is appropriate as this cost center manages the performance of all cost centers within the IT PMO department.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3900.000 - IT PORTFOLIO MANAGEMENT

#### Forecast Summary:

Forecas			IN 201	3 \$(000) Ir	ncurred Cos	sts				
Forecast Method Base Forecast Forecast Adjustments Adjuste						ted-Foreca	ast			
Year	'S	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	89	89	89	0	68	136	89	157	225
Non-Labor	Base YR Rec	6	6	6	357	622	637	363	628	643
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota		95	95	95	357	690	773	452	785	868
FTE	Base YR Rec	0.6	0.6	0.6	0.0	0.7	1.5	0.6	1.3	2.1
orecast Adjı	ustment Details:									
<u>Year/Ex</u>	<u>(pl. Labo</u>	<u>r 1</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Ty</u>	<u>pe</u>		
2014	(	) 3	57	0	357	0.0	1-Sided	Adj		
Ар	ptio business perfo	rmance mea	asuremen	t system						
2014 T	otal (	) 3	857	0	357	0.0				
6.										
ave Inc in 2 clie	new employees to erage salary plus \$ cremental Employee 2015 and 2016. Th ent IT support need department and av	10k per emp e requireme ese 15 add s. The 15 h	oloyee in nts were e ed employ neadcount	associated estimated t vees are no were prore	d NL costs. to be 15 hea eeded to su ated based	adcount acro	oss the IT ess growtl	Division and		
ave Inc in 2 clie	erage salary plus \$ premental Employee 2015 and 2016. Th	10k per emp e requireme ese 15 add s. The 15 h erage O&C	oloyee in nts were e ed employ neadcount	associated estimated t vees are no were prore	d NL costs. to be 15 hea eeded to su ated based	adcount acro	oss the IT ess growtl	DIvision n and individual		
ave Inc in 2 clie IT 2015 .9 I	erage salary plus \$ cremental Employee 2015 and 2016. Th ent IT support need department and ave	10k per emp e requireme ese 15 add s. The 15 h erage O&C 3	oloyee in nts were e ed employ leadcount labor ratic 5	associated estimated t vees are no were pror- for the ba 0	d NL costs. to be 15 hea eeded to su ated based ase year. 48	adcount acro pport busine upon 2013 0.4	oss the IT ess growth spend by 1-Sided	Dlvision n and individual Adj		
ave Inc in 2 clie IT 2015 .9 I	erage salary plus \$ cremental Employee 2015 and 2016. Th ent IT support need department and ave 43 FTE at \$100k for ar analyst only	10k per emp e requireme ese 15 add s. The 15 h erage O&C 3 n admin pos	oloyee in nts were e ed employ leadcount labor ratic 5	associated estimated t vees are no were pror- for the ba 0	d NL costs. to be 15 hea eeded to su ated based ase year. 48	adcount acro pport busine upon 2013 0.4	oss the IT ess growth spend by 1-Sided	DIvision n and individual Adj costs for		
ave in 2 clie IT 2015 .9 I IT 2015 Ap mu	erage salary plus \$ cremental Employee 2015 and 2016. Th ent IT support need department and ave 43 FTE at \$100k for ar analyst only	10k per emp e requireme ese 15 add s. The 15 h erage O&C 3 n admin pos 0 3 rmance me	oloyee in nts were e ed employ neadcount labor ratic 5 ition and a 557 asuremen	associated estimated t vees are no were pror- for the ba 0 an IT analy 0 t system.	d NL costs. to be 15 hea eeded to su ated based ase year. 48 yst. Also \$1 357 This is the a	adcount acro pport busine upon 2013 0.4 0k in assoc 0.0 annual payn	oss the IT ess growth spend by 1-Sided iated NL 1-Sided nent of a	DIvision and individual Adj costs for Adj		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3900.000 - IT PORTFOLIO MANAGEMENT

Year/Expl. Labor NLbr NSE Total FTE Adj Type

Develop multi-year strategies for major application families and review existing strategies against emerging technologies and market trends, improving the long term reliability and supportability of our application portfolio. Engage third-party specialists to help evaluate and recommend solution options.

Management estimate for various consulting engagements (2-6 months) to analyze application roadmap options for potential capital investments in major applications. These engagements range from \$30 to \$250k each.

2015 Total	68	622	0	690	0.7				
2016	25	10	0	35	0.3	1-Sided Adj			
.6 new employ average salary				•	y in 2014	and 2015. \$100k			
in 2015 and 20	)16. These 19 ort needs. The	5 added emple e 15 headcoui	oyees are ne nt were prora	eeded to supp ated based up	ort busine	ess the IT DIvision ass growth and spend by individual			
2016	86	10	0	96	0.9	1-Sided Adj			
.9 FTE at \$100 IT analyst only		n position and	l an IT analy	vst. Also \$10k	in associ	ated NL costs for			
2016	25	10	0	35	0.3	1-Sided Adj			
	.6 new employees to support new IT initiatives across the company in 2014 and 2015. \$100k average salary plus \$10k per employee in associated NL costs.								
Incremental Employee requirements were estimated to be 15 headcount across the IT DIvision in 2015 and 2016. These 15 added employees are needed to support business growth and client IT support needs. The 15 headcount were prorated based upon 2013 spend by individual IT department and average O&C labor ratio for the base year.									
2016	0	357	0	357	0.0	1-Sided Adj			
	Apptio business performance measurement system. This is the annual payment of a multi-year software contract, paid in January of 2014 and will continue into 2015, 2016, and beyond.								
2016	0	250	0	250	0.0	1-Sided Adj			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3900.000 - IT PORTFOLIO MANAGEMENT

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u> <u>Adj Type</u>
------------	--------------	-------------	------------	--------------	----------------------------

Develop multi-year strategies for major application families and review existing strategies against emerging technologies and market trends, improving the long term reliability and supportability of our application portfolio. Engage third-party specialists to help evaluate and recommend solution options.

Management estimate for various consulting engagements (2-6 months) to analyze application roadmap options for potential capital investments in major applications. These engagements range from \$30 to \$250k each.

	2016 Total	136	637	0	773	1.5	
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Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3900.000 - IT PORTFOLIO MANAGEMENT

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	0	0	0	0	76
Non-Labor	0	0	0	0	6
NSE	0	0	0	0	0
Total	0	0	0	0	83
FTE	0.0	0.0	0.0	0.0	0.5
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 (Nominal \$	\$)				
Labor	0	0	0	0	76
Non-Labor	0	0	0	0	6
NSE	0	0	0	0	0
Total	0	0	0	0	83
FTE	0.0	0.0	0.0	0.0	0.5
Vacation & Sick (Nominal \$)					
Labor	0	0	0	0	12
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	0	12
FTE	0.0	0.0	0.0	0.0	0.1
Escalation to 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
Recorded-Adjusted (Constant	2013\$)				
Labor	0	0	0	0	89
Non-Labor	0	0	0	0	6
NSE	0	0	0	0	0
Total	0	0	0	0	95
FTE	0.0	0.0	0.0	0.0	0.6

\* 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-3900.000 - IT PORTFOLIO MANAGEMENT

## 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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-4003.000 - IT Communications

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub	1. Infrastructure
Cost Center:	2100-4003.000 - IT Communications

#### **Activity Description:**

A business relationship management function between IT and IT's clients (Sempra's regulated utilities, Corporate Center). This group represents IT's services to these internal clients in an account management function to assist clients in achieving greater business optimization through the improved and effective use of IT's services. Specific functions include facilitating the resolution of problems where standard processes are not adequate, understanding the business operations and recommending further use of IT or outside technology services to improve the business and/or to save money. Educating clients on the value of IT policies and standards and bringing client needs to IT that would otherwise go unrecognized.

#### **Forecast Explanations:**

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

## Summary of Results:

	In 2013\$ (000) Incurred Costs									
		Adju	sted-Recor	ded		Ad	Adjusted-Forecast			
Years	2009	2010	2011	2012	2013	2014	2015	2016		
Labor	0	31	126	141	90	90	90	90		
Non-Labor	0	2	7	4	1	1	1	1		
NSE	0	0	0	0	0	0	0	0		
Total	0	33	133	145	92	92	92	92		
FTE	0.0	0.2	1.2	1.6	1.2	1.2	1.2	1.2		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-4003.000 - IT Communications

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

	2013 Adjusted-Recorded						2014 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	90	1	0	91	1.23	90	1	0	91	1.23
Total Incurred	90	1	0	91	1.23	90	1	0	91	1.23
% Allocation										
Retained	38.29%	38.29%				38.08%	38.08%			
SEU	59.00%	59.00%				58.32%	58.32%			
CORP	2.71%	2.71%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			
•										

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	90	1	0	91	1.23	90	1	0	91	1.23
Total Incurred	90	1	0	91	1.23	90	1	0	91	1.23
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-4003.000 - IT Communications

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

#### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center. The allocations are supported by the rationale that Education, Training and Communication activities of this cost center that are provided to IT employees is a benefit to all employees at Sempra Utilities and Parent, since IT employees provide support to all empoyees at Sempra Utilities and Parent.

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

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center. The allocations are supported by the rationale that Education, Training and Communication activities of this cost center that are provided to IT employees is a benefit to all employees at Sempra Utilities and Parent, since IT employees provide support to all empoyees at Sempra Utilities and Parent.

#### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center. The allocations are supported by the rationale that Education, Training and Communication activities of this cost center that are provided to IT employees is a benefit to all employees at Sempra Utilities and Parent, since IT employees provide support to all empoyees at Sempra Utilities and Parent.

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

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center. The allocations are supported by the rationale that Education, Training and Communication activities of this cost center that are provided to IT employees is a benefit to all employees at Sempra Utilities and Parent, since IT employees provide support to all empoyees at Sempra Utilities.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-4003.000 - IT Communications

#### Forecast Summary:

In 2013 \$(000) Incurred Costs										
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjus	ted-Forec	ast
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	90	90	90	0	0	0	90	90	90
Non-Labor	Base YR Rec	1	1	1	0	0	0	1	1	1
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	ıl	92	92	92	0	0	0	92	92	92
FTE	Base YR Rec	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2

#### 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-4003.000 - IT Communications

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	104	185	200	78
Non-Labor	0	5	10	7	1
NSE	0	0	0	0	0
Total	0	109	195	207	79
FTE	0.0	1.2	2.0	2.4	1.0
djustments (Nominal \$) **					
Labor	0	-79	-79	-79	0
Non-Labor	0	-3	-3	-3	0
NSE	0	0	0	0	0
Total	0	-82	-82	-82	0
FTE	0.0	-1.0	-1.0	-1.0	0.0
ecorded-Adjusted (Nomin	al \$)				
Labor	0	25	106	121	78
Non-Labor	0	2	7	4	1
NSE	0	0	0	0	0
Total	0	27	113	125	79
FTE	0.0	0.2	1.0	1.4	1.0
acation & Sick (Nominal \$	5)				
Labor	0	4	16	17	12
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	4	16	17	12
FTE	0.0	0.0	0.2	0.2	0.2
scalation to 2013\$					
Labor	0	2	5	2	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	2	5	2	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	31	126	141	90
Non-Labor	0	2	7	4	1
NSE	0	0	0	0	0
Total	0	33	133	145	92
FTE	0.0	0.2	1.2	1.6	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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 493 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	B. Infrastructure
Category-Sub:	1. Infrastructure
Cost Center:	2100-4003.000 - IT Communications

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs								
Years	2009	2010	2010 2011		2013			
Labor	0	-79	-79	-79	0			
Non-Labor	0	-3	-3	-3	0			
NSE	0	0	0	0	0			
Total	0	-82	-82	-82	0			
FTE	0.0	-1.0	-1.0	-1.0	0.0			

## Detail of Adjustments to Recorded:

Year/Expl.	Labor	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	RefID			
2009 Total	0	0	0	0.0						
2010	-79	-3	0	-1.0 CC	TR Transf	To 2200-2047.000	FFIGUERO20131			
Zero out 2010 thru 2013: GRID 2009 Data is Zero Per Finance/delete entries from 2100-4003 for 2010 thru 2013 Entries will now appear in cctr 2100-3082 from 2009 to 2013										
2010 Total	-79	-3	0	-1.0						
2011 Zero out 201	-79 0 thru 2013: C	-3 GRID 2009 [	0 Data is Z		TR Transf	To 2200-2047.000	FFIGUERO20131 031151258257			
	delete entries ow appear in									
2011 Total	-79	-3	0	-1.0						
2012	-79	-3	0	-1.0 CC	TR Transf	To 2200-2047.000	FFIGUERO20131			
Per Finance/	Zero out 2010 thru 2013: GRID 2009 Data is Zero Per Finance/delete entries from 2100-4003 for 2010 thru 2013 Entries will now appear in cctr 2100-3082 from 2009 to 2013									
2012 Total	-79	-3	0	-1.0						

Area:	INFC	RMATION T	ECHNOLO	DGY				
Witness:	Step	hen J. Mikovi	ts					
Category:	B. In	frastructure						
Category-Sub:	1. Inf	rastructure						
Cost Center:	2100	-4003.000 - I	T Commur	nications				
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	NSE	<u>FTE</u>	Adj Type	From CCtr	<u>RefID</u>	
<u> </u>				<u> </u>	<u></u>	<u></u>		
2013 Total	0	0	0	0.0				

# Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:C. Information SecurityCost Center:VARIOUS

#### Summary for Category: C. Information Security

Г		In 2013\$ (000) Incu	urred Costs	
F	Adjusted-Recorded	<u>III 20139 (000) IIICI</u>	Adjusted-Forecast	
	2013	2014	2015	2016
Labor	2,514	2,514	2,637	2,760
Non-Labor	1,073	1,436	2,676	2,851
NSE	0	0	0	0
Total	3,587	3,950	5,313	5,611
FTE	23.0	23.0	24.2	25.5
Cost Centers belonging	to this Category:			
2100-3101.000 INFORM	IATION SECURITY			
Labor	212	212	212	212
Non-Labor	11	11	61	61
NSE	0	0	0	0
Total		223	273	273
FTE	2.0	2.0	2.0	2.0
2100-3763.000 DIRECT	OR - INFORMATION SECURI			
Labor	175	175	175	175
Non-Labor	65	65	245	285
NSE	0	0	0	0
Total	240	240	420	460
FTE	1.9	1.9	1.9	1.9
2100-3774.000 SECURI				
Labor	765	765	765	765
Non-Labor	110	110	230	230
NSE	0	0	0	0
Total	875	875	995	995
FTE	7.0	7.0	7.0	7.0
2100-3775.000 SECURI	TY OPERATIONS			
Labor	1,115	1,115	1,115	1,115
Non-Labor	313	313	763	838
NSE	0	0	0	0
Total	1,428	1,428	1,878	1,953
FTE	11.0	11.0	11.0	11.0
2100-3781.000 IS Conti				
Labor	0	0	0	0
Non-Labor	507	870	1,290	1,330
NSE	0	0	0	0
Total	507	870	1,290	1,330
FTE	0.0	0.0	0.0	0.0

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Cost Center:	VARIOUS

		In 2013\$ (000) Incu	rred Costs	
	Adjusted-Recorded		Adjusted-Forecast	-
	2013	2014	2015	2016
2100-3814.000 DIREC	TOR IT INFRASTRUCTURE			
Labor	229	229	352	475
Non-Labor	67	67	87	107
NSE	0	0	0	0
Total	296	296	439	582
FTE	1.0	1.0	2.2	3.5
2100-3817.000 INFO 8	SECURITY PROG			
Labor	18	18	18	18
Non-Labor	0	0	0	0
NSE	0	0	0	0
Total		18	18	18
FTE	0.1	0.1	0.1	0.1

Beginning of Workpaper 2100-3101.000 - INFORMATION SECURITY

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub	1. Information Security
Cost Center:	2100-3101.000 - INFORMATION SECURITY

#### **Activity Description:**

This cost center provides Data & Privacy Governance support, including IT security awareness and training, and Privacy, Legislative, and Data Governance enterprise wide

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## NA

Summary of Results:

	In 2013\$ (000) Incurred Costs										
		Adju	isted-Recor	ded		Ad	Adjusted-Forecast				
Years	2009	2010	2011	2012	2013	2014	2015	2016			
Labor	1,565	872	574	692	212	212	212	212			
Non-Labor	568	83	170	-25	11	11	61	61			
NSE	0	0	0	0	0	0	0	0			
Total	2,133	955	744	667	223	223	273	273			
FTE	13.9	7.8	5.1	4.3	2.0	2.0	2.0	2.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3101.000 - INFORMATION SECURITY

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

	2013 Adjusted-Recorded				2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	212	11	0	223	1.95	212	11	0	223	1.95
Total Incurred	212	11	0	223	1.95	212	11	0	223	1.95
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adjusted-Forecast				2016 Adjı	sted-Fore	cast		

	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	212	61	0	273	1.95	212	61	0	273	1.95
Total Incurred	212	61	0	273	1.95	212	61	0	273	1.95
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3101.000 - INFORMATION SECURITY

## Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3101.000 - INFORMATION SECURITY

## Forecast Summary:

			In 201	3 \$(000) Ir	ncurred Cos	sts				
Forecas	Ba	Base Forecast Forecast Adjustments				Adjus	Adjusted-Forecast			
Year	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	212	212	212	0	0	0	212	212	212
Non-Labor	Base YR Rec	11	11	11	0	50	50	11	61	61
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	al	223	223	223	0	50	50	223	273	273
FTE	Base YR Rec	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0
orecast Adj	ustment Details:	!		I						
<u>Year/Ex</u>	<u>(pl. Lal</u>	bor	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Ty</u>	pe		
2014 T	otal	0	0	0	0	0.0				
2015 0 50 0 50 0.0 1-Sided Adj Information Security - Support for increased security awareness events, communication, and company training. Assumes estimated annual cost for communication materials to be used to support security awareness and education.										
2015 T	otal	0	50	0	50	0.0				
2016 0 50 0 50 0.0 1-Sided Adj Information Security - Support for increased security awareness events, communication, and company training. Assumes estimated annual cost for communication materials to be used to support security awareness and education.										
2016 T		0	50	0	50	0.0				
20101	otui	U	00	U	50	0.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3101.000 - INFORMATION SECURITY

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

etermination of Aujuotet	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	1,396	860	639	593	183
Non-Labor	528	87	172	-16	11
NSE	0	0	0	0	0
Total	1,924	947	812	577	194
FTE	13.9	8.7	6.4	5.7	1.7
djustments (Nominal \$) *	*				
Labor	-158	-158	-158	2	0
Non-Labor	-9	-9	-9	-9	0
NSE	0	0	0	<u> </u>	0
Total	-167	-167	-167	-7	0
FTE	-2.0	-2.0	-2.0	-2.0	0.0
Recorded-Adjusted (Nomir	nal \$)				
Labor	1,238	702	482	595	183
Non-Labor	519	78	163	-25	11
NSE	0	0	0	0	0
Total	1,757	780	645	570	194
FTE	11.9	6.7	4.4	3.7	1.7
acation & Sick (Nominal S	\$)				
Labor	191	112	71	86	29
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	191	112	71	86	29
FTE	2.0	1.2	0.7	0.6	0.3
scalation to 2013\$					
Labor	136	58	22	12	0
Non-Labor	49	6	6	0	0
NSE	0	0	0	0	0
Total	185	63	28	11	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	1,565	872	574	692	212
Non-Labor	568	83	170	-25	11
NSE	0	0	0	0	0
Total	2,133	955	744	667	223
FTE	13.9	7.9	5.1	4.3	2.0

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

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

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3101.000 - INFORMATION SECURITY

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs					
Years	2009	2010	2011	2012	2013
Labor	-158	-158	-158	2	0
Non-Labor	-9	-9	-9	-9	0
NSE	0	0	0	0	0
Total	-167	-167	-167	-7	0
FTE	-2.0	-2.0	-2.0	-2.0	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	<u>RefID</u>	
2009	-78	-3	0	-1.0 CC	TR Transf	To 2200-2469.000	FFIGUERO20131 031133323167	
IT Employee	Transfer fron	n SDGE to S	CG as o	f 2013			001100020101	
2009	-80	-6	0	-1.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131	
IT Employee	Transfer fron	n SDGE to S	CG as o	f 2013			031133752180	
2009 Total	-158	-9	0	-2.0				
2010	-78	-3	0	-1.0 CC	TR Transf	To 2200-2469.000	FFIGUERO20131	
IT Employee	Transfer fron	n SDGE to S	CG as o	f 2013			031133430403	
2010	-80	-6	0	-1.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131	
IT Employee	Transfer fron	n SDGE to S	CG as o	f 2013			031133837087	
2010 Total	-158	-9	0	-2.0				
2011	-78	-3	0	-1.0 CC	TR Transf	To 2200-2469.000	FFIGUERO20131	
IT Employee	Transfer fron	n SDGE to S	CG as o	f 2013			031133514970	
2011	-80	-6	0	-1.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131	
IT Employee	Transfer fron	n SDGE to S	CG as o	f 2013			031133927840	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3101.000 - INFORMATION SECURITY

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>
2011 Total	-158	-9	0	-2.0			
2012	-78	-3	0	-1.0 C	CTR Transf	To 2200-2469.000	FFIGUERO20131 031133548650
IT Employe	ee Transfer fr	om SDGE to	SCG as o	of 2013			031133340030
2012	80	-6	0	-1.0 C	CTR Transf	To 2200-2470.000	FFIGUERO20131
IT Employe	ee Transfer fr	om SDGE to	SCG as o	of 2013			031134002053
2012 Total	2	-9	0	-2.0			

|--|

Beginning of Workpaper 2100-3763.000 - DIRECTOR - INFORMATION SECURITY

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub	1. Information Security
Cost Center:	2100-3763.000 - DIRECTOR - INFORMATION SECURITY

### **Activity Description:**

This cost center includes the management of IT Information Security and its administrative support. Activities include department level management for Information Security, including Security Engineering, Security Operations, IT regulatory compliance, and IT security maintenance contracts, enterprise-wide

#### **Forecast Explanations:**

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

## Summary of Results:

[				ln 2013\$ (00	0) Incurred (	Costs		
		Adju	isted-Recor	Adjusted-Forecast				
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	0	275	227	133	175	175	175	175
Non-Labor	2	22	22	143	65	65	245	285
NSE	0	0	0	0	0	0	0	0
Total	2	297	250	276	240	240	420	460
FTE	0.0	2.3	1.9	0.9	1.9	1.9	1.9	1.9

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3763.000 - DIRECTOR - INFORMATION SECURITY

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

	2013 Adjusted-Recorded					2014 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	2	0	2	0.00	0	2	0	2	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	175	63	0	238	1.86	175	63	0	238	1.86
Total Incurred	175	65	0	240	1.86	175	65	0	240	1.86
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adju	sted-Fore	cast			2016 Adju	usted-Fore	cast	

	2015 Adjusted-Forecast					2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	2	0	2	0.00	0	2	0	2	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	175	243	0	418	1.86	175	283	0	458	1.86
Total Incurred	175	245	0	420	1.86	175	285	0	460	1.86
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3763.000 - DIRECTOR - INFORMATION SECURITY

## Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3763.000 - DIRECTOR - INFORMATION SECURITY

## Forecast Summary:

-										
	t Method		se Foreca		Forec	ast Adjust	nents		ted-Foreca	
Year	-	2014	2015	2016	2014	2015	2016	2014	2015	2016
abor	Base YR Rec	175	175	175	0	0	0	175	175	175
on-Labor	Base YR Rec	65	65	65	0	180	220	65	245	285
SE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	al	240	240	240	0	180	220	240	420	460
TE	Base YR Rec	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9
recast Adjı	ustment Details:	1		I						
<u>Year/Ex</u>	pl. Labo	<u>r 1</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Ty</u>	pe		
2014 T	otal	D	0	0	0	0.0				
2015		0	80	0	80	0.0	1-Sided	Adj		
Ma for in 2 avg 2015 Info	nagement estimate Information Securi 2015 and 16 people g \$5K per course c	e to cover co ty personne e in 2016. P combined wi combined no new non-ca	ost of train I, based c er person ith an avg 100 apital secu	ing courses on security costs are b of \$1K trav 0 rity technol	s and attend training for based on SA vel & expens 100 logy innova	dance at in 13 people ANS Institu se. 0.0 tion and pr	dustry con @ \$6K pe te training 1-Sided	ferences r person costs @ Adj		
Ma for in 2 avg 2015 Info	nagement estimate Information Securi 2015 and 16 people 3 \$5K per course c 55K per course c 55K per course c 55K per course c	e to cover co ty personne e in 2016. P ombined wi o 1 new non-ca estimated	ost of train I, based c er person ith an avg 100 apital secu	ing courses on security costs are b of \$1K trav 0 rity technol	s and attend training for based on SA vel & expens 100 logy innova	dance at in 13 people ANS Institu se. 0.0 tion and pr	dustry con @ \$6K pe te training 1-Sided	ferences r person costs @ Adj		
Ma for in 2 avg 2015 Info cor <b>2015 T</b> 2016 Ma for in 2	nagement estimate Information Securi 2015 and 16 people 3 \$5K per course c 55K per course c 55K per course c 55K per course c 55K per course c	e to cover co ty personne e in 2016. P ombined wi o 1 new non-ca estimated o 1 e to cover co ty personne e in 2016. P	ost of train el, based c er person ith an avg 100 apital secu annual co 180 100 ost of train el, based c er person	ing courses on security costs are b of \$1K trav 0 rity technol st for 3rd p 0 0 ing courses on security costs are b	s and attent training for pased on S/ rel & expension 100 logy innova party vendor <b>180</b> 100 s and attent training for pased on S/	dance at in 13 people NS Institu se. 0.0 tion and pr services. 0.0 0.0 dance at in 13 people NS Institu	dustry con @ \$6K pe te training 1-Sided oduct eval 1-Sided dustry con @ \$6K pe	ferences r person costs @ Adj uations - Adj ferences r person		

Information Security - new non-capital security technology innovation and product evaluations - consulting. Assumes estimated annual cost for 3rd party vendor services.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3763.000 - DIRECTOR - INFORMATION SECURITY

<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u> <u>Adj Type</u>	
2016 Total	0	220	0	220	0.0	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3763.000 - DIRECTOR - INFORMATION SECURITY

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	0	222	191	114	151
Non-Labor	2	20	21	141	65
NSE	0	0	0	0	0
Total	2	242	212	255	216
FTE	0.0	2.0	1.7	0.8	1.6
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	0	222	191	114	151
Non-Labor	2	20	21	141	65
NSE	0	0	0	0	0
Total	<u> </u>	242	212	255	216
FTE	0.0	2.0	1.7	0.8	1.6
acation & Sick (Nominal \$	)				
Labor	0	35	28	17	24
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	35	28	17	24
FTE	0.0	0.3	0.3	0.1	0.3
scalation to 2013\$					
Labor	0	18	9	2	0
Non-Labor	0	1	1	2	0
NSE	0	0	0	0	0
Total	0	20	9	5	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Consta	ant 2013\$)				
Labor	0	275	227	133	175
Non-Labor	2	22	22	143	65
NSE	0	0	0	0	0
Total	2	297	250	276	240
FTE	0.0	2.3	2.0	0.9	1.9

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

\*\* Refer to "Detail of Adjustments to Recorded" page for line item adjustments *Note: Totals may include rounding differences.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3763.000 - DIRECTOR - INFORMATION SECURITY

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs											
Years	<b>2009 2010 2011 2012 20</b> <sup>7</sup>										
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				

Beginning of Workpaper 2100-3774.000 - SECURITY ENGINEERING

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub	1. Information Security
Cost Center:	2100-3774.000 - SECURITY ENGINEERING

#### **Activity Description:**

The Security Services section provides enterprise-scale security functions and integration services for business, operational, and IT technology assets.

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## NA

## Summary of Results:

[	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	Ad	Adjusted-Forecast							
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	12	565	585	697	765	765	765	765				
Non-Labor	0	107	210	172	110	110	230	230				
NSE	0	0	0	0	0	0	0	0				
Total	12	672	794	868	875	875	995	995				
FTE	0.1	5.1	5.4	6.4	7.0	7.0	7.0	7.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3774.000 - SECURITY ENGINEERING

## Cost Center Allocations (Incurred Costs):

		2013 Adju		2014 Adju	usted-Fore	ecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	62	79	0	141	0.58	62	79	0	141	0.58
Directly Allocated	4	2	0	6	0.04	4	2	0	6	0.04
Subj. To % Alloc.	698	29	0	727	6.42	698	29	0	727	6.42
Total Incurred	764	110	0	874	7.04	764	110	0	874	7.04
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast					2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	62	79	0	141	0.58	62	79	0	141	0.58
Directly Allocated	4	2	0	6	0.04	4	2	0	6	0.04
Subj. To % Alloc.	698	149	0	847	6.42	698	149	0	847	6.42
Total Incurred	764	230	0	994	7.04	764	230	0	994	7.04
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3774.000 - SECURITY ENGINEERING

### Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3774.000 - SECURITY ENGINEERING

### Forecast Summary:

			In 201	3 \$(000) Ir	curred Cos	sts				
Forecas	t Method	Ba	se Foreca	st	Forec	ast Adjustr	nents	Adjus	ted-Forec	ast
Years	S	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	765	765	765	0	0	0	765	765	765
Non-Labor	Base YR Rec	110	110	110	0	120	120	110	230	230
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	ıl	875	875	875	0	120	120	875	995	995
FTE	Base YR Rec	7.0	7.0	7.0	0.0	0.0	0.0	7.0	7.0	7.0
orecast Adju	stment Details:	!								
<u>Year/Ex</u>	<u>pl. Labo</u>	<u>r 1</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Ty</u>	pe		
2014 T	otal	0	0	0	0	0.0				
2015		0 1	120	0	120	0.0	1-Sided	l Adj		
Info	ormation Security -	New servic	e offering	hased on (	cloud collab	oaration an	d data sha	aring		
	vices. Assumes e		•					anng		
2015 T	otal	0 1	120	0	120	0.0				
0040					100					
2016		0 1	120	0	120	0.0	1-Sided	Adj		
	ormation Security - vices. Assumes e		•				d data sha	aring		
2016 T			120	0	120	0.0				
20101	otui	•		•	120	0.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3774.000 - SECURITY ENGINEERING

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	10	455	491	598	660
Non-Labor	0	100	202	169	110
NSE	0	0	0	0	0
Total	10	555	692	767	770
FTE	0.1	4.3	4.7	5.5	6.0
djustments (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	10	455	491	598	660
Non-Labor	0	100	202	169	110
NSE	0	0	0	0	0
Total	10	555	692	767	770
FTE	0.1	4.3	4.7	5.5	6.0
acation & Sick (Nominal \$	)				
Labor	1	72	72	87	105
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	1	72	72	87	105
FTE	0.0	0.7	0.8	0.9	1.0
scalation to 2013\$					
Labor	1	37	22	12	0
Non-Labor	0	7	8	3	0
NSE	0	0	0	0	0
Total	1	44	30	15	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	12	565	585	697	765
Non-Labor	0	107	210	172	110
NSE	0	0	0	0	0
Total	12	672	794	868	875
FTE	0.1	5.0	5.5	6.4	7.0

\* 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3774.000 - SECURITY 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	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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3775.000 - SECURITY OPERATIONS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub	1. Information Security
Cost Center:	2100-3775.000 - SECURITY OPERATIONS

#### **Activity Description:**

This cost center provides enterpise system-wide security operations support, including incident response & forensics, digital investigations, threat and vulnerability management, and security engineering

### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## NA

## Summary of Results:

[	In 2013\$ (000) Incurred Costs											
		Adju	isted-Recor	Ad	justed-Fore	cast						
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	-232	553	924	1,363	1,115	1,115	1,115	1,115				
Non-Labor	-10	224	375	509	313	313	763	838				
NSE	0	0	0	0	0	0	0	0				
Total	-242	777	1,299	1,872	1,429	1,429	1,879	1,954				
FTE	-2.3	5.1	9.3	13.6	11.0	11.0	11.0	11.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3775.000 - SECURITY OPERATIONS

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

		2013 Adju	sted-Reco	orded			2014 Adjı	usted-Fore	ecast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	50	6	0	56	0.49	50	6	0	56	0.49
Directly Allocated	1	1	0	2	0.00	1	1	0	2	0.01
Subj. To % Alloc.	1,065	306	0	1,371	10.53	1,065	306	0	1,371	10.53
Total Incurred	1,116	313	0	1,429	11.02	1,116	313	0	1,429	11.03
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adju	sted-Fore	cast			2016 Adjı	usted-Fore	ecast	

		2010 Auju		oust			2010 Adju		oust	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	50	6	0	56	0.49	50	6	0	56	0.49
Directly Allocated	1	1	0	2	0.01	1	1	0	2	0.01
Subj. To % Alloc.	1,065	756	0	1,821	10.53	1,065	831	0	1,896	10.53
Total Incurred	1,116	763	0	1,879	11.03	1,116	838	0	1,954	11.03
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3775.000 - SECURITY OPERATIONS

## Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3775.000 - SECURITY OPERATIONS

## Forecast Summary:

<b>F</b> .	4 84 - 412	-		3 \$(000) In	-		4		4 E	4
	ast Method Base Forecast			st	Forec	ast Adjustr	nents	Adjus	ted-Foreca	ast
Years	S	2014	2015	2016	2014	2015	2016	2014	2015	2016
abor	Base YR Rec	1,115	1,115	1,115	0	0	0	1,115	1,115	1,115
Ion-Labor	Base YR Rec	313	313	313	0	450	525	313	763	838
ISE	Base YR Rec	0	0	0	0	0	0	0	0	(
Tota	al	1,429	1,429	1,429	0	450	525	1,429	1,879	1,954
TE	Base YR Rec	11.0	11.0	11.0	0.0	0.0	0.0	11.0	11.0	11.0
-	ustment Details:									
<u>Year/Ex</u>	<u>ipl. Labo</u>	<u>pr l</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Ty</u>	pe		
2014 T	otal	0	0	0	0	0.0				
	ormation Security -	Annual vulr	-		-			-		
Info SD ven and 2015 Info esti	ormation Security - IG&E/SCG Crit Infr ndor services, base d 40 man weeks in ormation Security - imated annual cos	Annual vulr astructure - ed on approx 2016. 0 1 External for st for 3rd par	nerability a consulting ximately 3 100 rensics an rty vendor	nd penetra j. Assume 5 man wee 0 d investiga services, t	ation testing s estimated ks per year 100 tion suppor pased on ap	assessme d annual co @ \$10K po 0.0 t - consultir	nts on ost for 3rd er week in 1-Sided ig. Assum	party 2015, I Adj		
Info SD ven and 2015 Info esti yea	ormation Security - G&E/SCG Crit Infr ndor services, base d 40 man weeks in ormation Security - imated annual cos ar @ \$20K per wee	Annual vulr astructure - ed on approx 2016. 0 1 External for st for 3rd par ek in 2015, a	nerability a consulting ximately 3 100 rensics an rty vendor and 6 man	nd penetra j. Assume 5 man wee 0 d investiga services, t weeks in 2	ation testing s estimated ks per year 100 tion suppor pased on ap 2016.	assessme d annual co @ \$10K po 0.0 t - consultir proximatel	nts on ost for 3rd er week in 1-Sided ig. Assum	party 2015, I Adj		
Infc SD ven and 2015 Infc esti	ormation Security - G&E/SCG Crit Infr ndor services, base d 40 man weeks in ormation Security - imated annual cos ar @ \$20K per wee	Annual vulr astructure - ed on approx 2016. 0 1 External for st for 3rd par ek in 2015, a	nerability a consulting ximately 3 100 rensics an rty vendor	nd penetra j. Assume 5 man wee 0 d investiga services, t	ation testing s estimated ks per year 100 tion suppor pased on ap	assessme d annual co @ \$10K po 0.0 t - consultir	nts on ost for 3rd er week in 1-Sided ig. Assum	party 2015, I Adj		
Info SD ven and 2015 Info esti yea	ormation Security - G&E/SCG Crit Infi ndor services, base d 40 man weeks in ormation Security - imated annual cos ar @ \$20K per wee	Annual vulr astructure - ed on approx 2016. 0 1 External for st for 3rd par ek in 2015, a 0 2	nerability a consulting ximately 3 100 rensics an rty vendor and 6 man	nd penetra j. Assume 5 man wee 0 d investiga services, t weeks in 2	ation testing s estimated ks per year 100 tion suppor pased on ap 2016.	assessme d annual co @ \$10K po 0.0 t - consultir proximatel	nts on ost for 3rd er week in 1-Sided ig. Assum	party 2015, Adj nes reeks per		
Info SD ven and 2015 Info esti yea 2015 Tr 2016 Info SD ven	ormation Security - G&E/SCG Crit Infi ndor services, base d 40 man weeks in ormation Security - imated annual cos ar @ \$20K per wee	Annual vulr rastructure - ed on approx 2016. 0 1 External for st for 3rd pare ek in 2015, a 0 4 Annual vulr rastructure - ed on approx	nerability a consulting ximately 3 100 rensics an rty vendor and 6 man <b>150</b> 100 herability a consulting	nd penetra J. Assume 5 man wee 0 d investiga services, t weeks in 2 0 0 0 und penetra J. Assume	ation testing s estimated ks per year 100 tion suppor based on ap 2016. <b>450</b> 400 ation testing s estimated	assessme d annual co @ \$10K p 0.0 t - consultir proximatel 0.0 0.0 assessme d annual co	nts on ost for 3rd r week in 1-Sided ng. Assur y 5 man w 1-Sided nts on ost for 3rd	party 2015, Adj nes eeks per		

estimated annual cost for 3rd party vendor services, based on approximately 5 man weeks per year @ \$20K per week in 2015, and 6 man weeks in 2016.

Year/Expl.	Labor	NLbr	NSE	Total	FTE	Adj Type	
Cost Center:	2100-3775.000	- SECURIT	Y OPERAT	IONS			
Category-Sub:	1. Information S	ecurity					
Category:	C. Information S	Security					
Witness:	Stephen J. Miko	vits					
Area:	INFORMATION	TECHNOL	OGY				

2016 Total	0	525	0	525	0.0

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3775.000 - SECURITY OPERATIONS

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

·····,····	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	6	636	965	1,360	963
Non-Labor	0	218	370	509	313
NSE	0	0	0	0	0
Total	6	854	1,335	1,870	1,276
FTE	0.1	6.4	10.0	13.7	9.4
djustments (Nominal \$) **	*				
Labor	-190	-190	-190	-190	0
Non-Labor	-9	-9	-9	-9	0
NSE	0	0	0	0	0
Total	-199	-199	-199	-199	0
FTE	-2.0	-2.0	-2.0	-2.0	0.0
Recorded-Adjusted (Nomir	nal \$)				
Labor	-184	446	775	1,170	963
Non-Labor	-9	209	361	500	313
NSE	0	0	0	0	0
Total	-193	655	1,136	1,670	1,276
FTE	-1.9	4.4	8.0	11.7	9.4
acation & Sick (Nominal \$	\$)				
Labor	-28	71	114	170	153
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	-28	71	114	170	153
FTE	-0.3	0.8	1.3	1.9	1.6
scalation to 2013\$					
Labor	-20	37	35	23	0
Non-Labor	-1	15	14	9	0
NSE	0	0	0	0	0
Total	-21	51	49	32	0
FTE	0.0	0.0	0.0	0.0	0.0
Recorded-Adjusted (Const	ant 2013\$)				
Labor	-232	553	924	1,363	1,115
Non-Labor	-10	224	375	509	313
NSE	0	0	0	0	0
Total	-242	777	1,299	1,872	1,429
FTE	-2.2	5.2	9.3	13.6	11.0

\* 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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 527 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3775.000 - SECURITY OPERATIONS

## Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs								
Years	2009	2010	2011	2012	2013			
Labor	-190	-190	-190	-190	0			
Non-Labor	-9	-9	-9	-9	0			
NSE	0	0	0	0	0			
Total	-199	-199	-199	-199	0			
FTE	-2.0	-2.0	-2.0	-2.0	0.0			

## Detail of Adjustments to Recorded:

Year/Expl.	Labor	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>
2009	-190	-9	0	-2.0 CC	TR Transf	To 2200-2469.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			031145930553
2009 Total	-190	-9	0	-2.0			
2010	-190	-9	0	-2.0 CC	TR Transf	To 2200-2469.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	f 2013			031150011357
2010 Total	-190	-9	0	-2.0			
2011	-190	-9	0	-2.0 CC	TR Transf	To 2200-2469.000	FFIGUERO20131
IT Employee	Transfer from	m SDGE to S	CG as o	f 2013			031150047723
2011 Total	-190	-9	0	-2.0			
2012	-190	-9	0	-2.0 CC	TR Transf	To 2200-2469.000	FFIGUERO20131
IT Employee	Transfer from	n SDGE to S	CG as o	f 2013			031150119673
2012 Total	-190	-9	0	-2.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3775.000 - SECURITY OPERATIONS

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

Beginning of Workpaper 2100-3781.000 - IS Contracts

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub	1. Information Security
Cost Center:	2100-3781.000 - IS Contracts

### **Activity Description:**

This cost center contains all IT Security Contracts, including system-wide hardware and software maintenance agreements.

#### Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## NA

Summary of Results:

	In 2013\$ (000) Incurred Costs								
		Adju	isted-Recor	ded		Adjusted-Forecast			
Years	2009	2010	2011	2012	2013	2014	2015	2016	
Labor	0	0	0	0	0	0	0	0	
Non-Labor	0	637	1,027	830	507	870	1,290	1,330	
NSE	0	0	0	0	0	0	0	0	
Total	0	637	1,027	830	507	870	1,290	1,330	
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3781.000 - IS Contracts

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

		2013 Adju:	sted-Reco	orded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	507	0	507	0.00	0	870	0	870	0.00
Total Incurred	0	507	0	507	0.00	0	870	0	870	0.00
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adju	sted-Fore	cast			2016 Adjı	usted-Fore	cast	

	2015 Adjusted-Forecast					2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	0	1,290	0	1,290	0.00	0	1,330	0	1,330	0.00
Total Incurred	0	1,290	0	1,290	0.00	0	1,330	0	1,330	0.00
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3781.000 - IS Contracts

### Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

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

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3781.000 - IS Contracts

### Forecast Summary:

			In 201	3 \$(000) li	ncurred Cos	sts				
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjusted-Forecast		
Years	s	2014	2014 2015 2016		2014 2015 2016		2014	2015	2016	
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0
Non-Labor	Base YR Rec	507	507	507	363	783	823	870	1,290	1,330
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	l	507	507	507	363	783	823	870	1,290	1,330
FTE	Base YR Rec	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>	<u>FTE</u>	<u>Adj Type</u>
2014	0	363	0	363	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 adds additional 300k in IT security contracts to cover prepaid warranties that are expiring, and 2016 adds another \$40k to cover additional prepaid warranties that are expiring.

2014 Total	0	363	0	363	0.0	
2015	0	663	0	663	0.0	1-Sided Adj

2014 adjustment to current contractual obligations. 2015 adds additional 300k in IT security contracts to cover prepaid warranties that are expiring, and 2016 adds another \$40k to cover additional prepaid warranties that are expiring.

2015	0	120	0	120	0.0	1-Sided Adj
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Information Security - threat intelligence supporting risk mitigation and infrastructure protection. Assumes estimated annual cost for 3rd party vendor services averaging \$10K per week and \$25k for an annual maintenance agreement resulting from the related project implementation.

2015 Total	0	783	0	783	0.0		
2016	0	703	0	703	0.0 1-Sided	Adj	

2014 adjustment to current contractual obligations. 2015 adds additional 300k in IT security contracts to cover prepaid warranties that are expiring, and 2016 adds another \$40k to cover additional prepaid warranties that are expiring.

Area:	INFORMATION	N TECHNOL	OGY		
Witness:	Stephen J. Mike	ovits			
Category:	C. Information	Security			
Category-Sub:	1. Information S	Security			
Cost Center:	2100-3781.000	- IS Contrac	cts		
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u> <u>Adj Type</u>
2016	0	120	0	120	0.0 1-Sided Adj

Information Security - threat intelligence supporting risk mitigation and infrastructure protection. Assumes estimated annual cost for 3rd party vendor services averaging \$10K per week and \$25k for an annual maintenance agreement resulting from the related project implementation.

Total 0 823 0 823 0.0
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Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3781.000 - IS Contracts

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

j	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	0	594	988	816	507
NSE	0	0	0	0	0
Total	0	594	988	816	507
FTE	0.0	0.0	0.0	0.0	0.0
djustments (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
ecorded-Adjusted (Nomina	al \$)				
Labor	0	0	0	0	0
Non-Labor	0	594	988	816	507
NSE	0	0	0	0	0
Total	0	594	988	816	507
FTE	0.0	0.0	0.0	0.0	0.0
acation & Sick (Nominal \$)	1				
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
scalation to 2013\$					
Labor	0	0	0	0	0
Non-Labor	0	42	39	14	0
NSE	0	0	0	0	0
Total	0	42	39	14	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Constant	nt 2013\$)				
Labor	0	0	0	0	0
Non-Labor	0	637	1,027	830	507
NSE	0	0	0	0	0
Total	0	637	1,027	830	507
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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3781.000 - IS Contracts

# 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	<u>RefID</u>	
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				

Beginning of Workpaper 2100-3814.000 - DIRECTOR IT INFRASTRUCTURE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub	1. Information Security
Cost Center:	2100-3814.000 - DIRECTOR IT INFRASTRUCTURE

#### **Activity Description:**

This cost center includes the Director of IT Information Security and Information Management and his administrative support. Activities include department level management for Information Security, Customer Intelligence and Analytics, Data and Privacy Governance, Business Intelligence, Enterprise Architecture, and other support areas.

## Forecast Explanations:

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

#### Summary of Results:

[		In 2013\$ (000) Incurred Costs								
		Adju	isted-Recor	ded		Adjusted-Forecast				
Years	2009	2010	2011	2012	2013	2014	2015	2016		
Labor	0	0	259	222	229	229	352	475		
Non-Labor	0	0	75	130	67	67	87	107		
NSE	0	0	0	0	0	0	0	0		
Total	0	0	335	351	296	296	439	582		
FTE	0.0	0.0	1.7	1.0	1.0	1.0	2.2	3.5		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3814.000 - DIRECTOR IT INFRASTRUCTURE

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

		2013 Adju:	sted-Reco	rded			2014 Adjı	usted-Fore	ecast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	2	0	0	2	0.00	2	0	0	2	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	227	67	0	294	1.04	227	67	0	294	1.04
Total Incurred	229	67	0	296	1.04	229	67	0	296	1.04
% Allocation										
Retained	43.56%	43.56%				43.56%	43.56%			
SEU	52.90%	52.90%				52.90%	52.90%			
CORP	3.54%	3.54%				3.54%	3.54%			
Unreg	0.00%	0.00%				0.00%	0.00%			
CORP	3.54%	3.54%				3.54%	3.54%			

		2015 Adjus	sted-Fore	cast		2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	2	0	0	2	0.00	2	0	0	2	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	350	87	0	437	2.24	473	107	0	580	3.54
Total Incurred	352	87	0	439	2.24	475	107	0	582	3.54
% Allocation										
Retained	43.56%	43.56%				43.56%	43.56%			
SEU	52.90%	52.90%				52.90%	52.90%			
CORP	3.54%	3.54%				3.54%	3.54%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3814.000 - DIRECTOR IT INFRASTRUCTURE

## Cost Center Allocation Percentage Drivers/Methodology:

## Cost Center Allocation Percentage for 2013

Calculations are based on the weighted average of each cost center withn his department. This is the department director's cost center, which supports the entire organization. The use of a weighted average is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

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

Calculations are based on the weighted average of each cost center withn his department. This is the department director's cost center, which supports the entire organization. The use of a weighted average is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

## Cost Center Allocation Percentage for 2015

Calculations are based on the weighted average of each cost center withn his department. This is the department director's cost center, which supports the entire organization. The use of a weighted average is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the weighted average of each cost center withn his department. This is the department director's cost center, which supports the entire organization. The use of a weighted average is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3814.000 - DIRECTOR IT INFRASTRUCTURE

## Forecast Summary:

_			_		_					
	ast Method Base Forecast Forecast Adjustments			nents	Adjus	ted-Foreca	ast			
Years	S	2014	2015	2016	2014	2015	2016	2014	2015	2016
abor	Base YR Rec	229	229	229	0	123	246	229	352	475
on-Labor	Base YR Rec	67	67	67	0	20	40	67	87	107
SE	Base YR Rec	0	0	0	0	0	0	0	0	C
Tota	d	296	296	296	0	143	286	296	439	582
TE	Base YR Rec	1.0	1.0	1.0	0.0	1.2	2.5	1.0	2.2	3.5
recast Adju	stment Details:			I			ļ			
<u>Year/Ex</u>	pl. Labo	<u>r 1</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Typ</u>	<u>)e</u>		
2014 T	otal	0	0	0	0	0.0				
\$10 Inci in 2 clie	5 new employees 00k average salary remental Employee 2015 and 2016. Th ont IT support need department and av	plus \$10k p e requireme lese 15 add s. The 15 h	per employ ents were e ed employ neadcount	vee in asso estimated to vees are ne were prora	be is the second	costs. dcount acr	oss the IT I ess growth	DIvision and		
\$10 Inci in 2 clie	00k average salary remental Employe 2015 and 2016. Th ent IT support need department and av	plus \$10k p e requireme lese 15 add s. The 15 h erage O&C	per employ ents were e ed employ neadcount	vee in asso estimated to vees are ne were prora	be is the second	costs. dcount acr	oss the IT I ess growth	DIvision and		
\$10 Inci in 2 clie IT c <b>2015 T</b> 2016 1.9 \$10 Inci in 2	00k average salary remental Employe 2015 and 2016. Th ent IT support need department and av	plus \$10k p e requireme lese 15 add s. The 15 h erage O&C 3 6 to support n plus \$10k p e requireme lese 15 add	er employ ents were e ed employ headcount labor ratio <b>20</b> 40 hew IT initi ber employ ents were e ed employ	vee in asso estimated to vees are ne were prora for the bas 0 0 atives acro vee in asso estimated to vees are ne	bociated NL bobe 15 hea beded to sup ated based of se year. <b>143</b> 286 oss the com bociated NL bobe 15 hea beded to sup	dcount acr pport busin upon 2013 <b>1.2</b> 2.5 npany in 20 costs. dcount acr	oss the IT I ess growth spend by in 1-Sided 015 and in oss the IT I ess growth	DIvision and ndividual Adj 2016. DIvision and		
\$10 Inci in 2 clie IT c <b>2015 T</b> 2016 1.9 \$10 Inci in 2 clie	200k average salary    remental Employe    2015 and 2016. The support need department and av    otal  12    otal  12    5 new employees    20k average salary    remental Employee    20k average salary    remental Employee    20k average salary	plus \$10k p e requireme lese 15 add s. The 15 h erage O&C 3 6 to support n plus \$10k p e requireme lese 15 add s. The 15 h	40 40 40 40 40 40 40 40 40 40 40 40 40 4	vee in asso estimated to vees are ne were prora for the bas 0 0 attives acro vee in asso estimated to vees are ne were prora	beiated NL be 15 hea beded to sup ated based of se year. <b>143</b> 286 oss the com beiated NL be 15 hea beded to sup ated based of	dcount acr pport busin upon 2013 <b>1.2</b> 2.5 npany in 20 costs. dcount acr	oss the IT I ess growth spend by in 1-Sided 015 and in oss the IT I ess growth	DIvision and ndividual Adj 2016. DIvision and		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3814.000 - DIRECTOR IT INFRASTRUCTURE

# Determination of Adjusted-Recorded (Incurred Costs):

	2009 (\$000) -Recorded	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	0	0	218	190	198
Non-Labor	0	0	72	127	67
NSE	0	0	0	0	0
Total	0	0	290	318	264
FTE	0.0	0.0	1.5	0.9	0.9
djustments (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	0	0	218	190	198
Non-Labor	0	0	72	127	67
NSE	0	0	0	0	0
Total	0	0	290	318	264
FTE	0.0	0.0	1.5	0.9	0.9
acation & Sick (Nominal \$	5)				
Labor	0	0	32	28	31
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	32	28	31
FTE	0.0	0.0	0.2	0.1	0.2
scalation to 2013\$					
Labor	0	0	10	4	0
Non-Labor	0	0	3	2	0
NSE	0	0	0	0	0
Total	0	0	13	6	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	259	222	229
Non-Labor	0	0	75	130	67
NSE	0	0	0	0	0
Total	0	0	335	351	296
FTE	0.0	0.0	1.7	1.0	1.1

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3814.000 - DIRECTOR IT INFRASTRUCTURE

# 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				

Beginning of Workpaper 2100-3817.000 - INFO SECURITY PROG

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub	1. Information Security
Cost Center:	2100-3817.000 - INFO SECURITY PROG

## **Activity Description:**

This cost center includes various Informational Security program costs.

## Forecast Explanations:

# Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

#### NA

#### Summary of Results:

[	In 2013\$ (000) Incurred Costs												
		Adju	isted-Recor	ded		Ad	justed-Fore	cast					
Years	2009	2010	2011	2012	2013	2014	2015	2016					
Labor	0	0	82	50	18	18	18	18					
Non-Labor	0	0	3	5	0	0	0	0					
NSE	0	0	0	0	0	0	0	0					
Total	0	0	84	56	19	19	19	19					
FTE	0.0	0.0	0.7	0.4	0.1	0.1	0.1	0.1					

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3817.000 - INFO SECURITY PROG

# Cost Center Allocations (Incurred Costs):

		2013 Adjusted-Recorded					2014 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	18	0	0	18	0.15	18	0	0	18	0.15
Total Incurred	18	0	0	18	0.15	18	0	0	18	0.15
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adjusted-Forecast					2016 Adjı	sted-Fore	cast	

	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	18	0	0	18	0.15	18	0	0	18	0.15
Total Incurred	18	0	0	18	0.15	18	0	0	18	0.15
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3817.000 - INFO SECURITY PROG

## Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

## Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

## Cost Center Allocation Percentage for 2015

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

## Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3817.000 - INFO SECURITY PROG

## Forecast Summary:

	In 2013 \$(000) Incurred Costs													
Forecast Method Base Forecast			Forec	ast Adjust	ments	Adjusted-Forecast								
Years 2014 2015		2016	2014	2015	2016	2014	2015	2016						
Labor	Base YR Rec	18	18	18	0	0	0	18	18	18				
Non-Labor	Base YR Rec	0	0	0	0	0	0	0	0	0				
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0				
Tota	Total		19	19	0	0	0	19	19	19				
FTE	Base YR Rec	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1				

Forecast Adjustment Details:

Year/Expl.	Labor	<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	

INFORMATION TECHNOLOGY
Stephen J. Mikovits
C. Information Security
1. Information Security
2100-3817.000 - INFO SECURITY PROG

# Determination of Adjusted-Recorded (Incurred Costs):

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	68	43	16
Non-Labor	0	0	3	5	0
NSE	0	0	0	0	0
Total	0	0	71	48	16
FTE	0.0	0.0	0.6	0.4	0.1
djustments (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
ecorded-Adjusted (Nomir	nal \$)				
Labor	0	0	68	43	16
Non-Labor	0	0	3	5	0
NSE	0	0	0	0	0
Total	0	0	71	48	16
FTE	0.0	0.0	0.6	0.4	0.1
acation & Sick (Nominal \$	5)				
Labor	0	0	10	6	3
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	10	6	3
FTE	0.0	0.0	0.1	0.1	0.0
scalation to 2013\$					
Labor	0	0	3	1	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	3	1	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	82	50	18
Non-Labor	0	0	3	5	0
NSE	0	0	0	0	0
Total	0	0	84	56	19
FTE	0.0	0.0	0.7	0.5	0.1

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	C. Information Security
Category-Sub:	1. Information Security
Cost Center:	2100-3817.000 - INFO SECURITY PROG

# 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	<u>RefID</u>	
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:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:D. IT SupportCost Center:VARIOUS

# Summary for Category: D. IT Support

		In 2013\$ (000) Incu		
	Adjusted-Recorded		Adjusted-Forecast	
[	2013	2014	2015	2016
Labor	3,686	3,850	3,850	3,850
Non-Labor	1,623	1,494	1,494	1,494
NSE	0	0	0	0
Total	5,309	5,344	5,344	5,344
FTE	34.8	35.8	35.8	35.8
Cost Centers belonging	g to this Category:			
2100-3064.000 VP INF	ORMATION TECHNOLOGY			
Labor	336	336	336	336
Non-Labor	416	416	416	416
NSE	0	0	0	0
Total	752	752	752	752
FTE	2.0	2.0	2.0	2.0
2100-3067.000 IT BUS	INESS PLANNING & BUDGETS			
Labor	709	759	759	759
Non-Labor	9	29	29	29
NSE	0	0	0	0
Total	718	788	788	788
FTE	7.1	7.1	7.1	7.1
2100-3317.000 IT ACC	OUNT MANAGEMENT			
Labor	266	266	266	266
Non-Labor	338	338	338	338
NSE	0	0	0	0
Total	604	604	604	604
FTE	3.0	3.0	3.0	3.0
2100-3699.000 SOLUT	TIONS ARCHITECTURE			
Labor	340	340	340	340
Non-Labor	-40	-40	-40	-40
NSE	0	0	0	0
Total	300	300	300	300
FTE	2.4	2.4	2.4	2.4
2100-3713.000 FIELD	FORCE PROGRAM DELIVERY	TEAM		
Labor	497	497	497	497
Non-Labor	39	39	39	39
NSE	0	0	0	0
Total	536	536	536	536
FTE	4.9	4.9	4.9	4.9

INFORMATION TECHNOLOGY
Stephen J. Mikovits
D. IT Support
VARIOUS

]		In 2013\$ (000) Incu	Irred Costs	
	Adjusted-Recorded		Adjusted-Forecast	
	2013	2014	2015	2016
2100-3733.000 SVP &	СІТО			
Labor	393	393	393	393
Non-Labor	244	244	244	244
NSE	0	0	0	0
Total	637	637	637	637
FTE	1.4	1.4	1.4	1.4
2100-3762.000 IT ENT	ERPRISE TRAINING AND CC			
Labor	131	131	131	131
Non-Labor	44	44	44	44
NSE	0	0	0	0
Total	175	175	175	175
FTE	1.0	1.0	1.0	1.0
2100-3807.000 ENTER	RPRISE FINANCIAL & OPS SOL	UTION		
Labor	7	121	121	121
Non-Labor	561	412	412	412
NSE	0	0	0	0
Total	568	533	533	533
FTE	0.0	1.0	1.0	1.0
2100-3842.000 IT ASS	OCIATE PROGRAM			
Labor	1,007	1,007	1,007	1,007
Non-Labor	12	12	12	12
NSE	0	0	0	0
Total	1,019	1,019	1,019	1,019
FTE	13.0	13.0	13.0	13.0

Beginning of Workpaper 2100-3064.000 - VP INFORMATION TECHNOLOGY

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:D. IT SupportCategory-Sub1. IT SupportCost Center:2100-3064.000 - VP INFORMATION TECHNOLOGY

#### **Activity Description:**

This cost center supports the VP of IT and all related expenses.

## Forecast Explanations:

# Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

N/A

#### 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	317	61	91	897	336	336	336	336		
Non-Labor	37	531	277	1,580	416	416	416	416		
NSE	0	0	0	0	0	0	0	0		
Total	354	592	368	2,477	752	752	752	752		
FTE	2.8	1.0	1.2	8.7	2.0	2.0	2.0	2.0		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3064.000 - VP INFORMATION TECHNOLOGY

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

		2013 Adjusted-Recorded				2014 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	-62	0	-62	0.00	0	-62	0	-62	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	336	478	0	814	2.02	336	478	0	814	2.02
Total Incurred	336	416	0	752	2.02	336	416	0	752	2.02
% Allocation										
Retained	46.48%	46.48%				46.48%	46.48%			
SEU	49.66%	49.66%				49.66%	49.66%			
CORP	3.32%	3.32%				3.32%	3.32%			
Unreg	0.54%	0.54%				0.54%	0.54%			

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	-62	0	-62	0.00	0	-62	0	-62	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	336	478	0	814	2.02	336	478	0	814	2.02
Total Incurred	336	416	0	752	2.02	336	416	0	752	2.02
% Allocation										
Retained	46.48%	46.48%				46.48%	46.48%			
SEU	49.66%	49.66%				49.66%	49.66%			
CORP	3.32%	3.32%				3.32%	3.32%			
Unreg	0.54%	0.54%				0.54%	0.54%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3064.000 - VP INFORMATION TECHNOLOGY

## Cost Center Allocation Percentage Drivers/Methodology:

## **Cost Center Allocation Percentage for 2013**

Calculations are based on a weighted average of the IT cost allocations of all cost centers reporting to the VP cost center. This is appropriate as this cost center manages the performance of all cost centers within the IT organization.

## Cost Center Allocation Percentage for 2014

Calculations are based on a weighted average of the IT cost allocations of all cost centers reporting to the VP cost center. This is appropriate as this cost center manages the performance of all cost centers within the IT organization.

## Cost Center Allocation Percentage for 2015

Calculations are based on a weighted average of the IT cost allocations of all cost centers reporting to the VP cost center. This is appropriate as this cost center manages the performance of all cost centers within the IT organization.

#### Cost Center Allocation Percentage for 2016

Calculations are based on a weighted average of the IT cost allocations of all cost centers reporting to the VP cost center. This is appropriate as this cost center manages the performance of all cost centers within the IT organization.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3064.000 - VP INFORMATION TECHNOLOGY

## Forecast Summary:

In 2013 \$(000) Incurred Costs										
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjust	tments	Adjusted-Forecast		
Years	5	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	336	336	336	0	0	0	336	336	336
Non-Labor	Base YR Rec	416	416	416	0	0	0	416	416	416
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	752	752	752	0	0	0	752	752	752
FTE	Base YR Rec	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0

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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3064.000 - VP INFORMATION TECHNOLOGY

# Determination of Adjusted-Recorded (Incurred Costs):

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
corded (Nominal \$)*					
Labor	251	49	10	196	290
Non-Labor	34	471	77	291	416
NSE	0	0	0	0	0
Total	285	521	87	487	706
FTE	2.4	0.9	0.2	1.0	1.7
justments (Nominal \$) *	*				
Labor	0	0	66	574	0
Non-Labor	0	25	189	1,262	0
NSE	0	0	0	0	0
Total	0	25	256	1,836	0
FTE	0.0	0.0	0.9	6.5	0.0
corded-Adjusted (Nomir	nal \$)				
Labor	251	49	76	770	290
Non-Labor	34	496	266	1,553	416
NSE	0	0	0	0	0
Total	285	545	343	2,323	706
FTE	2.4	0.9	1.1	7.5	1.7
cation & Sick (Nominal S	\$)				
Labor	39	8	11	112	46
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	39	8	11	112	46
FTE	0.4	0.1	0.2	1.2	0.3
calation to 2013\$					
Labor	27	4	3	15	0
Non-Labor	3	35	10	27	0
NSE	0	0	0	0	0
Total	31	39	14	42	0
FTE	0.0	0.0	0.0	0.0	0.0
corded-Adjusted (Const	ant 2013\$)				
Labor	317	61	91	897	336
Non-Labor	37	531	277	1,580	416
NSE	0	0	0	0	0
Total	354	592	368	2,477	752
FTE	2.8	1.0	1.3	8.7	2.0

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

\*\* Refer to "Detail of Adjustments to Recorded" page for line item adjustments *Note: Totals may include rounding differences.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 559 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3064.000 - VP INFORMATION TECHNOLOGY

# Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs							
Years	2009 2010 2011		2011	2012	2013		
Labor	0	0	66	574	0		
Non-Labor	0	25	189	1,262	0		
NSE	0	0	0	0	0		
Total	0	25	256	1,836	0		
FTE	0.0	0.0	0.9	6.5	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	<u>RefID</u>
2009 Total	0	0	0	0.0			
2010	0	25	0	0.0 C	CTR Transf	From 2100-3758.000	LBROUGH201402 27152956327
Transfer of th Electric Distr			costs pri	or to the	transfer of all C	CPD costs to SDGE	21132330321
2010	0	-25	0		SD_Type ransf	FROM CC_Subj	LBROUGH201402 27153212337
			-	or to the	transfer of all C	CPD costs to SDGE odirectly allocated.	27133212337
2010	0	25	0		SD_Type ransf	TO IO_Alloc	LBROUGH201402 27153212337
	•		•	or to the	transfer of all C	PD costs to SDGE directly allocated.	21133212331
2010 Total	0	25	0	0.0			
2011	66	189	0	0.9 C	CTR Transf	From 2100-3758.000	LBROUGH201402 27152907963
Transfer of th Electric Distr	•		costs pri	or to the	transfer of all C	PD costs to SDGE	
2011	-66	-189	0		SD_Type ransf	FROM CC_Subj	LBROUGH201402 27153120430
Transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013) - move costs from SS allocation to directly allocated.							

Area:	INFO	RMATION TE	CHNOLO	)GY			
Witness:	Steph	en J. Mikovit	S				
Category:	•	Support					
Category-Sub:		Support					
Cost Center:					TECHNOLOG		
Cost Center.	2100-	5004.000 - V			TECHNOLOG		
<u>Year/Expl.</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>
2011	66	189	0		SD_Type ransf	TO IO_Alloc	LBROUGH201402 27153120430
				ior to the	transfer of all	CPD costs to SDGE to directly allocated.	27133120430
2011 Total	66	189	0	0.9			
2012	574	1,262	0	6.5 C	CTR Transf	From 2100-3067.000	LBROUGH201402
		1,202					27152544260
Error shou	uld have been	transferred to	o 2100-30	)64 not 2	100-3067.		
	f the affiliate p stribution (wkg		) costs pr	ior to the	transfer of all	CPD costs to SDGE	
2012	-574	-1,262	0	-6.5 1-	Sided Adj	N/A	LBROUGH201402
						CPD costs to SDGE to directly allocated.	27152706020
2012	574	1,262	0	6.5 1-	Sided Adj	N/A	LBROUGH201402
						CPD costs to SDGE to directly allocated.	27152730887
2012 Total	574	1,262	0	6.5			
2013	488	818	0	5.3 C	CTR Transf	From 2100-3758.000	LBROUGH201402 27151439333
	f the affiliate p stribution (wkg		) costs pr	ior to the	transfer of all	CPD costs to SDGE	21101402000
2013	-488	-818	0	-5.3 1-	Sided Adj	N/A	LBROUGH201402 27151735627
of the affilia	ate portion of	CPD costs pr	ior to the	transfer o	-	as part of the transfer ts to SDGE Electric ocated.	21131133021
2013 Total	0	0	0	0.0			

Beginning of Workpaper 2100-3067.000 - IT BUSINESS PLANNING & BUDGETS

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub	1. IT Support
Cost Center:	2100-3067.000 - IT BUSINESS PLANNING & BUDGETS

#### **Activity Description:**

The IT and Business Planning cost center contains a manager, his support staff, and related employee expenses necessary to support the business planning function for the IT organization.

#### Forecast Explanations:

# Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

## N/A

#### Summary of Results:

Γ	In 2013\$ (000) Incurred Costs									
		Adju	isted-Recor	ded		Adjusted-Forecast				
Years	2009	2010	2011	2012	2013	2014	2015	2016		
Labor	832	763	745	766	709	759	759	759		
Non-Labor	16	11	91	33	9	29	29	29		
NSE	0	0	0	0	0	0	0	0		
Total	848	773	836	799	718	788	788	788		
FTE	8.2	7.8	8.3	8.5	7.1	7.1	7.1	7.1		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3067.000 - IT BUSINESS PLANNING & BUDGETS

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

		2013 Adju	2014 Adjusted-Forecast							
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	1	0	0	1	0.01	1	0	0	1	0.01
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	708	8	0	716	7.12	758	28	0	786	7.12
Total Incurred	709	8	0	717	7.13	759	28	0	787	7.13
% Allocation										
Retained	66.55%	66.55%				66.55%	66.55%			
SEU	30.74%	30.74%				30.74%	30.74%			
CORP	2.27%	2.27%				2.27%	2.27%			
Unreg	0.44%	0.44%				0.44%	0.44%			
		2015 Adiu	sted-Fore	cast			2016 Adii	usted-Fore	cast	

	2015 Adjusted-Forecast						2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE	
Directly Retained	1	0	0	1	0.01	1	0	0	1	0.01	
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00	
Subj. To % Alloc.	758	28	0	786	7.12	758	28	0	786	7.12	
Total Incurred	759	28	0	787	7.13	759	28	0	787	7.13	
% Allocation											
Retained	66.55%	66.55%				66.55%	66.55%				
SEU	30.74%	30.74%				30.74%	30.74%				
CORP	2.27%	2.27%				2.27%	2.27%				
Unreg	0.44%	0.44%				0.44%	0.44%				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3067.000 - IT BUSINESS PLANNING & BUDGETS

## Cost Center Allocation Percentage Drivers/Methodology:

## Cost Center Allocation Percentage for 2013

A weighted average of all cost centers in the CITO organization was used to calculate the percentages for this cost center. The Business Planning department supports all cost centers within the IT division so a weighted average is an appropriate methodology for this cost center.

## Cost Center Allocation Percentage for 2014

A weighted average of all cost centers in the CITO organization was used to calculate the percentages for this cost center. The Business Planning department supports all cost centers within the IT division so a weighted average is an appropriate methodology for this cost center.

# Cost Center Allocation Percentage for 2015

A weighted average of all cost centers in the CITO organization was used to calculate the percentages for this cost center. The Business Planning department supports all cost centers within the IT division so a weighted average is an appropriate methodology for this cost center.

#### Cost Center Allocation Percentage for 2016

A weighted average of all cost centers in the CITO organization was used to calculate the percentages for this cost center. The Business Planning department supports all cost centers within the IT division so a weighted average is an appropriate methodology for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3067.000 - IT BUSINESS PLANNING & BUDGETS

## Forecast Summary:

	In 2013 \$(000) Incurred Costs										
Forecast Method Base Forecast Forecast Adju						ast Adjust	ments	Adjus	ted-Forec	ast	
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	709	709	709	50	50	50	759	759	759	
Non-Labor	Base YR Rec	9	9	9	20	20	20	29	29	29	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	I	718	718	718	70	70	70	788	788	788	
FTE	Base YR Rec	7.1	7.1	7.1	0.0	0.0	0.0	7.1	7.1	7.1	

#### Forecast Adjustment Details:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
2014	50	20	0	70	0.0	1-Sided Adj

1 FTE MARP (Managerial Accounting Rotation Program) and \$20k in non- labor to expand training for 5 employees within the Business Planning & Budgets department (\$4k per employee).

The MARP program provides recent graduates the opportunity to gain operational experience while helping to support various projects within the IT department. Management estimates that 1 MARP at 50k per year will provide supplemental analytical support to the IT business planning department.

2014 Total	50	20	0	70	0.0	
2015	50	20	0	70	0.0	1-Sided Adj

1 FTE MARP (Managerial Accounting Rotation Program) and \$20k in non- labor to expand training for 5 employees within the Business Planning & Budgets department (\$4k per employee).

The MARP program provides recent graduates the opportunity to gain operational experience while helping to support various projects within the IT department. Management estimates that 1 MARP at 50k per year will provide supplemental analytical support to the IT business planning department.

2015 Total	50	20	0	70	0.0
2016	50	20	0	70	0.0 1-Sided Adj

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3067.000 - IT BUSINESS PLANNING & BUDGETS

Year/Expl.	Labor	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>
	ARP (Managerial A	0		<b>o</b> , ,		
training fo	or 5 employees wit	hin the Busi	ness Plann	ing & Budge	ts departr	nent (\$4k per
employee	e).					

The MARP program provides recent graduates the opportunity to gain operational experience while helping to support various projects within the IT department. Management estimates that 1 MARP at 50k per year will provide supplemental analytical support to the IT business planning department.

2016 Total	50	20	0	70	0.0
			-		

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3067.000 - IT BUSINESS PLANNING & BUDGETS

# Determination of Adjusted-Recorded (Incurred Costs):

	a-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	378	327	456	480	612
Non-Labor	9	5	78	30	9
NSE	0	0	0	0	0
Total	387	331	534	510	621
FTE	4.4	4.0	5.4	5.5	6.1
djustments (Nominal \$) *	*				
Labor	280	288	168	177	0
Non-Labor	5	5	10	3	0
NSE	0	0	0	0	0
Total	286	293	178	180	0
FTE	2.6	2.6	1.7	1.8	0.0
ecorded-Adjusted (Nomination (Nomination)	nal \$)				
Labor	659	615	625	658	612
Non-Labor	14	10	88	33	9
NSE	0	0	0	0	0
Total	673	624	712	690	621
FTE	7.0	6.6	7.1	7.3	6.1
acation & Sick (Nominal	\$)				
Labor	102	98	92	95	97
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	102	98	92	95	97
FTE	1.2	1.1	1.2	1.2	1.1
scalation to 2013\$					
Labor	72	50	28	13	0
Non-Labor	1	1	3	1	0
NSE	0	0	0	0	0
Total	73	51	31	14	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	tant 2013\$)				
Labor	832	763	745	766	709
Non-Labor	16	11	91	33	9
NSE	0	0	0	0	0
Total	848	773	836	799	718
FTE	8.2	7.7	8.3	8.5	7.2

\* 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.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 568 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3067.000 - IT BUSINESS PLANNING & BUDGETS

# Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs											
Years	<u>2009</u> <u>2010</u> <u>2011</u> <u>2012</u> <u>2013</u>										
Labor	280	288	168	177	0						
Non-Labor	5	5	10	3	0						
NSE	0	0	0	0	0						
Total	286	293	178	180	0						
FTE	2.6	2.6	1.7	1.8	0.0						

# Detail of Adjustments to Recorded:

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FT</u>	<u>E Adj Type</u>	From CCtr	<u>RefID</u>
2009	280	5	0	2.6	CCTR Transf	From 2100-3012.000	SDEW201310151 45142117
Cost center m	erged with	2100-3067					10112111
2009 Total	280	5	0	2.6			
2010	288	5	0	2.6	CCTR Transf	From 2100-3012.000	SDEW201310151
Employees me	erged into	cost center 21	00-3067				45327180
2010	0	0.008	0	0.0	CCTR Transf	From 2100-3012.000	SDEW201310151
Employees me	erged with	cost center 21	00-3067				50505800
2010 Total	288	5	0	2.6			
2011	168	10	0	1.7	CCTR Transf	From 2100-3012.000	SDEW201310151
Employees me	erged with	cost center 21	00-3067				50649653
2011 Total	168	10	0	1.7			
2012	574	1,262	0	6.5	CCTR Transf	From 2100-3758.000	LBROUGH201402
Transfor of the	o offiliato p		costs pric	r to th	o transfor of all C	PD costs to SDGE	27152306670
Electric Distrib							

Note: Totals may include rounding differences.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3067.000 - IT BUSINESS PLANNING & BUDGETS

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	RefID	
2012	-574	-1,262	0	-6.5 CC	CTR Transf	To 2100-3064.000	LBROUGH201402 27152544260	
Error shou	ıld have been	transferred to	o 2100-30	164 not 2 <sup>-</sup>	100-3067.		27152544200	
	Transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013)							
2012	177	3	0	1.8 CC	CTR Transf	From 2100-3012.000	SDEW201310151 50744837	
Employees	s merged with	cost center 2	100-3067	,			50744657	
2012 Total	177	3	0	1.8				

Note:	Totals may	include	rounding	differences.
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2013 Total

0

0

0

0.0

Beginning of Workpaper 2100-3317.000 - IT ACCOUNT MANAGEMENT

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub	1. IT Support
Cost Center:	2100-3317.000 - IT ACCOUNT MANAGEMENT

#### **Activity Description:**

A business relationship management function between IT Education, Training & Communications group at SDG&E and the entirety of SDG&E, SoCalGas and the Sempra Energy Corporate Center. The "Training" group represents IT's services to these 3 internal clients in an account management function to assist clients in achieving greater business optimization through the improved and effective use of IT's services.

## Forecast Explanations:

## Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

#### Summary of Results:

Γ	In 2013\$ (000) Incurred Costs											
		Adju	sted-Recor	ded		Ad	Adjusted-Forecast					
Years	2009	2010	2011	2012	2013	2014	2015	2016				
Labor	420	244	212	297	266	266	266	266				
Non-Labor	441	545	585	580	338	338	338	338				
NSE	0	0	0	0	0	0	0	0				
Total	862	788	797	878	604	604	604	604				
FTE	4.8	3.1	2.6	3.5	3.0	3.0	3.0	3.0				

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3317.000 - IT ACCOUNT MANAGEMENT

### Cost Center Allocations (Incurred Costs):

		2013 Adju	sted-Reco	rded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	1	7	0	8	0.00	1	7	0	8	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	265	331	0	596	3.01	265	331	0	596	3.01
Total Incurred	266	338	0	604	3.01	266	338	0	604	3.01
% Allocation										
Retained	41.65%	41.65%				38.08%	38.08%			
SEU	54.69%	54.69%				58.32%	58.32%			
CORP	3.66%	3.66%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	1	7	0	8	0.00	1	7	0	8	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	265	331	0	596	3.01	265	331	0	596	3.01
Total Incurred	266	338	0	604	3.01	266	338	0	604	3.01
% Allocation										
Retained	38.08%	38.08%				38.08%	38.08%			
SEU	58.32%	58.32%				58.32%	58.32%			
CORP	3.60%	3.60%				3.60%	3.60%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3317.000 - IT ACCOUNT MANAGEMENT

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

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3317.000 - IT ACCOUNT MANAGEMENT

### Forecast Summary:

In 2013 \$(000) Incurred Costs											
Forecas	t Method	Bas	se Foreca	st	Forec	ast Adjusti	nents	Adjus	ted-Forec	ast	
Years	s	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	266	266	266	0	0	0	266	266	266	
Non-Labor	Base YR Rec	338	338	338	0	0	0	338	338	338	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	ıl	604	604	604	0	0	0	604	604	604	
FTE	Base YR Rec	3.0	3.0	3.0	0.0	0.0	0.0	3.0	3.0	3.0	
Forecast Adjustment Details:											
Year/Ex	pl. Labo	<u>1</u> 1	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Typ</u>	<u>be</u>			

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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3317.000 - IT ACCOUNT MANAGEMENT

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	333	196	178	255	230
Non-Labor	403	509	563	571	338
NSE	0	0	0	0	0
Total	736	705	741	826	568
FTE	4.1	2.6	2.2	3.0	2.6
djustments (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
ecorded-Adjusted (Nomina	al \$)				
Labor	333	196	178	255	230
Non-Labor	403	509	563	571	338
NSE	0	0	0	0	0
Total	736	705	741	826	568
FTE	4.1	2.6	2.2	3.0	2.6
acation & Sick (Nominal \$)	)				
Labor	51	31	26	37	36
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	51	31	26	37	36
FTE	0.7	0.5	0.4	0.5	0.4
scalation to 2013\$					
Labor	36	16	8	5	0
Non-Labor	38	36	22	10	0
NSE	0	0	0	0	0
Total	75	52	30	15	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	nt 2013\$)				
Labor	420	244	212	297	266
Non-Labor	441	545	585	580	338
NSE	0	0	0	0	0
Total	862	788	797	878	604
FTE	4.8	3.1	2.6	3.5	3.0

\* 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3317.000 - IT ACCOUNT MANAGEMENT

## 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				

Beginning of Workpaper 2100-3699.000 - SOLUTIONS ARCHITECTURE

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub	1. IT Support
Cost Center:	2100-3699.000 - SOLUTIONS ARCHITECTURE

#### **Activity Description:**

Provide leadership in establishing policies, strategies, and architectural framework that help guide technology adoptions and alignment with the overall business. Develop awareness and statements of direction for emerging technology opportunities to enable key business strategies and goals.

#### Forecast Explanations:

#### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

### Summary of Results:

]	In 2013\$ (000) Incurred Costs								
		Adju	isted-Recor	Ad	justed-Fore	cast			
Years	2009	2010	2011	2012	2013	2014	2015	2016	
Labor	99	335	437	504	340	340	340	340	
Non-Labor	193	140	177	193	-40	-40	-40	-40	
NSE	0	0	0	0	0	0	0	0	
Total	292	476	614	697	300	300	300	300	
FTE	0.5	2.2	2.8	3.2	2.4	2.4	2.4	2.4	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3699.000 - SOLUTIONS ARCHITECTURE

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

		2013 Adju	2014 Adjusted-Forecast							
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	4	0	0	4	0.00	4	0	0	4	0.00
Directly Allocated	-5	-43	0	-48	-0.04	-5	-43	0	-48	-0.04
Subj. To % Alloc.	340	3	0	343	2.42	340	3	0	343	2.42
Total Incurred	339	-40	0	299	2.38	339	-40	0	299	2.38
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast					2016 Adjusted-Forecast				
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	4	0	0	4	0.00	4	0	0	4	0.00
Directly Allocated	-5	-43	0	-48	-0.04	-5	-43	0	-48	-0.04
Subj. To % Alloc.	340	3	0	343	2.42	340	3	0	343	2.42
Total Incurred	339	-40	0	299	2.38	339	-40	0	299	2.38
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3699.000 - SOLUTIONS ARCHITECTURE

### Cost Center Allocation Percentage Drivers/Methodology:

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3699.000 - SOLUTIONS ARCHITECTURE

### Forecast Summary:

	In 2013 \$(000) Incurred Costs									
Forecas	t Method	Base Forecast			Forec	ast Adjust	tments	Adjusted-Forecast		
Year	s	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	340	340	340	0	0	0	340	340	340
Non-Labor	Base YR Rec	-40	-40	-40	0	0	0	-40	-40	-40
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	al	300	300	300	0	0	0	300	300	300
FTE	Base YR Rec	2.4	2.4	2.4	0.0	0.0	0.0	2.4	2.4	2.4
Forecast Adju	orecast 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3699.000 - SOLUTIONS ARCHITECTURE

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

	2009 (\$000) -Recorded	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*		· · ·			
Labor	190	382	478	545	293
Non-Labor	183	137	177	196	-40
NSE	0	0	0	0	0
Total	373	519	655	740	253
FTE	1.4	2.9	3.4	3.8	2.0
djustments (Nominal \$) **					
Labor	-112	-112	-112	-112	0
Non-Labor	-6	-6	-6	-6	0
NSE	0	0	0	0	0
Total	-118	-118	-118	-118	0
FTE	-1.0	-1.0	-1.0	-1.0	0.0
Recorded-Adjusted (Nomin	al \$)				
Labor	78	270	366	433	293
Non-Labor	177	131	171	190	-40
NSE	0	0	0	0	0
Total	255	401	537	622	253
FTE	0.4	1.9	2.4	2.8	2.0
acation & Sick (Nominal \$	5)				
Labor	12	43	54	63	46
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	12	43	54	63	46
FTE	0.1	0.3	0.4	0.4	0.4
scalation to 2013\$					
Labor	9	22	16	9	0
Non-Labor	17	9	7	3	0
NSE	0	0	0	0	0
Total	25	31	23	12	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	99	335	437	504	340
Non-Labor	193	140	177	193	-40
NSE	0	0	0	0	0
Total	292	476	614	697	300
FTE	0.5	2.2	2.8	3.2	2.4

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3699.000 - SOLUTIONS ARCHITECTURE

### Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs						
Years	2009	2010	2011	2012	2013	
Labor	-112	-112	-112	-112	0	
Non-Labor	-6	-6	-6	-6	0	
NSE	0	0	0	0	0	
Total	-118	-118	-118	-118	0	
FTE	-1.0	-1.0	-1.0	-1.0	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	<u>RefID</u>
2009	-112	-6	0	-1.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to SO	CG as o	of 2013			031145221250
2009 Total	-112	-6	0	-1.0			
2010	-112	-6	0	-1.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to SO	CG as o	of 2013			031145331483
2010 Total	-112	-6	0	-1.0			
2011	-112	-6	0	-1.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to SC	CG as o	of 2013			031145423750
2011 Total	-112	-6	0	-1.0			
2012	-112	-6	0	-1.0 CC	TR Transf	To 2200-2470.000	FFIGUERO20131
IT Employee	Transfer fro	m SDGE to SO	CG as o	of 2013			031145501217
2012 Total	-112	-6	0	-1.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3699.000 - SOLUTIONS ARCHITECTURE

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

Beginning of Workpaper 2100-3713.000 - FIELD FORCE PROGRAM DELIVERY TEAM

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:D. IT SupportCategory-Sub1. IT SupportCost Center:2100-3713.000 - FIELD FORCE PROGRAM DELIVERY TEAM

#### **Activity Description:**

This cost center includes costs related to the construction planning design program at SDGE.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

#### NA

#### Summary of Results:

Γ				ln 2013\$ (00	0) Incurred C	osts		
		Adju	isted-Recor	Ad	Adjusted-Forecast			
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	534	524	498	477	497	497	497	497
Non-Labor	31	53	47	52	39	39	39	39
NSE	0	0	0	0	0	0	0	0
Total	565	577	544	529	536	536	536	536
FTE	4.9	4.9	4.8	4.7	4.9	4.9	4.9	4.9

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3713.000 - FIELD FORCE PROGRAM DELIVERY TEAM

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

	2013 Adjusted-Recorded						2014 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	25	2	0	27	0.18	25	2	0	27	0.18
Subj. To % Alloc.	472	37	0	509	4.77	472	37	0	509	4.77
Total Incurred	497	39	0	536	4.95	497	39	0	536	4.95
% Allocation										
Retained	36.00%	36.00%				36.00%	36.00%			
SEU	64.00%	64.00%				64.00%	64.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

	2015 Adjusted-Forecast						2016 Adjusted-Forecast			
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	25	2	0	27	0.18	25	2	0	27	0.18
Subj. To % Alloc.	472	37	0	509	4.77	472	37	0	509	4.77
Total Incurred	497	39	0	536	4.95	497	39	0	536	4.95
% Allocation										
Retained	36.00%	36.00%				36.00%	36.00%			
SEU	64.00%	64.00%				64.00%	64.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

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

#### **Cost Center Allocation Percentage for 2013**

Capital Project Cost Allocation

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

Capital Project Cost Allocation

#### **Cost Center Allocation Percentage for 2015**

Capital Project Cost Allocation

#### Cost Center Allocation Percentage for 2016

Capital Project Cost Allocation

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3713.000 - FIELD FORCE PROGRAM DELIVERY TEAM

### Forecast Summary:

			In 201	3 \$(000) In	curred Co	sts				
Forecast	t Method	Bas	se Foreca	st	Forec	ast Adjust	ments	Adjus	ted-Forec	ast
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016
Labor	Base YR Rec	497	497	497	0	0	0	497	497	497
Non-Labor	Base YR Rec	39	39	39	0	0	0	39	39	39
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0
Tota	I	536	536	536	0	0	0	536	536	536
FTE	Base YR Rec	4.9	4.9	4.9	0.0	0.0	0.0	4.9	4.9	4.9

Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adi Type</u>
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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3713.000 - FIELD FORCE PROGRAM DELIVERY TEAM

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

	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	23	22	17	9	29
Non-Labor	3	25	20	26	14
NSE	0	0	0	0	0
Total	26	47	37	35	43
FTE	0.2	0.2	0.1	0.1	0.2
djustments (Nominal \$) **					
Labor	400	400	400	400	400
Non-Labor	25	25	25	25	25
NSE	0	0	0	0	0
Total	425	425	425	425	425
FTE	4.0	4.0	4.0	4.0	4.0
Recorded-Adjusted (Nomina	al \$)				
Labor	423	422	417	409	429
Non-Labor	28	50	45	51	39
NSE	0	0	0	0	0
Total	451	472	462	460	468
FTE	4.2	4.2	4.1	4.1	4.2
acation & Sick (Nominal \$	)				
Labor	65	67	61	59	68
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	65	67	61	59	68
FTE	0.7	0.7	0.7	0.7	0.7
scalation to 2013\$					
Labor	46	35	19	8	0
Non-Labor	3	4	2	1	0
NSE	0	0	0	0	0
Total	49	38	20	9	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	534	524	498	477	497
Non-Labor	31	53	47	52	39
NSE	0	0	0	0	0
Total	565	577	544	529	536
FTE	4.9	4.9	4.8	4.8	4.9

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

\*\* Refer to "Detail of Adjustments to Recorded" page for line item adjustments *Note: Totals may include rounding differences.* 

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits Page 590 of 621

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3713.000 - FIELD FORCE PROGRAM DELIVERY TEAM

### Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs								
Years	2009	2010	2011	2012	2013			
Labor	400	400	400	400	400			
Non-Labor	25	25	25	25	25			
NSE	0	0	0	0	0			
Total	425	425	425	425	425			
FTE	4.0	4.0	4.0	4.0	4.0			

### 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	400	25	0	4.0 1-S	ided Adj	N/A	LBROUGH201405
Transfer of Cl	PD costs fro	m 1IT003 to	2100-371	13 as part	of IT reorganiz	zation.	15161717867
2009 Total	400	25	0	4.0			
2010	400	25	0	4.0 1-S	ided Adj	N/A	LBROUGH201405
Transfer of Cl	PD costs fro	m 1IT003 to	2100-371	13 as part	of IT reorgani	zation.	15161934027
2010 Total	400	25	0	4.0			
2011	400	25	0	4.0 1-S	ided Adj	N/A	LBROUGH201405
Transfer of Cl	PD costs fro	m 1IT003 to	2100-371	13 as part	of IT reorgani	zation.	15162005270
2011 Total	400	25	0	4.0			
2012	400	25	0	4.0 1-S	lided Adj	N/A	LBROUGH201405
Transfer of Cl	PD costs fro	m 1IT003 to	2100-371	13 as part	of IT reorgani	zation.	15162033610
2012 Total	400	25	0	4.0			

Area:	INFORMATION TECHNOLOGY									
Witness:	Steph	en J. Mikovit	s							
Category:	D. IT	Support								
Category-Sub:	1. IT \$	1. IT Support								
Cost Center:	2100-	2100-3713.000 - FIELD FORCE PROGRAM DELIVERY TEAM								
Year/Expl.	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	From CCtr	<u>RefID</u>			
2013	400	25	0	4.0 1-	Sided Adj	N/A	LBROUGH201405			
<b>T</b> ( (			0400 07	10			15162110987			

Transfer of CPD costs from 1IT003 to 2100-3713 as part of IT reorganization.

2013 Total	400	25	0	4.0

Beginning of Workpaper 2100-3733.000 - SVP & CITO

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub	1. IT Support
Cost Center:	2100-3733.000 - SVP & CITO

#### **Activity Description:**

The SVP and CITO cost center contains the Officer, his support staff, and related expenses necessary to manage the entire IT organization.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### NA

Summary of Results:

				In 2013\$ (00	0) Incurred (	Costs		
		Adju	isted-Recor	ded		Ad	justed-Fore	cast
Years	2009	2010	2011	2012	2013	2014	2015	2016
Labor	272	393	382	435	393	393	393	393
Non-Labor	70	63	83	208	244	244	244	244
NSE	0	0	0	0	0	0	0	0
Total	342	455	466	643	637	637	637	637
FTE	0.8	1.4	1.5	2.0	1.4	1.4	1.4	1.4

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3733.000 - SVP & CITO

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

		2013 Adjusted-Recorded					2014 Adju	usted-Fore	ecast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	3	0	3	0.00	0	3	0	3	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	393	242	0	635	1.38	393	242	0	635	1.38
Total Incurred	393	245	0	638	1.38	393	245	0	638	1.38
% Allocation										
Retained	66.55%	66.55%				47.29%	47.29%			
SEU	30.96%	30.96%				49.49%	49.49%			
CORP	2.27%	2.27%				2.92%	2.92%			
Unreg	0.22%	0.22%				0.30%	0.30%			
Unreg	0.22%	0.22%				0.30%	0.30%			

	2015 Adjusted-Forecast						2016 Adju	sted-Fore	cast	
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	3	0	3	0.00	0	3	0	3	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	393	242	0	635	1.38	393	242	0	635	1.38
Total Incurred	393	245	0	638	1.38	393	245	0	638	1.38
% Allocation										
Retained	47.29%	47.29%				47.29%	47.29%			
SEU	49.49%	49.49%				49.49%	49.49%			
CORP	2.92%	2.92%				2.92%	2.92%			
Unreg	0.30%	0.30%				0.30%	0.30%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3733.000 - SVP & CITO

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

#### **Cost Center Allocation Percentage for 2013**

The SVP cost center supports all cost centers within the organization so a weighted average was used in determining the allocation percentages. A weighted average of all cost centers against 2013 actual spend was used to calculate the percentages for this cost center.

#### Cost Center Allocation Percentage for 2014

The SVP cost center supports all cost centers within the organization so a weighted average was used in determining the allocation percentages. A weighted average of all cost centers in the new 2014 CITO organization against 2013 actual spend was used to calculate the percentages for this cost center.

#### Cost Center Allocation Percentage for 2015

The SVP cost center supports all cost centers within the organization so a weighted average was used in determining the allocation percentages. A weighted average of all cost centers in the new 2014 CITO organization against 2013 actual spend was used to calculate the percentages for this cost center.

#### Cost Center Allocation Percentage for 2016

The SVP cost center supports all cost centers within the organization so a weighted average was used in determining the allocation percentages. A weighted average of all cost centers in the new 2014 CITO organization against 2013 actual spend was used to calculate the percentages for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3733.000 - SVP & CITO

### Forecast Summary:

	In 2013 \$(000) Incurred Costs												
Forecast	t Method	Bas	se Foreca	st	Forec	ast Adjust	ments	Adjusted-Forecast					
Years	S	2014	2015	2016	2014	2015	2016	2014	2015	2016			
Labor	Base YR Rec	393	393	393	0	0	0	393	393	393			
Non-Labor	Base YR Rec	244	244	244	0	0	0	244	244	244			
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0			
Tota	I	637	637	637	0	0	0	637	637	637			
FTE	Base YR Rec	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4			
Forecast Adjustment Details:													
Year/Ex	pl. Labo	<u>r 1</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Typ</u>	<u>e</u>					

2014 Total	0	0	0	0	0.0	
2015 Total	0	0	0	0	0.0	
2016 Total	n	0	0	0	0.0	
201010101	U	U	J	U	0.0	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3733.000 - SVP & CITO

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

j	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	215	316	321	373	339
Non-Labor	64	59	80	204	244
NSE	0	0	0	0	0
Total	279	375	401	578	583
FTE	0.7	1.2	1.3	1.7	1.2
djustments (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
ecorded-Adjusted (Nomir	nal \$)				
Labor	215	316	321	373	339
Non-Labor	64	59	80	204	244
NSE	0	0	0	0	0
Total	279	375	401	578	583
FTE	0.7	1.2	1.3	1.7	1.2
acation & Sick (Nominal S	\$)				
Labor	33	50	47	54	54
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	33	50	47	54	54
FTE	0.1	0.2	0.2	0.3	0.2
scalation to 2013\$					
Labor	24	26	14	7	0
Non-Labor	6	4	3	4	0
NSE	0	0	0	0	0
Total	30	30	17	11	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	ant 2013\$)				
Labor	272	393	382	435	393
Non-Labor	70	63	83	208	244
NSE	0	0	0	0	0
Total	342	455	466	643	637
FTE	0.8	1.4	1.5	2.0	1.4

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

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

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3733.000 - SVP & CITO

### Summary of Adjustments to Recorded:

	In Nominal \$ (000) Incurred Costs										
Years	2009	<u>2009</u> <u>2010</u> <u>2011</u> <u>2012</u> <u>2013</u>									
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	<u>RefID</u>
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			

Beginning of Workpaper 2100-3762.000 - IT ENTERPRISE TRAINING AND CC

Area:INFORMATION TECHNOLOGYWitness:Stephen J. MikovitsCategory:D. IT SupportCategory-Sub1. IT SupportCost Center:2100-3762.000 - IT ENTERPRISE TRAINING AND CC

#### **Activity Description:**

This cost center includes the labor and non labor related to the IT Enterprise Training programs

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

#### NA

#### Summary of Results:

	In 2013\$ (000) Incurred Costs										
		Adju	isted-Recor	ded		Ad	justed-Fore	cast			
Years	2009	2010	2011	2012	2013	2014	2015	2016			
Labor	0	178	102	108	131	131	131	131			
Non-Labor	1	23	22	48	44	44	44	44			
NSE	0	0	0	0	0	0	0	0			
Total	1	201	124	156	174	174	174	174			
FTE	0.0	1.6	1.2	0.9	1.0	1.0	1.0	1.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3762.000 - IT ENTERPRISE TRAINING AND CC

### Cost Center Allocations (Incurred Costs):

		2013 Adju:	2014 Adjusted-Forecast							
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	59	0	0	59	0.45	59	0	0	59	0.45
Subj. To % Alloc.	72	43	0	115	0.57	72	43	0	115	0.57
Total Incurred	131	43	0	174	1.02	131	43	0	174	1.02
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adju	sted-Fore	cast			2016 Adjı	isted-Fore	cast	

	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	59	0	0	59	0.45	59	0	0	59	0.45
Subj. To % Alloc.	72	43	0	115	0.57	72	43	0	115	0.57
Total Incurred	131	43	0	174	1.02	131	43	0	174	1.02
% Allocation										
Retained	41.64%	41.64%				41.64%	41.64%			
SEU	54.70%	54.70%				54.70%	54.70%			
CORP	3.66%	3.66%				3.66%	3.66%			
Unreg	0.00%	0.00%				0.00%	0.00%			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3762.000 - IT ENTERPRISE TRAINING AND CC

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

### **Cost Center Allocation Percentage for 2013**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2014

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### **Cost Center Allocation Percentage for 2015**

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

#### Cost Center Allocation Percentage for 2016

Calculations are based on the number of LAN IDs used across each utility and Parent (corporate center). The use of LAN IDs is appropriate as it accurately represents the allocation of time and resources between affiliates for this cost center.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3762.000 - IT ENTERPRISE TRAINING AND CC

### Forecast Summary:

	In 2013 \$(000) Incurred Costs											
Forecast	t Method	Ba	se Foreca	st	Forec	ast Adjust	tments	Adjus	ted-Forec	ast		
Years	Years 2014 2015 2016		2016	2014	2015	2016	2014	2015	2016			
Labor	Base YR Rec	131	131	131	0	0	0	131	131	131		
Non-Labor	Base YR Rec	44	44	44	0	0	0	44	44	44		
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0		
Tota	I	174	174	174	0	0	0	174	174	174		
FTE	Base YR Rec	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0		

### 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:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3762.000 - IT ENTERPRISE TRAINING AND CC

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

····,···	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
Recorded (Nominal \$)*					
Labor	0	143	85	93	113
Non-Labor	1	22	22	47	44
NSE	0	0	0	0	0
Total	1	165	107	140	156
FTE	0.0	1.3	1.0	0.8	0.9
djustments (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	0	143	85	93	113
Non-Labor	1	22	22	47	44
NSE	0	0	0	0	0
Total	1	165	107	140	156
FTE	0.0	1.3	1.0	0.8	0.9
acation & Sick (Nominal \$	5)				
Labor	0	23	13	13	18
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	23	13	13	18
FTE	0.0	0.2	0.2	0.1	0.2
scalation to 2013\$					
Labor	0	12	4	2	0
Non-Labor	0	2	1	1	0
NSE	0	0	0	0	0
Total	0	13	5	3	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	178	102	108	131
Non-Labor	1	23	22	48	44
NSE	0	0	0	0	0
Total	1	201	124	156	174
FTE	0.0	1.5	1.2	0.9	1.1

\* 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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3762.000 - IT ENTERPRISE TRAINING AND CC

### Summary of Adjustments to Recorded:

In Nominal \$ (000) Incurred Costs										
Years	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				

Beginning of Workpaper 2100-3807.000 - ENTERPRISE FINANCIAL & OPS SOLUTION

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub	1. IT Support
Cost Center:	2100-3807.000 - ENTERPRISE FINANCIAL & OPS SOLUTION

#### **Activity Description:**

This cost center includes the costs related to the enterprise financial and operational solutions work, including Construction Planning and Design activities.

#### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

### NA

Summary of Results:

	In 2013\$ (000) Incurred Costs										
		Adju	isted-Recor	ded		Adjusted-Forecast					
Years	2009	2010	2011	2012	2013	2014	2015	2016			
Labor	0	6	184	181	7	121	121	121			
Non-Labor	0	0	67	249	561	412	412	412			
NSE	0	0	0	0	0	0	0	0			
Total	0	7	250	430	568	533	533	533			
FTE	0.0	0.1	1.8	1.5	0.0	1.0	1.0	1.0			

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3807.000 - ENTERPRISE FINANCIAL & OPS SOLUTION

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

		2013 Adju:	sted-Reco	rded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	2	0	0	2	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	5	561	0	566	0.03	121	412	0	533	1.03
Total Incurred	7	561	0	568	0.03	121	412	0	533	1.03
% Allocation										
Retained	48.00%	48.00%				48.00%	48.00%			
SEU	52.00%	52.00%				52.00%	52.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

		2015 Adju	sted-Fore	cast	2016 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	0	0	0	0	0.00	0	0	0	0	0.00
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	121	412	0	533	1.03	121	412	0	533	1.03
Total Incurred	121	412	0	533	1.03	121	412	0	533	1.03
% Allocation										
Retained	48.00%	48.00%				48.00%	48.00%			
SEU	52.00%	52.00%				52.00%	52.00%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			

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

#### **Cost Center Allocation Percentage for 2013**

Capital Project Cost Allocation

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

Capital Project Cost Allocation

### **Cost Center Allocation Percentage for 2015**

Capital Project Cost Allocation

#### Cost Center Allocation Percentage for 2016

Capital Project Cost Allocation

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3807.000 - ENTERPRISE FINANCIAL & OPS SOLUTION

### Forecast Summary:

				In 201	3 \$(000) l	ncurred Cos	sts					
	Forecast	Method	Ba	se Foreca	st	Forec	ast Adjustr	nents	Adjus	ted-Forec	ast	
Years		2014	2015	2016	2014	2015	2016	2014	2015	2016		
Labo	or	Base YR Rec	7	7	7	114	114	114	121	121	121	
Non	-Labor	Base YR Rec	561	561	561	-149	-149	-149	412	412	412	
NSE	E	Base YR Rec	0	0	0	0	0	0	0	0	0	
	Total		568	568	568	-35	-35	-35	533	533	533	
FTE		Base YR Rec	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	
orec	precast Adjustment Details:											
	Year/Exp	ol. Labo	<u>r 1</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Ty</u>	<u>pe</u>			
	2014	116	6 -´	49	0	-33	1.0	1-Sided	l Adj			
	Red	uctions due to CF	PD cost cen	ter consol	idation (se	e SCG WP	-18, workgro	oup 2ITO	)3)			
	2014	-2	2	0	0	-2	0.0	1-Sided	l Adj			
	Red	uctions due to CF	PD cost cen	ter consol	idation (se	e SCG WP	-18, workgro	oup 2ITO	)3)			
	2014 To	otal 114	4	149	0	-35	1.0					
	2015	116	6 - ^	149	0	-33	1.0	1-Sideo	Adj			
	Red	uctions due to CF	PD cost cen	ter consol	idation (se	e SCG WP	-18, workgro	oup 2ITO	)3)			
	2015	-2	2	0	0	-2	0.0	1-Sidec	l Adj			
	Red	uctions due to CF	PD cost cen	ter consol	idation (se	e SCG WP	-18, workgro	oup 2ITO	03)			
	2015 To	tal 114	4 - '	149	0	-35	1.0					
	2016	116	6 - ^	149	0	-33	1.0	1-Sidec	l Adj			
	Red	uctions due to CF	PD cost cen	ter consol	idation (se	e SCG WP	-18, workgro	oup 2ITO	)3)			
	2016	-2	2	0	0	-2	0.0	1-Sideo	l Adj			
	Red	uctions due to CF	PD cost cen	ter consol	idation (se	e SCG WP	-18, workgro	oup 2ITO	03)			
	2016 To	tal 114	4 -'	149	0	-35	1.0					

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3807.000 - ENTERPRISE FINANCIAL & OPS SOLUTION

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

j	d-Recorded (Incurred Cos 2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	5	154	155	6
Non-Labor	0	0	64	245	561
NSE	0	0	0	0	0
Total	0	5	218	400	568
FTE	0.0	0.1	1.5	1.3	0.0
djustments (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 (Nomir	nal \$)				
Labor	0	5	154	155	6
Non-Labor	0	0	64	245	561
NSE	0	0	0	0	0
Total	0	5	218	400	568
FTE	0.0	0.1	1.5	1.3	0.0
acation & Sick (Nominal S	\$)				
Labor	0	1	23	23	1
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	1	23	23	1
FTE	0.0	0.0	0.3	0.2	0.0
scalation to 2013\$					
Labor	0	0	7	3	0
Non-Labor	0	0	2	4	0
NSE	0	0	0	0	0
Total	0	0	9	7	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Const	ant 2013\$)				
Labor	0	6	184	181	7
Non-Labor	0	0	67	249	561
NSE	0	0	0	0	0
Total	0	7	250	430	568
FTE	0.0	0.1	1.8	1.5	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.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3807.000 - ENTERPRISE FINANCIAL & OPS SOLUTION

## 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				

Beginning of Workpaper 2100-3842.000 - IT ASSOCIATE PROGRAM

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub	1. IT Support
Cost Center:	2100-3842.000 - IT ASSOCIATE PROGRAM

### **Activity Description:**

This cost center provides 2 unique services - (1) The IT Associate Program provides a structured environment for new IT employees to become familiar with the SEu IT division's activities and systems, and perform related assignments by rotating among various SEu IT departments; (2) SEu IT Summer Intern Program

### Forecast Explanations:

### Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### Non-Labor - Base YR Rec

This method is most appropriate because the base year most accurately represents the current state of the IT workpapers. Historical costs have fluctuated between various workgroups as a result of either internal organizational changes, transfers of responsibilities, or shifting of cost drivers from one area of the IT department to another.

#### NSE - Base YR Rec

NA

#### Summary of Results:

[		In 2013\$ (000) Incurred Costs												
		Adju	isted-Recor	Adjusted-Forecast										
Years	2009	2010	2011	2012	2013	2014	2015	2016						
Labor	0	0	0	139	1,007	1,007	1,007	1,007						
Non-Labor	0	0	0	12	12	12	12	12						
NSE	0	0	0	0	0	0	0	0						
Total	0	0	0	152	1,019	1,019	1,019	1,019						
FTE	0.0	0.0	0.0	2.3	13.0	13.0	13.0	13.0						

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3842.000 - IT ASSOCIATE PROGRAM

## Cost Center Allocations (Incurred Costs):

		2013 Adju	sted-Reco	rded	2014 Adjusted-Forecast					
	Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
Directly Retained	9	0	0	9	0.07	9	0	0	9	0.07
Directly Allocated	0	0	0	0	0.00	0	0	0	0	0.00
Subj. To % Alloc.	998	12	0	1,010	12.92	998	12	0	1,010	12.92
Total Incurred	1,007	12	0	1,019	12.99	1,007	12	0	1,019	12.99
% Allocation										
Retained	43.22%	43.22%				43.22%	43.22%			
SEU	56.78%	56.78%				56.78%	56.78%			
CORP	0.00%	0.00%				0.00%	0.00%			
Unreg	0.00%	0.00%				0.00%	0.00%			
		2015 Adju	sted-Fore	cast		2016 Adjı	isted-Fore	ecast		

Labor	Non-Labor	NSE	Total	FTE	Labor	Non-Labor	NSE	Total	FTE
9	0	0	9	0.07	9	0	0	9	0.07
0	0	0	0	0.00	0	0	0	0	0.00
998	12	0	1,010	12.92	998	12	0	1,010	12.92
1,007	12	0	1,019	12.99	1,007	12	0	1,019	12.99
43.22%	43.22%				43.22%	43.22%			
56.78%	56.78%				56.78%	56.78%			
0.00%	0.00%				0.00%	0.00%			
0.00%	0.00%				0.00%	0.00%			
	9 0 998 1,007 43.22% 56.78% 0.00%	Labor    Non-Labor      9    0      0    0      998    12      1,007    12      43.22%    43.22%      56.78%    56.78%      0.00%    0.00%	Labor    Non-Labor    NSE      9    0    0      0    0    0      998    12    0      1,007    12    0      43.22%    43.22%    56.78%      56.78%    56.78%    0.00%	Labor    Non-Labor    NSE    Total      9    0    0    9      0    0    0    0      998    12    0    1,010      1,007    12    0    1,019      43.22%    43.22%    56.78%    56.78%      0.00%    0.00%	Labor    Non-Labor    NSE    Total    FTE      9    0    0    9    0.07      0    0    0    0    0    0.07      0    0    0    0    0    0.00      998    12    0    1,010    12.92      1,007    12    0    1,019    12.99      43.22%    43.22%    56.78%    56.78%    56.78%      0.00%    0.00%	Labor    Non-Labor    NSE    Total    FTE    Labor      9    0    0    9    0.07    9      0    0    0    9    0.07    9      0    0    0    0    0.00    0      998    12    0    1,010    12.92    998      1,007    12    0    1,019    12.99    1,007      43.22%    43.22%     43.22%    56.78%    56.78%    56.78%      0.00%    0.00%      0.00%    0.00%    0.00%	Labor    Non-Labor    NSE    Total    FTE    Labor    Non-Labor      9    0    0    9    0.07    9    0      0    0    0    0    0.00    0    0      998    12    0    1,010    12.92    998    12      1,007    12    0    1,019    12.99    1,007    12      43.22%    43.22%    43.22%    43.22%    56.78%    56.78%    56.78%      0.00%    0.00%    -    -    0.00%    0.00%    0.00%	Labor    Non-Labor    NSE    Total    FTE    Labor    Non-Labor    NSE      9    0    0    9    0.07    9    0    0      0    0    0    0    0.07    9    0    0      0    0    0    0    0.00    0    0    0      998    12    0    1,010    12.92    998    12    0      1,007    12    0    1,019    12.99    1,007    12    0      43.22%    43.22%    43.22%    43.22%    56.78%    56.78%    56.78%      0.00%    0.00%    0.00%    0.00%    0.00%    0.00%    0.00%	Labor    Non-Labor    NSE    Total    FTE    Labor    Non-Labor    NSE    Total      9    0    0    9    0.07    9    0    0    9      0    0    0    0    0    0    0    9    0    0    9      0    0    0    0    0.00    0 </td

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3842.000 - IT ASSOCIATE PROGRAM

### Cost Center Allocation Percentage Drivers/Methodology:

### Cost Center Allocation Percentage for 2013

Costs will be allocated based on employees with LAN access @ SDG&E & SCG. The allocations are supported by the rationale that the 2 sub-groups in this cost center provide services to all IT organizations at SEu. Further, since the support provided by this group touches all IT systems and , in turn, all employees within SEu, with LAN access, will benefit from the services.

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

Costs will be allocated based on employees with LAN access @ SDG&E & SCG. The allocations are supported by the rationale that the 2 sub-groups in this cost center provide services to all IT organizations at SEu. Further, since the support provided by this group touches all IT systems and , in turn, all employees within SEu, with LAN access, will benefit from the services.

### Cost Center Allocation Percentage for 2015

Costs will be allocated based on employees with LAN access @ SDG&E & SCG. The allocations are supported by the rationale that the 2 sub-groups in this cost center provide services to all IT organizations at SEu. Further, since the support provided by this group touches all IT systems and , in turn, all employees within SEu, with LAN access, will benefit from the services.

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

Costs will be allocated based on employees with LAN access @ SDG&E & SCG. The allocations are supported by the rationale that the 2 sub-groups in this cost center provide services to all IT organizations at SEu. Further, since the support provided by this group touches all IT systems and , in turn, all employees within SEu, with LAN access, will benefit from the services.

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3842.000 - IT ASSOCIATE PROGRAM

## Forecast Summary:

	In 2013 \$(000) Incurred Costs										
Forecast	t Method	lethod Base Forecast			Forec	ast Adjust	ments	Adjusted-Forecast			
Years	6	2014	2015	2016	2014	2015	2016	2014	2015	2016	
Labor	Base YR Rec	1,007	1,007	1,007	0	0	0	1,007	1,007	1,007	
Non-Labor	Base YR Rec	12	12	12	0	0	0	12	12	12	
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	
Tota	I	1,019	1,019	1,019	0	0	0	1,019	1,019	1,019	
FTE	Base YR Rec	13.0	13.0	13.0	0.0	0.0	0.0	13.0	13.0	13.0	

## 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	
0040 T-4-1	•	•	•	•		
2016 Total	0	0	0	0	0.0	

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3842.000 - IT ASSOCIATE PROGRAM

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

j	2009 (\$000)	2010 (\$000)	2011 (\$000)	2012 (\$000)	2013 (\$000)
ecorded (Nominal \$)*					
Labor	0	0	0	120	869
Non-Labor	0	0	0	12	12
NSE	0	0	0	0	0
Total	0	0	0	132	881
FTE	0.0	0.0	0.0	2.0	11.0
djustments (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
ecorded-Adjusted (Nomin	al \$)				
Labor	0	0	0	120	869
Non-Labor	0	0	0	12	12
NSE	0	0	0	0	0
Total	0	0	0	132	881
FTE	0.0	0.0	0.0	2.0	11.0
acation & Sick (Nominal \$	5)				
Labor	0	0	0	17	138
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	17	138
FTE	0.0	0.0	0.0	0.3	1.9
scalation to 2013\$					
Labor	0	0	0	2	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	3	0
FTE	0.0	0.0	0.0	0.0	0.0
ecorded-Adjusted (Consta	ant 2013\$)				
Labor	0	0	0	139	1,007
Non-Labor	0	0	0	12	12
NSE	0	0	0	0	0
Total	0	0	0	152	1,019
FTE	0.0	0.0	0.0	2.3	12.9

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

\*\* Refer to "Detail of Adjustments to Recorded" page for line item adjustments *Note: Totals may include rounding differences.* 

Area:	INFORMATION TECHNOLOGY
Witness:	Stephen J. Mikovits
Category:	D. IT Support
Category-Sub:	1. IT Support
Cost Center:	2100-3842.000 - IT ASSOCIATE PROGRAM

## 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: INFORMATION TECHNOLOGY Witness: Stephen J. Mikovits

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

	_	
Cost Center	Sub	Description
2100-0027	000	DIRECTOR CUSTOMER SERVICE & STAFF
2100-0121	000	ESS MOB HDWR & APPS
2100-0460	000	IT LVC FOR BUDGET USE ONLY
2100-0642	000	CUSTOMER OPERATIONS TECHNOLOGY MANAGER
2100-3070	000	CLIENT SERVICES & ENTERPRISE SUPPORT DIR
2100-3078	000	CUSTOMER CARE SYSTEMS DIRECTOR
2100-3081	000	CUSTOMER SYSTEMS SERVICE INTEGRATION
2100-3084	000	SDGE CUSTOMER CARE PROJECT OFFICE
2100-3085	000	SDGE METER DATA AND CUSTOMER FIELD
2100-3094	000	SOFTWARE DEV - FIELD OPS (SD)
2100-3172	000	IT INVENTORY
2100-3315	000	PROCESS IMPROVEMENT
2100-3339	000	IT CSC DEPOT
2100-3535	000	ESS PROD SUPPORT
2100-3624	000	SDGE IT METERING SYS & DISTRIBUTION
2100-3627	000	CST - SD PROJECTS
2100-3634	000	NETWORK/TELECOM SERVICES -ADMINISTRATION
2100-3638	000	OPEX 20/20 FIELD FORCE INITIATIVES
2100-3644	000	OPEX ASSET MANAGEMENT GIS
2100-3645	000	OPEX 20/20 IT INFRASTRUCTURE
2100-3646	000	CUSTOMER CARE ICE INTERACTIONS
2100-3647	000	PROJECT MANAGEMENT OFFICE FOR OPEX 20/20
2100-3648	000	FIELD WMS - MAINTENANCE AND INSPECTION
2100-3649	000	FIELD MOBILE- MAINTENANCE AND INSPECTION
2100-3650	000	FIELD PLANNING AND SCHEDULE
2100-3653	000	OPEX 20/20 ASSET MANAGEMENT ETC
2100-3669	000	ESS IMPLEMT SUPPORT
2100-3671	000	IT BUSINESS TECHNOLOGISTS
2100-3677	000	FIELD FORCE - SUPERVISOR ENABLEMENT
2100-3686	000	PMO EDUCATION TRAINING & COMMUNICATION
2100-3687	000	OPEX ASSET MANAGEMENT AIS
2100-3688	000	OPEX 20/20 SMART GRID OMS/DMS
2100-3689	000	OPEX 20/20 SMART GRID CBM
2100-3690	000	CUSTOMER CARE ICE SELF SERVICE
2100-3691	000	CUSTOMER OPERATIONAL INSIGHT ANALYTICS
2100-3692	000	CUSTOMER SINGLE VIEW OF THE CUSTOMER
2100-3693	000	CUSTOMER CARE REP OF THE FUTURE
2100-3696	000	DIRECTOR - PROGRAM DELIVERY TEAM
2100-3697	000	OPEX 20/20 IT PROGRAM MANAGEMENT
2100-3700	000	SMART METER IT PROGRAM MANAGEMENT
2100-3724	000	UTILITY PLANNING - SDG&E
2100-3732	000	CST - PACER 2
2100-3757	000	FIELD FORCE DEPLOYMENT
2100-3758	000	FIELD FORCE TESTING
2100-3759	000	FIELD FORCE ETC
2100 0100		NEORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/With

SDG&E/INFORMATION TECHNOLOGY/Exh No:SDG&E-19-WP-R/Witness: S. Mikovits

Area: INFORMATION TECHNOLOGY

Witness: Stephen J. Mikovits

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

Cost Center	Sub	Description
2100-3760	000	SCG AMI-IT
2100-3772	000	ESS MOBILE APPS
2100-3803	000	DYNAMIC PRICING SYSTEMS
2100-3804	000	SCG AMI SYSTEMS MANAGEMENT
2100-3816	000	SDGE APPS SVCS
2100-3819	000	ESS PRODUCTION SUPPORT SDGE
2100-3820	000	CCS Delivery - SDGE
2100-3823	000	SDGE APPL PROG OFF
2100-3829	000	ESS MOBILE APPS
2100-3837	000	CUSTOMER OPERATIONS TECHNOLOGY
2100-3840	000	IT REGULATORY COMPLIANCE
2100-3849	000	TRANSPORT INFRASTRUCTURE
2100-3886	000	SDG&E SYST INTEGRA
2100-3887	000	SDG&E APPS CONTRACTS
2100-3901	000	CAP & Business Optimization
2100-3910	000	CAPITAL & BUSINESS OPTIMIZATION
2100-3915	000	UTILITY OPS/FINCL CONTRACTS-SDGE
2100-3917	000	SDGE COMPUCOM CONTRACT SERVICE
2100-3920	000	COMPUTING INFRASTRUCTURE CONTRACTS - NSS
2100-3935	000	IT QUALITY ASSURANCE
2100-4025	000	GRID COMMUNICATIONS PMO