Application of SAN DIEGO GAS & ELECTRIC )
COMPANY for authority to update its gas and )
electric revenue requirement and base rates )
effective January 1, 2016     (U 902-M) )

Application No. 14-11-___
Exhibit No.: (SDG&E-19-WP)

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

NOVEMBER 2014

**SDGE**

## Exhibit SDG&E-19-WP - INFORMATION TECHNOLOGY

## Exhibit SDG&E-19-WP - INFORMATION TECHNOLOGY

## Exhibit SDG&E-19-WP - INFORMATION TECHNOLOGY

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

| Area: | **INFORMATION TECHNOLOGY** |
|---|---|
| Witness: | **Stephen J. Mikovits** |

| Description | In 2013  $ (000) Incurred Costs | | | |
|---|---|---|---|---|
| | Adjusted-Recorded | Adjusted-Forecast | | |
| | **2013** | **2014** | **2015** | **2016** |
| *Non-Shared Services* | 14,445 | 16,207 | 15,898 | 18,702 |
| *Shared Services* | 76,102 | 75,247 | 82,174 | 91,046 |
| *Total* | **90,547** | **91,454** | **98,072** | **109,748** |

*Note:  Totals may include rounding differences.*

Area: INFORMATION TECHNOLOGY

Witness: Stephen J. Mikovits

## Summary of Non-Shared Services Workpapers:

| | In 2013 $ (000) Incurred Costs | | | |
|---|---|---|---|---|
| | Adjusted-Recorded | Adjusted-Forecast | | |
| Description | 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** |

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
|---|---|
| Witness: | Stephen J. Mikovits |
| Category: | A. Applications |
| Workpaper: | 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 Applications NSS**

| | | | | |
|---|---|---|---|---|
| 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 |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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 | 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 |
| **Total** | | **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. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 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 expiriation, 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.*

Area:              INFORMATION TECHNOLOGY

Witness:         Stephen J. Mikovits

Category:       A. Applications

Category-Sub:   1. Applications

Workpaper:     1IT001.000 - IT Applications NSS

| Year/Expl. | Labor | NLbr | NSE | Total | 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 |

*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

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|

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.*

Area: INFORMATION TECHNOLOGY

Witness: Stephen J. Mikovits

Category: A. Applications

Category-Sub: 1. Applications

Workpaper: 1IT001.000 - IT Applications NSS

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2016 | 787 | 80 | 0 | 867 | 7.9 | 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| **2016 Total** | **2,067** | **2,607** | **0** | **4,674** | **20.6** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 892 | 910 | 808 | 1,019 | 1,195 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **892** | **910** | **808** | **1,019** | **1,195** |
| FTE | 10.9 | 11.2 | 10.2 | 12.6 | 13.6 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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:**

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | 304 | 3 | 0 | 3.8 | CCTR Transf | From 2100-0019.000 | CSCHRAMM2013 1107221220710 |

Transfer labor, FTE, and non-labor costs associated with IT Tech Support function from cost center 2100-0019 in Work Paper Group 1OO007 CCC Support to cost center 2100-0642 in Work Paper Group 1IT001 Information Technology to align function where activity resides.

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | 232 | 5 | 0 | 1.8 | CCTR Transf | From 2100-3611.000 | CSCHRAMM2013 1107221601690 |

Transfer labor, FTE, and non-labor costs associated with IT Tech Manager function from cost center 2100-0019 in Work Paper Group 1OO007 CCC Support to cost center 2100-0642 in Work Paper Group 1IT001 Information Technology to align function where activity resides.

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -35 | -3 | 0 | -0.4 | 1-Sided Adj | N/A | LBROUGH201311 05164557723 |

IT employee transfer from SDGE to SCG, 2IT001

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -232 | 0 | 0 | -2.3 | 1-Sided Adj | N/A | LBROUGH201312 04104017257 |

Transfer of 4 employees to SCG Gas Ops, Wkpaper 2SP000.  4 x 100k x 58% O&M = $232k

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **269** | **5** | **0** | **2.9** | | | |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2010 | 298 | 12 | 0 | 3.5 | CCTR Transf | From 2100-0019.000 | CSCHRAMM2013 1107221328560 |

Transfer labor, FTE, and non-labor costs associated with IT Tech Support function from cost center 2100-0019 in Work Paper Group 1OO007 CCC Support to cost center 2100-0642 in Work Paper Group 1IT001 Information Technology to align function where activity resides.

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2010 | 226 | 6 | 0 | 1.7 | CCTR Transf | From 2100-3611.000 | CSCHRAMM2013 1107221705560 |

Transfer labor, FTE, and non-labor costs associated with IT Tech Manager function from cost center 2100-0019 in Work Paper Group 1OO007 CCC Support to cost center 2100-0642 in Work Paper Group 1IT001 Information Technology to align function where activity resides.

| 2010 | -35 | -3 | 0 | -0.4 | 1-Sided Adj | N/A | LBROUGH201311 05164645730 |

IT employee transfer from SDGE to SCG, 2IT001

| 2010 | -232 | 0 | 0 | -2.3 | 1-Sided Adj | N/A | LBROUGH201312 04104051257 |

Transfer of 4 employees to SCG Gas Ops, Wkpaper 2SP000.  4 x 100k x 58% O&M = $232k

| **2010 Total** | **257** | **15** | **0** | **2.5** | | | |

| 2011 | 163 | 7 | 0 | 1.7 | CCTR Transf | From 2100-0019.000 | CSCHRAMM2013 1107221427490 |

Transfer labor, FTE, and non-labor costs associated with IT Tech Support function from cost center 2100-0019 in Work Paper Group 1OO007 CCC Support to cost center 2100-0642 in Work Paper Group 1IT001 Information Technology to align function where activity resides.

| 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 1OO007 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 05164723943 |

IT employee transfer from SDGE to SCG, 2IT001

| 2011 | -232 | 0 | 0 | -2.3 | 1-Sided Adj | N/A | LBROUGH201312 04104123227 |

Transfer of 4 employees to SCG Gas Ops, Wkpaper 2SP000.  4 x 100k x 58% O&M = $232k

| **2011 Total** | **-97** | **5** | **0** | **-0.9** | | | |

| 2012 | -35 | -3 | 0 | -0.4 | 1-Sided Adj | N/A | LBROUGH201311 05164848587 |

IT employee transfer from SDGE to SCG, 2IT001

*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

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2012 | -40 | -3 | 0 | -0.9 | 1-Sided Adj | N/A | LBROUGH201311 05165048623 |
| IT employee transfer from SDGE to SCG, 2200-2496 | | | | | | | |
| **2012 Total** | **-75** | **-6** | **0** | **-1.3** | | | |
| | | | | | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

Area: INFORMATION TECHNOLOGY

Witness: Stephen J. Mikovits

Category: B. Infrastructure

Workpaper: 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 |

*Note:  Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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 | 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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 95 | 5 | 7 | 41 | 31 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **95** | **5** | **7** | **41** | **31** |
| FTE | 1.4 | 0.1 | 0.1 | 0.4 | 0.3 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -112 | -3 | 0 | -0.8 | 1-Sided Adj | N/A | LBROUGH201311 06090424747 |
| IT employee xfers from SDGE to SCG 2IT002. | | | | | | | |
| **2009 Total** | **-112** | **-3** | **0** | **-0.8** | | | |
| 2010 | -112 | -3 | 0 | -0.8 | 1-Sided Adj | N/A | LBROUGH201311 06090518323 |
| IT employee xfers from SDGE to SCG 2IT002. | | | | | | | |
| **2010 Total** | **-112** | **-3** | **0** | **-0.8** | | | |
| 2011 | -112 | -3 | 0 | -0.8 | 1-Sided Adj | N/A | LBROUGH201311 06090600670 |
| IT employee xfers from SDGE to SCG 2IT002. | | | | | | | |
| **2011 Total** | **-112** | **-3** | **0** | **-0.8** | | | |
| 2012 | -112 | -3 | 0 | -0.8 | 1-Sided Adj | N/A | LBROUGH201311 06090648600 |
| IT employee xfers from SDGE to SCG 2IT002. | | | | | | | |
| **2012 Total** | **-112** | **-3** | **0** | **-0.8** | | | |

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
|---|---|
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Workpaper: | 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 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 |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*Note: Totals may include rounding differences.*

| 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 Method** | **Base Forecast** | | | **Forecast Adjustments** | | | **Adjusted-Forecast** | | |
| **Years** | **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 |
| **Total** | **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 | NLbr | 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** | |

*Note:  Totals may include rounding differences.*

| 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) |
| --- | --- | --- | --- | --- | --- |
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 23 | 15 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **23** | **15** |
| FTE | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

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

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

| | In 2013$ (000) Incurred Costs | | | |
|---|---|---|---|---|
| | **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:**

**1IT003.000 IT Support**

| | | | | |
|---|---|---|---|---|
| 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 |

*Note:  Totals may include rounding differences.*

**Beginning of Workpaper**
**1IT003.000 - IT Support**

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

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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 | 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 |
| Total | | **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. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 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-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.

| | | | | | | |
|---|---|---|---|---|---|---|
| **2015 Total** | **83** | **-500** | **0** | **-417** | **0.0** | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2016 | 83 | -500 | 0 | -417 | 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.

*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 |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2016 Total** | **83** | **-500** | **0** | **-417** | **0.0** | |

*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 |

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

| | 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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 237 | 267 | 146 | 65 | 53 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **237** | **267** | **146** | **65** | **53** |
| FTE | 2.8 | 3.7 | 1.6 | 0.7 | 0.4 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | 0 | 1,521 | 0 | 0.0 | 1-Sided Adj | N/A | LBROUGH201311 05152558700 |

Reversal of credit related to cost centers 2100-3172 & 2100-3339 for IT Inventory Adjustments.

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -495 | -25 | 0 | -4.0 | 1-Sided Adj | N/A | LBROUGH201405 15161346787 |

Transfer of CPD costs from 1IT003 to 2100-3713 as part of IT reorg and to align with reorganization.

| **2009 Total** | **-495** | **1,496** | **0** | **-4.0** | | | |
|---|---|---|---|---|---|---|---|

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2010 | 0 | -2,149 | 0 | 0.0 | 1-Sided Adj | N/A | LBROUGH201311 05152710553 |

Adjustment of IT Inventory balancing account for cost centers 2100-3172 and 2100-3339

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2010 | 0 | -25 | 0 | 0.0 | CCTR Transf | To 2100-3064.000 | LBROUGH201402 27152956327 |

Transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013)

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2010 | -495 | -25 | 0 | -4.0 | 1-Sided Adj | N/A | LBROUGH201405 15161302000 |

Transfer of CPD costs from 1IT003 to 2100-3713 as part of IT reorg and to align with reorganization.

| **2010 Total** | **-495** | **-2,199** | **0** | **-4.0** | | | |
|---|---|---|---|---|---|---|---|

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 2011 | 0 | 2,214 | 0 | 0.0 | 1-Sided Adj | N/A | LBROUGH201311 05152759987 |
| Adjustment of IT Inventory balancing account credit for cost centers 2100-3172 and 2100-3339 |
| 2011 | -66 | -189 | 0 | -0.9 | CCTR Transf | To 2100-3064.000 | LBROUGH201402 27152907963 |
| Transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013) |
| 2011 | -495 | -25 | 0 | -4.0 | 1-Sided Adj | N/A | LBROUGH201405 15161237933 |
| Transfer of CPD costs from 1IT003 to 2100-3713 as part of IT reorg and to align with reorganization. |
| **2011 Total** | **-561** | **2,000** | **0** | **-4.9** | | | |
| | | | | | | | |
| 2012 | 0 | -5,984 | 0 | 0.0 | 1-Sided Adj | N/A | LBROUGH201311 05152838510 |
| Adjustment of IT Inventory balancing account for cost centers 2100-3172 and 2100-3339 |
| 2012 | -574 | -1,262 | 0 | -6.5 | CCTR Transf | To 2100-3067.000 | LBROUGH201402 27152306670 |
| Transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013) |
| 2012 | -4 | -40 | 0 | 0.0 | CCTR Transf | To 2100-3604.000 | LBROUGH201402 27155929367 |
| Transfer of the O&M portion of IT CPD costs to SDGE Electric Distribution wkgrp 1ED013 |
| 2012 | -495 | -25 | 0 | -4.0 | 1-Sided Adj | N/A | LBROUGH201405 15161212877 |
| Transfer of CPD costs from 1IT003 to 2100-3713 as part of IT reorg and to align with 2014 budget. |
| **2012 Total** | **-1,073** | **-7,311** | **0** | **-10.5** | | | |
| | | | | | | | |
| 2013 | -488 | -818 | 0 | -5.3 | CCTR Transf | To 2100-3064.000 | LBROUGH201402 27151439333 |
| Transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013) |
| 2013 | -294 | -142 | 0 | -3.0 | CCTR Transf | To 2100-3604.000 | LBROUGH201402 27155703640 |
| Transfer of the O&M portion of IT CPD costs to SDGE Electric Distribution (wkgrp 1ED013) |

*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 | | | | | | |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2013 | -495 | -25 | 0 | -4.0 | 1-Sided Adj | N/A | LBROUGH201405 15161129497 |

Transfer of CPD costs from 1IT003 to 2100-3713 as part of IT reorg.

| **2013 Total** | **-1,277** | **-985** | **0** | **-12.3** | | | |

*Note: Totals may include rounding differences.*

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 | 18,591 | 20,221 | 25,042 |
| 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** | **75,247** | **82,174** | **91,046** |

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | A. Applications |
| Cost 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 | 9,924 | 10,929 | 15,124 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **18,589** | **18,589** | **20,219** | **25,040** |
| FTE | 80.8 | 80.8 | 87.0 | 93.3 |

**Cost Centers belonging to this Category:**

**2100-3071.000 SAP ACCOUNTING & FINANCIAL SYSTEMS**

| | | | | |
|---|---|---|---|---|
| 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 SUPPLY CHAIN & LOGISTICS SYSTEMS**

| | | | | |
|---|---|---|---|---|
| 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 ENTERPRISE INTEGRATION SERVICES**

| | | | | |
|---|---|---|---|---|
| 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 CORPORATE 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 |

*Note:  Totals may include rounding differences.*

Area: INFORMATION TECHNOLOGY

Witness: Stephen J. Mikovits

Category: A. Applications

Cost Center: VARIOUS

| | In 2013$ (000) Incurred Costs | | | |
|---|---|---|---|---|
| | Adjusted-Recorded | Adjusted-Forecast | | |
| | 2013 | 2014 | 2015 | 2016 |
| **2100-3079.000 SCG CUSTOMER CARE PROJECT OFFICE** | | | | |
| 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 MAJOR MARKETS & CUSTOMER SELF SERVICE** | | | | |
| Labor | 2 | 2 | 2 | 2 |
| Non-Labor | 16 | 16 | 16 | 16 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **18** | **18** | **18** | **18** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 |
| **2100-3082.000 SCG CUSTOMER INFORMATION SYSTEMS** | | | | |
| 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 CUSTOMER FIELD** | | | | |
| 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 CUSTOMER ASSISTANCE AND RELATIONSHIP** | | | | |
| 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 UTILITY OPS SW DEVELOP SERVICES DIRECTOR** | | | | |
| 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 |
| **2100-3088.000 SOFTWARE DEV - WORK MEAS SYSTEMS** | | | | |
| Labor | 158 | 158 | 158 | 158 |
| Non-Labor | 30 | 30 | 30 | 30 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **188** | **188** | **188** | **188** |
| FTE | 1.6 | 1.6 | 1.6 | 1.6 |

*Note: Totals may include rounding differences.*

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

| | In 2013$ (000) Incurred Costs | | | |
| | Adjusted-Recorded | Adjusted-Forecast | | |
| | 2013 | 2014 | 2015 | 2016 |
|---|---|---|---|---|
| **2100-3089.000 BUSINESS 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 SOFTWARE DEV - DATABASE ADMINISTRATOR** | | | | |
| Labor | 1,299 | 1,299 | 1,299 | 1,299 |
| Non-Labor | 3,069 | 3,069 | 3,418 | 4,796 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **4,368** | **4,368** | **4,717** | **6,095** |
| FTE | 11.0 | 11.0 | 11.0 | 11.0 |
| **2100-3093.000 SOFTWARE DEV - WORK MEAS & ELECTRIC SYST** | | | | |
| 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 INFRASTRUCTURE ENG & OPS DIRECTOR** | | | | |
| 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 SHARED SOFTWARE DEVELOPMENT CONTRACTS** | | | | |
| Labor | 0 | 0 | 0 | 0 |
| Non-Labor | 4,954 | 4,954 | 5,350 | 8,092 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **4,954** | **4,954** | **5,350** | **8,092** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 |
| **2100-3754.000 CUSTOMER CARE PROJECT OFFICE** | | | | |
| Labor | 1 | 1 | 1 | 1 |
| Non-Labor | 5 | 5 | 5 | 5 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **6** | **6** | **6** | **6** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 |
| **2100-3846.000 SCG APPS MAJOR MARKET APP** | | | | |
| Labor | -5 | -5 | -5 | -5 |
| Non-Labor | 11 | 11 | 11 | 11 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **6** | **6** | **6** | **6** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 |

*Note: Totals may include rounding differences.*

Area: INFORMATION TECHNOLOGY

Witness: Stephen J. Mikovits

Category: A. Applications

Cost Center: VARIOUS

| | In 2013$ (000) Incurred Costs | | | |
|---|---|---|---|---|
| | Adjusted-Recorded | Adjusted-Forecast | | |
| | 2013 | 2014 | 2015 | 2016 |
| **2100-3848.000 CUSTOMER 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 ENTERPRISE MODELING TEST TEAM** | | | | |
| 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 Collaboration 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 |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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 Adjusted-Forecast | | | | | 2016 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 | -0.01 | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 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 (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 |
| **Vacation & 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 (Constant 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:**

| Years | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| | **In Nominal $ (000) Incurred Costs** | | | | |
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 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 | 0.01 |
| 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 Adjusted-Forecast | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 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% | | | |

*Note: Totals may include rounding differences.*

| 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 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.

*Note: Totals may include rounding differences.*

| 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 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Forecast Method** | | **Base Forecast** | | | **Forecast Adjustments** | | | **Adjusted-Forecast** | | |
| **Years** | | 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 |
| **Total** | | **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 Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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):**

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 54 | 87 | 45 | 75 | 83 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **54** | **87** | **45** | **75** | **83** |
| FTE | 0.6 | 1.0 | 0.5 | 0.7 | 0.8 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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.*

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 | 2009 | 2010 | 2011 | 2012 | 2013 |
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | 247 | 15 | 0 | 2.6 | CCTR Transf | To 2200-2444.000 | FFIGUERO20131 031103044950 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -247 | -15 | 0 | -2.6 | CCTR Transf | To 2200-2444.000 | FFIGUERO20131 031104418897 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -247 | -15 | 0 | -2.6 | CCTR Transf | To 2200-2444.000 | FFIGUERO20131 031105147117 |
| fix prior adjmt made in error | | | | | | | |
| **2009 Total** | **-247** | **-15** | **0** | **-2.6** | | | |
| | | | | | | | |
| 2010 | 247 | 0.015 | 0 | 2.6 | CCTR Transf | To 2200-2444.000 | FFIGUERO20131 031103212367 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -248 | -15 | 0 | -2.6 | CCTR Transf | To 2200-2444.000 | FFIGUERO20131 031104506163 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -247 | -0.015 | 0 | -2.6 | CCTR Transf | To 2200-2444.000 | FFIGUERO20131 031105310457 |
| fix prior admnt made in error | | | | | | | |
| **2010 Total** | **-248** | **-15** | **0** | **-2.6** | | | |

*Note: Totals may include rounding differences.*

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

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2011 | 247 | 15 | 0 | 2.6 | CCTR Transf | To 2200-2444.000 | FFIGUERO20131 031103618560 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -247 | -15 | 0 | -2.6 | CCTR Transf | To 2200-2444.000 | FFIGUERO20131 031104543813 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -247 | -15 | 0 | -2.6 | CCTR Transf | To 2200-2444.000 | FFIGUERO20131 031105407313 |
| fix adjmt made in error | | | | | | | |
| **2011 Total** | **-247** | **-15** | **0** | **-2.6** | | | |
| | | | | | | | |
| 2012 | -308 | -18 | 0 | -3.1 | CCTR Transf | To 2200-2444.000 | FFIGUERO20131 031104620837 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-308** | **-18** | **0** | **-3.1** | | | |
| | | | | | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*Note:  Totals may include rounding differences.*

| 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 Adjusted-Recorded | | | | | 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 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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.

*Note:  Totals may include rounding differences.*

| 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 Method** | | **Base Forecast** | | | **Forecast Adjustments** | | | **Adjusted-Forecast** | | | |
| **Years** | | **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 | |
| **Total** | | **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 | |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| 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) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 131 | 139 | 122 | 93 | 106 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **131** | **139** | **122** | **93** | **106** |
| FTE | 1.4 | 1.5 | 1.3 | 1.0 | 1.1 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 ehnancements 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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 Adjusted-Recorded | | | | | 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 Adjusted-Forecast | | | | | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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.

*Note: Totals may include rounding differences.*

| 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:**

| Year/Expl. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| 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 |
| **Adjustments (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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 20 | 30 | 25 | 21 | 36 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **20** | **30** | **25** | **21** | **36** |
| FTE | 0.5 | 0.3 | 0.3 | 0.3 | 0.3 |
| **Escalation to 2013$** | | | | | |
| 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 (Constant 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.*

| | |
|---|---|
| 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** | | **2009** | **2010** | **2011** | **2012** | **2013** |
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | 38 | -33 | 0 | 2.4 | 1-Sided Adj | N/A | LBROUGH201311 22143551247 |
| Adjust to 2013 Outlook (as of Nov, 2013) | | | | | | | |
| **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** | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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.** | 1,317 | 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 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.** | 1,317 | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*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 |

**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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 164 | 167 | 150 | 159 | 180 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **164** | **167** | **150** | **159** | **180** |
| FTE | 1.9 | 1.9 | 1.7 | 1.8 | 2.0 |
| **Escalation to 2013$** | | | | | |
| 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 (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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 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 | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 20 | 16 | 9 | 24 | 5 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **20** | **16** | **9** | **24** | **5** |
| FTE | 0.2 | 0.1 | 0.1 | 0.3 | 0.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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 | 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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** | -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 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% | | | |

*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 |

**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 calclulated 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 calclulated 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 calclulated 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 calclulated 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.

*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 |

**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 | 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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 85 | 2 | 14 | 17 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **85** | **2** | **14** | **17** | **0** |
| FTE | 1.1 | 0.2 | 0.1 | 0.2 | 0.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -331 | -21 | 0 | -3.0 | CCTR Transf | To 2200-2405.000 | FFIGUERO20131 031110123160 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-331** | **-21** | **0** | **-3.0** | | | |
| 2010 | -331 | -21 | 0 | -3.0 | CCTR Transf | To 2200-2405.000 | FFIGUERO20131 031111317563 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -331 | -21 | 0 | -3.0 | CCTR Transf | To 2200-2405.000 | FFIGUERO20131 031111540997 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-662** | **-42** | **0** | **-6.0** | | | |
| 2011 | -331 | -21 | 0 | -3.0 | CCTR Transf | To 2200-2405.000 | FFIGUERO20131 101095450973 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-331** | **-21** | **0** | **-3.0** | | | |
| 2012 | -380 | -24 | 0 | -3.0 | CCTR Transf | To 2200-2405.000 | FFIGUERO20131 101095603390 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |

*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 |

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

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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** | -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 Adjusted-Forecast | | | | | 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.

*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 |

**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 | -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 | |
| **Total** | | **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 | |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*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 |

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

| | 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 |
| **Adjustments (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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 96 | 122 | 14 | 61 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **96** | **122** | **14** | **61** | **0** |
| FTE | 1.3 | 1.6 | 0.5 | 1.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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 | 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:**

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -641 | -30 | 0 | -6.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031112002920 |

IT Employee Transfer from SDGE to SCG as of 2013

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2009 | -200 | -6 | 0 | -2.0 | CCTR 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 | CCTR Transf | To 2200-2047.000 | FFIGUERO20131 105154218113 |

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **-920** | **-39** | **0** | **-9.0** | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2010 | -641 | -30 | 0 | -6.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031112101933 |

IT Employee Transfer from SDGE to SCG as of 2013

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2010 | -200 | -6 | 0 | -2.0 | CCTR Transf | To 2200-2452.000 | FFIGUERO20131 105153400750 |

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

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2010 | -79 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2047.000 | FFIGUERO20131 105154247810 |

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

| **2010 Total** | **-920** | **-39** | **0** | **-9.0** | | | |
|---|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2011 | -641 | -30 | 0 | -6.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031112144720 |

IT Employee Transfer from SDGE to SCG as of 2013

| 2011 | -641 | -30 | 0 | -6.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031112232487 |
|---|---|---|---|---|---|---|---|

IT Employee Transfer from SDGE to SCG as of 2013

| 2011 | -285 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2452.000 | FFIGUERO20131 105153443183 |
|---|---|---|---|---|---|---|---|

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

| 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 Entry Error

| **2011 Total** | **-1,725** | **-75** | **0** | **-16.0** | | | |
|---|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2012 | -641 | -30 | 0 | -6.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031112327313 |

IT Employee Transfer from SDGE to SCG as of 2013

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2012 | -285 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2452.000 | FFIGUERO20131 105153529347 |

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

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2012 | -79 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2047.000 | FFIGUERO20131 105154347990 |

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

| | | | | | |
|---|---|---|---|---|---|
| **2012 Total** | **-1,005** | **-42** | **0** | **-9.0** | |

| | | | | | |
|---|---|---|---|---|---|
| **2013 Total** | **0** | **0** | **0** | **0.0** | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*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 |

**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.

*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 |

**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 | -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 |
| **Total** | | **-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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 95 | 112 | 89 | 25 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **95** | **112** | **89** | **25** | **0** |
| FTE | 1.3 | 1.5 | 1.2 | 0.3 | 0.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -299 | -15 | 0 | -3.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031113955710 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-299** | **-15** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2010 | -299 | -15 | 0 | -3.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031114143000 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-299** | **-15** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2011 | -299 | -15 | 0 | -3.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031114230427 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-299** | **-15** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2012 | -299 | 15 | 0 | -3.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031114312693 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-299** | **15** | **0** | **-3.0** | | | |

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company
2016 GRC - APP
Shared Services Workpapers

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

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|------------|-------|------|-----|-----|----------|-----------|-------|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| 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 |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 Adjusted-Recorded | | | | | 2014 Adjusted-Forecast | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 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 Adjusted-Forecast | | | | | 2016 Adjusted-Forecast | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 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.

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Forecast Method | | Base Forecast | | | Forecast Adjustments | | | Adjusted-Forecast | | |
| Years | | 2014 | 2015 | 2016 | 2014 | 2015 | 2016 | 2014 | 2015 | 2016 |
| Labor | Base YR Rec | 488 | 488 | 488 | 0 | 0 | 0 | 488 | 488 | 488 |
| Non-Labor | Base YR Rec | 365 | 365 | 365 | 0 | 0 | 0 | 365 | 365 | 365 |
| NSE | Base YR Rec | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | 853 | 853 | 853 | 0 | 0 | 0 | 853 | 853 | 853 |
| FTE | Base YR Rec | 4.6 | 4.6 | 4.6 | 0.0 | 0.0 | 0.0 | 4.6 | 4.6 | 4.6 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| 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 |
| **Adjustments (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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 39 | 33 | 35 | 56 | 67 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **39** | **33** | **35** | **56** | **67** |
| FTE | 0.6 | 0.4 | 0.4 | 0.7 | 0.7 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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
*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 | 2009 | 2010 | 2011 | 2012 | 2013 |
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -42 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2405.000 | FFIGUERO20131 031115221130 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -10 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2468.000 | FFIGUERO20131 031115706627 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | 12 | -306 | 0 | 0.4 | 1-Sided Adj | N/A | LBROUGH201311 22145638913 |
| Adjust to 2013 Outlook (as of Nov, 2013) | | | | | | | |
| **2009 Total** | **-39** | **-312** | **0** | **0.4** | | | |
| | | | | | | | |
| 2010 | -42 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2405.000 | FFIGUERO20131 031115309610 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -10 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2468.000 | FFIGUERO20131 031115920343 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-52** | **-6** | **0** | **0.0** | | | |
| | | | | | | | |
| 2011 | -42 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2405.000 | FFIGUERO20131 031115345383 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |

*Note: Totals may include rounding differences.*

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

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2011 | -20 | -6 | 0 | 0.0 | CCTR Transf | To 2200-2468.000 | FFIGUERO20131 101101030463 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-62** | **-9** | **0** | **0.0** | | | |
| | | | | | | | |
| 2012 | -42 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2405.000 | FFIGUERO20131 101100730283 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -20 | -6 | 0 | 0.0 | CCTR Transf | To 2200-2468.000 | FFIGUERO20131 101101219313 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-62** | **-9** | **0** | **0.0** | | | |
| | | | | | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

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

| | |
|---|---|
| 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 |

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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 | 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 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. | 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.

*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 |

**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 | 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 |
| Total | | 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:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
| --- | --- | --- | --- | --- | --- | --- |
| **2014 Total** | **0** | **0** | **0** | **0** | **0.0** | |
| 2015 | 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.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
| --- | --- | --- | --- | --- | --- | --- |
| **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.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
| --- | --- | --- | --- | --- | --- | --- |
| 2016 | 181 | 30 | 0 | 211 | 1.8 | 1-Sided Adj |

*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

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|

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 Total** | **362** | **60** | **0** | **422** | **3.6** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 18 | 46 | 15 | 13 | 51 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **18** | **46** | **15** | **13** | **51** |
| FTE | 0.2 | -0.3 | 0.1 | 0.1 | 0.4 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| 2010 | 227 | -24 | 0 | -2.4 | 1-Sided Adj | N/A | LBROUGH201311 22145953743 |
| Adjust to 2013 Outlook (as of Nov, 2013) | | | | | | | |
| **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** | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| Total | | 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. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 20 | -48 | 15 | 24 | 22 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **20** | **-48** | **15** | **24** | **22** |
| FTE | 0.5 | -0.3 | 0.3 | 0.3 | 0.2 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -698 | -30 | 0 | -6.0 | CCTR Transf | To 2200-2445.000 | FFIGUERO20131 031121705673 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-698** | **-30** | **0** | **-6.0** | | | |
| | | | | | | | |
| 2010 | -698 | -30 | 0 | -6.0 | CCTR Transf | To 2200-2445.000 | FFIGUERO20131 031122049517 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-698** | **-30** | **0** | **-6.0** | | | |
| | | | | | | | |
| 2011 | -754 | -33 | 0 | -7.0 | CCTR Transf | To 2200-2445.000 | FFIGUERO20131 031122157597 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-754** | **-33** | **0** | **-7.0** | | | |
| | | | | | | | |
| 2012 | -821 | -36 | 0 | -8.0 | CCTR Transf | To 2200-2445.000 | FFIGUERO20131 031122351440 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-821** | **-36** | **0** | **-8.0** | | | |

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **Years** | **2009** | **2010** | **2011** | **2012** | **2013** | **2014** | **2015** | **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 |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 Adjusted-Recorded | | | | | 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 Adjusted-Forecast | | | | | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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.

*Note: Totals may include rounding differences.*

| 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 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 | 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 |
| **Total** | | **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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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):**

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 96 | 115 | 122 | 87 | 106 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **96** | **115** | **122** | **87** | **106** |
| FTE | 1.1 | 1.3 | 1.3 | 1.2 | 1.1 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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
*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -299 | -21 | 0 | -3.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031123118437 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -42 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 101114814200 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-341** | **-24** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2010 | -299 | -21 | 0 | -3.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031123218627 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -42 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 101114858840 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-341** | **-24** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2011 | -299 | -21 | 0 | -3.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031123321693 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -42 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 101114929203 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |

*Note: Totals may include rounding differences.*

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

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2011 Total** | **-341** | **-24** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2012 | -299 | -21 | 0 | -3.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031123410370 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -42 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 101115002737 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -53 | 0 | 0 | 1.2 | 1-Sided Adj | N/A | LBROUGH201311 22150200560 |
| Adjust to 2013 Outlook (as of Nov, 2013) | | | | | | | |
| 2012 | 0 | -366 | 0 | 0.0 | 1-Sided Adj | N/A | LBROUGH201311 22150228420 |
| Adjust to 2013 Outlook (as of Nov, 2013) | | | | | | | |
| **2012 Total** | **-394** | **-390** | **0** | **-1.8** | | | |
| | | | | | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

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

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | A. Applications |
| Category-Sub | 1. Applications |
| Cost 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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 | 3,069 | 3,418 | 4,796 |
| NSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1,463 | 1,440 | 1,148 | 1,346 | 4,368 | 4,368 | 4,717 | 6,095 |
| FTE | 10.0 | 9.6 | 10.4 | 10.1 | 11.0 | 11.0 | 11.0 | 11.0 |

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company
2016 GRC - APP
Shared Services Workpapers

| | |
|---|---|
| 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 Adjusted-Recorded | | | | | 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 | 2,831 | 0 | 4,125 | 10.97 |
| **Total Incurred** | **1,299** | **3,069** | **0** | **4,368** | **11.01** | **1,299** | **3,069** | **0** | **4,368** | **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 Adjusted-Forecast | | | | | 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 | 3,180 | 0 | 4,474 | 10.97 | 1,294 | 4,558 | 0 | 5,852 | 10.97 |
| **Total Incurred** | **1,299** | **3,418** | **0** | **4,717** | **11.01** | **1,299** | **4,796** | **0** | **6,095** | **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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 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.

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 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 | 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 | 0 | 349 | 1,727 | 3,069 | 3,418 | 4,796 |
| NSE | Base YR Rec | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | 4,368 | 4,368 | 4,368 | 0 | 349 | 1,727 | 4,368 | 4,717 | 6,095 |
| FTE | Base YR Rec | 11.0 | 11.0 | 11.0 | 0.0 | 0.0 | 0.0 | 11.0 | 11.0 | 11.0 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| **2014 Total** | **0** | **0** | **0** | **0** | **0.0** | |
| 2015 | 0 | 349 | 0 | 349 | 0.0 | 1-Sided Adj |

8% escalation in 2015 & 2016 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** | **349** | **0** | **349** | **0.0** | |
| 2016 | 0 | 727 | 0 | 727 | 0.0 | 1-Sided Adj |

8% escalation in 2015 & 2016 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2016 | 0 | 1,000 | 0 | 1,000 | 0.0 | 1-Sided Adj |

Estimated contractual obligation to support Oracle database software. Estimate of incremental maintenance costs to support the User License Agreement (ULA) extension, anticipated in 2016. Growth driven by business expansion, project capitalization, and thru organic growth of existing database assets.

*Note: Totals may include rounding differences.*

Area:            INFORMATION TECHNOLOGY

Witness:         Stephen J. Mikovits

Category:        A. Applications

Category-Sub:    1. Applications

Cost Center:     2100-3091.000 - SOFTWARE DEV - DATABASE ADMINISTRATOR

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2016 Total** | **0** | **1,727** | **0** | **1,727** | **0.0** | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | A. Applications |
| Category-Sub: | 1. Applications |
| Cost 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 |
| **Adjustments (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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 131 | 134 | 140 | 143 | 178 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **131** | **134** | **140** | **143** | **178** |
| FTE | 1.4 | 1.4 | 1.5 | 1.4 | 1.6 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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.*

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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -654 | -27 | 0 | -5.0 | CCTR Transf | To 2200-2447.000 | FFIGUERO20131 031123631930 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-654** | **-27** | **0** | **-5.0** | | | |
| 2010 | -738 | -30 | 0 | -6.0 | CCTR Transf | To 2200-2447.000 | FFIGUERO20131 031123733517 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-738** | **-30** | **0** | **-6.0** | | | |
| 2011 | -738 | -30 | 0 | -6.0 | CCTR Transf | To 2200-2447.000 | FFIGUERO20131 031123833363 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-738** | **-30** | **0** | **-6.0** | | | |
| 2012 | -738 | -30 | 0 | -6.0 | CCTR Transf | To 2200-2447.000 | FFIGUERO20131 031123958550 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-738** | **-30** | **0** | **-6.0** | | | |

*Note: Totals may include rounding differences.*

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

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

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

| | |
|---|---|
| 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 |

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 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 | 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 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 | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 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.

*Note: Totals may include rounding differences.*

| 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 Method** | | **Base Forecast** | | | **Forecast Adjustments** | | | **Adjusted-Forecast** | | |
| **Years** | | 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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 78 | 37 | 32 | 44 | 75 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **78** | **37** | **32** | **44** | **75** |
| FTE | 0.8 | 0.4 | 0.4 | 0.4 | 0.8 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -167 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2446.000 | FFIGUERO20131 031124151380 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-167** | **-9** | **0** | **-2.0** | | | |
| 2010 | -167 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2446.000 | FFIGUERO20131 031124251980 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-167** | **-9** | **0** | **-2.0** | | | |
| 2011 | -213 | -12 | 0 | -2.0 | CCTR Transf | To 2200-2446.000 | FFIGUERO20131 031124340870 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-213** | **-12** | **0** | **-2.0** | | | |
| 2012 | -266 | -15 | 0 | -3.0 | CCTR Transf | To 2200-2446.000 | FFIGUERO20131 031124435723 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-266** | **-15** | **0** | **-3.0** | | | |

*Note: Totals may include rounding differences.*

| 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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|------------|-------|------|-----|-----|----------|-----------|-------|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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 | 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 Adjusted-Forecast | | | | | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| **2014 Total** | **0** | **0** | **0** | **0** | **0.0** | |
| 2015 | 184 | 20 | 0 | 204 | 1.8 | 1-Sided Adj |

2.8 incremental FTEs to support new IT initiatives  across the company  in
2015 and in 2016.  Assumes  66% O&C ratio and $100k average salary plus $10k per
employee  (3 employees  at $10k in 2015 and 2 employees  at $10k in 2016) 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 | 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 |

*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 |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|

2.8 incremental FTEs to support new IT initiatives across the company in 2015 and in 2016. Assumes 66% O&C ratio and $100k average salary plus $10k per employee (3 employees at $10k in 2015 and 2 employees at $10k in 2016) 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.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2016 | 389 | 40 | 0 | 429 | 3.9 | 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.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2016 | 184 | 20 | 0 | 204 | 1.8 | 1-Sided Adj |

2.8 incremental FTEs to support new IT initiatives across the company in 2015 and in 2016. Assumes 66% O&C ratio and $100k average salary plus $10k per employee (3 employees at $10k in 2015 and 2 employees at $10k in 2016) 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.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2016 Total** | **757** | **80** | **0** | **837** | **7.5** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 32 | 35 | 29 | 30 | 36 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **32** | **35** | **29** | **30** | **36** |
| FTE | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**Beginning of Workpaper**
**2100-3623.000 - SHARED SOFTWARE DEVELOPMENT CONTRACTS**

Area: INFORMATION TECHNOLOGY

Witness: Stephen J. Mikovits

Category: A. Applications

Category-Sub 1. Applications

Cost 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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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 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 | 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% | | | |

*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 |

**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 applicaition 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 applicaition 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 applicaition 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 applicaition usage by company is appropriate because it identifies the value that each organization is receiving from the application.

*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 |

**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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | Base YR Rec | 4,954 | 4,954 | 4,954 | 0 | 396 | 3,138 | 4,954 | 5,350 | 8,092 |
| NSE | Base YR Rec | 0 | 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 |
| 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. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| **2014 Total** | **0** | **0** | **0** | **0** | **0.0** | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2015 | 0 | 396 | 0 | 396 | 0.0 | 1-Sided Adj |

8% escalation in 2015 & 2016 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** | **396** | **0** | **396** | **0.0** | |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| 2016 | 0 | 824 | 0 | 824 | 0.0 | 1-Sided Adj |

8% escalation in 2015 & 2016 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2016 | 0 | 2,314 | 0 | 2,314 | 0.0 | 1-Sided Adj |

Contractual Obligation to support GIS system software. These costs were previously recorded in 2013 and forecasted in 2014-2015 in Electric Operations.

| **2016 Total** | **0** | **3,138** | **0** | **3,138** | **0.0** | |
|---|---|---|---|---|---|---|

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company
2016 GRC - APP
Shared Services Workpapers

| | | |
|---|---|---|
| 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) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 |
| **Recorded-Adjusted (Constant 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
*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 |

**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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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 | 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 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 | 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.

*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 |

**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 | 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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 18 | 32 | 33 | 53 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **18** | **32** | **33** | **53** | **0** |
| FTE | 0.2 | 0.3 | 0.4 | 0.6 | 0.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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 | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -138 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031145637953 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-138** | **-6** | **0** | **-1.0** | | | |
| 2010 | -138 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031145722480 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-138** | **-6** | **0** | **-1.0** | | | |
| 2011 | -138 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031145748963 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-138** | **-6** | **0** | **-1.0** | | | |
| 2012 | -138 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2451.000 | FFIGUERO20131 031145823080 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-138** | **-6** | **0** | **-1.0** | | | |

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company
2016 GRC - APP
Shared Services Workpapers

Area:            INFORMATION TECHNOLOGY

Witness:         Stephen J. Mikovits

Category:        A. Applications

Category-Sub:    1. Applications

Cost Center:     2100-3754.000 - CUSTOMER CARE PROJECT OFFICE

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|------------|-------|------|-----|-----|----------|-----------|-------|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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.** | -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 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.** | -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% | | | |

*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 |

**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 calclulated 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 customers. Envoy and MCS is used primarily by 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 calclulated 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 customers. Envoy and MCS is used primarily by 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 calclulated 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 customers. Envoy and MCS is used primarily by 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 calclulated 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 customers. Envoy and MCS is used primarily by SCG, but can be accessed by SDG&E.

*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 |

**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 | -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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company
2016 GRC - APP
Shared Services Workpapers

| | |
|---|---|
| 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):**

| | 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 |
| **Vacation & 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 (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*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 |

**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** | -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% | | | |

| | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | 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. | Labor | NLbr | 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** | |

*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 |

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

| | 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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 7 | 17 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **7** | **17** |
| FTE | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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 | 0.19 | 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 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.** | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 | |
| **Total** | | **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. | Labor | NLbr | 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** | |

*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 | | | |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (Nominal $)*** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 16 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **16** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| **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 | 16 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **16** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 3 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **3** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 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 | 18 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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. | 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% | | | |

*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 |

**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.

*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 |

**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 | 415 | 415 | 415 | 0 | 66 | 132 | 415 | 481 | 547 |
| Non-Labor | Base YR Rec | 64 | 64 | 64 | 0 | 190 | 195 | 64 | 254 | 259 |
| NSE | Base YR Rec | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | 479 | 479 | 479 | 0 | 256 | 327 | 479 | 735 | 806 |
| FTE | Base YR Rec | 4.5 | 4.5 | 4.5 | 0.0 | 0.7 | 1.4 | 4.5 | 5.2 | 5.9 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| **2014 Total** | **0** | **0** | **0** | **0** | **0.0** | |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 2015 | 16 | 10 | 0 | 26 | 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 and average O&C labor ratio for the base year.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2015 | 50 | 5 | 0 | 55 | 0.5 | 1-Sided Adj |

1 FTE at $100k per employee and $10k per employee in associated NL costs (1 employee)
starting halfway through 2015 and into 2016 for production support of collaboration tools,
including SharePoint.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2015 | 0 | 175 | 0 | 175 | 0.0 | 1-Sided Adj |

Estimated annual cost of professional services contracted through Microsoft for implementing
incremental SharePoint tools and features.

| | | | | | | |
|---|---|---|---|---|---|---|
| **2015 Total** | **66** | **190** | **0** | **256** | **0.7** | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2016 | 16 | 10 | 0 | 26 | 0.2 | 1-Sided Adj |

*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

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|

.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 and average O&C labor ratio for the base year.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2016 | 100 | 10 | 0 | 110 | 1.0 | 1-Sided Adj |

1 FTE at $100k per employee and $10k per employee in associated NL costs (1 employee)
starting halfway through 2015 and into 2016 for production support of collaboration tools,
including SharePoint.

| 2016 | 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 and average O&C labor ratio for the base year.

| 2016 | 0 | 175 | 0 | 175 | 0.0 | 1-Sided Adj |

Estimated annual cost of professional services contracted through Microsoft for implementing
incremental SharePoint tools and features.

| 2016 Total | 132 | 195 | 0 | 327 | 1.4 | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 39 | 28 | 41 | 57 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **39** | **28** | **41** | **57** |
| FTE | 0.0 | 0.5 | 0.4 | 0.6 | 0.7 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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 | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| 2010 | -200 | -6 | 0 | -2.0 | CCTR Transf | To 2200-2452.000 | FFIGUERO20131031150523280 |

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 | -285 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2452.000 | FFIGUERO20131031150610683 |

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **2011 Total** | **-285** | **-9** | **0** | **-2.0** | | | |
| 2012 | -285 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2452.000 | FFIGUERO20131031150728843 |

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **2012 Total** | **-285** | **-9** | **0** | **-2.0** | | | |

*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

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|------------|-------|------|-----|-----|----------|-----------|-------|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

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

**Summary for Category: B. Infrastructure**

| | In 2013$ (000) Incurred Costs | | | |
|---|---|---|---|---|
| | **Adjusted-Recorded** | **Adjusted-Forecast** | | |
| | **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 TELECOM 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 NETORK COMMUNICATION SERVICES 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 NETWORK 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 |

**2100-3097.000 CLIENT TECHNOLOGY & DEPOT SERVICES**

| | | | | |
|---|---|---|---|---|
| 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 |

**2100-3098.000 ENTERPRISE 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 |

*Note: Totals may include rounding differences.*

| 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 DESKTOP HARDWARE** | | | | |
| Labor | 0 | 0 | 0 | 0 |
| Non-Labor | 596 | 188 | 203 | 219 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **596** | **188** | **203** | **219** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 |
| **2100-3100.000 MIDDLEWARE AND INTERNET ENGINEERING** | | | | |
| 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 CONTRACT SERVICES** | | | | |
| Labor | 0 | 0 | 0 | 0 |
| Non-Labor | 12,114 | 8,904 | 9,616 | 10,385 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **12,114** | **8,904** | **9,616** | **10,385** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 |
| **2100-3105.000 STORAGE  AND ADMINISTRATION** | | | | |
| Labor | 14 | 14 | 14 | 14 |
| Non-Labor | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **14** | **14** | **14** | **14** |
| FTE | 0.2 | 0.2 | 0.2 | 0.2 |
| **2100-3106.000 NETWORK/TELECOM SERVICES - SDG&E** | | | | |
| Labor | 0 | 0 | 0 | 0 |
| Non-Labor | 5,842 | 6,408 | 6,921 | 7,475 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **5,842** | **6,408** | **6,921** | **7,475** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 |
| **2100-3107.000 ENTERPRISE OPERATIONS** | | | | |
| Labor | 1,002 | 1,002 | 1,002 | 1,002 |
| Non-Labor | 129 | 129 | 129 | 129 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **1,131** | **1,131** | **1,131** | **1,131** |
| FTE | 10.6 | 10.6 | 10.6 | 10.6 |
| **2100-3334.000 SERVER MANAGEMENT** | | | | |
| Labor | 762 | 762 | 762 | 762 |
| Non-Labor | 76 | 76 | 76 | 76 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **838** | **838** | **838** | **838** |
| FTE | 8.3 | 8.3 | 8.3 | 8.3 |

*Note:  Totals may include rounding differences.*

| 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 DISTRIBUTED 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 MAINFRAME CONTRACTS** | | | | |
| 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 INFRASTRUCTURE PROGRAM OFFICE** | | | | |
| 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 NETWORK FIELD - LAN/WAN VOICE** | | | | |
| 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 NETWORK HARDWARE SOFTWARE MAINTENANCE** | | | | |
| 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 |
| **2100-3502.000 ENTERPRISE COMMAND CENTER** | | | | |
| Labor | 1,842 | 1,842 | 1,842 | 1,842 |
| Non-Labor | 66 | 66 | 66 | 66 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **1,908** | **1,908** | **1,908** | **1,908** |
| FTE | 22.5 | 22.5 | 22.5 | 22.5 |

*Note: Totals may include rounding differences.*

| 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 WINTEL 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 |
| **2100-3548.000 ENT SVC 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 PROJECT 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 PROJECT 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 SERVICE 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 SERVICE DEVELOPMENT PROGRAM 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 INFRAST 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 |

*Note: Totals may include rounding differences.*

| | | |
|---|---|---|
| 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 CLINT 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 VOICE 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 PERSONAL OWNED DEVICE ALLOWANCE** | | | | |
| Labor | 0 | 0 | 0 | 0 |
| Non-Labor | 327 | 528 | 570 | 616 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **327** | **528** | **570** | **616** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 |
| **2100-3884.000 MGD SVC VOICE ENTERP** | | | | |
| 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 |
| **2100-3885.000 VOICE ENTERP SUPPORT** | | | | |
| Labor | 426 | 426 | 426 | 426 |
| Non-Labor | 4 | 4 | 4 | 4 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **430** | **430** | **430** | **430** |
| FTE | 3.7 | 3.7 | 3.7 | 3.7 |

*Note: Totals may include rounding differences.*

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 |
| **2100-3888.000 CLIENT 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 PORTFOLIO MANAGEMENT** | | | | |
| Labor | 89 | 89 | 157 | 225 |
| Non-Labor | 6 | 363 | 628 | 643 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **95** | **452** | **785** | **868** |
| FTE | 0.6 | 0.6 | 1.3 | 2.1 |
| **2100-4003.000 IT Communications** | | | | |
| 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 |

*Note: Totals may include rounding differences.*

**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:**

| | 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 |

*Note: Totals may include rounding differences.*

| 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 Adjusted-Forecast | | | | | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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.

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 Method | | Base Forecast | | | Forecast Adjustments | | | Adjusted-Forecast | | |
| Years | | 2014 | 2015 | 2016 | 2014 | 2015 | 2016 | 2014 | 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 |
| Total | | 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. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|

*Note:  Totals may include rounding differences.*

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. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|

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.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2016 Total** | **0** | **270** | **0** | **270** | **0.0** | |

*Note:  Totals may include rounding differences.*

| 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) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 154 | 140 | 130 | 150 | 252 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **154** | **140** | **130** | **150** | **252** |
| FTE | 1.9 | 1.7 | 1.6 | 1.7 | 2.8 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| Years | 2009 | 2010 | 2011 | 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 |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 Adjusted-Recorded | | | | | 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 | 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 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 | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 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.

*Note: Totals may include rounding differences.*

| 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 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 | 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 |
| **Total** | | **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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| **2014 Total** | **0** | **0** | **0** | **0** | **0.0** | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2015 | 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| 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 |

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.

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

*Note: Totals may include rounding differences.*

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. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|------------|-------|------|-----|-------|-----|----------|
| 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 |

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.

| 2016 Total | 833 | 260 | 0 | 1,093 | 8.4 | |
|------------|-----|-----|---|-------|-----|---|

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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):**

| | 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 |
| **Adjustments (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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 19 | 23 | 12 | -3 | 19 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **19** | **23** | **12** | **-3** | **19** |
| FTE | 0.2 | 0.2 | 0.1 | -0.1 | 0.2 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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 | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -147 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2406.000 | FFIGUERO20131 031124855210 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-147** | **-3** | **0** | **-1.0** | | | |
| | | | | | | | |
| 2010 | -147 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2406.000 | FFIGUERO20131 031124948890 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-147** | **-3** | **0** | **-1.0** | | | |
| | | | | | | | |
| 2011 | -147 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2406.000 | FFIGUERO20131 031125050277 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-147** | **-3** | **0** | **-1.0** | | | |
| | | | | | | | |
| 2012 | -191 | -6 | 0 | -2.0 | CCTR Transf | To 2200-2406.000 | FFIGUERO20131 031125149367 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-191** | **-6** | **0** | **-2.0** | | | |

*Note: Totals may include rounding differences.*

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. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|------------|-------|------|-----|-----|----------|-----------|-------|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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 | 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 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 | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 157 | 220 | 193 | 38 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **157** | **220** | **193** | **38** | **0** |
| FTE | 1.8 | 2.6 | 2.2 | 0.3 | 0.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -205 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031125613230 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -51 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2469.000 | FFIGUERO20131 031130150060 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-256** | **-12** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2010 | -205 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031125705807 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -51 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2469.000 | FFIGUERO20131 031130237263 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-256** | **-12** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2011 | -80 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2456.000 | FFIGUERO20131 031125343227 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -205 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031125755013 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2011 | -51 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2469.000 | FFIGUERO20131 031130322230 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-336** | **-15** | **0** | **-4.0** | | | |
| | | | | | | | |
| 2012 | -80 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2456.000 | FFIGUERO20131 031125436653 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -205 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031130022963 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -51 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2469.000 | FFIGUERO20131 031130358000 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-336** | **-15** | **0** | **-4.0** | | | |
| | | | | | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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** | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | 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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

## San Diego Gas & Electric Company
## 2016 GRC - APP
## Shared Services Workpapers

| | |
|---|---|
| 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) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 127 | 150 | 101 | 99 | 110 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **127** | **150** | **101** | **99** | **110** |
| FTE | 2.0 | 2.4 | 1.6 | 1.4 | 1.4 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -171 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2453.000 | FFIGUERO20131 031130522650 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -89 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031131009230 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-260** | **-12** | **0** | **-3.0** | | | |
| 2010 | -171 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2453.000 | FFIGUERO20131 031130632553 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -89 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031131110390 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-260** | **-12** | **0** | **-3.0** | | | |
| 2011 | -171 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2453.000 | FFIGUERO20131 031130741580 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -89 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031131146817 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2011 Total** | **-260** | **-12** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2012 | -171 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2453.000 | FFIGUERO20131 031130856620 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -89 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031131231513 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-260** | **-12** | **0** | **-3.0** | | | |
| | | | | | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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.** | 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**

*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 |

**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 | 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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 25 | 29 | 40 | 62 | 5 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **25** | **29** | **40** | **62** | **5** |
| FTE | 0.3 | 0.4 | 0.5 | 0.7 | 0.1 |
| **Escalation to 2013$** | | | | | |
| 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 (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -77 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031131349057 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -246 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031131811980 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-323** | **-12** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2010 | -77 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031131431060 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -246 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031131848607 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-323** | **-12** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2011 | -77 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031131548537 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -246 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031131941277 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2011 Total** | **-323** | **-12** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2012 | -77 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031131649047 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -246 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031132045847 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-323** | **-12** | **0** | **-3.0** | | | |
| | | | | | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 Adjusted-Recorded | | | | | 2014 Adjusted-Forecast | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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.

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | B. Infrastructure |
| Category-Sub: | 1. Infrastructure |
| Cost Center: | 2100-3099.000 - DESKTOP HARDWARE |

**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 | 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 |
| **Total** | | **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:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 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 |

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 |

*Note:  Totals may include rounding differences.*

Area:               INFORMATION TECHNOLOGY

Witness:            Stephen J. Mikovits

Category:           B. Infrastructure

Category-Sub:       1. Infrastructure

Cost Center:        2100-3099.000 - DESKTOP HARDWARE

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|

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.

| 2015 | 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.

| 2015 | 0 | -43 | 0 | -43 | 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.

| **2015 Total** | **0** | **-393** | **0** | **-393** | **0.0** | |

| 2016 | 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.

| 2016 | 0 | -27 | 0 | -27 | 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.

| 2016 | 0 | -200 | 0 | -200 | 0.0 | 1-Sided Adj |

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | B. Infrastructure |
| Category-Sub: | 1. Infrastructure |
| Cost Center: | 2100-3099.000 - DESKTOP HARDWARE |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|

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.

| | | | | | | |
|---|---|---|---|---|---|---|
| **2016 Total** | **0** | **-377** | **0** | **-377** | **0.0** | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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** | 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 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** | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | **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. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 158 | 165 | 138 | 120 | 146 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **158** | **165** | **138** | **120** | **146** |
| FTE | 1.7 | 1.8 | 1.5 | 1.3 | 1.5 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -73 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031132210050 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -65 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031132649260 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -46 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2467.000 | FFIGUERO20131 031133016723 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-184** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| 2010 | -73 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031132257350 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -65 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031132728263 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -46 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2467.000 | FFIGUERO20131 031133103660 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-184** | **-9** | **0** | **-2.0** | | | |

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2011 | -73 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031132407967 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -65 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031132814997 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -46 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2467.000 | FFIGUERO20131 031133131180 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-184** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| 2012 | -73 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031132451657 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -65 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031132854500 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -46 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2467.000 | FFIGUERO20131 031133207213 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-184** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*Note: Totals may include rounding differences.*

| 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 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 | 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% | | | |

*Note: Totals may include rounding differences.*

| 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.

*Note: Totals may include rounding differences.*

| 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 Method** | | **Base Forecast** | | | **Forecast Adjustments** | | | **Adjusted-Forecast** | | |
| **Years** | | **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 |
| **Total** | | **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. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 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 |

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.

*Note:  Totals may include rounding differences.*

Area:          INFORMATION TECHNOLOGY

Witness:      Stephen J. Mikovits

Category:     B. Infrastructure

Category-Sub:  1. Infrastructure

Cost Center:   2100-3103.000 - CSC CONTRACT SERVICES

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2015 Total** | **0** | **-2,498** | **0** | **-2,498** | **0.0** | |
| | | | | | | |
| 2016 | 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2016 | 0 | 712 | 0 | 712 | 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2016 | 0 | 769 | 0 | 769 | 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| **2016 Total** | **0** | **-1,729** | **0** | **-1,729** | **0.0** | |

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company
2016 GRC - APP
Shared Services Workpapers

| | | |
|---|---|---|
| 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):**

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*Note:  Totals may include rounding differences.*

| 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 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.** | 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 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.** | 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% | | | |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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.

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Forecast Method** | | **Base Forecast** | | | **Forecast Adjustments** | | | **Adjusted-Forecast** | | |
| **Years** | | **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 |
| **Total** | | **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 | NLbr | 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** | |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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):**

| | 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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & 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 (Constant 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.*

| | |
|---|---|
| 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 | 2009 | 2010 | 2011 | 2012 | 2013 |
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -71 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031134104543 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -70 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031134557253 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -69 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031134859597 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-211** | **-9** | **0** | **-3.0** | | | |
| 2010 | -71 | -0.001 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031134141490 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -70 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031134629943 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -69 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031134939137 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-211** | **-6** | **0** | **-3.0** | | | |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | B. Infrastructure |
| Category-Sub: | 1. Infrastructure |
| Cost Center: | 2100-3105.000 - STORAGE  AND ADMINISTRATION |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2011 | -71 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031134338783 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -70 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031134713830 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -69 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031135010527 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-211** | **-9** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2012 | -71 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031134441540 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -70 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031134756100 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -69 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031135039310 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-211** | **-9** | **0** | **-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$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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 | 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 Adjusted-Forecast | | | | | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| Total | | 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:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|

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.

*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 |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2015 Total** | **0** | **1,079** | **0** | **1,079** | **0.0** | |
| 2016 | 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.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2016 | 0 | 513 | 0 | 513 | 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.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2016 | 0 | 554 | 0 | 554 | 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.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2016 Total** | **0** | **1,633** | **0** | **1,633** | **0.0** | |

*Note: Totals may include rounding differences.*

# San Diego Gas & Electric Company
## 2016 GRC - APP
## Shared Services Workpapers

| | |
|---|---|
| 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) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | 0 | 502 | 0 | 0.0 | CCTR Transf | From 2100-0042.000 | CSCHRAMM2013 1025164552620 |

Transfer 2009 telemetry non-labor expenses from Advanced Meter Operations - Work Group 1OO000.000 cost center 2100-0042  to Information Technology  USS cost center 2100-3106 (NETWORK/TELECOM SERVICES - SDG&E).

| **2009 Total** | **0** | **502** | **0** | **0.0** | | | |

| 2010 | 0 | 568 | 0 | 0.0 | CCTR Transf | From 2100-0042.000 | CSCHRAMM2013 1025164738520 |

Transfer 2010 telemetry non-labor expenses from Advanced Meter Operations - Work Group 1OO000.000 cost center 2100-0042  to Information Technology  USS cost center 2100-3106 (NETWORK/TELECOM SERVICES - SDG&E).

| **2010 Total** | **0** | **568** | **0** | **0.0** | | | |

| 2011 | 0 | 588 | 0 | 0.0 | CCTR Transf | From 2100-0042.000 | CSCHRAMM2013 1025164818390 |

Transfer 2011 telemetry non-labor expenses from Advanced Meter Operations - Work Group 1OO000.000 cost center 2100-0042  to Information Technology  USS cost center 2100-3106 (NETWORK/TELECOM SERVICES - SDG&E).

| **2011 Total** | **0** | **588** | **0** | **0.0** | | | |

| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note:  Totals may include rounding differences.*

San Diego Gas & Electric Company
2016 GRC - APP
Shared Services Workpapers

| | |
|---|---|
| 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 | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 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** | 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 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** | 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% | | | |

*Note: Totals may include rounding differences.*

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.

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 Method** | | **Base Forecast** | | | **Forecast Adjustments** | | | **Adjusted-Forecast** | | |
| **Years** | | **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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*Note:  Totals may include rounding differences.*

| 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):**

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 72 | 90 | 96 | 87 | 137 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **72** | **90** | **96** | **87** | **137** |
| FTE | 0.9 | 1.1 | 1.2 | 1.1 | 1.6 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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
*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -236 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031135205817 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -62 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031135501147 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-297** | **-12** | **0** | **-3.0** | | | |
| 2010 | -236 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031135241240 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -62 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031135539200 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-297** | **-12** | **0** | **-3.0** | | | |
| 2011 | -236 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031135330593 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -62 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031135602730 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | B. Infrastructure |
| Category-Sub: | 1. Infrastructure |
| Cost Center: | 2100-3107.000 - ENTERPRISE OPERATIONS |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2011 Total** | **-297** | **-12** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2012 | -236 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031135409890 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -62 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031135635500 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-297** | **-12** | **0** | **-3.0** | | | |
| | | | | | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 Adjusted-Recorded | | | | | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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.

*Note:  Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
|---|---|
| Witness: | Stephen J. Mikovits |
| Category: | B. Infrastructure |
| Category-Sub: | 1. Infrastructure |
| Cost Center: | 2100-3334.000 - SERVER MANAGEMENT |

**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 | 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 |
| **Total** | | **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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | B. Infrastructure |
| Category-Sub: | 1. Infrastructure |
| Cost Center: | 2100-3334.000 - SERVER MANAGEMENT |

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

| | 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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 52 | 57 | 52 | 104 | 104 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **52** | **57** | **52** | **104** | **104** |
| FTE | 0.7 | 0.7 | 0.6 | 1.2 | 1.2 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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
*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 | 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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** | 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 Adjusted-Forecast | | | | | 2016 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% | | | |

*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 |

**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.

*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 |

**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 | 30 | 30 | 30 | 0 | 0 | 0 | 30 | 30 | 30 |
| Non-Labor | Base YR Rec | 20 | 20 | 20 | 0 | 0 | 0 | 20 | 20 | 20 |
| NSE | Base YR Rec | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | | **50** | **50** | **50** | **0** | **0** | **0** | **50** | **50** | **50** |
| FTE | Base YR Rec | 0.3 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company
2016 GRC - APP
Shared Services Workpapers

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | B. Infrastructure |
| Category-Sub: | 1. Infrastructure |
| Cost Center: | 2100-3335.000 - UNIX SERVER GROUP |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 56 | 49 | 20 | 29 | 4 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **56** | **49** | **20** | **29** | **4** |
| FTE | 0.7 | 0.6 | 0.2 | 0.3 | 0.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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 | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -94 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031135728137 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -141 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031140319237 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -103 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2467.000 | FFIGUERO20131 031140611170 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-338** | **-15** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2010 | -94 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031135840770 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -141 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031140405447 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -103 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2467.000 | FFIGUERO20131 031140651547 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-338** | **-15** | **0** | **-3.0** | | | |

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2011 | -94 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031135921700 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -72 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031140151833 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -141 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031140443080 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -103 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2467.000 | FFIGUERO20131 031140722197 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-410** | **-18** | **0** | **-4.0** | | | |
| 2012 | -94 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031140009180 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -72 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2464.000 | FFIGUERO20131 031140226983 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -141 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031140515767 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -103 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2467.000 | FFIGUERO20131 031140756083 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-410** | **-18** | **0** | **-4.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note:  Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*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 |

**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 | 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 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 | 4,972 | 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% | | | |

*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

**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.

*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 |

**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 | 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 |
| **Total** | | **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. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|

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.

*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 | | | | | |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2015 Total** | **0** | **1,740** | **0** | **1,740** | **0.0** | |
| 2016 | 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.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2016 | 0 | 368 | 0 | 368 | 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.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2016 | 0 | 398 | 0 | 398 | 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.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2016 Total** | **0** | **2,138** | **0** | **2,138** | **0.0** | |

*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 |

**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 | 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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*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 |

**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 | 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 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 | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| Total | | 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. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 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 |

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.

*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 | | | | | |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2015 Total** | **0** | **862** | **0** | **862** | **0.0** | |
| 2016 | 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2016 | 0 | 486 | 0 | 486 | 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2016 | 0 | 525 | 0 | 525 | 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| **2016 Total** | **0** | **1,387** | **0** | **1,387** | **0.0** | |

*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 |

**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 | 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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*Note:  Totals may include rounding differences.*

| 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 Adjusted-Recorded | | | | | 2014 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 | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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.

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
|---|---|
| Witness: | Stephen J. Mikovits |
| Category: | B. Infrastructure |
| Category-Sub: | 1. Infrastructure |
| Cost Center: | 2100-3498.000 - INFRASTRUCTURE PROGRAM 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 | 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 |
| **Total** | | **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 Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| 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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 79 | 75 | 10 | 16 | 39 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **79** | **75** | **10** | **16** | **39** |
| FTE | 0.8 | 0.7 | 0.1 | 0.1 | 0.3 |
| **Escalation to 2013$** | | | | | |
| 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 (Constant 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
*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 | 2009 | 2010 | 2011 | 2012 | 2013 |
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -110 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2495.000 | FFIGUERO20131 031141004447 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-110** | **-3** | **0** | **-1.0** | | | |
| | | | | | | | |
| 2010 | -110 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2495.000 | FFIGUERO20131 031141110753 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-110** | **-3** | **0** | **-1.0** | | | |
| | | | | | | | |
| 2011 | -110 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2495.000 | FFIGUERO20131 031141238353 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-110** | **-3** | **0** | **-1.0** | | | |
| | | | | | | | |
| 2012 | -110 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2495.000 | FFIGUERO20131 031141331593 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-110** | **-3** | **0** | **-1.0** | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | B. Infrastructure |
| Category-Sub: | 1. Infrastructure |
| Cost Center: | 2100-3498.000 - INFRASTRUCTURE PROGRAM OFFICE |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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):**

| | 2013 Adjusted-Recorded | | | | | 2014 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 | 41.63% | 41.63% | | | | 38.31% | 38.31% | | | |
| SEU | 53.17% | 53.17% | | | | 55.65% | 55.65% | | | |
| CORP | 4.27% | 4.27% | | | | 4.16% | 4.16% | | | |
| Unreg | 0.93% | 0.93% | | | | 1.88% | 1.88% | | | |

| | 2015 Adjusted-Forecast | | | | | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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**

*Note:  Totals may include rounding differences.*

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

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.

*Note:  Totals may include rounding differences.*

| 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 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Forecast Method** | | **Base Forecast** | | | **Forecast Adjustments** | | | **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 |
| Total | | 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. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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):**

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 48 | 16 | 22 | 41 | 42 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **48** | **16** | **22** | **41** | **42** |
| FTE | 0.6 | 0.2 | 0.3 | 0.5 | 0.6 |
| **Escalation to 2013$** | | | | | |
| Labor | 34 | 8 | 7 | 6 | 0 |
| Non-Labor | 10 | 4 | 3 | 2 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **44** | **12** | **10** | **7** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Recorded-Adjusted (Constant 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
*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -418 | -18 | 0 | -5.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031141516903 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-418** | **-18** | **0** | **-5.0** | | | |
| | | | | | | | |
| 2010 | -468 | -21 | 0 | -6.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031141610440 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-468** | **-21** | **0** | **-6.0** | | | |
| | | | | | | | |
| 2011 | -468 | -21 | 0 | -6.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031141654003 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-468** | **-21** | **0** | **-6.0** | | | |
| | | | | | | | |
| 2012 | -468 | -21 | 0 | -6.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031141726467 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-468** | **-21** | **0** | **-6.0** | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 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 | 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 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 | 1,161 | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 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.

*Note: Totals may include rounding differences.*

| 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 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 | 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 |
| **Total** | | **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. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|

*Note:  Totals may include rounding differences.*

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.

| **2016 Total** | **0** | **188** | **0** | **188** | **0.0** | |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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 | 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | 0 | 48 | 0 | 0.0 | CCTR 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** | | | |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2010 | 0 | 50 | 0 | 0.0 | CCTR Transf | From 2100-0042.000 | CSCHRAMM2013 1107090811827 |

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.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **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** | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*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 |

**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** | 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% | | | |

*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 |

**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.

*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 |

**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 | 1,842 | 1,842 | 1,842 | 0 | 0 | 0 | 1,842 | 1,842 | 1,842 |
| Non-Labor | Base YR Rec | 66 | 66 | 66 | 0 | 0 | 0 | 66 | 66 | 66 |
| NSE | Base YR Rec | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | | **1,909** | **1,909** | **1,909** | **0** | **0** | **0** | **1,909** | **1,909** | **1,909** |
| FTE | Base YR Rec | 22.5 | 22.5 | 22.5 | 0.0 | 0.0 | 0.0 | 22.5 | 22.5 | 22.5 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 210 | 205 | 247 | 235 | 252 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **210** | **205** | **247** | **235** | **252** |
| FTE | 2.9 | 2.9 | 3.5 | 3.2 | 3.4 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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 | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -96 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2456.000 | FFIGUERO20131 031141825697 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-96** | **-3** | **0** | **-1.0** | | | |
| 2010 | -96 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2456.000 | FFIGUERO20131 031141901040 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-96** | **-3** | **0** | **-1.0** | | | |
| 2011 | -96 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2456.000 | FFIGUERO20131 031141945323 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-96** | **-3** | **0** | **-1.0** | | | |
| 2012 | -96 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2456.000 | FFIGUERO20131 031142021560 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-96** | **-3** | **0** | **-1.0** | | | |

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company
2016 GRC - APP
Shared Services Workpapers

Area:            INFORMATION TECHNOLOGY

Witness:         Stephen J. Mikovits

Category:        B. Infrastructure

Category-Sub:    1. Infrastructure

Cost Center:     2100-3502.000 - ENTERPRISE COMMAND CENTER

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|------------|-------|------|-----|-----|----------|-----------|-------|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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** | **2015** | **2016** |
| 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 |

*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 |

**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** | 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 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.** | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*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 |

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

| | 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 |
| **Adjustments (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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & 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 (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -130 | -6 | 0 | -2.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031142137857 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -341 | -18 | 0 | -4.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031142444913 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-471** | **-24** | **0** | **-6.0** | | | |
| 2010 | -130 | -6 | 0 | -2.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031142204917 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -341 | -18 | 0 | -4.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031142517240 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-471** | **-24** | **0** | **-6.0** | | | |
| 2011 | -130 | -6 | 0 | -2.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031142258927 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -341 | -18 | 0 | -4.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031142547520 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |

*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

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2011 Total** | **-471** | **-24** | **0** | **-6.0** | | | |
| | | | | | | | |
| 2012 | -130 | -6 | 0 | -2.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031142328063 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -341 | -18 | 0 | -4.0 | CCTR Transf | To 2200-2466.000 | FFIGUERO20131 031142611167 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-471** | **-24** | **0** | **-6.0** | | | |
| | | | | | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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.** | 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% | | | |

*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 |

**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.

*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

**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 | 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 | |
| **Total** | | **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 | |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 60 | 66 | 71 | 74 | 22 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **60** | **66** | **71** | **74** | **22** |
| FTE | 0.8 | 0.9 | 0.9 | 0.9 | 0.3 |
| **Escalation to 2013$** | | | | | |
| 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 (Constant 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.*

# San Diego Gas & Electric Company
## 2016 GRC - APP
## Shared Services Workpapers

| | |
|---|---|
| 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:**

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -226 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031142727327 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-226** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| 2010 | -226 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031142810107 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-226** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| 2011 | -226 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031142851530 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-226** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| 2012 | -226 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031142920657 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-226** | **-9** | **0** | **-2.0** | | | |

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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 | 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 Adjusted-Forecast | | | | | 2016 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 | 91.37% | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **321** | **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 | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 14 | 3 | 0 | -1 | 41 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **14** | **3** | **0** | **-1** | **41** |
| FTE | 0.2 | 0.0 | 0.0 | -0.1 | 0.4 |
| **Escalation to 2013$** | | | | | |
| 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 (Constant 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 | 2009 | 2010 | 2011 | 2012 | 2013 |
| 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 | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -105 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031143105737 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-105** | **-3** | **0** | **-1.0** | | | |
| | | | | | | | |
| 2010 | -105 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031143159047 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-105** | **-3** | **0** | **-1.0** | | | |
| | | | | | | | |
| 2011 | -105 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031143241693 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-105** | **-3** | **0** | **-1.0** | | | |
| | | | | | | | |
| 2012 | -105 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2463.000 | FFIGUERO20131 031143321297 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-105** | **-3** | **0** | **-1.0** | | | |

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 Adjusted-Recorded | | | | | 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 Adjusted-Forecast | | | | | 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% | | | |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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.

*Note: Totals may include rounding differences.*

| 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 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Forecast Method** | | **Base Forecast** | | | **Forecast Adjustments** | | | **Adjusted-Forecast** | | |
| **Years** | | 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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| 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):**

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 34 | 23 | 16 | 101 | 131 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **34** | **23** | **16** | **101** | **131** |
| FTE | 0.5 | 0.3 | 0.2 | 1.2 | 1.5 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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** | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 114 | 148 | 143 | 140 | 49 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **114** | **148** | **143** | **140** | **49** |
| FTE | 1.5 | 1.8 | 1.9 | 1.8 | 0.6 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -66 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031144047087 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -64 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2458.000 | FFIGUERO20131 031144408893 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -92 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2460.000 | FFIGUERO20131 031144654407 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -50 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031144918833 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-272** | **-12** | **0** | **-3.0** | | | |
| | | | | | | | |
| 2010 | -66 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031144117480 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -64 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2458.000 | FFIGUERO20131 031144439237 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -92 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2460.000 | FFIGUERO20131 031144724570 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |

*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

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2010 | -50 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031145004490 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-272** | **-12** | **0** | **-3.0** | | | |
| 2011 | -66 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031144157123 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -64 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2458.000 | FFIGUERO20131 031144523160 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -92 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2460.000 | FFIGUERO20131 031144800343 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -50 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031145039010 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-272** | **-12** | **0** | **-3.0** | | | |
| 2012 | -66 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2455.000 | FFIGUERO20131 031144255113 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -64 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2458.000 | FFIGUERO20131 031144554233 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -92 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2460.000 | FFIGUERO20131 031144831660 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | -50 | -3 | 0 | 0.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031145105477 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-272** | **-12** | **0** | **-3.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 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.** | 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.

*Note: Totals may include rounding differences.*

| 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 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 | -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 |
| **Total** | | **-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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj  Type |
|---|---|---|---|---|---|---|
| **2014 Total** | **0** | **0** | **0** | **0** | **0.0** | |

| 2015 | 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.

| 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.

*Note:  Totals may include rounding differences.*

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. | Labor | NLbr | NSE | Total | 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.

| 2016 Total | 438 | 40 | 0 | 478 | 4.3 | |
|---|---|---|---|---|---|---|

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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):**

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 38 | 90 | 98 | 120 | -1 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **38** | **90** | **98** | **120** | **-1** |
| FTE | 0.4 | 1.0 | 1.1 | 1.3 | 0.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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
*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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** | 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 Adjusted-Forecast | | | | | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **217** | **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:**

| Year/Expl. | Labor | NLbr | 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** | |

*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 |

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

| | 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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 49 | 47 | 28 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **49** | **47** | **28** |
| FTE | 0.0 | 0.0 | 0.5 | 0.4 | 0.2 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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 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 | 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% | | | |

*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

**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.

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company
2016 GRC - APP
Shared Services Workpapers

| | |
|---|---|
| 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 Method** | | **Base Forecast** | | | **Forecast Adjustments** | | | **Adjusted-Forecast** | | |
| **Years** | | **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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*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 | |

**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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 27 | 84 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **27** | **84** | **0** |
| FTE | 0.0 | 0.0 | 0.3 | 1.1 | 0.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | 1 | 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. | Labor | NLbr | 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** | |

*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 | |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 60 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **60** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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% | | | |

*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 |

**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**

*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 |

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.

*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 |

**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 | 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 |
| **Total** | | **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:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 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** | |
|---|---|---|---|---|---|---|

| 2015 | 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.

| 2015 | 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.

*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

| Year/Expl. | Labor | NLbr | NSE | Total | 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 |

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.

| | | | | | | |
|---|---|---|---|---|---|---|
| **2016 Total** | **0** | **-206** | **0** | **-206** | **0.0** | |

*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 |

**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 | 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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| 2012 | 0 | 2,660 | 0 | 0.0 | CCTR Transf | From 2100-3857.000 | MPEREIRA20140 423160209237 |
| Internal reorganizational changes to monitor contract costs. Moved costs to 2100-3855. | | | | | | | |
| **2012 Total** | **0** | **2,660** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 | 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 |

*Note: Totals may include rounding differences.*

| 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% | | | |

*Note: Totals may include rounding differences.*

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 for the allocation 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 for the allocation of costs to SDGE, SCG, and Parent.

**Cost Center Allocation Percentage for 2016**

*Note:  Totals may include rounding differences.*

Area: INFORMATION TECHNOLOGY

Witness: Stephen J. Mikovits

Category: B. Infrastructure

Category-Sub: 1. Infrastructure

Cost 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 for the allocation of costs to SDGE, SCG, and Parent.

*Note: Totals may include rounding differences.*

| 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 Method** | | **Base Forecast** | | | **Forecast Adjustments** | | | **Adjusted-Forecast** | | |
| **Years** | | **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 |
| **Total** | | **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. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 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.

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | B. Infrastructure |
| Category-Sub: | 1. Infrastructure |
| Cost Center: | 2100-3856.000 - VOICE LEASED CIRCUITS |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2015 Total** | **0** | **255** | **0** | **255** | **0.0** | |
| | | | | | | |
| 2016 | 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.

| 2016 | 0 | 92 | 0 | 92 | 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.

| 2016 | 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.

| **2016 Total** | **0** | **347** | **0** | **347** | **0.0** | |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| 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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 | 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 |

*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 |

**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 | 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 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 | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| Total | | 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. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|

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.

*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 |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2015 Total** | **0** | **243** | **0** | **243** | **0.0** | |
| 2016 | 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2016 | 0 | 46 | 0 | 46 | 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2016 | 0 | 42 | 0 | 42 | 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| **2016 Total** | **0** | **289** | **0** | **289** | **0.0** | |

*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 |

**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 | 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 (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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 | 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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 | 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% | | | |

*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 |

**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.

*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 |

**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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 |
| Total | | 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 Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 2014 | 0 | 2 | 0 | 2 | 0.0 | 1-Sided Adj |

Department reorganizational changes $2k NL adjustment.

| **2014 Total** | **0** | **2** | **0** | **2** | **0.0** | |
|---|---|---|---|---|---|---|

| 2015 | 0 | 2 | 0 | 2 | 0.0 | 1-Sided Adj |
|---|---|---|---|---|---|---|

Department reorganizational changes $2k NL adjustment.

| 2015 | 0 | 71 | 0 | 71 | 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 Total** | **0** | **73** | **0** | **73** | **0.0** | |
|---|---|---|---|---|---|---|

| 2016 | 0 | 2 | 0 | 2 | 0.0 | 1-Sided Adj |
|---|---|---|---|---|---|---|

Department reorganizational changes $2k NL adjustment.

| 2016 | 0 | 77 | 0 | 77 | 0.0 | 1-Sided Adj |
|---|---|---|---|---|---|---|

*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

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|

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.

| 2016 | 0 | 71 | 0 | 71 | 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.

| **2016 Total** | **0** | **150** | **0** | **150** | **0.0** | |

*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 |

**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 | 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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 | 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 | 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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.** | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | **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 | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 58 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **58** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| **Escalation to 2013$** | | | | | |
| 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 | 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*Note: Totals may include rounding differences.*

| 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):**

| | 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.** | 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 | 41.58% | 41.58% | | | | 38.08% | 38.08% | | | |
| SEU | 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 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.** | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 Utilitiies 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 Utilitiies 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 Utilitiies 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 Utilitiies and Parent.

*Note:  Totals may include rounding differences.*

| 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** | | **Base Forecast** | | | **Forecast Adjustments** | | | **Adjusted-Forecast** | | |
| **Years** | | **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 |
| **Total** | | **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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company
2016 GRC - APP
Shared Services Workpapers

| | |
|---|---|
| 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) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 42 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **42** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| **Escalation to 2013$** | | | | | |
| 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 | 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.*

| | |
|---|---|
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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 |
| **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.** | 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.

*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 |

**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 | 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 |
| Total | | 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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 2014 | 0 | 357 | 0 | 357 | 0.0 | 1-Sided Adj |

Apptio business performance measurement system

| **2014 Total** | **0** | **357** | **0** | **357** | **0.0** | |

| 2015 | 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.

| 2015 | 43 | 5 | 0 | 48 | 0.4 | 1-Sided Adj |

.9 FTE at $100k for an admin position and an IT analyst. Also $10k in associated NL costs for IT analyst only

| 2015 | 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.

| 2015 | 0 | 250 | 0 | 250 | 0.0 | 1-Sided Adj |

*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

| 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 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 | 86 | 10 | 0 | 96 | 0.9 | 1-Sided Adj |

.9 FTE at $100k for an admin position and an IT analyst.  Also $10k in associated  NL costs for IT analyst only

| 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 |

*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

| 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.

| | | | | | | |
|---|---|---|---|---|---|---|
| **2016 Total** | **136** | **637** | **0** | **773** | **1.5** | |

*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 | |

**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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| 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 Utilitiies 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 Utilitiies 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 Utilitiies 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 Utilitiies and Parent.

*Note: Totals may include rounding differences.*

| 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 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Forecast Method | | Base Forecast | | | Forecast Adjustments | | | Adjusted-Forecast | | |
| Years | | 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 |
| Total | | 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. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| | | |
|---|---|---|
| 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) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 4 | 16 | 17 | 12 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **4** | **16** | **17** | **12** |
| FTE | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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.*

| 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 | 2011 | 2012 | 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 | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| 2010 | -79 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2047.000 | FFIGUERO20131 031151031517 |

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 | -79 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2047.000 | FFIGUERO20131 031151258257 |

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 Total** | **-79** | **-3** | **0** | **-1.0** | | | |
| 2012 | -79 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2047.000 | FFIGUERO20131 031151338347 |

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** | | | |

*Note: Totals may include rounding differences.*

Area:          INFORMATION TECHNOLOGY

Witness:     Stephen J. Mikovits

Category:    B. Infrastructure

Category-Sub:  1. Infrastructure

Cost Center:  2100-4003.000 - IT Communications

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|------------|-------|------|-----|-----|----------|-----------|-------|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Cost Center: | VARIOUS |

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

| | In 2013$ (000) Incurred Costs | | | |
|---|---|---|---|---|
| | Adjusted-Recorded | 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 INFORMATION SECURITY**

| | | | | |
|---|---|---|---|---|
| Labor | 212 | 212 | 212 | 212 |
| Non-Labor | 11 | 11 | 61 | 61 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **223** | **223** | **273** | **273** |
| FTE | 2.0 | 2.0 | 2.0 | 2.0 |

**2100-3763.000 DIRECTOR - INFORMATION SECURITY**

| | | | | |
|---|---|---|---|---|
| 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 SECURITY ENGINEERING**

| | | | | |
|---|---|---|---|---|
| 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 SECURITY 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 Contracts**

| | | | | |
|---|---|---|---|---|
| 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 |

*Note:  Totals may include rounding differences.*

Area: INFORMATION TECHNOLOGY

Witness: Stephen J. Mikovits

Category: C. Information Security

Cost Center: VARIOUS

| | In 2013$ (000) Incurred Costs | | | |
|---|---|---|---|---|
| | Adjusted-Recorded | Adjusted-Forecast | | |
| | 2013 | 2014 | 2015 | 2016 |
| **2100-3814.000 DIRECTOR 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 SECURITY PROG** | | | | |
| Labor | 18 | 18 | 18 | 18 |
| Non-Labor | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 |
| **Total** | **18** | **18** | **18** | **18** |
| FTE | 0.1 | 0.1 | 0.1 | 0.1 |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Category-Sub: | 1. Information Security |
| Cost Center: | 2100-3101.000 - 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 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 | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Category-Sub: | 1. Information Security |
| Cost Center: | 2100-3101.000 - 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.

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Category-Sub: | 1. Information Security |
| Cost Center: | 2100-3101.000 - INFORMATION SECURITY |

**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 | 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 |
| **Total** | | **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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj  Type |
|---|---|---|---|---|---|---|
| **2014 Total** | **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 Total** | **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 Total** | **0** | **50** | **0** | **50** | **0.0** | |

*Note:  Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
|---|---|
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Category-Sub: | 1. Information Security |
| Cost Center: | 2100-3101.000 - INFORMATION SECURITY |

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

| | 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 |
| **Adjustments (Nominal $) \*\*** | | | | | |
| 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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 191 | 112 | 71 | 86 | 29 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **191** | **112** | **71** | **86** | **29** |
| FTE | 2.0 | 1.2 | 0.7 | 0.6 | 0.3 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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
*Note:  Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Category-Sub: | 1. Information Security |
| Cost Center: | 2100-3101.000 - 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -78 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2469.000 | FFIGUERO20131 031133323167 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2009 | -80 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031133752180 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-158** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| 2010 | -78 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2469.000 | FFIGUERO20131 031133430403 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2010 | -80 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031133837087 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-158** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| 2011 | -78 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2469.000 | FFIGUERO20131 031133514970 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2011 | -80 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031133927840 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Category-Sub: | 1. Information Security |
| Cost Center: | 2100-3101.000 - INFORMATION SECURITY |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2011 Total** | **-158** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| 2012 | -78 | -3 | 0 | -1.0 | CCTR Transf | To 2200-2469.000 | FFIGUERO20131 031133548650 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| 2012 | 80 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031134002053 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **2** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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 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% | | | |

*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 |

**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.

*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 |

**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 | 175 | 175 | 175 | 0 | 0 | 0 | 175 | 175 | 175 |
| Non-Labor | Base YR Rec | 65 | 65 | 65 | 0 | 180 | 220 | 65 | 245 | 285 |
| NSE | Base YR Rec | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | | **240** | **240** | **240** | **0** | **180** | **220** | **240** | **420** | **460** |
| FTE | Base YR Rec | 1.9 | 1.9 | 1.9 | 0.0 | 0.0 | 0.0 | 1.9 | 1.9 | 1.9 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
| --- | --- | --- | --- | --- | --- | --- |
| **2014 Total** | **0** | **0** | **0** | **0** | **0.0** | |
| 2015 | 0 | 80 | 0 | 80 | 0.0 | 1-Sided Adj |

Management estimate to cover cost of training courses and attendance at industry conferences for Information Security personnel,  based on security training for 13 people @ $6K per person in 2015 and 16 people in 2016. Per person costs are based on SANS Institute training costs @ avg $5K per course combined  with an avg of $1K travel & expense.

| 2015 | 0 | 100 | 0 | 100 | 0.0 | 1-Sided Adj |
| --- | --- | --- | --- | --- | --- | --- |

Information Security - new non-capital security technology innovation and product evaluations - consulting.  Assumes  estimated  annual cost for 3rd party vendor services.

| **2015 Total** | **0** | **180** | **0** | **180** | **0.0** | |
| --- | --- | --- | --- | --- | --- | --- |
| 2016 | 0 | 100 | 0 | 100 | 0.0 | 1-Sided Adj |

Management estimate to cover cost of training courses and attendance at industry conferences for Information Security personnel,  based on security training for 13 people @ $6K per person in 2015 and 16 people in 2016. Per person costs are based on SANS Institute training costs @ avg $5K per course combined  with an avg of $1K travel & expense.

| 2016 | 0 | 120 | 0 | 120 | 0.0 | 1-Sided Adj |
| --- | --- | --- | --- | --- | --- | --- |

Information Security - new non-capital security technology innovation and product evaluations - consulting.  Assumes  estimated  annual cost for 3rd party vendor services.

*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 |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2016 Total** | **0** | **220** | **0** | **220** | **0.0** | |

*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 |

**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 (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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 35 | 28 | 17 | 24 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **35** | **28** | **17** | **24** |
| FTE | 0.0 | 0.3 | 0.3 | 0.1 | 0.3 |
| **Escalation to 2013$** | | | | | |
| 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 (Constant 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 | 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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 | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| Total | | 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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2014 Total** | **0** | **0** | **0** | **0** | **0.0** | |
| 2015 | 0 | 120 | 0 | 120 | 0.0 | 1-Sided Adj |

Information Security - New service offering based on cloud collaboaration and data sharing services. Assumes estimated annual cost for 3rd party vendor services.

| | | | | | | |
|---|---|---|---|---|---|---|
| **2015 Total** | **0** | **120** | **0** | **120** | **0.0** | |
| 2016 | 0 | 120 | 0 | 120 | 0.0 | 1-Sided Adj |

Information Security - New service offering based on cloud collaboaration and data sharing services. Assumes estimated annual cost for 3rd party vendor services.

| | | | | | | |
|---|---|---|---|---|---|---|
| **2016 Total** | **0** | **120** | **0** | **120** | **0.0** | |

*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 |

**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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 1 | 72 | 72 | 87 | 105 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **1** | **72** | **72** | **87** | **105** |
| FTE | 0.0 | 0.7 | 0.8 | 0.9 | 1.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*Note:  Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
|---|---|
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Category-Sub: | 1. Information Security |
| Cost Center: | 2100-3775.000 - SECURITY OPERATIONS |

**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** | 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 Adjusted-Forecast | | | | | 2016 Adjusted-Forecast | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 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% | | | |

*Note: Totals may include rounding differences.*

Area: INFORMATION TECHNOLOGY
Witness: Stephen J. Mikovits
Category: C. Information Security
Category-Sub: 1. Information Security
Cost Center: 2100-3775.000 - 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.

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Category-Sub: | 1. Information Security |
| Cost Center: | 2100-3775.000 - SECURITY OPERATIONS |

**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 | 1,115 | 1,115 | 1,115 | 0 | 0 | 0 | 1,115 | 1,115 | 1,115 |
| Non-Labor | Base YR Rec | 313 | 313 | 313 | 0 | 450 | 525 | 313 | 763 | 838 |
| NSE | Base YR Rec | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | | **1,429** | **1,429** | **1,429** | **0** | **450** | **525** | **1,429** | **1,879** | **1,954** |
| FTE | Base YR Rec | 11.0 | 11.0 | 11.0 | 0.0 | 0.0 | 0.0 | 11.0 | 11.0 | 11.0 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| **2014 Total** | **0** | **0** | **0** | **0** | **0.0** | |
| 2015 | 0 | 350 | 0 | 350 | 0.0 | 1-Sided Adj |

Information Security - Annual vulnerability and penetration testing assessments on
SDG&E/SCG Crit Infrastructure - consulting.  Assumes  estimated  annual cost for 3rd party
vendor services, based on approximately 35 man weeks per year @ $10K per week in 2015,
and 40 man weeks in 2016.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 2015 | 0 | 100 | 0 | 100 | 0.0 | 1-Sided Adj |

Information Security - External forensics and investigation support - consulting.  Assumes
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 |
|---|---|---|---|---|---|---|
| **2015 Total** | **0** | **450** | **0** | **450** | **0.0** | |
| 2016 | 0 | 400 | 0 | 400 | 0.0 | 1-Sided Adj |

Information Security - Annual vulnerability and penetration testing assessments on
SDG&E/SCG Crit Infrastructure - consulting.  Assumes  estimated  annual cost for 3rd party
vendor services, based on approximately 35 man weeks per year @ $10K per week in 2015,
and 40 man weeks in 2016.

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 2016 | 0 | 125 | 0 | 125 | 0.0 | 1-Sided Adj |

Information Security - External forensics and investigation support - consulting.  Assumes
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.

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Category-Sub: | 1. Information Security |
| Cost Center: | 2100-3775.000 - SECURITY OPERATIONS |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| **2016 Total** | **0** | **525** | **0** | **525** | **0.0** | |

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
| --- | --- |
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Category-Sub: | 1. Information Security |
| Cost Center: | 2100-3775.000 - SECURITY OPERATIONS |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
| --- | --- | --- | --- | --- | --- |
| **Recorded (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 |
| **Adjustments (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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | -28 | 71 | 114 | 170 | 153 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **-28** | **71** | **114** | **170** | **153** |
| FTE | -0.3 | 0.8 | 1.3 | 1.9 | 1.6 |
| **Escalation to 2013$** | | | | | |
| 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 (Constant 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.*

| | |
|---|---|
| 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 | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -190 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2469.000 | FFIGUERO20131 031145930553 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-190** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| 2010 | -190 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2469.000 | FFIGUERO20131 031150011357 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-190** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| 2011 | -190 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2469.000 | FFIGUERO20131 031150047723 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-190** | **-9** | **0** | **-2.0** | | | |
| | | | | | | | |
| 2012 | -190 | -9 | 0 | -2.0 | CCTR Transf | To 2200-2469.000 | FFIGUERO20131 031150119673 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-190** | **-9** | **0** | **-2.0** | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | C. Information Security |
| Category-Sub: | 1. Information Security |
| Cost Center: | 2100-3775.000 - SECURITY OPERATIONS |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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 | 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 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| Total | | 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. | Labor | NLbr | NSE | Total | FTE | Adj  Type |
|---|---|---|---|---|---|---|
| 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 |

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.

*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

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|------------|-------|------|-----|-------|-----|----------|
| 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.

| | | | | | | |
|------------|-------|------|-----|-------|-----|----------|
| **2016 Total** | **0** | **823** | **0** | **823** | **0.0** | |

*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 |

**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 | 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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| **Escalation to 2013$** | | | | | |
| Labor | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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 | 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% | | | |

| | 2015 Adjusted-Forecast | | | | | 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% | | | |

*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 |

**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.

*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 |

**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 | 229 | 229 | 229 | 0 | 123 | 246 | 229 | 352 | 475 |
| Non-Labor | Base YR Rec | 67 | 67 | 67 | 0 | 20 | 40 | 67 | 87 | 107 |
| NSE | Base YR Rec | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | | **296** | **296** | **296** | **0** | **143** | **286** | **296** | **439** | **582** |
| FTE | Base YR Rec | 1.0 | 1.0 | 1.0 | 0.0 | 1.2 | 2.5 | 1.0 | 2.2 | 3.5 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| **2014 Total** | **0** | **0** | **0** | **0** | **0.0** | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2015 | 123 | 20 | 0 | 143 | 1.2 | 1-Sided Adj |

1.95 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 Total** | **123** | **20** | **0** | **143** | **1.2** | |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| 2016 | 246 | 40 | 0 | 286 | 2.5 | 1-Sided Adj |

1.95 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 Total** | **246** | **40** | **0** | **286** | **2.5** | |
|---|---|---|---|---|---|---|

*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 |

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

| | 2009 ($000) | 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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 32 | 28 | 31 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **32** | **28** | **31** |
| FTE | 0.0 | 0.0 | 0.2 | 0.1 | 0.2 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **19** | **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 | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 10 | 6 | 3 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **10** | **6** | **3** |
| FTE | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Cost Center: | VARIOUS |

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

| | In 2013$ (000) Incurred Costs | | | |
|---|---|---|---|---|
| | 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 to this Category:**

**2100-3064.000 VP INFORMATION 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 BUSINESS 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 ACCOUNT 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 SOLUTIONS 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 |

*Note: Totals may include rounding differences.*

Area: INFORMATION TECHNOLOGY

Witness: Stephen J. Mikovits

Category: D. IT Support

Cost Center: VARIOUS

| | In 2013$ (000) Incurred Costs | | | |
|---|---|---|---|---|
| | Adjusted-Recorded | Adjusted-Forecast | | |
| | 2013 | 2014 | 2015 | 2016 |
| **2100-3733.000 SVP & CITO** | | | | |
| 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 ENTERPRISE 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 ENTERPRISE FINANCIAL & OPS SOLUTION** | | | | |
| 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 ASSOCIATE 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 |

*Note:  Totals may include rounding differences.*

**Beginning of Workpaper**
**2100-3064.000 - VP INFORMATION TECHNOLOGY**

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub | 1. IT Support |
| Cost 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:**

| | | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Adjusted-Recorded | | | | | 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 |

*Note:  Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
|---|---|
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3064.000 - 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 Adjusted-Forecast | | | | | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3064.000 - 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.

*Note:  Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3064.000 - VP INFORMATION TECHNOLOGY |

**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 | 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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
| --- | --- |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3064.000 - VP INFORMATION TECHNOLOGY |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
| --- | --- | --- | --- | --- | --- |
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 39 | 8 | 11 | 112 | 46 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **39** | **8** | **11** | **112** | **46** |
| FTE | 0.4 | 0.1 | 0.2 | 1.2 | 0.3 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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** | **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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| 2010 | 0 | 25 | 0 | 0.0 | CCTR Transf | From 2100-3758.000 | LBROUGH201402 27152956327 |
| Transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013) | | | | | | | |
| 2010 | 0 | -25 | 0 | 0.0 | SSD_Type Transf | FROM CC_Subj | LBROUGH201402 27153212337 |
| 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. | | | | | | | |
| 2010 | 0 | 25 | 0 | 0.0 | SSD_Type Transf | TO IO_Alloc | LBROUGH201402 27153212337 |
| 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. | | | | | | | |
| **2010 Total** | **0** | **25** | **0** | **0.0** | | | |
| 2011 | 66 | 189 | 0 | 0.9 | CCTR Transf | From 2100-3758.000 | LBROUGH201402 27152907963 |
| Transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013) | | | | | | | |
| 2011 | -66 | -189 | 0 | -0.9 | SSD_Type Transf | 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. | | | | | | | |

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
|---|---|
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3064.000 - VP INFORMATION TECHNOLOGY |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2011 | 66 | 189 | 0 | 0.9 | SSD_Type Transf | TO IO_Alloc | 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. |||||||
| **2011 Total** | **66** | **189** | **0** | **0.9** | | | |
| 2012 | 574 | 1,262 | 0 | 6.5 | CCTR Transf | From 2100-3067.000 | LBROUGH201402 27152544260 |
| Error should have been transferred to 2100-3064 not 2100-3067. Transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013) |||||||
| 2012 | -574 | -1,262 | 0 | -6.5 | 1-Sided Adj | N/A | LBROUGH201402 27152706020 |
| 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. |||||||
| 2012 | 574 | 1,262 | 0 | 6.5 | 1-Sided Adj | N/A | LBROUGH201402 27152730887 |
| 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. |||||||
| **2012 Total** | **574** | **1,262** | **0** | **6.5** | | | |
| 2013 | 488 | 818 | 0 | 5.3 | CCTR Transf | From 2100-3758.000 | LBROUGH201402 27151439333 |
| Transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013) |||||||
| 2013 | -488 | -818 | 0 | -5.3 | 1-Sided Adj | N/A | LBROUGH201402 27151735627 |
| Non-recurring Affiliate charge removed from 2013 base year. This was part of the transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013) - move from SS allocation to Directly allocated. |||||||
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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 | 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 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| Total | | 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. | Labor | NLbr | NSE | Total | FTE | Adj_Type |
|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|

*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. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|

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.

| | Labor | NLbr | NSE | Total | FTE | |
|---|---|---|---|---|---|---|
| **2016 Total** | **50** | **20** | **0** | **70** | **0.0** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **Adjustments (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 |
| **Recorded-Adjusted (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 102 | 98 | 92 | 95 | 97 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **102** | **98** | **92** | **95** | **97** |
| FTE | 1.2 | 1.1 | 1.2 | 1.2 | 1.1 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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 | 2009 | 2010 | 2011 | 2012 | 2013 |
| 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | 280 | 5 | 0 | 2.6 | CCTR Transf | From 2100-3012.000 | SDEW201310151 45142117 |
| Cost center merged with 2100-3067 | | | | | | | |
| **2009 Total** | **280** | **5** | **0** | **2.6** | | | |
| 2010 | 288 | 5 | 0 | 2.6 | CCTR Transf | From 2100-3012.000 | SDEW201310151 45327180 |
| Employees merged into cost center 2100-3067 | | | | | | | |
| 2010 | 0 | 0.008 | 0 | 0.0 | CCTR Transf | From 2100-3012.000 | SDEW201310151 50505800 |
| Employees merged with cost center 2100-3067 | | | | | | | |
| **2010 Total** | **288** | **5** | **0** | **2.6** | | | |
| 2011 | 168 | 10 | 0 | 1.7 | CCTR Transf | From 2100-3012.000 | SDEW201310151 50649653 |
| Employees merged with cost center 2100-3067 | | | | | | | |
| **2011 Total** | **168** | **10** | **0** | **1.7** | | | |
| 2012 | 574 | 1,262 | 0 | 6.5 | CCTR Transf | From 2100-3758.000 | LBROUGH201402 27152306670 |
| Transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013) | | | | | | | |

*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. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2012 | -574 | -1,262 | 0 | -6.5 | CCTR Transf | To 2100-3064.000 | LBROUGH201402 27152544260 |

Error  should have been transferred to 2100-3064  not 2100-3067.

Transfer of the affiliate portion of CPD costs prior to the transfer of all CPD costs to SDGE Electric Distribution (wkgrp 1ED013)

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2012 | 177 | 3 | 0 | 1.8 | CCTR Transf | From 2100-3012.000 | SDEW201310151 50744837 |

Employees merged with cost center 2100-3067

| **2012 Total** | **177** | **3** | **0** | **1.8** | | | |

| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note:  Totals may include rounding differences.*

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*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 |

**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** | 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 Adjusted-Forecast | | | | | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **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/Expl. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 51 | 31 | 26 | 37 | 36 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **51** | **31** | **26** | **37** | **36** |
| FTE | 0.7 | 0.5 | 0.4 | 0.5 | 0.4 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*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 |

**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** | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **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 Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 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 |
| **Adjustments (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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 12 | 43 | 54 | 63 | 46 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **12** | **43** | **54** | **63** | **46** |
| FTE | 0.1 | 0.3 | 0.4 | 0.4 | 0.4 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | -112 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031145221250 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2009 Total** | **-112** | **-6** | **0** | **-1.0** | | | |
| 2010 | -112 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031145331483 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2010 Total** | **-112** | **-6** | **0** | **-1.0** | | | |
| 2011 | -112 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031145423750 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2011 Total** | **-112** | **-6** | **0** | **-1.0** | | | |
| 2012 | -112 | -6 | 0 | -1.0 | CCTR Transf | To 2200-2470.000 | FFIGUERO20131 031145501217 |
| IT Employee Transfer from SDGE to SCG as of 2013 | | | | | | | |
| **2012 Total** | **-112** | **-6** | **0** | **-1.0** | | | |

*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 |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**Beginning of Workpaper**
**2100-3713.000 - FIELD FORCE PROGRAM DELIVERY TEAM**

| | |
|---|---|
| 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 |

**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:**

| | In 2013$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | 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 |

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
| --- | --- |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3713.000 - 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

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
| --- | --- |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3713.000 - FIELD FORCE PROGRAM DELIVERY TEAM |

**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 | 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 |
| Total | | 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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3713.000 - 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 |
| **Adjustments (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 (Nominal $)** | | | | | |
| 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 65 | 67 | 61 | 59 | 68 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **65** | **67** | **61** | **59** | **68** |
| FTE | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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.*

| | |
|---|---|
| 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:**

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 | 400 | 25 | 0 | 4.0 | 1-Sided Adj | N/A | LBROUGH201405 15161717867 |
| Transfer of CPD costs from 1IT003 to 2100-3713 as part of IT reorganization. | | | | | | | |
| **2009 Total** | **400** | **25** | **0** | **4.0** | | | |
| 2010 | 400 | 25 | 0 | 4.0 | 1-Sided Adj | N/A | LBROUGH201405 15161934027 |
| Transfer of CPD costs from 1IT003 to 2100-3713 as part of IT reorganization. | | | | | | | |
| **2010 Total** | **400** | **25** | **0** | **4.0** | | | |
| 2011 | 400 | 25 | 0 | 4.0 | 1-Sided Adj | N/A | LBROUGH201405 15162005270 |
| Transfer of CPD costs from 1IT003 to 2100-3713 as part of IT reorganization. | | | | | | | |
| **2011 Total** | **400** | **25** | **0** | **4.0** | | | |
| 2012 | 400 | 25 | 0 | 4.0 | 1-Sided Adj | N/A | LBROUGH201405 15162033610 |
| Transfer of CPD costs from 1IT003 to 2100-3713 as part of IT reorganization. | | | | | | | |
| **2012 Total** | **400** | **25** | **0** | **4.0** | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3713.000 - FIELD FORCE PROGRAM DELIVERY TEAM |

| Year/Expl. | Labor | NLbr | NSE | FTE | Adj Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2013 | 400 | 25 | 0 | 4.0 | 1-Sided Adj | N/A | LBROUGH201405 15162110987 |
| Transfer of CPD costs from 1IT003 to 2100-3713 as part of IT reorganization. | | | | | | | |
| **2013 Total** | **400** | **25** | **0** | **4.0** | | | |

*Note: Totals may include rounding differences.*

**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$ (000) Incurred Costs | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **Adjusted-Forecast** | | |
| **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 |

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
| --- | --- |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3733.000 - SVP & CITO |

**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 | 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% | | | |

| | 2015 Adjusted-Forecast | | | | | 2016 Adjusted-Forecast | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 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% | | | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3733.000 - 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.

*Note: Totals may include rounding differences.*

| Area: | INFORMATION TECHNOLOGY |
|---|---|
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3733.000 - SVP & CITO |

**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 | 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 |
| **Total** | | **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/Expl. | Labor | NLbr | 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** | |

*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3733.000 - SVP & CITO |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 33 | 50 | 47 | 54 | 54 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **33** | **50** | **47** | **54** | **54** |
| FTE | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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
*Note: Totals may include rounding differences.*

| | |
|---|---|
| Area: | INFORMATION TECHNOLOGY |
| Witness: | Stephen J. Mikovits |
| Category: | D. IT Support |
| Category-Sub: | 1. IT Support |
| Cost Center: | 2100-3733.000 - SVP & CITO |

**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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

**Beginning of Workpaper**
**2100-3762.000 - IT ENTERPRISE TRAINING AND CC**

| | |
|---|---|
| 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 |

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Adjusted-Recorded | | | | | Adjusted-Forecast | | |
| 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 |

*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 |

**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 | 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 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 | 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | | **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. | Labor | NLbr | 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** | |

*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 |

**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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 23 | 13 | 13 | 18 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **23** | **13** | **13** | **18** |
| FTE | 0.0 | 0.2 | 0.2 | 0.1 | 0.2 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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 | 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note:  Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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 | 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 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. | 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

*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 |

**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 | 7 | 7 | 7 | 114 | 114 | 114 | 121 | 121 | 121 |
| Non-Labor | Base YR Rec | 561 | 561 | 561 | -149 | -149 | -149 | 412 | 412 | 412 |
| NSE | 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 |

**Forecast Adjustment Details:**

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2014 | 116 | -149 | 0 | -33 | 1.0 | 1-Sided Adj |

Reductions  due to CPD cost center consolidation (see SCG WP-18, workgroup  2IT003)

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2014 | -2 | 0 | 0 | -2 | 0.0 | 1-Sided Adj |

Reductions  due to CPD cost center consolidation (see SCG WP-18, workgroup  2IT003)

| | | | | | | |
|---|---|---|---|---|---|---|
| **2014 Total** | **114** | **-149** | **0** | **-35** | **1.0** | |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2015 | 116 | -149 | 0 | -33 | 1.0 | 1-Sided Adj |

Reductions  due to CPD cost center consolidation (see SCG WP-18, workgroup  2IT003)

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2015 | -2 | 0 | 0 | -2 | 0.0 | 1-Sided Adj |

Reductions  due to CPD cost center consolidation (see SCG WP-18, workgroup  2IT003)

| | | | | | | |
|---|---|---|---|---|---|---|
| **2015 Total** | **114** | **-149** | **0** | **-35** | **1.0** | |

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2016 | 116 | -149 | 0 | -33 | 1.0 | 1-Sided Adj |

Reductions  due to CPD cost center consolidation (see SCG WP-18, workgroup  2IT003)

| Year/Expl. | Labor | NLbr | NSE | Total | FTE | Adj Type |
|---|---|---|---|---|---|---|
| 2016 | -2 | 0 | 0 | -2 | 0.0 | 1-Sided Adj |

Reductions  due to CPD cost center consolidation (see SCG WP-18, workgroup  2IT003)

| | | | | | | |
|---|---|---|---|---|---|---|
| **2016 Total** | **114** | **-149** | **0** | **-35** | **1.0** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 1 | 23 | 23 | 1 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **1** | **23** | **23** | **1** |
| FTE | 0.0 | 0.0 | 0.3 | 0.2 | 0.0 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| 2009 Total | 0 | 0 | 0 | 0.0 | | | |
| 2010 Total | 0 | 0 | 0 | 0.0 | | | |
| 2011 Total | 0 | 0 | 0 | 0.0 | | | |
| 2012 Total | 0 | 0 | 0 | 0.0 | | | |
| 2013 Total | 0 | 0 | 0 | 0.0 | | | |

*Note: Totals may include rounding differences.*

**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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **Adjusted-Recorded** | | | | | **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 |

*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 |

**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** | 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 Adjusted-Forecast | | | | | 2016 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% | | | |

*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 |

**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.

*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 |

**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 | 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 |
| **Total** | **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. | Labor | NLbr | 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** | |

*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 |

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

| | 2009 ($000) | 2010 ($000) | 2011 ($000) | 2012 ($000) | 2013 ($000) |
|---|---|---|---|---|---|
| **Recorded (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 |
| **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 | 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 |
| **Vacation & Sick (Nominal $)** | | | | | |
| Labor | 0 | 0 | 0 | 17 | 138 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **17** | **138** |
| FTE | 0.0 | 0.0 | 0.0 | 0.3 | 1.9 |
| **Escalation to 2013$** | | | | | |
| 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 |
| **Recorded-Adjusted (Constant 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. | Labor | NLbr | NSE | FTE | Adj_Type | From CCtr | RefID |
|---|---|---|---|---|---|---|---|
| **2009 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2010 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2011 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2012 Total** | **0** | **0** | **0** | **0.0** | | | |
| **2013 Total** | **0** | **0** | **0** | **0.0** | | | |

*Note: Totals may include rounding differences.*

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 |

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 |
| 2100-4025 | 000 | GRID COMMUNICATIONS PMO |