| Application of SAN DIEGO GAS & ELECTRIC |) |
|---|---|
| COMPANY for authority to update its gas and |) |
| electric revenue requirement and base rates |) |
| effective January 1, 2019 (U 902-M) |) |
| | |
| | |
| Application No. 17-10 | |
| Exhibit No · (SDG&E-11-CWP) | |

CAPITAL WORKPAPERS TO PREPARED DIRECT TESTIMONY OF MARIA T. MARTINEZ ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

OCTOBER 2017



2019 General Rate Case - APP INDEX OF WORKPAPERS

Exhibit SDG&E-11-CWP - TIMP & DIMP

| DOCUMENT | PAGE |
|--|------|
| | |
| Overall Summary For Exhibit No. SDG&E-11-CWP | 1 |
| Category: A. TIMP | 2 |
| 034680 - PIPELINE INTEGRITY FOR GAS TRANSMISSION | 3 |
| Category: B. DIMP | 12 |
| 095460 - DISTRIBUTION INTEGRITY MGMT PROGRAM | 13 |

Overall Summary For Exhibit No. SDG&E-11-CWP

Area: TIMP & DIMP

Witness: Maria T. Martinez

A. TIMP

B. DIMP

| In 2016 \$ (000) | | | | | | | |
|-------------------|--------|--------|--|--|--|--|--|
| Adjusted-Forecast | | | | | | | |
| 2017 | 2018 | 2019 | | | | | |
| 3,997 | 3,997 | 4,000 | | | | | |
| 20,219 | 20,219 | 45,000 | | | | | |
| 24,216 | 24,216 | 49,000 | | | | | |

Total

Area: TIMP & DIMP
Witness: Maria T. Martinez

Category: A. TIMP Workpaper: 034680

Summary for Category: A. TIMP

| Labor |
|-----------|
| Non-Labor |
| NSE |
| Total |

FTE

| | In 2016\$ (0 | 00) | |
|-------------------|--------------|-------------------|-------|
| Adjusted-Recorded | | Adjusted-Forecast | |
| 2016 | 2017 | 2018 | 2019 |
| 170 | 396 | 396 | 396 |
| 3,488 | 3,601 | 3,601 | 3,604 |
| 0 | 0 | 0 | 0 |
| 3,658 | 3,997 | 3,997 | 4,000 |
| 1.8 | 5.0 | 5.0 | 5.0 |

034680 PIPELINE INTEGRITY FOR GAS TRANSMISSION

| Labor | 170 | 396 | 396 | 396 |
|-----------|-------|-------|-------|-------|
| Non-Labor | 3,488 | 3,601 | 3,601 | 3,604 |
| NSE | 0 | 0 | 0 | 0 |
| Total | 3,658 | 3,997 | 3,997 | 4,000 |
| FTE | 1.8 | 5.0 | 5.0 | 5.0 |

Beginning of Workpaper Group 034680 - PIPELINE INTEGRITY FOR GAS TRANSMISSION

Area: TIMP & DIMP
Witness: Maria T. Martinez

Budget Code: 03468.0 Category: A. TIMP

Category-Sub: 1. PIPELINE INTEGRITY FOR GAS TRANSMISSION

Workpaper Group: 034680 - PIPELINE INTEGRITY FOR GAS TRANSMISSION

Summary of Results (Constant 2016 \$ in 000s):

| Forecast I | Method | | Adjusted Forecast | | | | | | |
|------------|------------|--------|-------------------|-------|-------|-------|-------|-------|-------|
| Years | S | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| Labor | Zero-Based | 1,509 | 1,221 | 649 | 283 | 170 | 396 | 396 | 396 |
| Non-Labor | Zero-Based | 29,562 | 22,035 | 6,862 | 3,285 | 3,488 | 3,601 | 3,601 | 3,604 |
| NSE | Zero-Based | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tota | I | 31,071 | 23,256 | 7,511 | 3,569 | 3,658 | 3,997 | 3,997 | 4,000 |
| FTE | Zero-Based | 17.4 | 13.2 | 6.7 | 2.6 | 1.8 | 5.0 | 5.0 | 5.0 |

Business Purpose:

Physical Description:

Project Justification:

Area: TIMP & DIMP
Witness: Maria T. Martinez

Budget Code: 03468.0 Category: A. TIMP

Category-Sub: 1. PIPELINE INTEGRITY FOR GAS TRANSMISSION

Workpaper Group: 034680 - PIPELINE INTEGRITY FOR GAS TRANSMISSION

Forecast Methodology:

Labor - Zero-Based

Non-Labor - Zero-Based

NSE - Zero-Based

Area: TIMP & DIMP Witness: Maria T. Martinez

Budget Code: 03468.0 Category: A. TIMP

Category-Sub: 1. PIPELINE INTEGRITY FOR GAS TRANSMISSION

Workpaper Group: 034680 - PIPELINE INTEGRITY FOR GAS TRANSMISSION

Summary of Adjustments to Forecast

| | In 2016 \$ (000) | | | | | | | | | |
|------------|--|-------|-------|---------------|------|------|------|-------------------|-------|-------|
| Forecast I | Forecast Method Base Forecast Forecast Adjustments | | | Base Forecast | | | Ad | Adjusted-Forecast | | |
| Years | | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| Labor | Zero-Based | 396 | 396 | 396 | 0 | 0 | 0 | 396 | 396 | 396 |
| Non-Labor | Zero-Based | 3,601 | 3,601 | 3,601 | 0 | 0 | 3 | 3,601 | 3,601 | 3,604 |
| NSE | Zero-Based | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | 3,997 | 3,997 | 3,997 | 0 | 0 | 3 | 3,997 | 3,997 | 4,000 |
| FTE | Zero-Based | 5.0 | 5.0 | 5.0 | 0.0 | 0.0 | 0.0 | 5.0 | 5.0 | 5.0 |

Forecast Adjustment Details

| | ., | | | | | | |
|-------------|----------------|---------------|-------------|------------|--------------|------------|------------------------|
| Year Ad | <u>j Group</u> | <u>Labor</u> | <u>NLbr</u> | <u>NSE</u> | <u>Total</u> | <u>FTE</u> | <u>RefID</u> |
| 2017 Total | | 0 | 0 | 0 | 0 | 0.0 | |
| | | | | | | | |
| 2018 Total | | 0 | 0 | 0 | 0 | 0.0 | |
| | | | | | | | |
| 2019 (| Other | 0 | 3 | 0 | 3 | 0.0 | TPDLB20161205113638443 |
| Explanation | : Rounding ac | djustment for | 2019 | | | | |
| 2019 Total | | 0 | 3 | 0 | 3 | 0.0 | |

Area: TIMP & DIMP Witness: Maria T. Martinez

Budget Code: 03468.0 Category: A. TIMP

Category-Sub: 1. PIPELINE INTEGRITY FOR GAS TRANSMISSION

Workpaper Group: 034680 - PIPELINE INTEGRITY FOR GAS TRANSMISSION

Determination of Adjusted-Recorded:

| | 2012 (\$000) | 2013 (\$000) | 2014 (\$000) | 2015 (\$000) | 2016 (\$000) |
|--------------------------|---------------|--------------|--------------|--------------|--------------|
| Recorded (Nominal \$)* | | | | | |
| Labor | 1,340 | 1,065 | 572 | 247 | 146 |
| Non-Labor | 30,059 | 22,273 | 7,012 | 3,310 | 3,488 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| Total | 31,398 | 23,338 | 7,584 | 3,558 | 3,634 |
| FTE | 15.0 | 11.1 | 5.7 | 2.2 | 1.5 |
| 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 (Nomi | inal \$) | | | | |
| Labor | 1,340 | 1,065 | 572 | 247 | 146 |
| Non-Labor | 30,059 | 22,273 | 7,012 | 3,310 | 3,488 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| Total | 31,398 | 23,338 | 7,584 | 3,558 | 3,634 |
| FTE | 15.0 | 11.1 | 5.7 | 2.2 | 1.5 |
| Vacation & Sick (Nominal | \$) | | | | |
| Labor | 194 | 169 | 91 | 38 | 24 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| Total | 194 | 169 | 91 | 38 | 24 |
| FTE | 2.4 | 2.0 | 1.0 | 0.4 | 0.3 |
| Escalation to 2016\$ | | | | | |
| Labor | -25 | -13 | -14 | -2 | 0 |
| Non-Labor | -497 | -238 | -150 | -25 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| Total | -522 | -251 | -164 | -27 | 0 |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Recorded-Adjusted (Cons | stant 2016\$) | | | | |
| Labor | 1,509 | 1,221 | 649 | 283 | 170 |
| Non-Labor | 29,562 | 22,035 | 6,862 | 3,285 | 3,488 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| Total | 31,071 | 23,256 | 7,511 | 3,569 | 3,658 |
| FTE | 17.4 | 13.1 | 6.7 | 2.6 | 1.8 |

^{*} After company-wide exclusions of Non-GRC costs

^{**} Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Area: TIMP & DIMP Witness: Maria T. Martinez

Budget Code: 03468.0 Category: A. TIMP

Category-Sub: 1. PIPELINE INTEGRITY FOR GAS TRANSMISSION

Workpaper Group: 034680 - PIPELINE INTEGRITY FOR GAS TRANSMISSION

Summary of Adjustments to Recorded:

| | | | In Nominal | \$(000) | | |
|-----------|-------|------|------------|---------|------|------|
| | Years | 2012 | 2013 | 2014 | 2015 | 2016 |
| Labor | | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | | 0 | 0 | 0 | 0 | 0 |
| NSE | | 0 | 0 | 0 | 0 | 0 |
| | Total | 0 | 0 | 0 | 0 | 0 |
| FTE | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| <u>Year Adj Group Labor NLbr NSE Total FTE ReflD</u> | Year | Adj Group | <u>Labor</u> | <u>NLbr</u> | NSE | <u>Total</u> | FTE | <u>RefID</u> | |
|--|------|-----------|--------------|-------------|-----|--------------|-----|--------------|--|
|--|------|-----------|--------------|-------------|-----|--------------|-----|--------------|--|

Beginning of Workpaper Sub Details for Workpaper Group 034680

Area: TIMP & DIMP
Witness: Maria T. Martinez

Budget Code: 03468.0 Category: A. TIMP

Category-Sub: 1. PIPELINE INTEGRITY FOR GAS TRANSMISSION

Workpaper Group: 034680 - PIPELINE INTEGRITY FOR GAS TRANSMISSION

Workpaper Detail: 034680.001 - RAMP - Base BC 3468 is SDG&E TIMP

In-Service Date: Not Applicable

Description:

RAMP - Base BC 3468 SDG&E TIMP ILI capital

| Forecast In 2016 \$(000) | | | | | | | |
|--------------------------|-------|-------|-------|-------|--|--|--|
| | Years | 2017 | 2018 | 2019 | | | |
| Labor | | 396 | 396 | 396 | | | |
| Non-Labor | | 3,601 | 3,601 | 3,604 | | | |
| NSE | | 0 | 0 | 0 | | | |
| | Total | 3,997 | 3,997 | 4,000 | | | |
| FTE | | 5.0 | 5.0 | 5.0 | | | |

Area: TIMP & DIMP Witness: Maria T. Martinez

Budget Code: 03468.0 Category: A. TIMP

Category-Sub: 1. PIPELINE INTEGRITY FOR GAS TRANSMISSION

Workpaper Group: 034680 - PIPELINE INTEGRITY FOR GAS TRANSMISSION

Workpaper Detail: 034680.001 - RAMP - Base BC 3468 is SDG&E TIMP

RAMP Item # 1

RAMP Chapter: SDG&E-10

Program Name: TIMP

Program Description: TIMP ILI/ECDA

Risk/Mitigation:

Risk: B

Mitigation: #1

Forecast CPUC Cost Estimates (\$000)

| | <u>2017</u> | <u>2018</u> | <u>2019</u> |
|------|-------------|-------------|-------------|
| Low | 3,800 | 3,800 | 3,800 |
| High | 4.200 | 4.200 | 4.200 |

Funding Source: CPUC-GRC Forecast Method: Zero-Based

Work Type: Mandated
Work Type Citation: x

Historical Embedded Cost Estimates (\$000)

Embedded Costs: 3658

Explanation:

Area: TIMP & DIMP Witness: Maria T. Martinez

Category: B. DIMP Workpaper: 095460

Summary for Category: B. DIMP

| | In 2016\$ (000) | | | | | | |
|-----------|-------------------|-------------------|--------|--------|--|--|--|
| | Adjusted-Recorded | Adjusted-Forecast | | | | | |
| | 2016 | 2017 | 2018 | 2019 | | | |
| Labor | 864 | 404 | 404 | 404 | | | |
| Non-Labor | 21,481 | 19,815 | 19,815 | 44,596 | | | |
| NSE | 0 | 0 | 0 | 0 | | | |
| Total | 22,345 | 20,219 | 20,219 | 45,000 | | | |
| FTE | 12.2 | 6.0 | 6.0 | 6.0 | | | |

| Labor | 864 | 404 | 404 | 404 |
|-----------|--------|--------|--------|--------|
| Non-Labor | 21,481 | 19,815 | 19,815 | 44,596 |
| NSE | 0 | 0 | 0 | 0 |
| Total | 22,345 | 20,219 | 20,219 | 45,000 |
| FTE | 12.2 | 6.0 | 6.0 | 6.0 |

Beginning of Workpaper Group 095460 - Distribution Integrity Mgmt Program

Area: TIMP & DIMP Witness: Maria T. Martinez

Budget Code: 09546.0 Category: B. DIMP

Category-Sub: 1. Distribution Integrity Mgmt Program
Workpaper Group: 095460 - Distribution Integrity Mgmt Program

Summary of Results (Constant 2016 \$ in 000s):

| Forecast I | Method | Adjusted Recorded | | | | | Adjusted Forecast | | |
|------------|------------|-------------------|-------|-------|-------|--------|-------------------|--------|--------|
| Years | s | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| Labor | Zero-Based | 316 | 493 | 501 | 426 | 864 | 404 | 404 | 404 |
| Non-Labor | Zero-Based | 1,075 | 1,692 | 1,423 | 3,809 | 21,481 | 19,815 | 19,815 | 44,596 |
| NSE | Zero-Based | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tota | ıl | 1,392 | 2,184 | 1,925 | 4,235 | 22,346 | 20,219 | 20,219 | 45,000 |
| FTE | Zero-Based | 4.9 | 7.4 | 7.7 | 6.0 | 12.2 | 6.0 | 6.0 | 6.0 |

Business Purpose:

Physical Description:

Project Justification:

Area: TIMP & DIMP
Witness: Maria T. Martinez

Budget Code: 09546.0 Category: B. DIMP

Category-Sub: 1. Distribution Integrity Mgmt Program

Workpaper Group: 095460 - Distribution Integrity Mgmt Program

Forecast Methodology:

Labor - Zero-Based

Non-Labor - Zero-Based

NSE - Zero-Based

Area: TIMP & DIMP Witness: Maria T. Martinez

Budget Code: 09546.0 Category: B. DIMP

Category-Sub: 1. Distribution Integrity Mgmt Program
Workpaper Group: 095460 - Distribution Integrity Mgmt Program

Summary of Adjustments to Forecast

| | In 2016 \$ (000) | | | | | | | | | |
|------------|------------------|---------------|--------|--------|------|----------------------|--------|--------|-------------------|--------|
| Forecast I | Method | Base Forecast | | | For | Forecast Adjustments | | | Adjusted-Forecast | |
| Years | | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| Labor | Zero-Based | 404 | 404 | 404 | 0 | 0 | 0 | 404 | 404 | 404 |
| Non-Labor | Zero-Based | 19,815 | 19,815 | 19,815 | 0 | 0 | 24,781 | 19,815 | 19,815 | 44,596 |
| NSE | Zero-Based | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | 20,219 | 20,219 | 20,219 | 0 | 0 | 24,781 | 20,219 | 20,219 | 45,000 |
| FTE | Zero-Based | 6.0 | 6.0 | 6.0 | 0.0 | 0.0 | 0.0 | 6.0 | 6.0 | 6.0 |

Forecast Adjustment Details

| i orecast Aujustinent De | tuno | | | | | | |
|---|--------------|-------------|------------|--------------|------------|------------------------|--|
| Year Adj Group | <u>Labor</u> | <u>NLbr</u> | <u>NSE</u> | <u>Total</u> | <u>FTE</u> | <u>RefID</u> | |
| 2017 Total | 0 | 0 | 0 | 0 | 0.0 | | |
| | | | | | | | |
| 2018 Total | 0 | 0 | 0 | 0 | 0.0 | | |
| | | | | | | | |
| 2019 Other | 0 | 24,781 | 0 | 24,781 | 0.0 | TPDLB20161205113834747 | |
| Explanation: DIMP DREAMS capital activity is increasing miles being replaced. | | | | | | | |
| 2019 Total | 0 | 24,781 | 0 | 24,781 | 0.0 | | |
| | | | | | | | |

Area: TIMP & DIMP Witness: Maria T. Martinez

Budget Code: 09546.0 Category: B. DIMP

Category-Sub: 1. Distribution Integrity Mgmt Program
Workpaper Group: 095460 - Distribution Integrity Mgmt Program

Determination of Adjusted-Recorded:

| | 2012 (\$000) | 2013 (\$000) | 2014 (\$000) | 2015 (\$000) | 2016 (\$000) |
|--------------------------|---------------|--------------|--------------|--------------|--------------|
| Recorded (Nominal \$)* | | | | | |
| Labor | 281 | 430 | 442 | 372 | 741 |
| Non-Labor | 1,093 | 1,710 | 1,455 | 3,838 | 21,481 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| Total | 1,374 | 2,140 | 1,896 | 4,210 | 22,223 |
| FTE | 4.2 | 6.3 | 6.5 | 5.1 | 10.3 |
| 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 (Nom | ninal \$) | | | | |
| Labor | 281 | 430 | 442 | 372 | 741 |
| Non-Labor | 1,093 | 1,710 | 1,455 | 3,838 | 21,481 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| Total | 1,374 | 2,140 | 1,896 | 4,210 | 22,223 |
| FTE | 4.2 | 6.3 | 6.5 | 5.1 | 10.3 |
| Vacation & Sick (Nomina | l \$) | | | | |
| Labor | 41 | 68 | 71 | 57 | 123 |
| Non-Labor | 0 | 0 | 0 | 0 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| Total | 41 | 68 | 71 | 57 | 123 |
| FTE | 0.7 | 1.1 | 1.2 | 0.9 | 1.9 |
| Escalation to 2016\$ | | | | | |
| Labor | -5 | -5 | -11 | -3 | 0 |
| Non-Labor | -18 | -18 | -31 | -29 | 0 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| Total | -23 | -24 | -42 | -32 | 0 |
| FTE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Recorded-Adjusted (Cons | stant 2016\$) | | | | |
| Labor | 316 | 493 | 501 | 426 | 864 |
| Non-Labor | 1,075 | 1,692 | 1,423 | 3,809 | 21,481 |
| NSE | 0 | 0 | 0 | 0 | 0 |
| Total | 1,392 | 2,184 | 1,925 | 4,235 | 22,346 |
| FTE | 4.9 | 7.4 | 7.7 | 6.0 | 12.2 |
| | | | | | |

^{*} After company-wide exclusions of Non-GRC costs

^{**} Refer to "Detail of Adjustments to Recorded" page for line item adjustments

Area: TIMP & DIMP Witness: Maria T. Martinez

Budget Code: 09546.0 Category: B. DIMP

Category-Sub: 1. Distribution Integrity Mgmt Program
Workpaper Group: 095460 - Distribution Integrity Mgmt Program

Summary of Adjustments to Recorded:

| In Nominal \$(000) | | | | | | |
|--------------------|-------|------|------|------|------|------|
| | Years | 2012 | 2013 | 2014 | 2015 | 2016 |
| Labor | - | 0 | 0 | 0 | 0 | 0 |
| Non-Labor | | 0 | 0 | 0 | 0 | 0 |
| NSE | | 0 | 0 | 0 | 0 | 0 |
| | Total | 0 - | 0 | 0 | 0 | 0 |
| FTE | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Year Adj Group Labor NLbr NSE Total FTE | RefID |
|---|-------|
|---|-------|

Beginning of Workpaper Sub Details for Workpaper Group 095460

Area: TIMP & DIMP
Witness: Maria T. Martinez

Budget Code: 09546.0 Category: B. DIMP

Category-Sub: 1. Distribution Integrity Mgmt Program
Workpaper Group: 095460 - Distribution Integrity Mgmt Program

Workpaper Detail: 095460.001 - RAMP - Base BC 9546 is SDG&E DIMP DREAMS

In-Service Date: Not Applicable

Description:

RAMP - Base BC 9546 is SDG&E DIMP DREAMS

| Forecast In 2016 \$(000) | | | | | | |
|--------------------------|-------|--------|--------|--------|--|--|
| | Years | 2017 | 2018 | 2019 | | |
| Labor | | 404 | 404 | 404 | | |
| Non-Labor | | 19,815 | 19,815 | 21,942 | | |
| NSE | | 0 | 0 | 0 | | |
| | Total | 20,219 | 20,219 | 22,346 | | |
| FTE | | 6.0 | 6.0 | 6.0 | | |

Area: TIMP & DIMP Witness: Maria T. Martinez

Budget Code: 09546.0 Category: B. DIMP

Category-Sub: 1. Distribution Integrity Mgmt Program

Workpaper Group: 095460 - Distribution Integrity Mgmt Program

Workpaper Detail: 095460.001 - RAMP - Base BC 9546 is SDG&E DIMP DREAMS

RAMP Item # 1

RAMP Chapter: SDG&E-16
Program Name: DIMP DREAMS

Program Description: Distribution Integrity Management Programs - DREAMS

Risk/Mitigation:

Risk: Catastrophic Damage involving medium and non-DOT pipeline failure

Mitigation: #1

Forecast CPUC Cost Estimates (\$000)

| | <u>2017</u> | <u>2018</u> | <u>2019</u> |
|------|-------------|-------------|-------------|
| Low | 19,000 | 19,000 | 20,000 |
| High | 21,000 | 21,000 | 40,000 |

Funding Source: CPUC-GRC Forecast Method: Zero-Based

Work Type: Mandated
Work Type Citation: na

Historical Embedded Cost Estimates (\$000)

Embedded Costs: 22346

Explanation:

Area: TIMP & DIMP
Witness: Maria T. Martinez

Budget Code: 09546.0 Category: B. DIMP

Category-Sub: 1. Distribution Integrity Mgmt Program

Workpaper Group: 095460 - Distribution Integrity Mgmt Program

Workpaper Detail: 095460.002 - RAMP - Incremental BC 9546 is SDG&E DIMP DREAMS

In-Service Date: Not Applicable

Description:

RAMP - Incremental BC 9546 is SDG&E DIMP DREAMS

| Forecast In 2016 \$(000) | | | | | | |
|--------------------------|-------|------|------|--------|--|--|
| | Years | 2017 | 2018 | 2019 | | |
| Labor | | 0 | 0 | 0 | | |
| Non-Labor | | 0 | 0 | 22,654 | | |
| NSE | | 0 | 0 | 0 | | |
| | Total | 0 | 0 | 22,654 | | |
| FTE | | 0.0 | 0.0 | 0.0 | | |

Area: TIMP & DIMP Witness: Maria T. Martinez

Budget Code: 09546.0 Category: B. DIMP

Category-Sub: 1. Distribution Integrity Mgmt Program
Workpaper Group: 095460 - Distribution Integrity Mgmt Program

Workpaper Detail: 095460.002 - RAMP - Incremental BC 9546 is SDG&E DIMP DREAMS

RAMP Item # 1

RAMP Chapter: SDG&E-16

Program Name: RAMP - Incremental BC 9546 is SDG&E DIMP DREAMS

Program Description: DIMP DREAMS

Risk/Mitigation:

Risk: none Mitigation: na

Forecast CPUC Cost Estimates (\$000)

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

Funding Source: CPUC-GRC Forecast Method: Zero-Based

Work Type: Mandated
Work Type Citation: na

Historical Embedded Cost Estimates (\$000)

Embedded Costs: 0

Explanation: