

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-WP)

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-WP - TIMP & DIMP**

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**Overall Summary For Exhibit No. SDG&E-11-WP**

<b>Area:</b>	<b>TIMP &amp; DIMP</b>
<b>Witness:</b>	<b>Maria T. Martinez</b>

Description	In 2016 \$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2016	2017	2018	2019
<b>Non-Shared Services</b>	7,744	11,484	11,484	11,000
<b>Shared Services</b>	0	0	0	0
<b>Total</b>	<b>7,744</b>	<b>11,484</b>	<b>11,484</b>	<b>11,000</b>

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

Area: TIMP & DIMP  
 Witness: Maria T. Martinez

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

Description	In 2016 \$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
		2016	2017	2018
A. TIMP	4,717	5,451	5,451	5,000
B. DIMP	3,027	6,033	6,033	6,000
<b>Total</b>	<b>7,744</b>	<b>11,484</b>	<b>11,484</b>	<b>11,000</b>

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: TIMP & DIMP  
Witness: Maria T. Martinez  
Category: A. TIMP  
Workpaper: 1TD000.000

**Summary for Category: A. TIMP**

	In 2016\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2016	2017	2018	2019
Labor	499	559	559	559
Non-Labor	4,218	4,892	4,892	4,441
NSE	0	0	0	0
<b>Total</b>	<u>4,717</u>	<u>5,451</u>	<u>5,451</u>	<u>5,000</u>
FTE	5.5	7.0	7.0	7.0

**Workpapers belonging to this Category:**

**1TD000.000 TIMP**

Labor	499	559	559	559
Non-Labor	4,218	4,892	4,892	4,441
NSE	0	0	0	0
<b>Total</b>	<u>4,717</u>	<u>5,451</u>	<u>5,451</u>	<u>5,000</u>
FTE	5.5	7.0	7.0	7.0

*Note: Totals may include rounding differences.*

**Beginning of Workpaper  
1TD000.000 - TIMP**

San Diego Gas & Electric Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: TIMP & DIMP  
Witness: Maria T. Martinez  
Category: A. TIMP  
Category-Sub: 1. TIMP  
Workpaper: 1TD000.000 - TIMP

**Activity Description:**

The activity is for SDG&E TIMP O&M work which includes ILI, ECDA, P&M, and G&A.

**Forecast Explanations:**

**Labor - Zero-Based**

This is for company labor to perform the activities described in "Activity Description".

**Non-Labor - Zero-Based**

This is for nonlabor to perform the activities described in "Activity Description"

**NSE - Zero-Based**

na

**Summary of Results:**

		In 2016\$ (000) Incurred Costs								
		Adjusted-Recorded					Adjusted-Forecast			
Years		2012	2013	2014	2015	2016	2017	2018	2019	
Labor		803	244	306	545	499	559	559	559	
Non-Labor		4,104	3,842	4,692	3,478	4,218	4,892	4,892	4,441	
NSE		0	0	0	0	0	0	0	0	
<b>Total</b>		<b>4,908</b>	<b>4,086</b>	<b>4,998</b>	<b>4,023</b>	<b>4,717</b>	<b>5,451</b>	<b>5,451</b>	<b>5,000</b>	
FTE		7.9	2.6	3.2	5.9	5.4	7.0	7.0	7.0	

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: TIMP & DIMP  
Witness: Maria T. Martinez  
Category: A. TIMP  
Category-Sub: 1. TIMP  
Workpaper: 1TD000.000 - TIMP

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	Zero-Based	0	0	0	559	559	559	559	559	559
Non-Labor	Zero-Based	0	0	0	4,892	4,892	4,441	4,892	4,892	4,441
NSE	Zero-Based	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>5,451</b>	<b>5,451</b>	<b>5,000</b>	<b>5,451</b>	<b>5,451</b>	<b>5,000</b>
FTE	Zero-Based	0.0	0.0	0.0	7.0	7.0	7.0	7.0	7.0	7.0

**Forecast Adjustment Details:**

Year	Adj Group	Labor	NLbr	NSE	Total	FTE	Adj Type	RefID	
2017	RAMP Base	499	4,218	0	4,717	0.0	1-Sided Adj	TPDLB20161204162750897	
<b>Explanation:</b>		Zero based forecast used for TIMP SDG&E O&M. This portion is RAMP Base, which matches 2016 amount.							
2017	RAMP Base	0	0	0	0	7.0	1-Sided Adj	TPDLB20161205074846700	
<b>Explanation:</b>		Zero Based forecast used for FTE TIMP O&M SDG&E							
2017	RAMP Incremental	60	674	0	734	0.0	1-Sided Adj	TPDLB20170623122629293	
<b>Explanation:</b>		This is the portion of TIMP zero based forecast that is incremental to 2016							
<b>2017 Total</b>		<b>559</b>	<b>4,892</b>	<b>0</b>	<b>5,451</b>	<b>7.0</b>			
2018	RAMP Base	499	4,218	0	4,717	0.0	1-Sided Adj	TPDLB20161204162827017	
<b>Explanation:</b>		Zero based forecast used for SDG&E TIMP O&M. This portion is RAMP Base, which matches 2016 amount.							
2018	RAMP Base	0	0	0	0	7.0	1-Sided Adj	TPDLB20161205074919510	
<b>Explanation:</b>		Zero Based forecast used for FTE TIMP O&M SDG&E							
2018	RAMP Incremental	60	674	0	734	0.0	1-Sided Adj	TPDLB20170623122959297	
<b>Explanation:</b>		This is the portion of TIMP zero based forecast that is incremental to 2016.							
<b>2018 Total</b>		<b>559</b>	<b>4,892</b>	<b>0</b>	<b>5,451</b>	<b>7.0</b>			
2019	RAMP Base	499	4,218	0	4,717	0.0	1-Sided Adj	TPDLB20161204162857767	

Note: Totals may include rounding differences.

SDG&E/TIMP & DIMP/Exh No:SDG&E-11-WP/Witness: M. Martinez



San Diego Gas & Electric Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

Area: TIMP & DIMP  
 Witness: Maria T. Martinez  
 Category: A. TIMP  
 Category-Sub: 1. TIMP  
 Workpaper: 1TD000.000 - TIMP

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj_Type</u>	<u>RefID</u>
<b>Explanation:</b>		Zero based forecast used for SDG&E TIMP O&M. This portion is RAMP Base, which matches 2016 amount.						
2019	RAMP Base	0	0	0	0	7.0	1-Sided Adj	TPDLB20161205074952213
<b>Explanation:</b>		Zero Based forecast used for FTE TIMP O&M SDG&E						
2019	RAMP Incremental	60	223	0	283	0.0	1-Sided Adj	TPDLB20170623123216990
<b>Explanation:</b>		This is the portion of TIMP zero based forecast that is incremental to 2016.						
<b>2019 Total</b>		<b>559</b>	<b>4,441</b>	<b>0</b>	<b>5,000</b>	<b>7.0</b>		

*Note: Totals may include rounding differences.*

SDG&E/TIMP & DIMP/Exh No:SDG&E-11-WP/Witness: M. Martinez

San Diego Gas & Electric Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: TIMP & DIMP  
Witness: Maria T. Martinez  
Category: A. TIMP  
Category-Sub: 1. TIMP  
Workpaper: 1TD000.000 - TIMP

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	642	197	252	461	428
Non-Labor	3,946	3,756	4,665	3,456	4,218
NSE	0	0	0	0	0
<b>Total</b>	<b>4,588</b>	<b>3,952</b>	<b>4,917</b>	<b>3,917</b>	<b>4,646</b>
FTE	6.8	2.2	2.7	5.0	4.6
<b>Adjustments (Nominal \$) **</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	642	197	252	461	428
Non-Labor	3,946	3,756	4,665	3,456	4,218
NSE	0	0	0	0	0
<b>Total</b>	<b>4,588</b>	<b>3,952</b>	<b>4,917</b>	<b>3,917</b>	<b>4,646</b>
FTE	6.8	2.2	2.7	5.0	4.6
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	93	31	40	71	71
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>93</b>	<b>31</b>	<b>40</b>	<b>71</b>	<b>71</b>
FTE	1.1	0.4	0.5	0.9	0.8
<b>Escalation to 2016\$</b>					
Labor	68	16	14	13	0
Non-Labor	158	87	27	22	0
NSE	0	0	0	0	0
<b>Total</b>	<b>227</b>	<b>103</b>	<b>41</b>	<b>35</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	803	244	306	545	499
Non-Labor	4,104	3,842	4,692	3,478	4,218
NSE	0	0	0	0	0
<b>Total</b>	<b>4,908</b>	<b>4,086</b>	<b>4,998</b>	<b>4,023</b>	<b>4,717</b>
FTE	7.9	2.6	3.2	5.9	5.4

\* 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.

San Diego Gas & Electric Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

Area: TIMP & DIMP  
 Witness: Maria T. Martinez  
 Category: A. TIMP  
 Category-Sub: 1. TIMP  
 Workpaper: 1TD000.000 - TIMP

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
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
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: TIMP & DIMP  
Witness: Maria T. Martinez  
Category: A. TIMP  
Category-Sub: 1. TIMP  
Workpaper: 1TD000.000 - TIMP

**RAMP Item # 1**

Ref ID: TPDLB20161204162750897

RAMP Chapter: SDG&E-10

Program Name: ILI - ECDA - Integrity Assessments

Program Description: Cleaning and assessing internal conditions of hi pressure pipelines, external assesment of hi pressure pipelines, assessing the integrity of current hi pressure pipelines through ILI data

**Risk/Mitigation:**

Risk: Catastrophic damage involving hi pressure pipeline

Mitigation: Transmission integrity management program is closely monitored and given high priority.

**Forecast CPUC Cost Estimates (\$000)**

	<u>2017</u>	<u>2018</u>	<u>2019</u>
Low	6,262	6,257	6,292
High	6,944	6,939	6,988

Funding Source: CPUC-GRC

Forecast Method: Zero-Based

Work Type: Mandated

Work Type Citation: test

**Historical Embedded Cost Estimates (\$000)**

Embedded Costs: 4717

Explanation: All of 2016 is RAMP related.

San Diego Gas & Electric Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: TIMP & DIMP  
Witness: Maria T. Martinez  
Category: B. DIMP  
Workpaper: 1TD000.001

**Summary for Category: B. DIMP**

	In 2016\$ (000) Incurred Costs			
	Adjusted-Recorded	Adjusted-Forecast		
	2016	2017	2018	2019
Labor	513	1,472	1,472	1,472
Non-Labor	2,514	4,561	4,561	4,528
NSE	0	0	0	0
<b>Total</b>	<b>3,027</b>	<b>6,033</b>	<b>6,033</b>	<b>6,000</b>
FTE	5.6	18.0	18.0	18.0

**Workpapers belonging to this Category:**

**1TD000.001 DIMP**

Labor	513	1,472	1,472	1,472
Non-Labor	2,514	4,561	4,561	4,528
NSE	0	0	0	0
<b>Total</b>	<b>3,027</b>	<b>6,033</b>	<b>6,033</b>	<b>6,000</b>
FTE	5.6	18.0	18.0	18.0

*Note: Totals may include rounding differences.*

**Beginning of Workpaper**  
**1TD000.001 - DIMP**

San Diego Gas & Electric Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: TIMP & DIMP  
Witness: Maria T. Martinez  
Category: B. DIMP  
Category-Sub: 1. DIMP  
Workpaper: 1TD000.001 - DIMP

**Activity Description:**

The activity is for DIMP O&M projects such as DIMP DREAMS, GIPP, SLIP, DRIP, G&A and other misc DIMP projects

**Forecast Explanations:**

**Labor - Zero-Based**

This is the company labor for the activities described in "Activity Description"

**Non-Labor - Zero-Based**

This is the nonlabor used for the activities described in "Activity Description"

**NSE - Zero-Based**

na

**Summary of Results:**

		<b>In 2016\$ (000) Incurred Costs</b>								
		<b>Adjusted-Recorded</b>					<b>Adjusted-Forecast</b>			
<b>Years</b>		<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	
Labor		1,314	993	1,160	991	513	1,472	1,472	1,472	
Non-Labor		4,745	2,327	1,042	657	2,514	4,561	4,561	4,528	
NSE		0	0	0	0	0	0	0	0	
<b>Total</b>		<b>6,059</b>	<b>3,320</b>	<b>2,202</b>	<b>1,649</b>	<b>3,027</b>	<b>6,033</b>	<b>6,033</b>	<b>6,000</b>	
FTE		15.9	12.2	13.5	10.9	5.6	18.0	18.0	18.0	

*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: TIMP & DIMP  
Witness: Maria T. Martinez  
Category: B. DIMP  
Category-Sub: 1. DIMP  
Workpaper: 1TD000.001 - DIMP

**Summary of Adjustments to Forecast:**

In 2016 \$(000) Incurred Costs										
Forecast Method		Base Forecast			Forecast Adjustments			Adjusted-Forecast		
Years		2017	2018	2019	2017	2018	2019	2017	2018	2019
Labor	Zero-Based	0	0	0	1,472	1,472	1,472	1,472	1,472	1,472
Non-Labor	Zero-Based	0	0	0	4,561	4,561	4,528	4,561	4,561	4,528
NSE	Zero-Based	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>6,033</b>	<b>6,033</b>	<b>6,000</b>	<b>6,033</b>	<b>6,033</b>	<b>6,000</b>
FTE	Zero-Based	0.0	0.0	0.0	18.0	18.0	18.0	18.0	18.0	18.0

**Forecast Adjustment Details:**

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>	
2017	RAMP Base	513	2,514	0	3,027	0.0	1-Sided Adj	TPDLB20161204163142237	
<b>Explanation:</b>		Zero based forecasted used for SDG&E DIMP O&M. This portion is RAMP Base, which matches 2016 amount.							
2017	RAMP Base	0	0	0	0	18.0	1-Sided Adj	TPDLB20161205075048463	
<b>Explanation:</b>		Zero Based forecast used for FTE DIMP O&M SDG&E							
2017	RAMP Incremental	959	2,047	0	3,006	0.0	1-Sided Adj	TPDLB20170623123638727	
<b>Explanation:</b>		This is the portion of DIMP zero based forecast that is incremental to 2016.							
<b>2017 Total</b>		<b>1,472</b>	<b>4,561</b>	<b>0</b>	<b>6,033</b>	<b>18.0</b>			

2018 RAMP Base 513 2,514 0 3,027 0.0 1-Sided Adj TPDLB20161204163215050

**Explanation:** Zero based forecast used for SDG&E DIMP O&M. This portion is RAMP Base, which matches 2016 amount.

2018 RAMP Base 0 0 0 0 18.0 1-Sided Adj TPDLB20161205075124697

**Explanation:** Zero Based forecast used for FTE DIMP O&M SDG&E

2018 RAMP Incremental 959 2,047 0 3,006 0.0 1-Sided Adj TPDLB20170623123814913

**Explanation:** This is the portion of DIMP zero based forecast that is incremental to 2016.

**2018 Total 1,472 4,561 0 6,033 18.0**

2019 RAMP Base 513 2,514 0 3,027 0.0 1-Sided Adj TPDLB20161204163250830

Note: Totals may include rounding differences.

SDG&E/TIMP & DIMP/Exh No:SDG&E-11-WP/Witness: M. Martinez



San Diego Gas & Electric Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

Area: TIMP & DIMP  
 Witness: Maria T. Martinez  
 Category: B. DIMP  
 Category-Sub: 1. DIMP  
 Workpaper: 1TD000.001 - DIMP

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>Total</u>	<u>FTE</u>	<u>Adj_Type</u>	<u>RefID</u>
<b>Explanation:</b> Zero based forecast used for SDG&E DIMP O&M. This portion is RAMP Base, which matches 2016 amount.								
2019	RAMP Base	0	0	0	0	18.0	1-Sided Adj	TPDLB20161205075154490
<b>Explanation:</b> Zero Based forecast used for FTE DIMP O&M SDG&E								
2019	RAMP Incremental	959	2,014	0	2,973	0.0	1-Sided Adj	TPDLB20170623124034943
<b>Explanation:</b> This is the portion of DIMP zero based forecast that is incremental to 2016.								
<b>2019 Total</b>		<b>1,472</b>	<b>4,528</b>	<b>0</b>	<b>6,000</b>	<b>18.0</b>		

Note: Totals may include rounding differences.

SDG&E/TIMP & DIMP/Exh No:SDG&E-11-WP/Witness: M. Martinez

San Diego Gas & Electric Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: TIMP & DIMP  
Witness: Maria T. Martinez  
Category: B. DIMP  
Category-Sub: 1. DIMP  
Workpaper: 1TD000.001 - DIMP

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

	2012 (\$000)	2013 (\$000)	2014 (\$000)	2015 (\$000)	2016 (\$000)
<b>Recorded (Nominal \$)*</b>					
Labor	1,050	802	955	839	440
Non-Labor	4,562	2,275	1,036	653	2,514
NSE	0	0	0	0	0
<b>Total</b>	<b>5,612</b>	<b>3,076</b>	<b>1,992</b>	<b>1,492</b>	<b>2,954</b>
FTE	13.8	10.4	11.4	9.3	4.7
<b>Adjustments (Nominal \$) **</b>					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	1,050	802	955	839	440
Non-Labor	4,562	2,275	1,036	653	2,514
NSE	0	0	0	0	0
<b>Total</b>	<b>5,612</b>	<b>3,076</b>	<b>1,992</b>	<b>1,492</b>	<b>2,954</b>
FTE	13.8	10.4	11.4	9.3	4.7
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	152	127	153	130	73
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>152</b>	<b>127</b>	<b>153</b>	<b>130</b>	<b>73</b>
FTE	2.2	1.8	2.1	1.6	0.9
<b>Escalation to 2016\$</b>					
Labor	111	64	52	23	0
Non-Labor	183	53	6	4	0
NSE	0	0	0	0	0
<b>Total</b>	<b>295</b>	<b>117</b>	<b>58</b>	<b>27</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
<b>Recorded-Adjusted (Constant 2016\$)</b>					
Labor	1,314	993	1,160	991	513
Non-Labor	4,745	2,327	1,042	657	2,514
NSE	0	0	0	0	0
<b>Total</b>	<b>6,059</b>	<b>3,320</b>	<b>2,202</b>	<b>1,649</b>	<b>3,027</b>
FTE	16.0	12.2	13.5	10.9	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.

San Diego Gas & Electric Company  
 2019 GRC - APP  
 Non-Shared Service Workpapers

Area: TIMP & DIMP  
 Witness: Maria T. Martinez  
 Category: B. DIMP  
 Category-Sub: 1. DIMP  
 Workpaper: 1TD000.001 - DIMP

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs					
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
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0

<u>Year</u>	<u>Adj Group</u>	<u>Labor</u>	<u>NLbr</u>	<u>NSE</u>	<u>FTE</u>	<u>Adj Type</u>	<u>RefID</u>
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*Note: Totals may include rounding differences.*

San Diego Gas & Electric Company  
2019 GRC - APP  
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Area: TIMP & DIMP  
Witness: Maria T. Martinez  
Category: B. DIMP  
Category-Sub: 1. DIMP  
Workpaper: 1TD000.001 - DIMP

**RAMP Item # 1**

Ref ID: TPDLB20161204163142237

RAMP Chapter: SDG&E-16

Program Name: GIPP - Anodeless Riser DRIP - SLIP - DIMP DREAMS

Program Description: Program in place to protect assets by building infrastructure to protect gas equipment - addresses the threat of failures of anodeless risers - addresses an emerging issue concerning pipeline damage associated with sewer laterals - risk evaluation and monitoring of distribution systems

**Risk/Mitigation:**

Risk: Catastrophic damage involving medium pressure pipe

Mitigation: programs in place to minimize infrastruce damage due to vehicles or equipment striking above ground

**Forecast CPUC Cost Estimates (\$000)**

	<u>2017</u>	<u>2018</u>	<u>2019</u>
Low	222	222	222
High	300	300	300

Funding Source: CPUC-GRC

Forecast Method: Zero-Based

Work Type: Mandated

Work Type Citation: test

**Historical Embedded Cost Estimates (\$000)**

Embedded Costs: 3027

Explanation: All of 2016 DIMP is related to RAMP

San Diego Gas & Electric Company  
2019 GRC - APP  
Non-Shared Service Workpapers

Area: TIMP & DIMP  
Witness: Maria T. Martinez

**Appendix A: List of Non-Shared Cost Centers**

<b>Cost Center</b>	<b>Sub</b>	<b>Description</b>
2100-0167	000	GAS DISTRIBUTION SERVICES DIRECTOR-TIMP
2100-3419	000	GAS TRANSMISSION SPECIAL PROJECTS-TIMP
2100-3569	000	PIPELINE INTEGRITY DIRECT ASSESSMENT-TIMP
2100-3595	000	SDG&E PIPELINE INTEGRITY EVALUATIONS-TIMP
2100-3827	000	PROJ MGR - GAS INFRAS PROTECTION PRGM-TIMP
2100-3828	000	PROJ MGR - SEWER LATERAL INSPECT PRGM-TIMP
2100-3902	000	PROJ MGR - ANODLESS RISER PRGM-TIMP
2100-3909	000	GIS STRATEGY & APPS-TIMP