

Application of SAN DIEGO GAS & ELECTRIC )  
COMPANY for authority to update its gas and )  
electric revenue requirement and base rates )  
effective January 1, 2028 (U 902-M) )

Application No.: A.26-06-XXX

Exhibit No.: (SDGE-06-WP)

WORKPAPERS TO  
PREPARED DIRECT TESTIMONY  
OF DEVIN K. ZORNIZER  
ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY

BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA

JUNE 2026



2028 General Rate Case - Application

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**Exhibit SDGE-06-WP - GAS MAJOR PROJECTS**

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**Overall Summary For Exhibit No. SDGE-06-WP**

<b>Area:</b>	<b>GAS MAJOR PROJECTS</b>
<b>Witness:</b>	<b>Devin K. Zornizer</b>

**In 2025 \$ (000) Incurred Costs**

Description	Adjusted-Recorded	Adjusted-Forecast					
	2025	2026	2027	2028	2029	2030	2031
<b>Non-Shared Services</b>	30,786	21,761	25,609	37,895	37,895	37,895	37,895
<b>Shared Services</b>	0	0	0	0	0	0	0
<b>Total</b>	<b>30,786</b>	<b>21,761</b>	<b>25,609</b>	<b>37,895</b>	<b>37,895</b>	<b>37,895</b>	<b>37,895</b>

*Note: Totals may include rounding differences.*

Area: GAS MAJOR PROJECTS

Witness: Devin K. Zornizer

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

In 2025 \$ (000) Incurred Costs

Description	Adjusted-Recorded	Adjusted-Forecast					
	2025	2026	2027	2028	2029	2030	2031
A. TIMP Execution	30,786	21,761	25,609	34,638	34,638	34,638	34,638
B. HP Distribution Assessments Execution	0	0	0	3,257	3,257	3,257	3,257
<b>Total</b>	<b>30,786</b>	<b>21,761</b>	<b>25,609</b>	<b>37,895</b>	<b>37,895</b>	<b>37,895</b>	<b>37,895</b>

Note: Totals may include rounding differences.

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Workpaper:** 1MP002.000

**Summary for Category: A. TIMP Execution**

	In 2025\$ (000) Incurred Costs						
	Adjusted-Recorded	Adjusted-Forecast					
	2025	2026	2027	2028	2029	2030	2031
Labor	1,563	1,497	1,497	1,479	1,479	1,479	1,479
Non-Labor	29,223	20,264	24,112	33,159	33,159	33,159	33,159
NSE	0	0	0	0	0	0	0
<b>Total</b>	<b>30,786</b>	<b>21,761</b>	<b>25,609</b>	<b>34,638</b>	<b>34,638</b>	<b>34,638</b>	<b>34,638</b>
FTE	10.9	10.1	10.1	10.1	10.1	10.1	10.1

**Workpapers belonging to this Category:**

**1MP002.000 TIMP Execution**

Labor	1,563	1,497	1,497	1,479	1,479	1,479	1,479
Non-Labor	29,223	20,264	24,112	33,159	33,159	33,159	33,159
NSE	0	0	0	0	0	0	0
<b>Total</b>	<b>30,786</b>	<b>21,761</b>	<b>25,609</b>	<b>34,638</b>	<b>34,638</b>	<b>34,638</b>	<b>34,638</b>
FTE	10.9	10.1	10.1	10.1	10.1	10.1	10.1
<b>Unit Measure: Miles</b>							
Units	36	35	63	28	28	28	28

*Note: Totals may include rounding differences.*

**Beginning of Workpaper  
1MP002.000 - TIMP Execution**

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Category-Sub:** 1. TIMP Project Execution  
**Workpaper:** 1MP002.000 - TIMP Execution  
**Unit Measure:** Miles

**Activity Description:**

TIMP assessments, remediation and corrosion related work in compliance with 49 CFR Part 192, Subpart O, as well as requirements of 49 CFR § 192.710.

**Forecast Explanations:**

**Labor - 3-YR Average**

SDG&E company labor in support of the TIMP. The forecast method selected for this workpaper is three year average. This method is most appropriate because the 2023-2025 most closely represents the current level of activity after changes in federal regulations. Adjustments to the 3YA have been made to reflect the level of activity in forecasted years. Additionally, in order to account for the increased uncertainty and variability in year to year activities during the 2028-2031 cycle, SDG&E has normalized the level of activity for 2028-2031.

**Non-Labor - 3-YR Average**

SDG&E non-labor costs (e.g., contracts) in support of the TIMP. The forecast method selected for this workpaper is three year average. This method is most appropriate because the 2023-2025 most closely represents the current level of activity after changes in federal regulations. Adjustments to the 3YA have been made to reflect the level of activity in forecasted years. Additionally, in order to account for the increased uncertainty and variability in year to year activities during the 2028-2031 cycle, SDG&E has normalized the level of activity for 2028-2031.

**NSE - 3-YR Average**

Not Applicable

**Units - 3-YR Average**

The costs are driven primarily by TIMP assessments, which are unitized and forecasted by the number of projects (ILI) or the amount of mileage (ECDA). For the purposes of calculating Benefit Cost Ratios, SDG&E is forecasting the number of miles each year.

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Category-Sub:** 1. TIMP Project Execution  
**Workpaper:** 1MP002.000 - TIMP Execution  
**Unit Measure:** Miles

**Summary of Results:**

Years	In 2025\$ (000) Incurred Costs										
	Adjusted Recorded					Adjusted Forecast					
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Labor	1,251	877	1,247	1,451	1,563	1,497	1,497	1,479	1,479	1,479	1,479
Non-Labor	8,681	8,271	30,491	29,487	29,223	20,263	24,111	33,158	33,158	33,158	33,158
NSE	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>9,932</b>	<b>9,148</b>	<b>31,738</b>	<b>30,938</b>	<b>30,786</b>	<b>21,760</b>	<b>25,608</b>	<b>34,637</b>	<b>34,637</b>	<b>34,637</b>	<b>34,637</b>
FTE	10.1	4.7	9.0	10.5	10.9	10.1	10.1	10.1	10.1	10.1	10.1
Units	44	19	44	12	36	35	63	28	28	28	28

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Category-Sub:** 1. TIMP Project Execution  
**Workpaper:** 1MP002.000 - TIMP Execution  
**Unit Measure:** Miles

**Summary of Adjustments to Forecast:**

In 2025 \$(000) Incurred Costs																		
Years	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
	2026	2027	2028	2029	2030	2031	2026	2027	2028	2029	2030	2031	2026	2027	2028	2029	2030	2031
Labor	1,420	1,420	1,420	1,420	1,420	1,420	77	77	59	59	59	59	1,497	1,497	1,479	1,479	1,479	1,479
NLbr	29,733	29,733	29,733	29,733	29,733	29,733	-9,470	-5,622	3,425	3,425	3,425	3,425	20,263	24,111	33,158	33,158	33,158	33,158
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>31,153</b>	<b>31,153</b>	<b>31,153</b>	<b>31,153</b>	<b>31,153</b>	<b>31,153</b>	<b>-9,393</b>	<b>-5,545</b>	<b>3,484</b>	<b>3,484</b>	<b>3,484</b>	<b>3,484</b>	<b>21,760</b>	<b>25,608</b>	<b>34,637</b>	<b>34,637</b>	<b>34,637</b>	<b>34,637</b>
FTE	10.1	10.1	10.1	10.1	10.1	10.1	0.0	0.0	0.0	0.0	0.0	0.0	10.1	10.1	10.1	10.1	10.1	10.1
Units	30	30	30	30	30	30	5	33	-2	-2	-2	-2	35	63	28	28	28	28

**Forecast Adjustment Details:**

Year	Labor (3-YR Average)	NLbr (3-YR Average)	NSE (3-YR Average)	Total	FTE	Units (3-YR Average)	Adj_Type
2026	0	-9,470	0	-9,470	0.0	5	1-Sided Adj
<b>Explanation:</b>	This adjustment reflects changes to the forecast from the three year average. The change in cost is driven by the type and amount of assessments planned to comply with enhanced federal regulations.						
2026	77	0	0	77	0.0	0	1-Sided Adj
<b>Explanation:</b>	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.						
<b>2026 Total</b>	<b>77</b>	<b>-9,470</b>	<b>0</b>	<b>-9,393</b>	<b>0.0</b>	<b>5</b>	
2027	0	-5,622	0	-5,622	0.0	33	1-Sided Adj

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Category-Sub:** 1. TIMP Project Execution  
**Workpaper:** 1MP002.000 - TIMP Execution  
**Unit Measure:** Miles

Year	Labor (3-YR Average)	NLbr (3-YR Average)	NSE (3-YR Average)	Total	FTE	Units (3-YR Average)	Adj_Type
<b>Explanation:</b> This adjustment reflects changes to the forecast from the three year average. The change in cost is driven by the type and amount of assessments planned to comply with enhanced federal regulations.							
2027	77	0	0	77	0.0	0	1-Sided Adj
<b>Explanation:</b> Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.							
<b>2027 Total</b>	<b>77</b>	<b>-5,622</b>	<b>0</b>	<b>-5,545</b>	<b>0.0</b>	<b>33</b>	
2028	0	3,425	0	3,425	0.0	-2	1-Sided Adj
<b>Explanation:</b> This adjustment reflects changes to the forecast from the three year average. The change in cost is driven by the type and amount of assessments planned to comply with enhanced federal regulations.							
2028	59	0	0	59	0.0	0	1-Sided Adj
<b>Explanation:</b> Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.							
<b>2028 Total</b>	<b>59</b>	<b>3,425</b>	<b>0</b>	<b>3,484</b>	<b>0.0</b>	<b>-2</b>	
2029	0	3,425	0	3,425	0.0	-2	1-Sided Adj
<b>Explanation:</b> This adjustment reflects changes to the forecast from the three year average. The change in cost is driven by the type and amount of assessments planned to comply with enhanced federal regulations.							
2029	59	0	0	59	0.0	0	1-Sided Adj
<b>Explanation:</b> Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.							
<b>2029 Total</b>	<b>59</b>	<b>3,425</b>	<b>0</b>	<b>3,484</b>	<b>0.0</b>	<b>-2</b>	

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Category-Sub:** 1. TIMP Project Execution  
**Workpaper:** 1MP002.000 - TIMP Execution  
**Unit Measure:** Miles

Year	Labor (3-YR Average)	NLbr (3-YR Average)	NSE (3-YR Average)	Total	FTE	Units (3-YR Average)	Adj_Type
2030	0	3,425	0	3,425	0.0	-2	1-Sided Adj
<b>Explanation:</b>	This adjustment reflects changes to the forecast from the three year average. The change in cost is driven by the type and amount of assessments planned to comply with enhanced federal regulations.						
2030	59	0	0	59	0.0	0	1-Sided Adj
<b>Explanation:</b>	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.						
<b>2030 Total</b>	<b>59</b>	<b>3,425</b>	<b>0</b>	<b>3,484</b>	<b>0.0</b>	<b>-2</b>	
2031	0	3,425	0	3,425	0.0	-2	1-Sided Adj
<b>Explanation:</b>	This adjustment reflects changes to the forecast from the three year average. The change in cost is driven by the type and amount of assessments planned to comply with enhanced federal regulations.						
2031	59	0	0	59	0.0	0	1-Sided Adj
<b>Explanation:</b>	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.						
<b>2031 Total</b>	<b>59</b>	<b>3,425</b>	<b>0</b>	<b>3,484</b>	<b>0.0</b>	<b>-2</b>	

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Category-Sub:** 1. TIMP Project Execution  
**Workpaper:** 1MP002.000 - TIMP Execution  
**Unit Measure:** Miles

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

	2021	2022	2023	2024	2025
<b>Recorded (Nominal \$)*</b>					
Labor	949	722	1,081	1,207	1,427
Non-Labor	7,477	8,145	29,465	28,271	29,158
NSE	0	0	0	0	0
<b>Total</b>	<b>8,426</b>	<b>8,866</b>	<b>30,546</b>	<b>29,478</b>	<b>30,584</b>
FTE	8.8	6.0	8.2	8.9	9.6
Units	0	0	0	0	0
<b>Adjustments (Nominal \$) **</b>					
Labor	-21	-41	-64	25	-64
Non-Labor	-302	-500	-441	413	66
NSE	0	0	0	0	0
<b>Total</b>	<b>-323</b>	<b>-541</b>	<b>-505</b>	<b>438</b>	<b>2</b>
FTE	-0.2	-2.0	-0.4	0.2	-0.3
Units	44	19	44	12	36
<b>Recorded-Adjusted (Nominal \$)</b>					
Labor	928	681	1,017	1,232	1,363
Non-Labor	7,175	7,645	29,024	28,685	29,223
NSE	0	0	0	0	0
<b>Total</b>	<b>8,103</b>	<b>8,326</b>	<b>30,041</b>	<b>29,917</b>	<b>30,587</b>
FTE	8.6	4.0	7.8	9.1	9.3
Units	44	19	44	12	36
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	140	99	141	167	200

San Diego Gas & Electric Company  
 2028 GRC - APPLICATION  
 Non-Shared Service Workpapers

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Category-Sub:** 1. TIMP Project Execution  
**Workpaper:** 1MP002.000 - TIMP Execution  
**Unit Measure:** Miles

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

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
<b>Total</b>	<b>140</b>	<b>99</b>	<b>141</b>	<b>167</b>	<b>200</b>
FTE	1.5	0.7	1.2	1.4	1.6
Units	0	0	0	0	0
<b>Escalation to 2025\$</b>					
Labor	183	97	89	52	0
Non-Labor	1,505	626	1,467	802	0
NSE	0	0	0	0	0
<b>Total</b>	<b>1,689</b>	<b>723</b>	<b>1,556</b>	<b>854</b>	<b>0</b>
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
<b>Recorded-Adjusted (Constant 2025\$)</b>					
Labor	1,251	877	1,247	1,451	1,563
Non-Labor	8,681	8,271	30,491	29,487	29,223
NSE	0	0	0	0	0
<b>Total</b>	<b>9,932</b>	<b>9,148</b>	<b>31,738</b>	<b>30,938</b>	<b>30,786</b>
FTE	10.1	4.7	9.0	10.5	10.9
Units	44	19	44	12	36

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

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

Note: Totals may include rounding differences.

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Category-Sub:** 1. TIMP Project Execution  
**Workpaper:** 1MP002.000 - TIMP Execution  
**Unit Measure:** Miles

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs						
Years	2021	2022	2023	2024	2025	
Labor	-21	-41	-64	25	-64	
Non-Labor	-302	-500	-441	413	66	
NSE	0	0	0	0	0	
<b>Total</b>	<b>-323</b>	<b>-541</b>	<b>-505</b>	<b>438</b>	<b>2</b>	
FTE	-0.2	-2.0	-0.4	0.2	-0.3	
Units	44	19	44	12	36	

**Detail of Adjustments to Recorded in Nominal \$:**

Year	Labor	NLbr	NSE	FTE	Units	Adj Type
2021	0	80	0	0.0	0	1-Sided Adj
<b>Explanation:</b>	Adding 6900200 (directs) due to it being a balanced direct cost for TIMP.					
2021	-12	-380	0	-0.1	0	CCTR Transf To 2100-4212.001
<b>Explanation:</b>	This adjustment transfers Labor FTEs and Non-Labor costs associated with TIMP Programmatic Costs from Cost Center 2100-3419 (as reflected in workpaper 1MP002.000 - TIMP Project Execution) to Cost Center 2100-4212.001 (as reflected in workpaper 1EN004.000 - TIMP PROGRAM MANAGEMENT)					
2021	0	0	0	0.0	44	1-Sided Adj

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Category-Sub:** 1. TIMP Project Execution  
**Workpaper:** 1MP002.000 - TIMP Execution  
**Unit Measure:** Miles

Year	Labor	NLbr	NSE	FTE	Units	Adj Type
<b>Explanation:</b> Unit measure and count added.						
2021	-9	-2	0	-0.1	0	1-Sided Adj
<b>Explanation:</b> Adjustment to remove non-refundable program support costs from TIMP Workpaper.						
<b>2021 Total</b>	<b>-21</b>	<b>-302</b>	<b>0</b>	<b>-0.2</b>	<b>44</b>	
2022	0	1	0	0.0	0	1-Sided Adj
<b>Explanation:</b> Adding 6900200 (directs) due to it being a balanced direct cost for TIMP.						
2022	0	0	0	0.0	19	1-Sided Adj
<b>Explanation:</b> Unit measure and count added.						
2022	-40	-496	0	-2.0	0	CCTR Transf To 2100-4212.001
<b>Explanation:</b> This adjustment transfers Labor FTEs and Non-Labor costs associated with TIMP Programmatic Costs from Cost Center 2100-3419 (as reflected in workpaper 1MP002.000 - TIMP Project Execution) to Cost Center 2100-4212.001 (as reflected in workpaper 1EN004.000 - TIMP PROGRAM MANAGEMENT)						
2022	0	-5	0	0.0	0	1-Sided Adj
<b>Explanation:</b> Adjustment to remove non-refundable program support costs from TIMP Workpaper.						
<b>2022 Total</b>	<b>-41</b>	<b>-500</b>	<b>0</b>	<b>-2.0</b>	<b>19</b>	

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Category-Sub:** 1. TIMP Project Execution  
**Workpaper:** 1MP002.000 - TIMP Execution  
**Unit Measure:** Miles

Year	Labor	NLbr	NSE	FTE	Units	Adj Type
2023	0	0	0	0.0	44	1-Sided Adj
<b>Explanation:</b>	Unit measure and count added.					
2023	-64	-426	0	-0.4	0	CCTR Transf To 2100-4212.001
<b>Explanation:</b>	This adjustment transfers Labor FTEs and Non-Labor costs associated with TIMP Programmatic Costs from Cost Center 2100-3419 (as reflected in workpaper 1MP002.000 - TIMP Project Execution) to Cost Center 2100-4212.001 (as reflected in workpaper 1EN004.000 - TIMP PROGRAM MANAGEMENT)					
2023	0	-15	0	0.0	0	1-Sided Adj
<b>Explanation:</b>	Adjustment to remove non-refundable program support costs from TIMP Workpaper.					
<b>2023 Total</b>	<b>-64</b>	<b>-441</b>	<b>0</b>	<b>-0.4</b>	<b>44</b>	
2024	0	1	0	0.0	0	1-Sided Adj
<b>Explanation:</b>	Adding 2100-3744 (major projects) cost center costs categorized as non-GRC because they are balanced as part of TIMP.					
2024	0	0	0	0.0	12	1-Sided Adj
<b>Explanation:</b>	Unit measure and count added.					
2024	29	425	0	0.2	0	CCTR Transf To 2100-4212.001

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Category-Sub:** 1. TIMP Project Execution  
**Workpaper:** 1MP002.000 - TIMP Execution  
**Unit Measure:** Miles

Year	Labor	NLbr	NSE	FTE	Units	Adj Type
<b>Explanation:</b> This adjustment transfers Labor FTEs and Non-Labor costs associated with TIMP Programmatic Costs from Cost Center 2100-3419 (as reflected in workpaper 1MP002.000 - TIMP Project Execution) to Cost Center 2100-4212.001 (as reflected in workpaper 1EN004.000 - TIMP PROGRAM MANAGEMENT)						
2024	-4	-12	0	0.0	0	1-Sided Adj
<b>Explanation:</b> Adjustment to remove non-refundable program support costs from TIMP Workpaper.						
<b>2024 Total</b>	<b>25</b>	<b>413</b>	<b>0</b>	<b>0.2</b>	<b>12</b>	
2025	0	73	0	0.0	0	CCTR Transf From 2100-4212.001
<b>Explanation:</b> This adjustment transfers Non-Labor costs associated with TIMP Execution from Cost Center 2100-4212.001 (as reflected in workpaper 1EN004.000 - TIMP PROGRAM MANAGEMENT) to Cost Center 2100-3419 (as reflected in workpaper 1MP002.000 - TIMP Project Execution)						
2025	0	-20	0	0.0	0	1-Sided Adj
<b>Explanation:</b> Adjustment to remove non-refundable program support costs from TIMP Workpaper.						
2025	0	12	0	0.0	0	1-Sided Adj
<b>Explanation:</b> Adjustment completed to incorporate TIMP Project Execution Costs erroneously excluded.						
2025	-63	0	0	-0.3	0	CCTR Transf To 2100-4212.001
<b>Explanation:</b> Adjustment from the GOMP-TIMP execution costs WP to the GOEN-TIMP programmatic costs WP to align TIMP program management costs with the appropriate cost center where the activities are operationally based and forecasted.						

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** A. TIMP Execution  
**Category-Sub:** 1. TIMP Project Execution  
**Workpaper:** 1MP002.000 - TIMP Execution  
**Unit Measure:** Miles

Year	Labor	NLbr	NSE	FTE	Units	Adj Type
2025	0	0	0	0.0	36	1-Sided Adj
<b>Explanation:</b> Adjustment to include unit measure.						
<b>2025 Total</b>	<b>-64</b>	<b>66</b>	<b>0</b>	<b>-0.3</b>	<b>36</b>	

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** B. HP Distribution Assessments Execution  
**Workpaper:** 1MP002.002

**Summary for Category: B. HP Distribution Assessments Execution**

	In 2025\$ (000) Incurred Costs						
	Adjusted-Recorded	Adjusted-Forecast					
	2025	2026	2027	2028	2029	2030	2031
Labor	0	0	0	459	459	459	459
Non-Labor	0	0	0	2,798	2,798	2,798	2,798
NSE	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,257</b>	<b>3,257</b>	<b>3,257</b>	<b>3,257</b>
FTE	0.0	0.0	0.0	1.8	1.8	1.8	1.8

**Workpapers belonging to this Category:**

**1MP002.002 HP Distribution Assessments Execution**

Labor	0	0	0	459	459	459	459
Non-Labor	0	0	0	2,798	2,798	2,798	2,798
NSE	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,257</b>	<b>3,257</b>	<b>3,257</b>	<b>3,257</b>
FTE	0.0	0.0	0.0	1.8	1.8	1.8	1.8
<b>Unit Measure: Miles</b>							
Units	0	0	0	1	1	1	1

*Note: Totals may include rounding differences.*

**Beginning of Workpaper**  
**1MP002.002 - HP Distribution Assessments Execution**

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** B. HP Distribution Assessments Execution  
**Category-Sub:** 1. Pipeline Project Delivery  
**Workpaper:** 1MP002.002 - HP Distribution Assessments Execution  
**Unit Measure:** Miles

**Activity Description:**

The Company intends to conduct integrity assessments on high priority, high-pressure (HP) distribution pipeline segments operating under 20% SMYS and above 60 psig. These pipelines, while regulated as distribution, operate near the upper stress limits and may share integrity threats common to vintage transmission lines, including manufacturing-related defects. Limited historical failure data and previously unavailable inspection methods have made it difficult to accurately assess risk for these higher -stress distribution segments. This effort will better characterize pipeline condition and integrity risk. A complete and accurate understanding of the pipeline system is fundamental to effective risk analysis and is critical to ensuring the safe and reliable operation of SDG&E's pipeline infrastructure. Advanced integrity assessment methods, such as robotic in-line inspection (ILI), will enable a more comprehensive understanding of the baseline condition and threats on HP distribution pipelines. A total of two HP distribution segments were identified for pre-assessment. Refer to supplemental workpaper for more detail.

**Forecast Explanations:**

**Labor - Zero-Based**

Labor forecasts are established using a zero-based methodology, informed by historical cost and execution experience from comparable ILI projects, in support of high-pressure distribution assessment activities. Additional detail is provided in the supplemental workpaper.

**Non-Labor - Zero-Based**

Non-labor forecasts are established using a zero-based methodology, informed by historical cost and execution experience from comparable ILI projects, in support of high-pressure distribution assessment activities. Additional detail is provided in the supplemental workpaper.

**NSE - Zero-Based**

Not Applicable

**Units - Zero-Based**

Miles

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** B. HP Distribution Assessments Execution  
**Category-Sub:** 1. Pipeline Project Delivery  
**Workpaper:** 1MP002.002 - HP Distribution Assessments Execution  
**Unit Measure:** Miles

**Summary of Results:**

Years	Adjusted Recorded					Adjusted Forecast					
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Labor	0	0	0	0	0	0	0	459	459	459	459
Non-Labor	0	0	0	0	0	0	0	2,798	2,798	2,798	2,798
NSE	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,257</b>	<b>3,257</b>	<b>3,257</b>	<b>3,257</b>
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
Units	0	0	0	0	0	0	0	1	1	1	1

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** B. HP Distribution Assessments Execution  
**Category-Sub:** 1. Pipeline Project Delivery  
**Workpaper:** 1MP002.002 - HP Distribution Assessments Execution  
**Unit Measure:** Miles

**Summary of Adjustments to Forecast:**

In 2025 \$(000) Incurred Costs																		
Years	Base Forecast						Forecast Adjustments						Adjusted-Forecast					
	2026	2027	2028	2029	2030	2031	2026	2027	2028	2029	2030	2031	2026	2027	2028	2029	2030	2031
Labor	0	0	441	441	441	441	0	0	18	18	18	18	0	0	459	459	459	459
NLbr	0	0	2,798	2,798	2,798	2,798	0	0	0	0	0	0	0	0	2,798	2,798	2,798	2,798
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>3,239</b>	<b>3,239</b>	<b>3,239</b>	<b>3,239</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>3,257</b>	<b>3,257</b>	<b>3,257</b>	<b>3,257</b>
FTE	0.0	0.0	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
Units	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1

**Forecast Adjustment Details:**

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)	Adj_Type
<b>2026 Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	
<b>2027 Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	
2028	18	0	0	18	0.0	0	1-Sided Adj
<b>2028 Total</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0.0</b>	<b>0</b>	
2029	18	0	0	18	0.0	0	1-Sided Adj

**Explanation:** Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** B. HP Distribution Assessments Execution  
**Category-Sub:** 1. Pipeline Project Delivery  
**Workpaper:** 1MP002.002 - HP Distribution Assessments Execution  
**Unit Measure:** Miles

Year	Labor (Zero-Based)	NLbr (Zero-Based)	NSE (Zero-Based)	Total	FTE	Units (Zero-Based)	Adj_Type
<b>Explanation:</b> Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.							
<b>2029 Total</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0.0</b>	0	
2030	18	0	0	18	0.0	0	1-Sided Adj
<b>Explanation:</b> Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.							
<b>2030 Total</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0.0</b>	0	
2031	18	0	0	18	0.0	0	1-Sided Adj
<b>Explanation:</b> Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.							
<b>2031 Total</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0.0</b>	0	

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** B. HP Distribution Assessments Execution  
**Category-Sub:** 1. Pipeline Project Delivery  
**Workpaper:** 1MP002.002 - HP Distribution Assessments Execution  
**Unit Measure:** Miles

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

	2021	2022	2023	2024	2025
<b>Recorded (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
Units	0	0	0	0	0
<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
Units	0	0	0	0	0
<b>Recorded-Adjusted (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
Units	0	0	0	0	0
<b>Vacation &amp; Sick (Nominal \$)</b>					
Labor	0	0	0	0	0

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** B. HP Distribution Assessments Execution  
**Category-Sub:** 1. Pipeline Project Delivery  
**Workpaper:** 1MP002.002 - HP Distribution Assessments Execution  
**Unit Measure:** Miles

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

	2021	2022	2023	2024	2025
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
Units	0	0	0	0	0
<b>Escalation to 2025\$</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
Units	0	0	0	0	0
<b>Recorded-Adjusted (Constant 2025\$)</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
Units	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:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** B. HP Distribution Assessments Execution  
**Category-Sub:** 1. Pipeline Project Delivery  
**Workpaper:** 1MP002.002 - HP Distribution Assessments Execution  
**Unit Measure:** Miles

**Summary of Adjustments to Recorded:**

In Nominal \$ (000) Incurred Costs						
Years	2021	2022	2023	2024	2025	
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	
Units	0	0	0	0	0	

**Detail of Adjustments to Recorded in Nominal \$:**

Year	Labor	NLbr	NSE	FTE	Units	Adj Type
<b>2021 Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	
<b>2022 Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	
<b>2023 Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	
<b>2024 Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	
2025	0	0	0	0.0	0	1-Sided Adj

**Explanation:** Adjustment created to include unit of measure.

*Note: Totals may include rounding differences.*

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer  
**Category:** B. HP Distribution Assessments Execution  
**Category-Sub:** 1. Pipeline Project Delivery  
**Workpaper:** 1MP002.002 - HP Distribution Assessments Execution  
**Unit Measure:** Miles

Year	Labor	NLbr	NSE	FTE	Units	Adj Type
2025 Total	0	0	0	0.0	0	

*Note: Totals may include rounding differences.*

**Supplemental Workpapers for Workpaper 1MP002.002**

**SDGE O&M HP Distribution Assessments Execution Supplemental Workpaper**

Workpaper: 1MP002.002

Spend	2028	2029	2030	2031
<b>Total Projected Spend</b>	<b>\$3,257,000</b>	<b>\$3,257,000</b>	<b>\$3,257,000</b>	<b>\$3,257,000</b>
<b>O&amp;M Spend</b>	\$3,257,000	\$3,257,000	\$3,257,000	\$3,257,000
<b>Mileage</b>	1	1	1	1

Note: The forecasted costs shown above are based on the total costs of the HP segments identified below and have been normalized across the GRC cycle.

Pipeline	Mileage	Suggested Tool	Labor	Non-Labor	Total Cost
HP Segment A	1.8	Robotic	\$ 1,417,542	\$ 8,650,000	<b>\$ 10,067,542</b>
HP Segment B	0.9	Robotic	\$ 420,458	\$ 2,540,000	<b>\$ 2,960,458</b>
<b>Total</b>	<b>2.7</b>				

<b>PROJECT COST ASSUMPTIONS</b>
- Robotic Inspection (O&M): ~\$2MM covers up to 2 miles of robotic ILI and applies only to O&M costs.
- Multiple Diameters: Each diameter requires its own robotic inspection and its own stopple retrofit (e.g., 3 diameters → 3 ILIs ≈ \$6MM O&M).
- Plug Valve Consideration: If the stopple is at a plug valve, only one retrofit is required; if a separate excavation is needed, add ~\$2MM.
- Baseline Dig Assumptions: Assume 1 O&M dig (~\$500K), with costs driven by diameter and environmental constraints.
- Additional O&M costs are included for unplanned repairs that may be identified through the assessments, this fluctuates per project.
- O&M Labor 12% and Non-Labor 88%.

**Note: HP segments selected for forecast are preliminary and subject to change pending further evaluation.**

San Diego Gas & Electric Company  
2028 GRC - APPLICATION  
Non-Shared Service Workpapers

**Area:** GAS MAJOR PROJECTS  
**Witness:** Devin K. Zornizer

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

<u>Cost Center</u>	<u>Sub</u>	<u>Description</u>
2100-3419	000	PIPELINE INTEGRITY CONSTRUCTION SDG&E
2100-3595	000	ECDA SDG&E
2100-4212	000	IM ASSESSMENTS FOR HP PIPELINES