

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-10-CWP)

CAPITAL WORKPAPERS TO
PREPARED DIRECT TESTIMONY
OF DARREN WEIM
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
INDEX OF WORKPAPERS**

Exhibit SDGE-10-CWP - ELECTRIC GENERATION

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Overall Summary For Exhibit No. SDGE-10-CWP

Area:	ELECTRIC GENERATION
Witness:	Darren Weim

In 2025 \$ (000)

		Adjusted-Forecast					
		2026	2027	2028	2029	2030	2031
A. Generation Capital Tools & Test Equipment	133	103	103	103	103	103	103
B. Generation Plant Operational Enhancements	13,089	13,089	12,000	12,000	12,000	12,000	12,000
Total	13,222	13,192	12,103	12,103	12,103	12,103	12,103

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Category: A. Generation Capital Tools & Test Equipment
Workpaper: 000060

Summary for Category: A. Generation Capital Tools & Test Equipment

	In 2025\$ (000) Incurred Costs						
	Adjusted-Recorded	Adjusted-Forecast					
	2025	2026	2027	2028	2029	2030	2031
Labor	0	0	0	0	0	0	0
Non-Labor	103	133	103	103	103	103	103
NSE	0	0	0	0	0	0	0
Total	103	133	103	103	103	103	103
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Workpapers belonging to this Category:

000060 GENERATION CAPITAL TOOLS & TEST EQPT.

Labor	0	0	0	0	0	0	0
Non-Labor	103	133	103	103	103	103	103
NSE	0	0	0	0	0	0	0
Total	103	133	103	103	103	103	103
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unit Measure: N/A							
Units	0	0	0	0	0	0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group
000060 - GENERATION CAPITAL TOOLS & TEST EQPT.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00006.0
Category: A. Generation Capital Tools & Test Equipment
Category-Sub: 1. Generation Capital Tools & Test Equipment
Workpaper Group: 000060 - GENERATION CAPITAL TOOLS & TEST EQPT.
Unit Measure: N/A

Summary of Results (Constant 2025 \$ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Labor	Base YR Rec	0	0	0	0	0	0	0	0	0	0	0
Non-Labor	Base YR Rec	63	52	41	78	103	133	103	103	103	103	103
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	0	0
Total		63	52	41	78	103	133	103	103	103	103	103
FTE	Base YR Rec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Units	Base YR Rec	0	0	0	0	0	0	0	0	0	0	0

Business Purpose:

Purchase of tools and test equipment for use at the generating facilities. It is often necessary to replace or upgrade tools for power plant inspections, maintenance and repairs. New and improved tools have the potential to increase employee safety and productivity.

Physical Description:

Tools and test equipment.

Project Justification:

Necessary to replace or upgrade tools for power plant inspections, maintenance and repairs. New and improved tools have the potential to increase employee safety and productivity.

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00006.0
Category: A. Generation Capital Tools & Test Equipment
Category-Sub: 1. Generation Capital Tools & Test Equipment
Workpaper Group: 000060 - GENERATION CAPITAL TOOLS & TEST EQPT.
Unit Measure: N/A

Forecast Methodology:

Labor - Base YR Rec

Base Year Recorded forecast method was selected for this cost category . There is no labor associated with the purchase of Tools and Test Equipment.

Non-Labor - Base YR Rec

Base Year Recorded forecast method was selected for this cost category . Various types of tools and test equipment are purchased for use by operations and maintenance personnel. The Base Year represents a reasonable foundation to forecast future purchases .

NSE - Base YR Rec

N/A

Units - Base YR Rec

Due to the variety of purchases in this category, it is infeasible to identify a single unit of measurement.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00006.0
Category: A. Generation Capital Tools & Test Equipment
Category-Sub: 1. Generation Capital Tools & Test Equipment
Workpaper Group: 000060 - GENERATION CAPITAL TOOLS & TEST EQPT.
Unit Measure: N/A

Summary of Adjustments to Forecast:

In 2025 \$ (000)																		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NLbr	103	103	103	103	103	103	30	0	0	0	0	0	133	103	103	103	103	103
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	103	103	103	103	103	103	30	0	0	0	0	0	133	103	103	103	103	103
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Forecast Adjustment Details:

Year	Labor (Base YR Rec)	NLbr (Base YR Rec)	NSE (Base YR Rec)	Total	FTE	Units (Base YR Rec)
2026	0	30	0	30	0.0	0

Explanation: Forecast adjustment for purchase of an electric work cart for DSEC.

2026 Total	0	30	0	30	0.0	0
2027 Total	0	0	0	0	0.0	0
2028 Total	0	0	0	0	0.0	0
2029 Total	0	0	0	0	0.0	0
2030 Total	0	0	0	0	0.0	0

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00006.0
Category: A. Generation Capital Tools & Test Equipment
Category-Sub: 1. Generation Capital Tools & Test Equipment
Workpaper Group: 000060 - GENERATION CAPITAL TOOLS & TEST EQPT.
Unit Measure: N/A

Year	Labor (Base YR Rec)	NLbr (Base YR Rec)	NSE (Base YR Rec)	Total	FTE	Units (Base YR Rec)
2031 Total	0	0	0	0	0.0	0

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00006.0
Category: A. Generation Capital Tools & Test Equipment
Category-Sub: 1. Generation Capital Tools & Test Equipment
Workpaper Group: 000060 - GENERATION CAPITAL TOOLS & TEST EQPT.
Unit Measure: N/A

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal \$)*					
Labor	0	0	0	0	0
Non-Labor	50	46	38	77	103
NSE	0	0	0	0	0
Total	50	46	38	77	103
FTE	0.0	0.0	0.0	0.0	0.0
Units	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
Units	0	0	0	0	0
Recorded-Adjusted (Nominal \$)					
Labor	0	0	0	0	0
Non-Labor	50	46	38	77	103
NSE	0	0	0	0	0
Total	50	46	38	77	103
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Vacation & Sick (Nominal \$)					
Labor	0	0	0	0	0

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00006.0
Category: A. Generation Capital Tools & Test Equipment
Category-Sub: 1. Generation Capital Tools & Test Equipment
Workpaper Group: 000060 - GENERATION CAPITAL TOOLS & TEST EQPT.
Unit Measure: N/A

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
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
Units	0	0	0	0	0
Escalation to 2025\$					
Labor	0	0	0	0	0
Non-Labor	13	6	3	2	0
NSE	0	0	0	0	0
Total	13	6	3	2	0
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025\$)					
Labor	0	0	0	0	0
Non-Labor	63	52	41	78	103
NSE	0	0	0	0	0
Total	63	52	41	78	103
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: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00006.0
Category: A. Generation Capital Tools & Test Equipment
Category-Sub: 1. Generation Capital Tools & Test Equipment
Workpaper Group: 000060 - GENERATION CAPITAL TOOLS & TEST EQPT.
Unit Measure: N/A

Summary of Adjustments to Recorded:

In Nominal \$(000)					
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
Total	0	0	0	0	0
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0

Year	Labor	NLbr	NSE	Total	FTE	Units

Note: Totals may include rounding differences.

**Beginning of Workpaper Sub Details for
Workpaper Group 000060**

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00006.0
Category: A. Generation Capital Tools & Test Equipment
Category-Sub: 1. Generation Capital Tools & Test Equipment
Workpaper Group: 000060 - GENERATION CAPITAL TOOLS & TEST EQPT.
Workpaper Detail: 000060.001 - Purchase of tools and test equipment for use at the generating facilities
Unit Measure: N/A

In-Service Date: Not Applicable

Description:

Purchase of tools and test equipment for use at the generating facilities. It is often necessary to replace or upgrade tools for power plant inspections, maintenance and repairs. New and improved tools have the potential to increase employee safety and productivity.

Forecast In 2025 \$(000)

Years	2026	2027	2028	2029	2030	2031
Labor	0	0	0	0	0	0
Non-Labor	133	103	103	103	103	103
NSE	0	0	0	0	0	0
Total	133	103	103	103	103	103
FTE	0.0	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0	0

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Category: B. Generation Plant Operational Enhancements
Workpaper: VARIOUS

Summary for Category: B. Generation Plant Operational Enhancements

	In 2025\$ (000) Incurred Costs						
	Adjusted-Recorded	Adjusted-Forecast					
	2025	2026	2027	2028	2029	2030	2031
Labor	185	109	109	91	91	91	91
Non-Labor	15,516	12,980	12,980	11,909	11,909	11,909	11,909
NSE	0	0	0	0	0	0	0
Total	15,701	13,089	13,089	12,000	12,000	12,000	12,000
FTE	0.9	0.6	0.6	0.4	0.4	0.4	0.4

Workpapers belonging to this Category:

000090 PALOMAR PLANT OPERATIONAL ENHANCEMENTS

Labor	27	28	28	28	28	28	28
Non-Labor	4,654	4,654	4,654	4,654	4,654	4,654	4,654
NSE	0	0	0	0	0	0	0
Total	4,681	4,682	4,682	4,682	4,682	4,682	4,682
FTE	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Unit Measure: N/A

Units	0	0	0	0	0	0	0
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000100 DESERT STAR ENERGY CTR OPER. ENHANCE.

Labor	140	63	63	63	63	63	63
Non-Labor	10,429	6,822	6,822	6,822	6,822	6,822	6,822
NSE	0	0	0	0	0	0	0
Total	10,569	6,885	6,885	6,885	6,885	6,885	6,885
FTE	0.7	0.3	0.3	0.3	0.3	0.3	0.3

Unit Measure: N/A

Units	0	0	0	0	0	0	0
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Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Category: B. Generation Plant Operational Enhancements
Workpaper: VARIOUS

	In 2025\$ (000) Incurred Costs						
	Adjusted-Recorded	Adjusted-Forecast					
	2025	2026	2027	2028	2029	2030	2031
000080 MIRAMAR PLANT OPERATIONAL ENHANCEMENTS							
Labor	8	8	8	0	0	0	0
Non-Labor	283	947	947	283	283	283	283
NSE	0	0	0	0	0	0	0
Total	291	955	955	283	283	283	283
FTE	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Unit Measure: N/A							
Units	0	0	0	0	0	0	0
000110 CUYAMACA PEAK ENERGY PLANT OPER ENHANCE							
Labor	10	10	10	0	0	0	0
Non-Labor	150	557	557	150	150	150	150
NSE	0	0	0	0	0	0	0
Total	160	567	567	150	150	150	150
FTE	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Unit Measure: N/A							
Units	0	0	0	0	0	0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group
000090 - PALOMAR PLANT OPERATIONAL ENHANCEMENTS

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00009.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 1. Palomar Plant Operational Enhancements
Workpaper Group: 000090 - PALOMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Summary of Results (Constant 2025 \$ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Labor	Base YR Rec	3	21	47	27	27	28	28	28	28	28	28
Non-Labor	Base YR Rec	11,102	5,417	6,542	4,895	4,654	4,654	4,654	4,654	4,654	4,654	4,654
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	0	0
Total		11,104	5,438	6,590	4,921	4,681	4,682	4,682	4,682	4,682	4,682	4,682
FTE	Base YR Rec	0.0	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Units	Base YR Rec	0	0	0	0	0	0	0	0	0	0	0

Business Purpose:

The purpose of Palomar Energy Center (PEC) Operational Enhancements is to provide for capital additions and improvements at the Palomar Energy Center.

Physical Description:

The Palomar Energy Center (PEC) is a 588 megawatt gas-fired combined-cycle plant with 2 GE 7 FA model combustion turbines and a GE steam turbine. Representative capital projects are based on improving the overall reliability, efficiency, functionality, and safety of the facility.

Project Justification:

Improvements and additions are continuous at the facility and are evaluated based on their ability to increase the overall reliability, efficiency, functionality, and safety of the facility.

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00009.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 1. Palomar Plant Operational Enhancements
Workpaper Group: 000090 - PALOMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Forecast Methodology:

Labor - Base YR Rec

Base Year Recorded method was selected for PEC Operational Enhancements because it represents a reasonable foundation for projecting capital project needs as it includes a variety of planned and unplanned enhancements required for the safe and reliable operation of the facility.

Non-Labor - Base YR Rec

Base Year Recorded method was selected for PEC Operational Enhancements because it represents a reasonable foundation for projecting capital project needs as it includes a variety of planned and unplanned enhancements required for the safe and reliable operation of the facility.

NSE - Base YR Rec

N/A

Units - Base YR Rec

Due to the variety of work activities in this category, it is infeasible to identify a single unit of measurement.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00009.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 1. Palomar Plant Operational Enhancements
Workpaper Group: 000090 - PALOMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Summary of Adjustments to Forecast:

In 2025 \$ (000)																		
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	27	27	27	27	27	27	1	1	1	1	1	1	28	28	28	28	28	28
NLbr	4,654	4,654	4,654	4,654	4,654	4,654	0	0	0	0	0	0	4,654	4,654	4,654	4,654	4,654	4,654
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4,681	4,681	4,681	4,681	4,681	4,681	1	1	1	1	1	1	4,682	4,682	4,682	4,682	4,682	4,682
FTE	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Forecast Adjustment Details:

Year	Labor (Base YR Rec)	NLbr (Base YR Rec)	NSE (Base YR Rec)	Total	FTE	Units (Base YR Rec)
2026	1	0	0	1	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2026 Total	1	0	0	1	0.0	0
2027	1	0	0	1	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2027 Total	1	0	0	1	0.0	0

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00009.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 1. Palomar Plant Operational Enhancements
Workpaper Group: 000090 - PALOMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Year	Labor (Base YR Rec)	NLbr (Base YR Rec)	NSE (Base YR Rec)	Total	FTE	Units (Base YR Rec)
2028	1	0	0	1	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2028 Total	1	0	0	1	0.0	0
2029	1	0	0	1	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2029 Total	1	0	0	1	0.0	0
2030	1	0	0	1	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	1	0	0	1	0.0	0
2031	1	0	0	1	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	1	0	0	1	0.0	0

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00009.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 1. Palomar Plant Operational Enhancements
Workpaper Group: 000090 - PALOMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal \$)*					
Labor	2	16	39	23	23
Non-Labor	8,860	4,762	6,079	4,789	4,725
NSE	0	0	0	0	0
Total	8,862	4,778	6,117	4,812	4,748
FTE	0.0	0.1	0.3	0.1	0.1
Units	0	0	0	0	0
Adjustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	-71
NSE	0	0	0	0	0
Total	0	0	0	0	-71
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Nominal \$)					
Labor	2	16	39	23	23
Non-Labor	8,860	4,762	6,079	4,789	4,654
NSE	0	0	0	0	0
Total	8,862	4,778	6,117	4,812	4,678
FTE	0.0	0.1	0.3	0.1	0.1
Units	0	0	0	0	0
Vacation & Sick (Nominal \$)					
Labor	0	2	5	3	3

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00009.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 1. Palomar Plant Operational Enhancements
Workpaper Group: 000090 - PALOMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	2	5	3	3
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Escalation to 2025\$					
Labor	1	3	3	1	0
Non-Labor	2,241	655	464	106	0
NSE	0	0	0	0	0
Total	2,242	657	467	106	0
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025\$)					
Labor	3	21	47	27	27
Non-Labor	11,102	5,417	6,542	4,895	4,654
NSE	0	0	0	0	0
Total	11,104	5,438	6,590	4,921	4,681
FTE	0.0	0.1	0.3	0.1	0.1
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: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00009.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 1. Palomar Plant Operational Enhancements
Workpaper Group: 000090 - PALOMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Summary of Adjustments to Recorded:

In Nominal \$(000)					
Years	2021	2022	2023	2024	2025
Labor	0	0	0	0	0
Non-Labor	0	0	0	0	-71
NSE	0	0	0	0	0
Total	0	0	0	0	-71
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	Total	FTE	Units
2021 Total	0	0	0	0	0.0	0
2022 Total	0	0	0	0	0.0	0
2023 Total	0	0	0	0	0.0	0
2024 Total	0	0	0	0	0.0	0
2025	0	-71	0	-71	0.0	0

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00009.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 1. Palomar Plant Operational Enhancements
Workpaper Group: 000090 - PALOMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Year	Labor	NLbr	NSE	Total	FTE	Units
Explanation: Adjustment to remove charges for PEC H2 Meter Enhancement project. The H2 project was disallowed in the 2024 GRC, therefore associated projects are removed from the historical costs.						
2025 Total	0	-71	0	-71	0.0	0

Note: Totals may include rounding differences.

**Beginning of Workpaper Sub Details for
Workpaper Group 000090**

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00009.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 1. Palomar Plant Operational Enhancements
Workpaper Group: 000090 - PALOMAR PLANT OPERATIONAL ENHANCEMENTS
Workpaper Detail: 000090.001 - Provide for capital additions and improvements at Palomar Energy Center.
Unit Measure: N/A

In-Service Date: Not Applicable

Description:

The purpose of Palomar Energy Center (PEC) Operational Enhancements is to provide for capital additions and improvements at the Palomar Energy Center. The Palomar Energy Center (PEC) is a 588 megawatt gas-fired combined-cycle plant with 2 GE 7 FA model combustion turbines and a GE steam turbine. Base Year Recorded method was selected for PEC Operational Enhancements because it represents a reasonable foundation for projecting capital project needs as it includes a variety of planned and enhancements required for the safe and reliable operation of the facility. Improvements and additions are continuous at the facility and are evaluated based on their ability to increase the overall reliability, operability and safety of the facility.

Forecast In 2025 \$(000)

Years	2026	2027	2028	2029	2030	2031
Labor	28	28	28	28	28	28
Non-Labor	4,654	4,654	4,654	4,654	4,654	4,654
NSE	0	0	0	0	0	0
Total	4,682	4,682	4,682	4,682	4,682	4,682
FTE	0.1	0.1	0.1	0.1	0.1	0.1
Units	0	0	0	0	0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group
000100 - DESERT STAR ENERGY CTR OPER. ENHANCE.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00010.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 2. Desert Star Plant Operational Enhancements
Workpaper Group: 000100 - DESERT STAR ENERGY CTR OPER. ENHANCE.
Unit Measure: N/A

Summary of Results (Constant 2025 \$ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Labor	5-YR Average	0	27	16	119	140	63	63	63	63	63	63
Non-Labor	5-YR Average	12,378	4,425	2,552	4,328	10,429	6,822	6,822	6,822	6,822	6,822	6,822
NSE	5-YR Average	0	0	0	0	0	0	0	0	0	0	0
Total		12,378	4,452	2,568	4,446	10,569	6,885	6,885	6,885	6,885	6,885	6,885
FTE	5-YR Average	0.0	0.1	0.1	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3
Units	5-YR Average	0	0	0	0	0	0	0	0	0	0	0

Business Purpose:

The purpose of Desert Star Energy Center (DSEC) Operational Enhancements is to provide for capital additions and improvements at the Desert Star Energy Center.

Physical Description:

The Desert Star Energy Center (DSEC), located in Boulder City, NV, is a 480 megawatt gas-fired combined-cycle plant with 2 Siemens W501FC+ model combustion turbines and a Westinghouse steam turbine. Representative capital projects are based on improving the overall reliability, efficiency, functionality, and safety of the facility.

Project Justification:

Improvements and additions are continuous at the facility and are selected based on their ability to increase the overall reliability, efficiency, functionality, and safety of the facility.

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00010.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 2. Desert Star Plant Operational Enhancements
Workpaper Group: 000100 - DESERT STAR ENERGY CTR OPER. ENHANCE.
Unit Measure: N/A

Forecast Methodology:

Labor - 5-YR Average

5-YR Average method was selected for DSEC Operational Ehnancement. Utilizing this method blends typical and atypical expenditure years resulting in a reasonable foundation for forecasting future years.

Non-Labor - 5-YR Average

5-YR Average method was selected for DSEC Operational Ehnancement. Utilizing this method blends typical and atypical expenditure years resulting in a reasonable foundation for forecasting future years.

NSE - 5-YR Average

N/A

Units - 5-YR Average

Due to the variety of work activities in this category, it is infeasible to identify a single unit of measurement.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00010.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 2. Desert Star Plant Operational Enhancements
Workpaper Group: 000100 - DESERT STAR ENERGY CTR OPER. ENHANCE.
Unit Measure: N/A

Summary of Adjustments to Forecast:

In 2025 \$ (000)																		
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	60	60	60	60	60	60	3	3	3	3	3	3	63	63	63	63	63	63
NLbr	6,822	6,822	6,822	6,822	6,822	6,822	0	0	0	0	0	0	6,822	6,822	6,822	6,822	6,822	6,822
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6,882	6,882	6,882	6,882	6,882	6,882	3	3	3	3	3	3	6,885	6,885	6,885	6,885	6,885	6,885
FTE	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Forecast Adjustment Details:

Year	Labor (5-YR Average)	NLbr (5-YR Average)	NSE (5-YR Average)	Total	FTE	Units (5-YR Average)
2026	3	0	0	3	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2026 Total	3	0	0	3	0.0	0
2027	3	0	0	3	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2027 Total	3	0	0	3	0.0	0

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00010.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 2. Desert Star Plant Operational Enhancements
Workpaper Group: 000100 - DESERT STAR ENERGY CTR OPER. ENHANCE.
Unit Measure: N/A

Year	Labor (5-YR Average)	NLbr (5-YR Average)	NSE (5-YR Average)	Total	FTE	Units (5-YR Average)
2028	3	0	0	3	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2028 Total	3	0	0	3	0.0	0
2029	3	0	0	3	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2029 Total	3	0	0	3	0.0	0
2030	3	0	0	3	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2030 Total	3	0	0	3	0.0	0
2031	3	0	0	3	0.0	0
Explanation:	Reflects changes in connection with the compensation modernization initiative. Please refer to the Compensation and Benefits testimony, Ex. SCG-16/SDGE-20.					
2031 Total	3	0	0	3	0.0	0

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00010.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 2. Desert Star Plant Operational Enhancements
Workpaper Group: 000100 - DESERT STAR ENERGY CTR OPER. ENHANCE.
Unit Measure: N/A

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal \$)*					
Labor	0	21	13	102	122
Non-Labor	9,879	3,890	2,371	4,234	10,429
NSE	0	0	0	0	0
Total	9,879	3,911	2,384	4,337	10,551
FTE	0.0	0.1	0.1	0.6	0.6
Units	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
Units	0	0	0	0	0
Recorded-Adjusted (Nominal \$)					
Labor	0	21	13	102	122
Non-Labor	9,879	3,890	2,371	4,234	10,429
NSE	0	0	0	0	0
Total	9,879	3,911	2,384	4,337	10,551
FTE	0.0	0.1	0.1	0.6	0.6
Units	0	0	0	0	0
Vacation & Sick (Nominal \$)					
Labor	0	3	2	14	18

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00010.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 2. Desert Star Plant Operational Enhancements
Workpaper Group: 000100 - DESERT STAR ENERGY CTR OPER. ENHANCE.
Unit Measure: N/A

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	3	2	14	18
FTE	0.0	0.0	0.0	0.1	0.1
Units	0	0	0	0	0
Escalation to 2025\$					
Labor	0	3	1	3	0
Non-Labor	2,499	535	181	93	0
NSE	0	0	0	0	0
Total	2,499	538	182	96	0
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025\$)					
Labor	0	27	16	119	140
Non-Labor	12,378	4,425	2,552	4,328	10,429
NSE	0	0	0	0	0
Total	12,378	4,452	2,568	4,446	10,569
FTE	0.0	0.1	0.1	0.7	0.7
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: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00010.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 2. Desert Star Plant Operational Enhancements
Workpaper Group: 000100 - DESERT STAR ENERGY CTR OPER. ENHANCE.
Unit Measure: N/A

Summary of Adjustments to Recorded:

		In Nominal \$(000)				
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	
Total	0	0	0	0	0	
FTE	0.0	0.0	0.0	0.0	0.0	
Units	0	0	0	0	0	

Year	Labor	NLbr	NSE	Total	FTE	Units

Note: Totals may include rounding differences.

**Beginning of Workpaper Sub Details for
Workpaper Group 000100**

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00010.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 2. Desert Star Plant Operational Enhancements
Workpaper Group: 000100 - DESERT STAR ENERGY CTR OPER. ENHANCE.
Workpaper Detail: 000100.001 - Provide for capital additions and improvements at Desert Star Energy Center
Unit Measure: N/A

In-Service Date: Not Applicable

Description:

The purpose of the Desert Star Energy Center (DSEC) Operational Enhancements is to provide for capital additions and improvements. DSEC, located in Boulder City, NV, is a 480 megawatt gas-fired combined-cycle plant with 2 Siemens W501-FC+ model combustion turbines and a Westinghouse steam turbine. The 5-Year Average method was selected for DSEC Operational Enhancements because it blends typical and atypical expenditure years and provides a reasonable foundation for forecasting future years. Improvements and additions are continuous at the facility and are evaluated based on their ability to increase the overall reliability, operability and safety of the facility.

Forecast In 2025 \$(000)

Years	2026	2027	2028	2029	2030	2031
Labor	63	63	63	63	63	63
Non-Labor	6,822	6,822	6,822	6,822	6,822	6,822
NSE	0	0	0	0	0	0
Total	6,885	6,885	6,885	6,885	6,885	6,885
FTE	0.3	0.3	0.3	0.3	0.3	0.3
Units	0	0	0	0	0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group
000080 - MIRAMAR PLANT OPERATIONAL ENHANCEMENTS

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00008.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 3. Miramar Plant Operational Enhancements
Workpaper Group: 000080 - MIRAMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Summary of Results (Constant 2025 \$ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Labor	Base YR Rec	2	0	0	8	8	8	8	0	0	0	0
Non-Labor	Base YR Rec	1,262	190	376	139	283	947	947	283	283	283	283
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	0	0
Total		1,264	190	376	147	291	955	955	283	283	283	283
FTE	Base YR Rec	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Units	Base YR Rec	0	0	0	0	0	0	0	0	0	0	0

Business Purpose:

The purpose of the Miramar Plant Operational Enhancements is to provide for capital additions and improvements at the Miramar Energy Facility (MEF).

Physical Description:

The Miramar Energy Facility (MEF) is a peaking plant with two GE LM6000 turbines that together produce 92 megawatts (MEF-1 and MEF-2). This site also provides black start services used for restoration of the electric grid. Representative capital projects are based on improving the overall reliability, efficiency, functionality, and safety of the facility.

Project Justification:

Improvements and additions are continuous at the facility and are evaluated based on their ability to increase the overall reliability, efficiency, functionality, and safety of the facility.

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00008.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 3. Miramar Plant Operational Enhancements
Workpaper Group: 000080 - MIRAMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Forecast Methodology:

Labor - Base YR Rec

Base Year Recorded method was selected for MEF Operational Enhancements because it represents a reasonable foundation for projecting capital project needs as it includes a variety of planned and unplanned enhancements required for the safe and reliable operation of the facility.

Non-Labor - Base YR Rec

Base Year Recorded method was selected for MEF Operational Enhancements because it represents a reasonable foundation for projecting capital project needs as it includes a variety of planned and unplanned enhancements required for the safe and reliable operation of the facility.

NSE - Base YR Rec

N/A

Units - Base YR Rec

Due to the variety of work activities in this category, it is infeasible to identify a single unit of measurement.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00008.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 3. Miramar Plant Operational Enhancements
Workpaper Group: 000080 - MIRAMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Summary of Adjustments to Forecast:

In 2025 \$ (000)																		
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	8	8	8	8	8	8	0	0	-8	-8	-8	-8	8	8	0	0	0	0
NLbr	283	283	283	283	283	283	664	664	0	0	0	0	947	947	283	283	283	283
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	291	291	291	291	291	291	664	664	-8	-8	-8	-8	955	955	283	283	283	283
FTE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Forecast Adjustment Details:

Year	Labor (Base YR Rec)	NLbr (Base YR Rec)	NSE (Base YR Rec)	Total	FTE	Units (Base YR Rec)
2026	0	664	0	664	0.0	0
Explanation:	Adjustment to include funding for the MEF control system update project. This is a two year project that will be completed in 2027.					
2026	0	0	0	0	0.1	0
Explanation:	Adjustment to add associated FTE.					
2026 Total	0	664	0	664	0.1	0
2027	0	664	0	664	0.0	0
Explanation:	Adjustment to include funding for the MEF control system update project.					
2027	0	0	0	0	0.1	0

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00008.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 3. Miramar Plant Operational Enhancements
Workpaper Group: 000080 - MIRAMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Year	Labor (Base YR Rec)	NLbr (Base YR Rec)	NSE (Base YR Rec)	Total	FTE	Units (Base YR Rec)
Explanation: Adjustment to add associated FTE.						
2027 Total	0	664	0	664	0.1	0
2028	-8	0	0	-8	0.0	0
Explanation: Adjustment to remove nonrecurring labor from forecast years.						
2028 Total	-8	0	0	-8	0.0	0
2029	-8	0	0	-8	0.0	0
Explanation: Adjustment to remove nonrecurring labor from forecast years.						
2029 Total	-8	0	0	-8	0.0	0
2030	-8	0	0	-8	0.0	0
Explanation: Adjustment to remove nonrecurring labor from forecast years.						
2030 Total	-8	0	0	-8	0.0	0
2031	-8	0	0	-8	0.0	0
Explanation: Adjustment to remove nonrecurring labor from forecast years.						
2031 Total	-8	0	0	-8	0.0	0

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00008.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 3. Miramar Plant Operational Enhancements
Workpaper Group: 000080 - MIRAMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal \$)*					
Labor	2	0	0	6	7
Non-Labor	1,007	167	349	136	283
NSE	0	0	0	0	0
Total	1,009	167	349	143	290
FTE	0.0	0.0	0.0	0.0	0.0
Units	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
Units	0	0	0	0	0
Recorded-Adjusted (Nominal \$)					
Labor	2	0	0	6	7
Non-Labor	1,007	167	349	136	283
NSE	0	0	0	0	0
Total	1,009	167	349	143	290
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Vacation & Sick (Nominal \$)					
Labor	0	0	0	1	1

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00008.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 3. Miramar Plant Operational Enhancements
Workpaper Group: 000080 - MIRAMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	1	1
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Escalation to 2025\$					
Labor	0	0	0	0	0
Non-Labor	255	23	27	3	0
NSE	0	0	0	0	0
Total	255	23	27	3	0
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025\$)					
Labor	2	0	0	8	8
Non-Labor	1,262	190	376	139	283
NSE	0	0	0	0	0
Total	1,264	190	376	147	291
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: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00008.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 3. Miramar Plant Operational Enhancements
Workpaper Group: 000080 - MIRAMAR PLANT OPERATIONAL ENHANCEMENTS
Unit Measure: N/A

Summary of Adjustments to Recorded:

		In Nominal \$(000)				
	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
	Total	0	0	0	0	0
FTE		0.0	0.0	0.0	0.0	0.0
Units		0	0	0	0	0

Year	Labor	NLbr	NSE	Total	FTE	Units

Note: Totals may include rounding differences.

**Beginning of Workpaper Sub Details for
Workpaper Group 000080**

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00008.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 3. Miramar Plant Operational Enhancements
Workpaper Group: 000080 - MIRAMAR PLANT OPERATIONAL ENHANCEMENTS
Workpaper Detail: 000080.001 - Miramar Plant Operational Enhancements is to provide for capital additions and improvements
Unit Measure: N/A

In-Service Date: Not Applicable

Description:

The Miramar Energy Facility (MEF) is a peaking plant with two GE LM6000 turbines that together produce 92 megawatts (MEF-1 and MEF-2). This site also provides black start services used for restoration of the electric grid. Base Year Recorded method was selected for MEF Operational Enhancements because it represents a reasonable foundation for projecting capital project needs as it includes a variety of planned and unplanned enhancements required for the safe and reliable operation of the facility. Improvements and additions are continuous at the facility and are evaluated based on their ability to increase the overall reliability, operability and safety of the facility.

Forecast In 2025 \$(000)

Years	2026	2027	2028	2029	2030	2031
Labor	8	8	0	0	0	0
Non-Labor	947	947	283	283	283	283
NSE	0	0	0	0	0	0
Total	955	955	283	283	283	283
FTE	0.1	0.1	0.0	0.0	0.0	0.0
Units	0	0	0	0	0	0

Note: Totals may include rounding differences.

Beginning of Workpaper Group
000110 - CUYAMACA PEAK ENERGY PLANT OPER ENHANCE

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00011.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 4. Cuyamaca Peak Plant Operational Enhancements
Workpaper Group: 000110 - CUYAMACA PEAK ENERGY PLANT OPER ENHANCE
Unit Measure: N/A

Summary of Results (Constant 2025 \$ in 000s):

Forecast Method		Adjusted Recorded					Adjusted Forecast					
Years		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Labor	Base YR Rec	0	0	0	0	10	10	10	0	0	0	0
Non-Labor	Base YR Rec	352	1,427	402	223	150	557	557	150	150	150	150
NSE	Base YR Rec	0	0	0	0	0	0	0	0	0	0	0
Total		352	1,427	402	223	160	567	567	150	150	150	150
FTE	Base YR Rec	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Units	Base YR Rec	0	0	0	0	0	0	0	0	0	0	0

Business Purpose:

The purpose of Cuyamaca Peak Energy Plant (CPEP) Operational Enhancements is to provide for capital additions and improvements at the Cuyamaca Peak Energy Plant.

Physical Description:

The Cuyamaca Peak Energy Plant (CPEP) is a peaking plant with a Pratt & Whitney FT8 turbine generator set that produces 45 megawatts. Specific projects are not identified. Representative capital projects are based on improving the overall reliability, efficiency, functionality, and safety of the facility.

Project Justification:

Improvements and additions are continuous at the facility and are evaluated based on their ability to increase the overall reliability, efficiency, functionality, and safety of the facility.

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00011.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 4. Cuyamaca Peak Plant Operational Enhancements
Workpaper Group: 000110 - CUYAMACA PEAK ENERGY PLANT OPER ENHANCE
Unit Measure: N/A

Forecast Methodology:

Labor - Base YR Rec

Base Year Recorded method was selected for CPEP Operational Enhancements because it represents a reasonable foundation for projecting capital project needs as it includes a variety of planned and unplanned enhancements required for the safe and reliable operation of the facility.

Non-Labor - Base YR Rec

Base Year Recorded method was selected for CPEP Operational Enhancements because it represents a reasonable foundation for projecting capital project needs as it includes a variety of planned and unplanned enhancements required for the safe and reliable operation of the facility.

NSE - Base YR Rec

N/A

Units - Base YR Rec

Due to the variety of work activities in this category, it is infeasible to identify a single unit of measurement.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00011.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 4. Cuyamaca Peak Plant Operational Enhancements
Workpaper Group: 000110 - CUYAMACA PEAK ENERGY PLANT OPER ENHANCE
Unit Measure: N/A

Summary of Adjustments to Forecast:

In 2025 \$ (000)																		
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	10	10	10	10	10	10	0	0	-10	-10	-10	-10	10	10	0	0	0	0
NLbr	150	150	150	150	150	150	407	407	0	0	0	0	557	557	150	150	150	150
NSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	160	160	160	160	160	160	407	407	-10	-10	-10	-10	567	567	150	150	150	150
FTE	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.1	0.1	0.0	0.0	0.0	0.0
Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Forecast Adjustment Details:

Year	Labor (Base YR Rec)	NLbr (Base YR Rec)	NSE (Base YR Rec)	Total	FTE	Units (Base YR Rec)
2026	0	407	0	407	0.0	0
Explanation:	Adjustment to include funding for the CPEP control system update project. This is a two year project that will be completed in 2027.					
2026 Total	0	407	0	407	0.0	0
2027	0	407	0	407	0.0	0
Explanation:	Adjustment to include funding for the CPEP control system update project.					
2027 Total	0	407	0	407	0.0	0
2028	-10	0	0	-10	-0.1	0
Explanation:	Adjustment to remove nonrecurring labor from forecast years.					

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00011.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 4. Cuyamaca Peak Plant Operational Enhancements
Workpaper Group: 000110 - CUYAMACA PEAK ENERGY PLANT OPER ENHANCE
Unit Measure: N/A

Year	Labor (Base YR Rec)	NLbr (Base YR Rec)	NSE (Base YR Rec)	Total	FTE	Units (Base YR Rec)
2028 Total	-10	0	0	-10	-0.1	0
2029	-10	0	0	-10	-0.1	0
Explanation:	Adjustment to remove nonrecurring labor from forecast years.					
2029 Total	-10	0	0	-10	-0.1	0
2030	-10	0	0	-10	-0.1	0
Explanation:	Adjustment to remove nonrecurring labor from forecast years.					
2030 Total	-10	0	0	-10	-0.1	0
2031	-10	0	0	-10	-0.1	0
Explanation:	Adjustment to remove nonrecurring labor from forecast years.					
2031 Total	-10	0	0	-10	-0.1	0

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00011.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 4. Cuyamaca Peak Plant Operational Enhancements
Workpaper Group: 000110 - CUYAMACA PEAK ENERGY PLANT OPER ENHANCE
Unit Measure: N/A

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Recorded (Nominal \$)*					
Labor	0	0	0	0	9
Non-Labor	315	1,254	374	218	150
NSE	0	0	0	0	0
Total	315	1,254	374	218	159
FTE	0.0	0.0	0.0	0.0	0.1
Units	0	0	0	0	0
Adjustments (Nominal \$) **					
Labor	0	0	0	0	0
Non-Labor	-34	0	0	0	0
NSE	0	0	0	0	0
Total	-34	0	0	0	0
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Nominal \$)					
Labor	0	0	0	0	9
Non-Labor	281	1,254	374	218	150
NSE	0	0	0	0	0
Total	281	1,254	374	218	159
FTE	0.0	0.0	0.0	0.0	0.1
Units	0	0	0	0	0
Vacation & Sick (Nominal \$)					
Labor	0	0	0	0	1

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00011.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 4. Cuyamaca Peak Plant Operational Enhancements
Workpaper Group: 000110 - CUYAMACA PEAK ENERGY PLANT OPER ENHANCE
Unit Measure: N/A

Determination of Adjusted-Recorded (in thousands):

	2021	2022	2023	2024	2025
Non-Labor	0	0	0	0	0
NSE	0	0	0	0	0
Total	0	0	0	0	1
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Escalation to 2025\$					
Labor	0	0	0	0	0
Non-Labor	71	172	29	5	0
NSE	0	0	0	0	0
Total	71	172	29	5	0
FTE	0.0	0.0	0.0	0.0	0.0
Units	0	0	0	0	0
Recorded-Adjusted (Constant 2025\$)					
Labor	0	0	0	0	10
Non-Labor	352	1,427	402	223	150
NSE	0	0	0	0	0
Total	352	1,427	402	223	160
FTE	0.0	0.0	0.0	0.0	0.1
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: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00011.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 4. Cuyamaca Peak Plant Operational Enhancements
Workpaper Group: 000110 - CUYAMACA PEAK ENERGY PLANT OPER ENHANCE
Unit Measure: N/A

Summary of Adjustments to Recorded:

In Nominal \$(000)					
Years	2021	2022	2023	2024	2025
Labor	0	0	0	0	0
Non-Labor	-34	0	0	0	0
NSE	0	0	0	0	0
Total	-34	0	0	0	0
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	Total	FTE	Units
2021	0	-34	0	-34	0.0	0
2021 Total	0	-34	0	-34	0.0	0
2022 Total	0	0	0	0	0.0	0
2023 Total	0	0	0	0	0.0	0

Explanation: Adjustment to remove one-time capital expenditures (Engine turbine enhancement and South Grid Black Start) which are not indicative of future planned expenditures for this facility.

Note: Totals may include rounding differences.

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00011.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 4. Cuyamaca Peak Plant Operational Enhancements
Workpaper Group: 000110 - CUYAMACA PEAK ENERGY PLANT OPER ENHANCE
Unit Measure: N/A

Year	Labor	NLbr	NSE	Total	FTE	Units
2024 Total	0	0	0	0	0.0	0
2025 Total	0	0	0	0	0.0	0

Note: Totals may include rounding differences.

**Beginning of Workpaper Sub Details for
Workpaper Group 000110**

Area: ELECTRIC GENERATION
Witness: Darren Weim
Budget Code: 00011.0
Category: B. Generation Plant Operational Enhancements
Category-Sub: 4. Cuyamaca Peak Plant Operational Enhancements
Workpaper Group: 000110 - CUYAMACA PEAK ENERGY PLANT OPER ENHANCE
Workpaper Detail: 000110.001 - Provide for capital additions and improvements at Cuyamaca Peak Energy Plant.
Unit Measure: N/A

In-Service Date: Not Applicable

Description:

The purpose of Cuyamaca Peak Energy Plant (CPEP) Operational Enhancements is to provide for capital additions and improvements at the Cuyamaca Peak Energy Plant. The Cuyamaca Peak Energy Plant (CPEP) is a peaking plant with a Pratt & Whitney FT8 turbine generator set that produces 45 megawatts. Base Year Recorded method was selected for CPEP Operational Enhancements because it represents a reasonable foundation for projecting capital project needs as it includes a variety of planned and unplanned enhancements required for the safe and reliable operation of the facility. Improvements and additions are continuous at the facility and are evaluated based on their ability to increase the overall reliability, operability and safety of the facility.

Forecast In 2025 \$(000)

Years	2026	2027	2028	2029	2030	2031
Labor	10	10	0	0	0	0
Non-Labor	557	557	150	150	150	150
NSE	0	0	0	0	0	0
Total	567	567	150	150	150	150
FTE	0.1	0.1	0.0	0.0	0.0	0.0
Units	0	0	0	0	0	0

Note: Totals may include rounding differences.