2025 ELECTRIC RATE WORKSHOP

October 29, 2024

Agenda

- District Finances
- Rates Analysis
- Rate Comparison
- CARES Discount
- Summary
- Next Steps

Background

- When was the last base rate increase?
  - Last base rate increase was ten years ago
- What has the District done to maintain rates for 10 years?
  - Optimize the District's Assets
    - Generation
    - Transmission
  - Utilization of Reserves
  - Controlling Expenditures
- Where are we now?

Draft 2025 TID Budget

Historic Financials and Draft Budget: Current Rates

Capital Expenditures adjusted from Electric Workshop to show Contribution in Aid of Construction

(x$1,000)	2023 Actual	2024 Projection	2024 Budget	2025 Budget	
District Operating Revenues:				*Current Rates*	
Retail Electric	$351,887	$325,200	$336,100	$ 325,000	
Wholesale Electric	84,394	59,250	87,000	81,300	
Wholesale Wind Revenue	5,781	7,200	8,800	11,100	
BABs Revenue	3,400	3,400	3,400	-	
Other Including Solar PPA Revenue	13,906	12,650	11,650	18,050	
Water Operating Revenues	18,016	14,500	14,500	14,500	
Total Operating Revenues	**477,383**	**422,200**	**461,450**	**449,950**	
Power Supply (Purchase Power & Fuel)	295,258	265,829	303,754	305,200	
O&M Expense	90,490	98,587	98,807	101,100	
Total PP&F and O&M	**385,748**	**364,416**	**402,561**	**406,300**	
Cash Generated from Operations	**91,636**	**57,784**	**58,889**	**43,650**	
Interest Income-Net	7,082	6,000	6,000	4,875	
Total Cash Available	**98,718**	**63,784**	**64,889**	**48,525**	**A**
Total TID Debt Serv.	**(34,700)**	**(34,800)**	**(34,800)**	**(34,500)**	**B**
Cash Available after Debt Service	64,018	28,984	30,089	14,025	
Capital Expenditures	**(86,459)**	**(84,374)**	**(85,074)**	**(101,432)**	
TID Debt/Service Coverage-(X)	**2.84**	**1.83**	**1.86**	**1.41**	**=A/(-B)**
Est. Days Cash On Hand (DCOH) 12/31		**224 – 237**		**190 - 202**	

Historic Financials and Draft Budget: Current & Proposed Rates

Capital Expenditures adjusted from Electric Workshop to show Contribution in Aid of Construction

(x$1,000)	2023 Actual	2024 Projection	2024 Budget	2025 Budget	2025 Budget	
District Operating Revenues:				*Current Rates*	*Proposed Rates*	
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Wholesale Electric	84,394	59,250	87,000	81,300	81,300	
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Total Operating Revenues	**477,383**	**422,200**	**461,450**	**449,950**	**465,750**	
Power Supply (Purchase Power & Fuel)	295,258	265,829	303,754	305,200	305,200	
O&M Expense	90,490	98,587	98,807	101,100	101,100	
Total PP&F and O&M	**385,748**	**364,416**	**402,561**	**406,300**	**406,300**	
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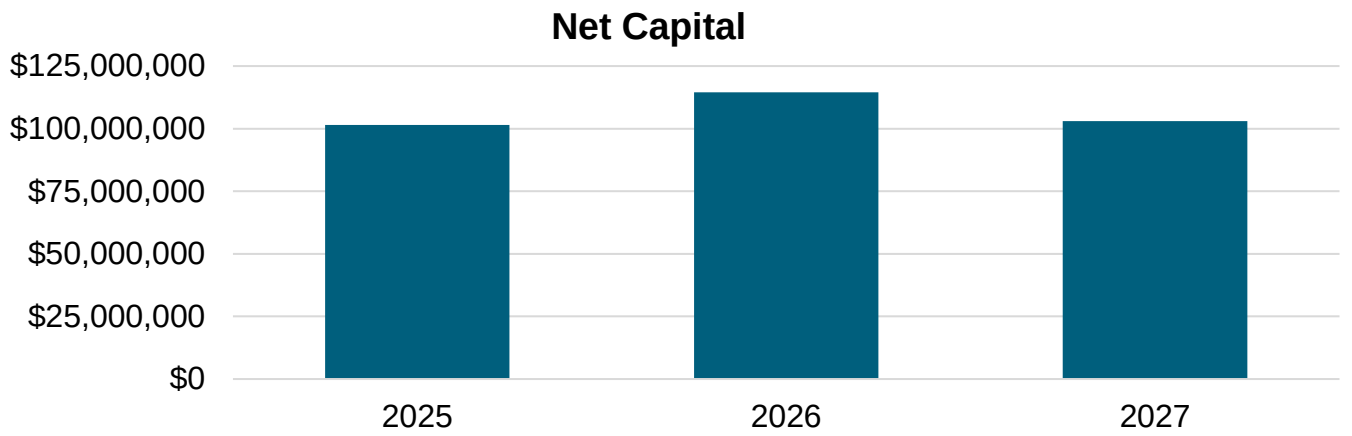
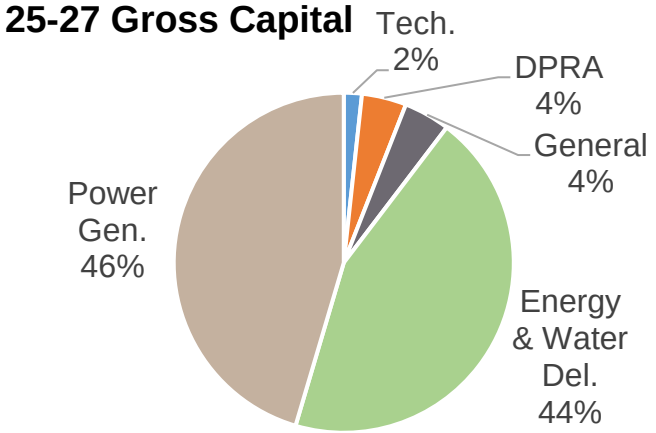
Capital Budget

Capital Budget Summary: Functional Area

Slide adjusted from Electric Workshop to show Contribution in Aid of Construction

Description	2025	2026	2027	Total '25 – '27
Functional Area				
DPRA	$ 5,945,000	$ 7,061,000	$ 4,873,000	$ 17,879,000
Energy & Water Delivery	46,125,000	74,921,000	65,378,000	186,424,000
General District	5,695,000	7,850,000	4,985,000	18,530,000
Power Generation	71,012,000	62,959,000	57,477,000	191,448,000
Technology	3,720,000	2,237,000	1,282,000	7,239,000
Functional Area Gross	**132,497,000**	**155,028,000**	**140,995,000**	**421,520,000**
Total Contributions	*(31,065,000)*	*(40,518,000)*	*(30,955,000)*	*(102,538,000)*
Functional Area Net	**$101,432,000**	**$114,510,000**	**$103,040,000**	**$318,982,000**
Cont. in aid of Const.	**(4,250,000)**	**(4,250,000)**	**(4,250,000)**	**(12,750,000)**
Capital after CIAC	**97,182,000**	**110,260,000**	**98,790,000**	**$306,232,000**

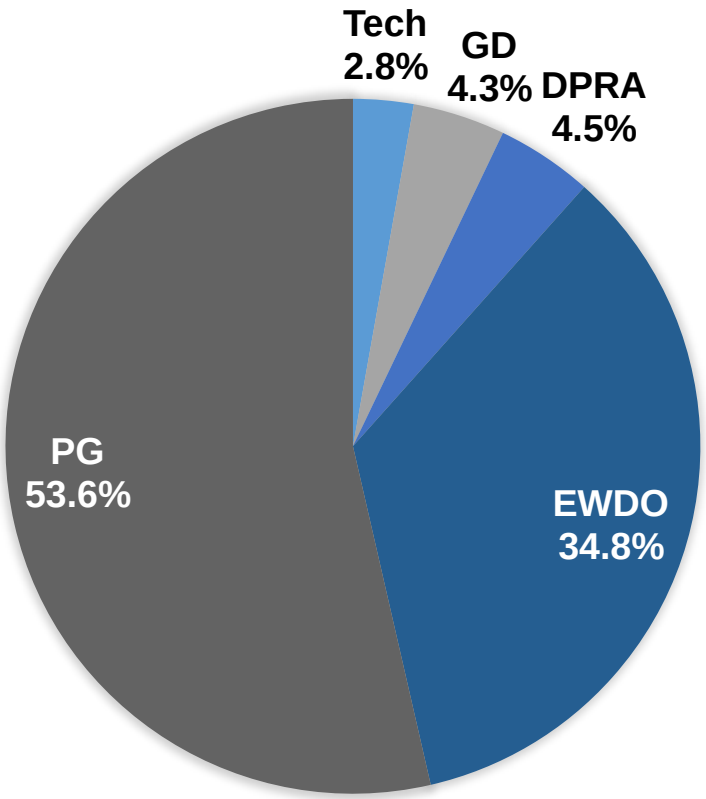




2025 Draft Capital Budget

Slide adjusted from Electric Workshop to show Contribution in Aid of Construction

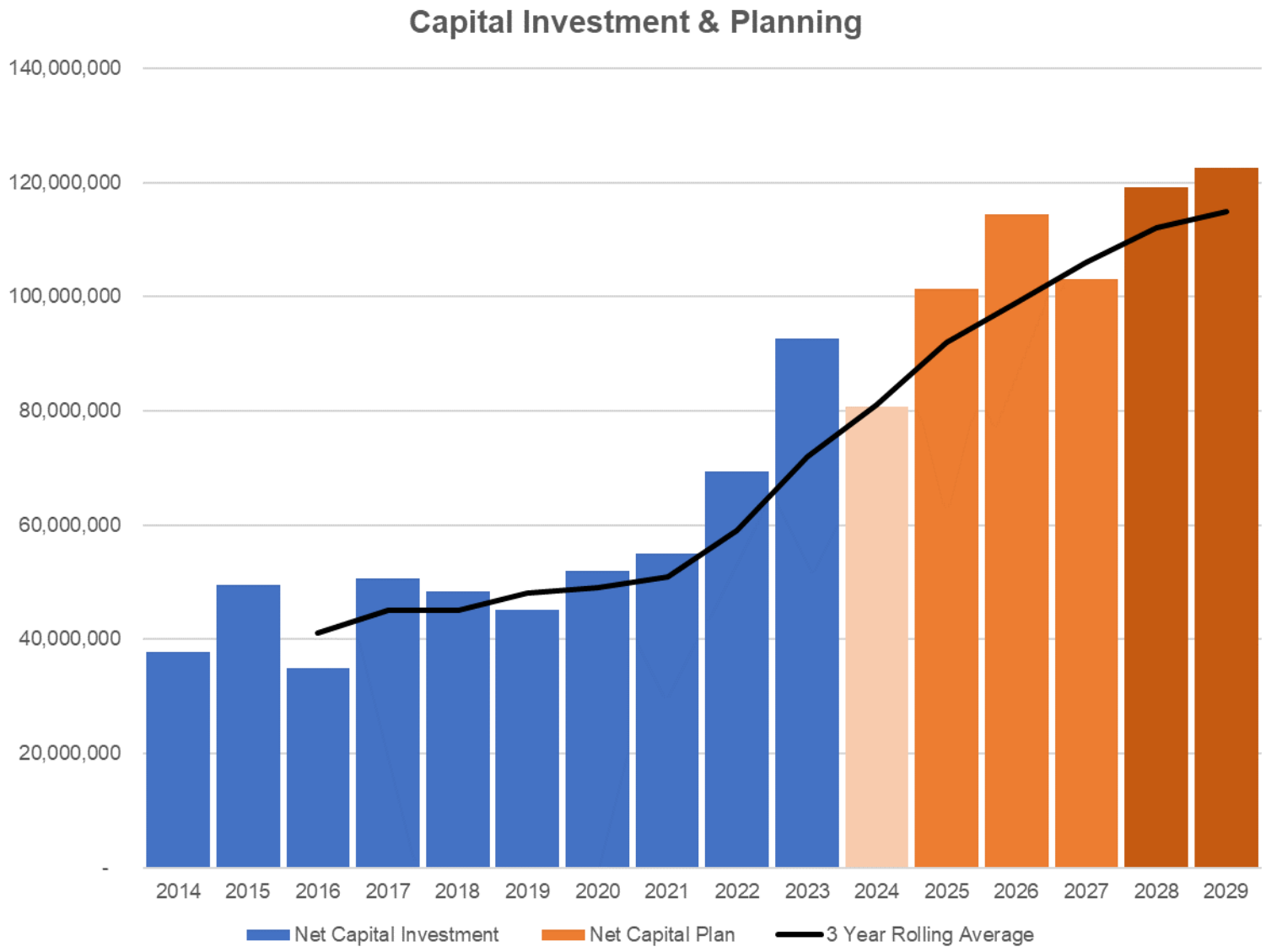
Description	Short Term	Long Term	Total Capital
Functional Area			
DPRA	$ 75,000	$ 5,870,000	$ 5,945,000
Energy & Water Delivery	10,538,000	35,587,000	46,125,000
General District	5,695,000	-	5,695,000
Power Generation	6,617,000	64,395,000	71,012,000
Technology	3,720,000	-	3,720,000
Functional Area Gross	**26,645,000**	**105,852,000**	**132,497,000**
Total Contributions	*(202,000)*	*(30,863,000)*	*(31,065,000)*
Functional Area Net	**$21,443,000**	**$ 74,989,000**	**$101,432,000**
Cont. in Aid of Const.	**(4,250,000)**	**-**	**(4,250,000)**
Capital after CIAC	**$22,193,000**	**$74,989,000**	**$97,182,000**
	22.8%	**77.2%**	**100%**



CAPITAL
(before contributions)

Note: Long-term for these purposes are assets with a useful life of 20 years or more

Capital Investment Since 2014



Capital Projects – Key Areas of Focus

- Reliability – longevity and efficiency of resources
  - Don Pedro Life Extension – extend life by 50 years and increase capacity by 30%
  - Maintenance of and improvement to existing generation facilities
  - Inspection and replacement of poles & wires
- Infrastructure – addition of generation, distribution, and transmission
  - Purchase land for two new substations
  - Identify and procure energy storage opportunities
- State Mandates – meet aggressive State energy goals
  - Meet State mandate of 100% carbon free by 2045
  - Transition medium and heavy-duty fleet vehicles to zero emission
  - Compliance with vegetation management mandates

October 29, 2024 | Turlock Irrigation District | Electric Rate Workshop

TURLOCK IRRIGATION DISTRICT ELECTRIC RATE STUDY WORKSHOP

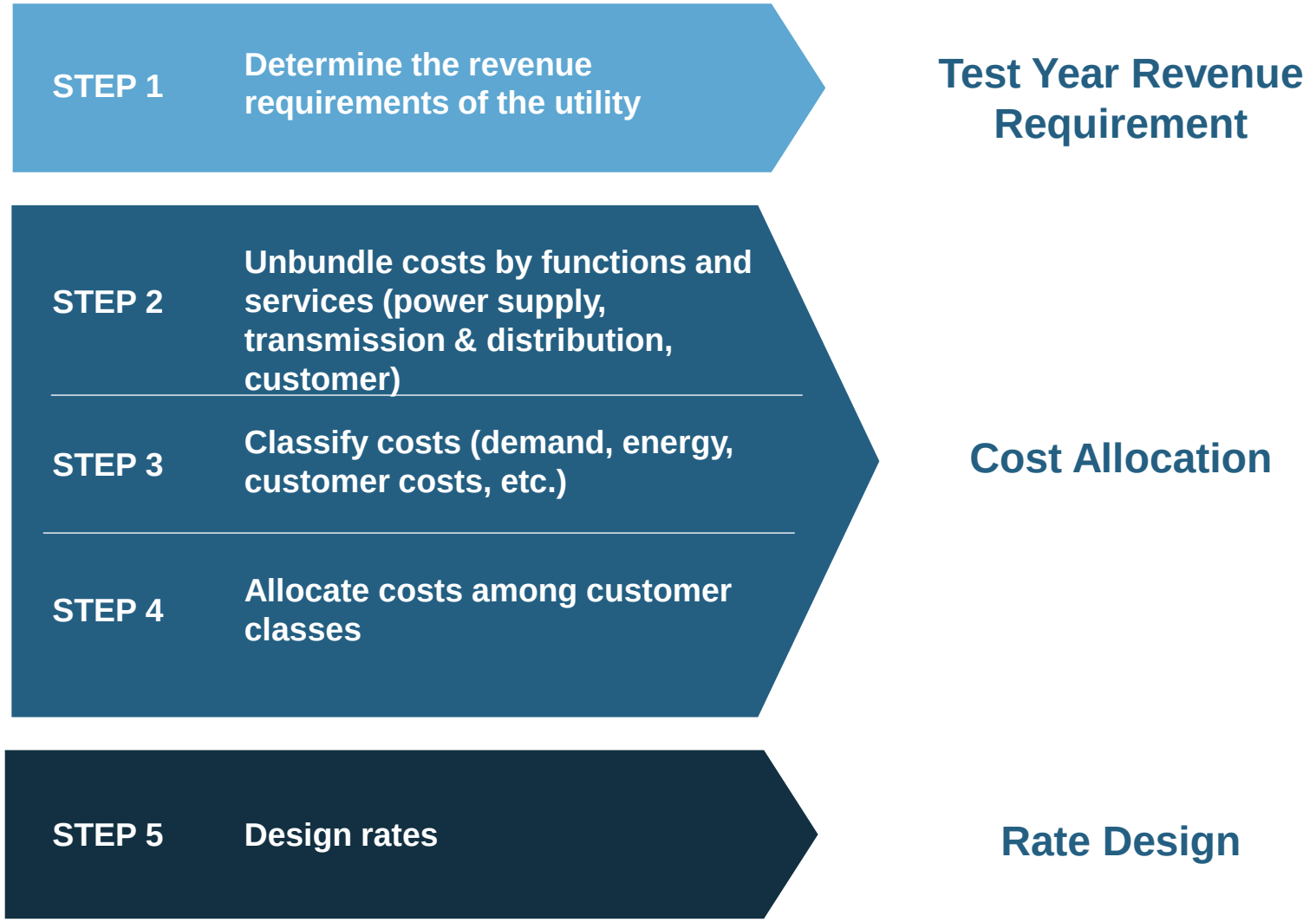
WATER & POWER
Serving Central California since 1887

NewGen Strategies & Solutions

WORKSHOP AGENDA

1. Rate Study Process Overview
2. Revenue Requirement
3. Electric Cost of Service
4. Rate Study
5. Proposed Rate Results

RATE STUDY PROCESS: OVERVIEW



REVENUE REQUIREMENT

Turlock Irrigation District Rate Study Workshop

TEST YEAR REVENUE REQUIREMENT

- Revenue Requirement:
  - Total costs of providing service to customers.
  - Electric and water.
- Components:
  - Operating Expenses:
    - Fuel/Purchased Power (Power Supply).
    - Transmission Expenses.
    - Distribution/Customer Expenses.
    - Adjustment for Don Pedro generation.
  - Debt Service/Capital Improvements.
  - Other Revenues/Expenses.
- Test Year Revenue Requirement:
  - Projected expenses for 2027.

HYDRO COST TRANSFER – DON PEDRO GENERATION VALUE

- Don Pedro Hydropower facility provides power to serve some of TID's electric load.
- The value of the hydropower provided by Water to Electric is detailed below.
- $8.5M is paid by Electric to Water for the use of the hydropower.

Year	Hydro Generation (MWh)	Energy Value ($M) (1)	Hydro Costs Paid by Electric ($M)	Net Hydro Value Received by Electric ($M)
Test Year 2027	392,000	$24.5	$16.0	$8.5
Net Hydro Applied to Electric ($M)				**$8.5**

(1) Average NP15 Energy Prices.

REVENUE REQUIREMENT AND OPERATIONAL ALLOCATION

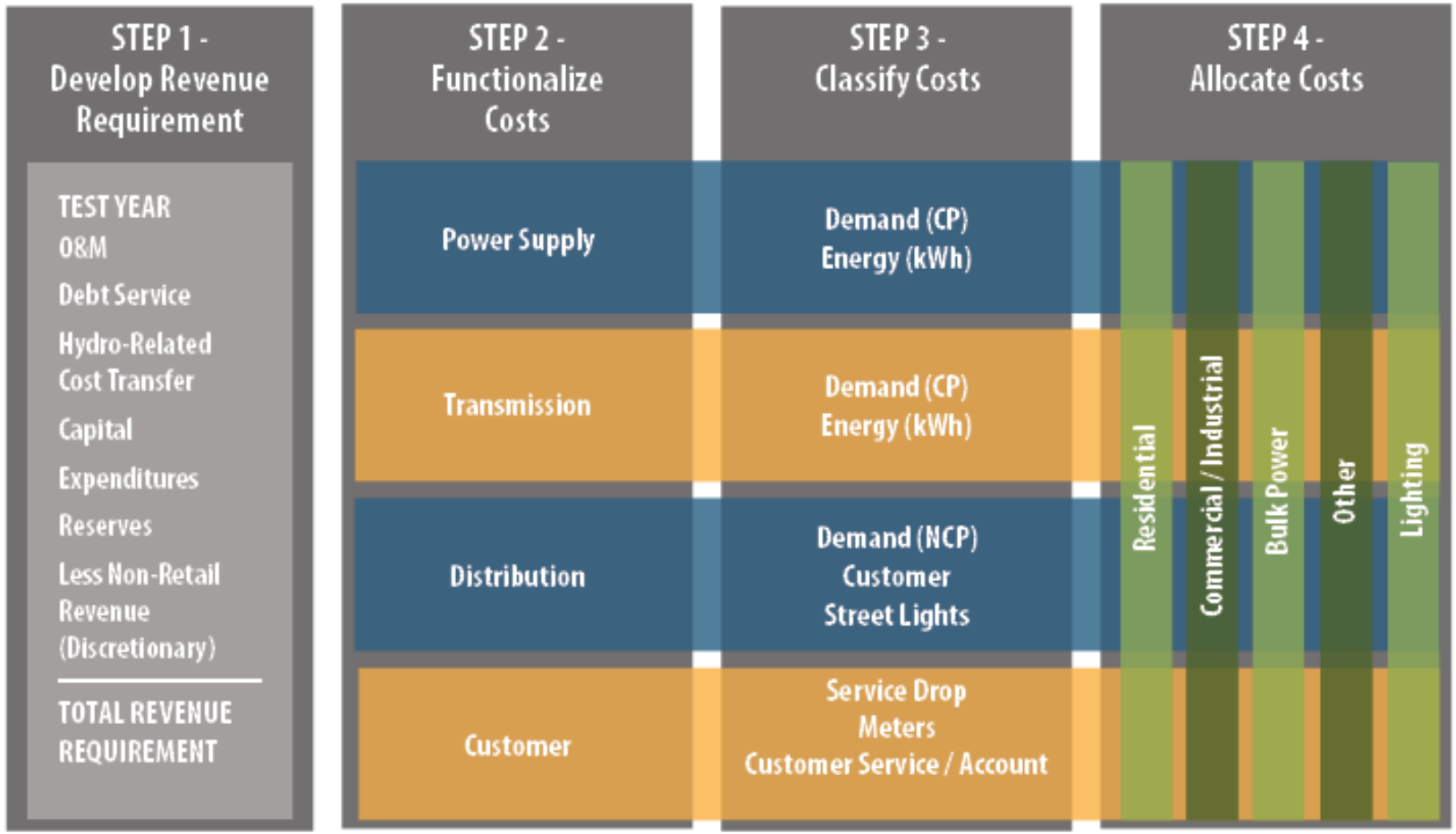
Account	Test Year (2027)	Electric	Water	% Electric	% Water
Power Supply	$295.7	$295.5	$0.2	100%	0%
Non-Power Supply O&M	$107.3	$82.5	$24.8	77%	23%
Total O&M	**$403.0**	**$378.0**	**$25.0**	**94%**	**6%**
Existing Debt Service	$30.1	$28.5	$1.6	95%	5%
New Debt Service	$10.6	$9.9	$0.7	93%	7%
Capital Funded by Cash	$29.1	$27.4	$1.7	94%	6%
Hydro-Related Cost Transfer (Water for Fuel Study)	$0	$8.5	($8.5)	0%	0%
Subtotal Revenue Requirement	**$472.8**	**$452.2**	**$20.6**	**96%**	**4%**
Deposit to Reserves for Metrics	$12.4	$11.4	$1.0	92%	8%
Discretionary Revenues	($102.2)	($91.4)	($10.8)	89%	11%
Total Revenue Requirement	**$382.9**	**$372.2**	**$10.7**	**97%**	**3%**

*Notes: Values shown in millions of dollars. Totals may not add due to rounding.

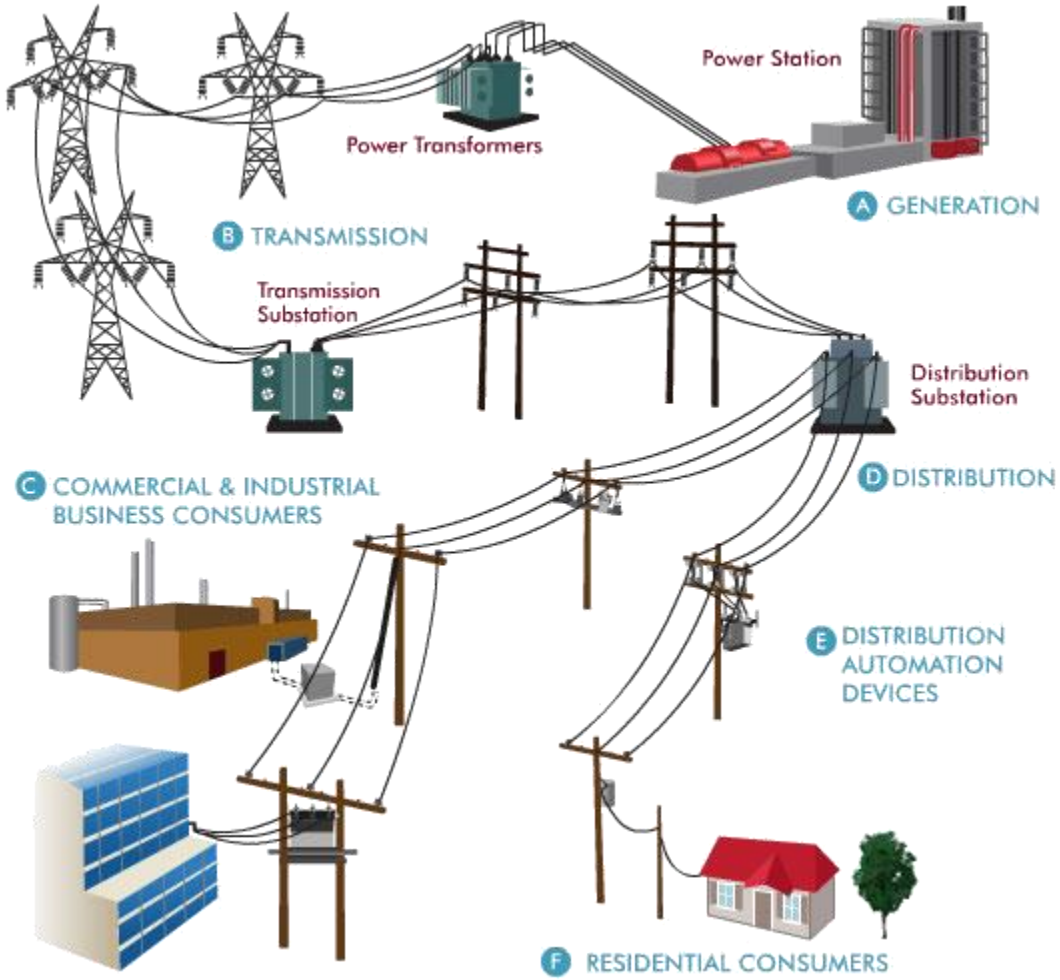
ELECTRIC COST OF SERVICE

Turlock Irrigation District Rate Study Workshop

ELECTRIC COST OF SERVICE PROCESS



UTILITY ECONOMICS
TYPICAL ELECTRIC UTILITY SYSTEM CONFIGURATION



GENERATION (POWER SUPPLY) FUNCTION

- The generation or power supply function is responsible for providing demand and producing energy.
  - The power plant portfolio is sized to meet the maximum demand requirements of the system.
- Energy is produced by a variety of generation resources (fossil, wind, hydro, solar) to meet the electricity requirements of customers over time.

TRANSMISSION FUNCTION

- The transmission function is responsible for transmitting electricity from the generator to the distribution system.
- The utility must size transmission substations, transformers, and lines to serve the maximum demand requirements of the system.

DISTRIBUTION FUNCTION

- The distribution function is responsible for distributing electricity from the transmission line to customers.
- The utility must size distribution substations, transformers, lines, and services to serve the maximum demand requirements of their customers.

CUSTOMER FUNCTION

- The customer function is responsible for utility billing and customer service.
- Programs development and execution.
- Communication and information.

TID'S ELECTRIC FUNCTIONALIZED COSTS

Item	Power Supply	Transmission	Distribution	Customer	Total
Total O&M and Water for Fuel Expense (1)	$300.0	$24.1	$55.2	$7.2	$386.5
Total District Debt Service	$25.3	$4.2	$8.9	$0	$38.3
Total Capital	$11.5	$3.4	$12.0	$0.5	$27.4
Deposit to Reserves for Metrics	$8.5	$0.8	$1.9	$0.2	$11.4
Subtotal Revenue Requirement (2)	**$345.3**	**$32.4**	**$78.0**	**$7.9**	**$463.6**
% Function	74%	7%	17%	2%	100%
Less Discretionary Revenue					($91.4)
Net System Revenue Requirement (2)					**$372.2**

(1) Includes JPA debt as operating expense.
(2) Values shown in millions of dollars. Totals may not add due to rounding.

COST CLASSIFICATION

- Classify costs to establish cost causation.
- Costs are fixed or variable.
  - Fixed costs vary with capacity additions.
    - Examples are labor expense and insurance.
    - Demand-related and customer-related costs are fixed.
  - Variable costs vary with energy consumed, delivered, or purchased.
    - An example is the energy component of production plant.
    - Energy-related costs are variable.

FIXED VS. VARIABLE – CAR EXAMPLE

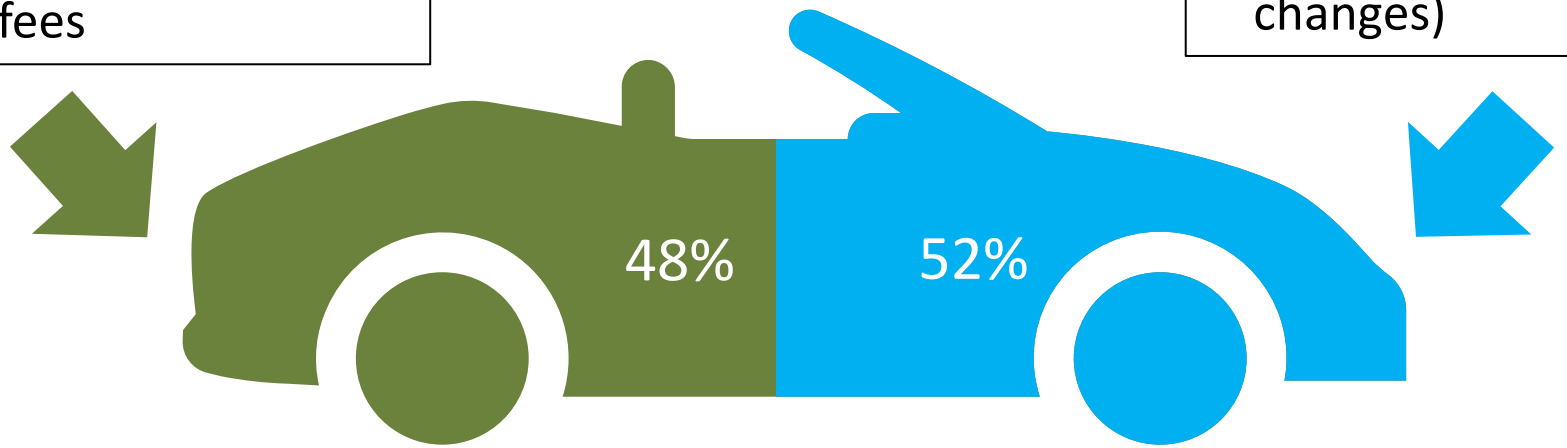
Comparing the “Fixed” and “Variable” costs of owning a car.

Fixed Costs:

- Monthly car payments
- Insurance payments
- License fees

Variable Costs:

- Gas/fuel cost
- Variable maintenance (oil changes)



COST ALLOCATION

- Cost allocation is the process of assigning the total revenue requirement to the various classes of customers.
- The ultimate goal is to allocate costs in a fashion which reflects the cost of providing services to each class (a cause-and-effect relationship).
  - Principle of cost causation.
  - Drives Cost of Service analysis.

ALLOCATION FACTORS METHODOLOGY

- Allocation Methodology must align with Cost Classification.
  - Demand related:
    - Coincident Peak (CP).
    - Non-Coincident Peak (NCP).
    - Sum of Max Demands (SMD).
  - Energy related:
    - kWh Sales.
    - Net Energy for Load (NEFL).
  - Customer related:
    - Number of customers.
    - Weighted number of customers.

DEMAND COST ALLOCATORS

- Coincident Peak (System Peak Demand):
  - Class demand at the time of the System Peak.
  - Demand costs are most strongly influenced by class demands imposed on the system at the time of the system peak.
- Non-Coincident Peak (Class Peak Demand):
  - Maximum demand of a customer class, regardless of when it occurs (non-coincident with system peak).
  - Demand costs are most strongly influenced by the highest demand of each class, whenever it occurs.
- Sum of Max Demand (Customer Peak Demand):
  - Demand costs are most strongly influenced by the demand of each customer.

12 CP PEAK DEMAND ALLOCATION FOR TY 2027

Customer Class	Avg. Monthly Demand (MW)	Allocation (%)	Allocation of Peak Load Cost ($M)
Residential	2,257	48.0%	$20.1
Small Commercial	259	5.5%	$2.3
Small Industrial	501	10.7%	$4.5
Large Industrial	448	9.5%	$4.0
Very Large Industrial	209	4.5%	$1.9
Bulk Power	278	5.9%	$2.5
Agricultural	393	8.4%	$3.5
Restricted Pumping	77	1.6%	$0.7
Municipal	22	0.5%	$0.2
Municipal – Demand	257	5.5%	$2.3
Lighting – LD/LO	0.07	0.001%	$0.001
Lighting – LC	0.09	0.002%	$0.001
Total	**4,703**	**100%**	**$41.8**

*Note: Numbers may not add due to rounding.

2027 REVENUE REQUIREMENT AND RATE REVENUE NEEDED

Class	Net Revenue Requirement [A]	Rate Revenue in 2027 (Current Rates) [B]	Rate Revenue Needed for 2027 Revenue Requirement [C] = [A] – [B]
Residential	$160,710,000	$136,259,000	$24,451,000
Small Commercial	$23,047,000	$20,526,000	$2,522,000
Small Industrial	$44,223,000	$39,026,000	$5,197,000
Large Industrial	$38,657,000	$34,348,000	$4,310,000
Very Large Industrial	$18,323,000	$16,147,000	$2,176,000
Bulk Power	$22,451,000	$18,794,000	$3,657,000
Agricultural	$34,768,000	$33,520,000	$1,248,000
Restricted Pumping	$6,229,000	$4,746,000	$1,484,000
Municipal (Combined)	$22,407,000	$17,659,000	$4,748,000
Streetlighting (Combined)	$1,379,000	$1,738,000	($359,000)
Total	**$372,195,000**	**$322,763,000**	**$49,432,000**

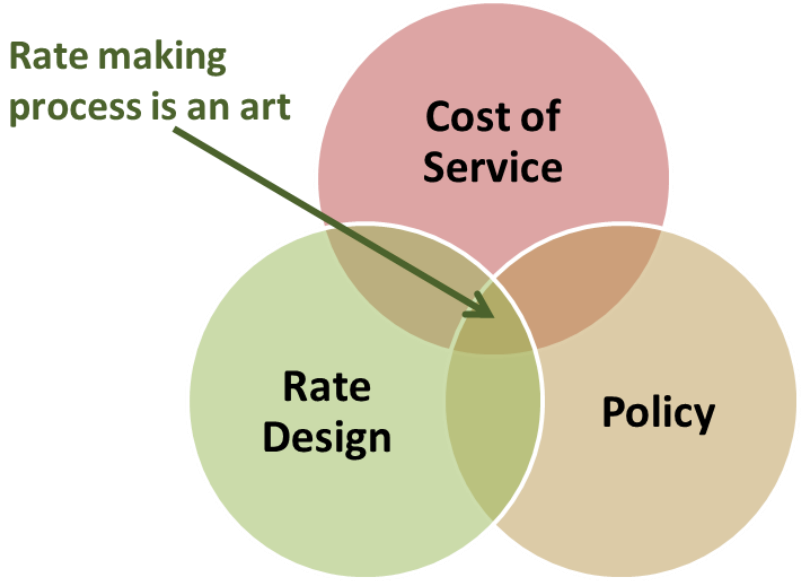
*Note: Numbers may not add due to rounding.

RATE STUDY

Turlock Irrigation District Rate Study Workshop

POLICY OVERVIEW

- Rates are the price tag put on electric services.
- Combines Cost of Service, Policy, and Pricing.
  - Risk management.
- Rate design elements:
  - Customer charge.
  - Demand charge.
  - Energy charge.
  - Pass throughs (i.e., Power Supply Adjustment, Environmental Charge).



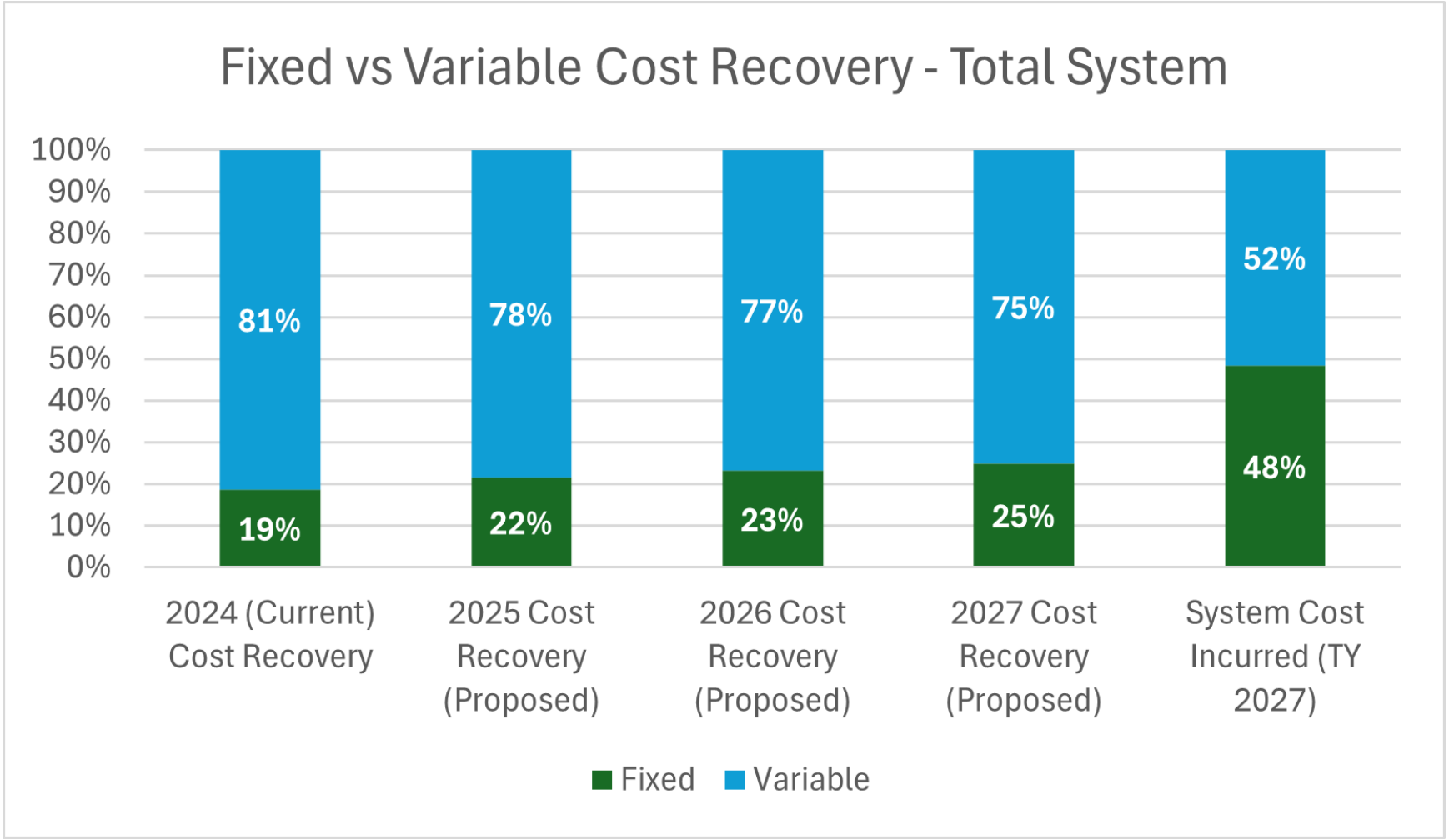
FIXED AND VARIABLE COSTS/COST RECOVERY (ELECTRIC)

- Fixed Costs – Costs that do not change with kWh (energy) usage.
  - Infrastructure investments (cash and debt), labor, insurance, equipment, operating systems.
- Variable Costs – Costs that vary with kWh (energy) usage.
  - Purchased power (energy), some transmission costs ($/kWh).

- Fixed Cost Recovery:
  - Customer Charges ($/Month), Demand Charges ($/kW), Connected Load Charges ($/HP).
- Variable Cost Recovery:
  - Energy Charges ($/kWh), Environmental Charges ($/kWh).

TOTAL SYSTEM FIXED VS. VARIABLE COSTS

Current and Proposed



PROPOSED ELECTRIC RATE CHANGES

- Rate increases are needed in 2025, 2026, and 2027.
  - Rate increases are needed for all electric classes except street lighting.
- Increase fixed cost recovery in Electric Rates.
  - System Test Year costs are 48% fixed.
  - Current system cost recovery is 81% variable.
  - Will vary by class.
- Environmental Charge ($/kWh)
  - Incorporate into Base Rates (Energy Charge ($/kWh), Customer Charge ($/Month), Demand Charge ($/kW).

EFFECTIVE RATE BY CLASS ($/KWH)

Current and Proposed

Class	Current	Proposed 2025	Proposed 2026	Proposed 2027	Test Year COS
Total System	**$0.1437**	**$0.1505**	**$0.1579**	**$0.1657**	**$0.1657**
Residential	$0.1641	$0.1733	$0.1830	$0.1929	$0.1929
Small Commercial	$0.1469	$0.1525	$0.1589	$0.1650	$0.1650
Small Industrial	$0.1431	$0.1491	$0.1557	$0.1623	$0.1623
Large Industrial	$0.1257	$0.1306	$0.1360	$0.1416	$0.1416
Very Large Industrial	$0.1144	$0.1193	$0.1241	$0.1298	$0.1298
Bulk Power	$0.1056	$0.1119	$0.1188	$0.1262	$0.1262
Agricultural	$0.1474	$0.1498	$0.1515	$0.1534	$0.1534
Restricted Pumping	$0.1396	$0.1510	$0.1672	$0.1868	$0.1868
Municipal – MC/MG	$0.1459	$0.1519	$0.1538	$0.1555	$0.1571
Municipal – MD	$0.1231	$0.1348	$0.1466	$0.1589	$0.1587
Streetlighting – LD/LO	$0.2785	$0.1667	$0.1657	$0.1650	$0.1654
Streetlighting – LC	$0.1947	$0.1887	$0.1805	$0.1725	$0.1724

*Values exclude PSA but include Public Benefits Charge (2.85%).

PROPOSED RATE RESULTS

Turlock Irrigation District Rate Study Workshop

RATE CHANGES BY TARIFF (%)

Proposed

Excludes PSA, includes Public Benefits Charge

Class	Proposed 2025 (%)	Proposed 2026 (%)	Proposed 2027 (%)	3 Year Annual Average (%)
Domestic Service – DE	5.6%	5.6%	5.5%	5.6%
Domestic Plug-in EV – DT	0.8%	4.5%	4.5%	3.3%
Domestic Self Gen – DG	5.4%	3.5%	5.3%	4.8%
Commercial Service – CE	3.8%	4.2%	3.9%	4.0%
Commercial TOU – CT	5.6%	2.6%	5.7%	4.6%
Commercial Self Gen – CG	5.9%	4.8%	4.2%	5.0%
Small Industrial Demand – ID	4.6%	4.1%	4.2%	4.3%
Small Industrial Self Gen – IG	3.0%	5.6%	4.7%	4.4%
Small Industrial TOU – IT	3.0%	5.3%	4.2%	4.2%
Large Industrial Demand – HT	3.9%	4.0%	4.1%	4.0%

RATE CHANGES BY TARIFF (%)

Proposed

Excludes PSA, includes Public Benefits Charge

Class	Proposed 2025	Proposed 2026	Proposed 2027	3 Year Annual Average
Large Industrial Self Gen – HG	4.3%	4.8%	4.6%	4.6%
Very Large Industrial – XT	4.3%	4.1%	4.6%	4.3%
Bulk Power– BP	6.0%	6.2%	6.2%	6.1%
Farm Service Energy – FE	1.1%	1.0%	1.0%	1.1%
Farm Service Demand – FD	1.0%	1.0%	1.0%	1.0%
Farm Service TOU – FT	3.4%	1.5%	1.7%	2.2%
Farm Service Self Gen – FG	1.9%	2.6%	2.9%	2.5%
Restricted Irrigation Pumping – PI	8.1%	10.7%	11.8%	10.2%
Restricted Irrigation Pumping TOU – PT	8.7%	11.1%	11.3%	10.4%
Municipal Connected – MC	4.1%	1.3%	1.0%	2.1%
Municipal Self Gen – MG	4.6%	5.2%	4.9%	4.9%
Municipal Demand – MD	9.5%	8.7%	8.4%	8.9%

RESIDENTIAL RATES (DE)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$17.00	$22.00	$26.00	$30.00
Energy Charges					
Winter: 0–700 kWh	$/kWh	$0.1016	$0.1289	$0.1338	$0.1388
Winter: Over 700 kWh	$/kWh	$0.1116	$0.1416	$0.1470	$0.1525
Summer: 0–700 kWh	$/kWh	$0.1070	$0.1358	$0.1410	$0.1463
Summer: 701–1,100 kWh	$/kWh	$0.1305	$0.1656	$0.1719	$0.1783
Summer: Over 1,100 kWh	$/kWh	$0.1436	$0.1822	$0.1891	$0.1962
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

RESIDENTIAL RATES (DT)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer	$/Month	$17.00	$22.00	$26.00	$30.00
Energy Charges					
Winter: On-Peak	$/kWh	$0.1716	$0.2128	$0.2195	$0.2263
Winter: Off-Peak	$/kWh	$0.0772	$0.0957	$0.0987	$0.1018
Summer: On-Peak	$/kWh	$0.1863	$0.2310	$0.2383	$0.2457
Summer: Off-Peak	$/kWh	$0.0838	$0.1039	$0.1072	$0.1105
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

RESIDENTIAL RATES (DG)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer	$/Month	$17.00	$22.00	$26.00	$30.00
Energy Charges					
Winter: On-Peak kWh	$/kWh	$0.1044	$0.1198	$0.0994	$0.0835
Winter: Off-Peak kWh	$/kWh	$0.0653	$0.0749	$0.0622	$0.0522
Summer: On-Peak	$/kWh	$0.1359	$0.1559	$0.1294	$0.1087
Summer: Off-Peak	$/kWh	$0.0978	$0.1122	$0.0931	$0.0782
Demand Charges					
Winter	$/kW	$1.74	$2.55	$3.40	$4.25
Summer	$/kW	$2.00	$3.00	$4.00	$5.00
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

SMALL COMMERCIAL RATES (CE)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$25.00	$30.00	$38.00	$45.00
Energy Charges					
Winter	$/kWh	$0.0909	$0.1175	$0.1184	$0.1196
Summer	$/kWh	$0.1065	$0.1377	$0.1387	$0.1402
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

SMALL COMMERCIAL RATES (CT)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$35.00	$40.00	$45.00	$50.00
Energy Charges					
Winter: On-Peak	$/kWh	$0.1333	$0.1746	$0.1784	$0.1882
Winter: Off-Peak	$/kWh	$0.0848	$0.1111	$0.1135	$0.1197
Summer: On-Peak	$/kWh	$0.1599	$0.2095	$0.2140	$0.2258
Summer: Off-Peak	$/kWh	$0.0976	$0.1279	$0.1306	$0.1378
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

SMALL COMMERCIAL RATES (CG)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$25.00	$30.00	$38.00	$45.00
Energy Charges					
Winter: On-Peak	$/kWh	$0.0866	$0.1195	$0.1159	$0.1124
Winter: Off-Peak	$/kWh	$0.0585	$0.0807	$0.0783	$0.0760
Summer: On-Peak	$/kWh	$0.1179	$0.1627	$0.1578	$0.1531
Summer: Off-Peak	$/kWh	$0.0848	$0.1170	$0.1135	$0.1101
Demand Charges					
Winter	$/kW	$2.61	$3.40	$4.25	$5.10
Summer	$/kW	$3.00	$4.00	$5.00	$6.00
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

SMALL COMMERCIAL RATES (NM)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Winter					
0–200 watts	$/Month	$10.04	$11.37	$11.85	$12.36
201–300 watts	$/Month	$14.09	$15.95	$16.62	$17.33
301–500 watts	$/Month	$23.48	$26.58	$27.70	$28.89
501–800 watts	$/Month	$37.56	$42.52	$44.31	$46.22
801–1200 watts	$/Month	$54.76	$61.99	$64.59	$67.37
Summer					
0–200 watts	$/Month	$13.06	$14.78	$15.40	$16.06
201–300 watts	$/Month	$18.32	$20.74	$21.61	$22.54
301–500 watts	$/Month	$30.21	$34.20	$35.64	$37.17
501–800 watts	$/Month	$48.85	$55.30	$57.62	$60.10
801–1200 watts	$/Month	$73.27	$82.94	$86.42	$90.14

(1) Rates exclude PSA and Public Benefits Charge (2.85%). Proposed moving Environmental Charge into Flat Rate beginning 2025.

SMALL INDUSTRIAL RATES (ID)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$82.00	$93.00	$98.00	$103.00
Demand Charges					
Winter	$/kW	$10.66	$11.90	$12.75	$13.60
Summer	$/kW	$12.67	$14.00	$15.00	$16.00
Energy Charges					
Winter	$/kWh	$0.0601	$0.0844	$0.0866	$0.0892
Summer	$/kWh	$0.0792	$0.1112	$0.1141	$0.1175
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

SMALL INDUSTRIAL RATES (IG, IT)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$90.00	$93.00	$98.00	$103.00
Energy Charges					
Winter: On-Peak	$/kWh	$0.0797	$0.1132	$0.1185	$0.1226
Winter: Off-Peak	$/kWh	$0.0516	$0.0733	$0.0767	$0.0793
Summer: On-Peak	$/kWh	$0.1065	$0.1512	$0.1582	$0.1637
Summer: Off-Peak	$/kWh	$0.0674	$0.0957	$0.1002	$0.1037
Demand Charges					
Winter	$/kW	$11.50	$11.90	$12.75	$13.60
Summer	$/kW	$13.24	$14.00	$15.00	$16.00
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

LARGE INDUSTRIAL RATES (HT)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$250.00	$275.00	$300.00	$350.00
Demand Charges					
Winter	$/kW	$10.73	$13.50	$14.40	$16.20
Summer	$/kW	$11.88	$15.00	$16.00	$18.00
Energy Charges					
Winter – On-Peak	$/kWh	$0.0723	$0.0987	$0.1014	$0.1019
Winter – Off-Peak	$/kWh	$0.0459	$0.0627	$0.0644	$0.0647
Summer – On-Peak	$/kWh	$0.1044	$0.1425	$0.1464	$0.1471
Summer – Off-Peak	$/kWh	$0.0636	$0.0868	$0.0892	$0.0896
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

LARGE INDUSTRIAL RATES (HG)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$275.00	$350.00	$375.00	$400.00
Energy Charges					
Winter: On-Peak	$/kWh	$0.0689	$0.0978	$0.1004	$0.1004
Winter: Off-Peak	$/kWh	$0.0445	$0.0632	$0.0649	$0.0649
Summer: On-Peak	$/kWh	$0.0948	$0.1346	$0.1382	$0.1383
Summer: Off-Peak	$/kWh	$0.0597	$0.0847	$0.0870	$0.0870
Demand Charges					
Winter	$/kW	$11.79	$14.03	$15.30	$17.43
Summer	$/kW	$13.53	$16.50	$18.00	$20.50
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

VERY LARGE INDUSTRIAL RATES (XT)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$500.00	$575.00	$625.00	$700.00
Demand Charges					
Winter	$/kW	$12.90	$14.72	$16.36	$18.81
Summer	$/kW	$15.25	$18.00	$20.00	$23.00
Energy Charges					
Winter – On-Peak	$/kWh	$0.0641	$0.0946	$0.0959	$0.0962
Winter – Off-Peak	$/kWh	$0.0428	$0.0632	$0.0641	$0.0643
Summer – On-Peak	$/kWh	$0.0909	$0.1341	$0.1359	$0.1364
Summer – Off-Peak	$/kWh	$0.0552	$0.0815	$0.0826	$0.0829
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

BULK POWER RATES (BP, BG)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$1,000.00	$1,000.00	$1,000.00	$1,000.00
Demand Charges					
Winter	$/kW	$15.15	$17.40	$19.14	$21.75
Summer	$/kW	$17.12	$20.00	$22.00	$25.00
Energy Charges					
Winter – On-Peak	$/kWh	$0.0513	$0.0821	$0.0858	$0.0882
Winter – Off-Peak	$/kWh	$0.0333	$0.0533	$0.0557	$0.0573
Summer – On-Peak	$/kWh	$0.0823	$0.1317	$0.1376	$0.1414
Summer – Off-Peak	$/kWh	$0.0466	$0.0746	$0.0779	$0.0801
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

AGRICULTURAL RATES (FE)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$28.00	$30.00	$34.00	$38.00
Energy Charges					
Winter	$/kWh	$0.1057	$0.1305	$0.1308	$0.1311
Summer	$/kWh	$0.1231	$0.1520	$0.1523	$0.1526
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

AGRICULTURAL RATES (FD)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$52.00	$54.00	$58.00	$62.00
Energy Charges					
Winter	$/kWh	$0.0663	$0.0890	$0.0871	$0.0854
Summer	$/kWh	$0.0798	$0.1071	$0.1049	$0.1028
Demand Charges					
Winter	$/kW	$8.63	$9.29	$10.14	$10.98
Summer	$/kW	$9.97	$11.00	$12.00	$13.00
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

AGRICULTURAL RATES (FT)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$82.00	$84.00	$88.00	$92.00
Energy Charges					
Winter: On-Peak	$/kWh	$0.0769	$0.1084	$0.1061	$0.1044
Winter: Off-Peak	$/kWh	$0.0505	$0.0712	$0.0697	$0.0686
Summer: On-Peak	$/kWh	$0.0985	$0.1389	$0.1360	$0.1338
Summer: Off-Peak	$/kWh	$0.0605	$0.0853	$0.0835	$0.0822
Demand Charges					
Winter	$/kW	$8.62	$9.29	$10.14	$10.98
Summer	$/kW	$9.84	$11.00	$12.00	$13.00
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

AGRICULTURAL RATES (FG)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$31.25	$36.00	$42.00	$50.00
Energy Charges					
Winter: On-Peak	$/kWh	$0.0839	$0.1133	$0.1020	$0.0923
Winter: Off-Peak	$/kWh	$0.0558	$0.0753	$0.0678	$0.0614
Summer: On-Peak	$/kWh	$0.1099	$0.1484	$0.1336	$0.1209
Summer: Off-Peak	$/kWh	$0.0647	$0.0873	$0.0786	$0.0711
Demand Charges					
Winter	$/kW	$8.19	$9.29	$10.14	$10.98
Summer	$/kW	$9.40	$11.00	$12.00	$13.00
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

PUMPING RATES (PI)

Current and Proposed

Rate Component	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge					
On Season	$/Month	$12.00	$13.50	$15.50	$17.00
Off Season	$/Month	$12.00	$13.50	$15.50	$17.00
Demand Charge					
Connected Load	$/HP	$2.00	$3.00	$4.00	$5.00
Energy Charges					
On Season	$/kWh	$0.0716	$0.0918	$0.0895	$0.0905
Off Season	$/kWh	$0.1654	$0.1654	$0.1654	$0.1654
Environmental Charge (2)	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

PUMPING RATES (PT)

Current and Proposed

Rate Component	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$20.00	$20.00	$20.00	$20.00
Demand Charges					
Winter Connected Load	$/HP	$1.78	$1.93	$2.48	$3.03
Summer Connected Load	$/HP	$2.58	$3.50	$4.50	$5.50
Energy Charges					
Winter On-Peak	$/kWh	$0.0872	$0.1256	$0.1295	$0.1357
Winter Off-Peak	$/kWh	$0.0599	$0.0863	$0.0890	$0.0933
Summer On-Peak	$/kWh	$0.1103	$0.1588	$0.1637	$0.1716
Summer Off-Peak	$/kWh	$0.0488	$0.0703	$0.0725	$0.0760
Environmental Charge (2)	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

MUNICIPAL RATES (MC)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$13.00	$15.00	$15.00	$15.00
Demand Charges					
Connected Load, per HP	$/HP	$1.98	$3.75	$3.75	$4.00
Energy Charges					
Winter	$/kWh	$0.0670	$0.0710	$0.0731	$0.0716
Summer	$/kWh	$0.0779	$0.0826	$0.0851	$0.0834
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

MUNICIPAL RATES (MG)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$17.00	$20.00	$20.00	$20.00
Energy Charges					
Winter: On-Peak	$/kWh	$0.0746	$0.0742	$0.0738	$0.0734
Winter: Off-Peak	$/kWh	$0.0574	$0.0571	$0.0568	$0.0565
Summer: On-Peak	$/kWh	$0.0954	$0.0949	$0.0944	$0.0939
Summer: Off-Peak	$/kWh	$0.0686	$0.0683	$0.0680	$0.0677
Demand Charges					
Winter	$/kW	$6.35	$9.31	$10.16	$11.01
Summer	$/kW	$6.93	$11.00	$12.00	$13.00
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

MUNICIPAL RATES (MD)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Customer Charge	$/Month	$29.00	$35.00	$35.00	$35.00
Demand Charges					
Winter	$/kW	$6.65	$9.31	$10.16	$11.01
Summer	$/kW	$7.67	$11.00	$12.00	$13.00
Energy Charges					
Winter	$/kWh	$0.0627	$0.0887	$0.0963	$0.1045
Summer	$/kWh	$0.0728	$0.1029	$0.1117	$0.1212
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Base Rates beginning 2025.

LIGHTING (LD/LO)

Current and Proposed

Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Street Lighting – District Owned (LD)	**$/Month/ Lamp**				
175 W Mercury Vapor Lamp		$14.97	$14.30	$14.01	$13.76
400 W Mercury Vapor Lamp		$25.48	$24.33	$23.84	$23.42
100 W Sodium Vapor Lamp		$12.93	$12.35	$12.10	$11.89
200 W Sodium Vapor Lamp		$20.70	$19.77	$19.37	$19.03
Lighting – Outdoor Area (LO)	**$/Month/ Lamp**				
175 W Mercury Vapor Lamp		$14.98	$14.31	$14.02	$13.77
400 W Mercury Vapor Lamp		$25.49	$24.34	$23.85	$23.43
100 W Sodium Vapor Lamp		$11.83	$11.30	$11.07	$10.88
200 W Sodium Vapor Lamp		$18.11	$17.30	$16.95	$16.65
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Lamp Charges beginning 2025.

LIGHTING (LC)

Current and Proposed

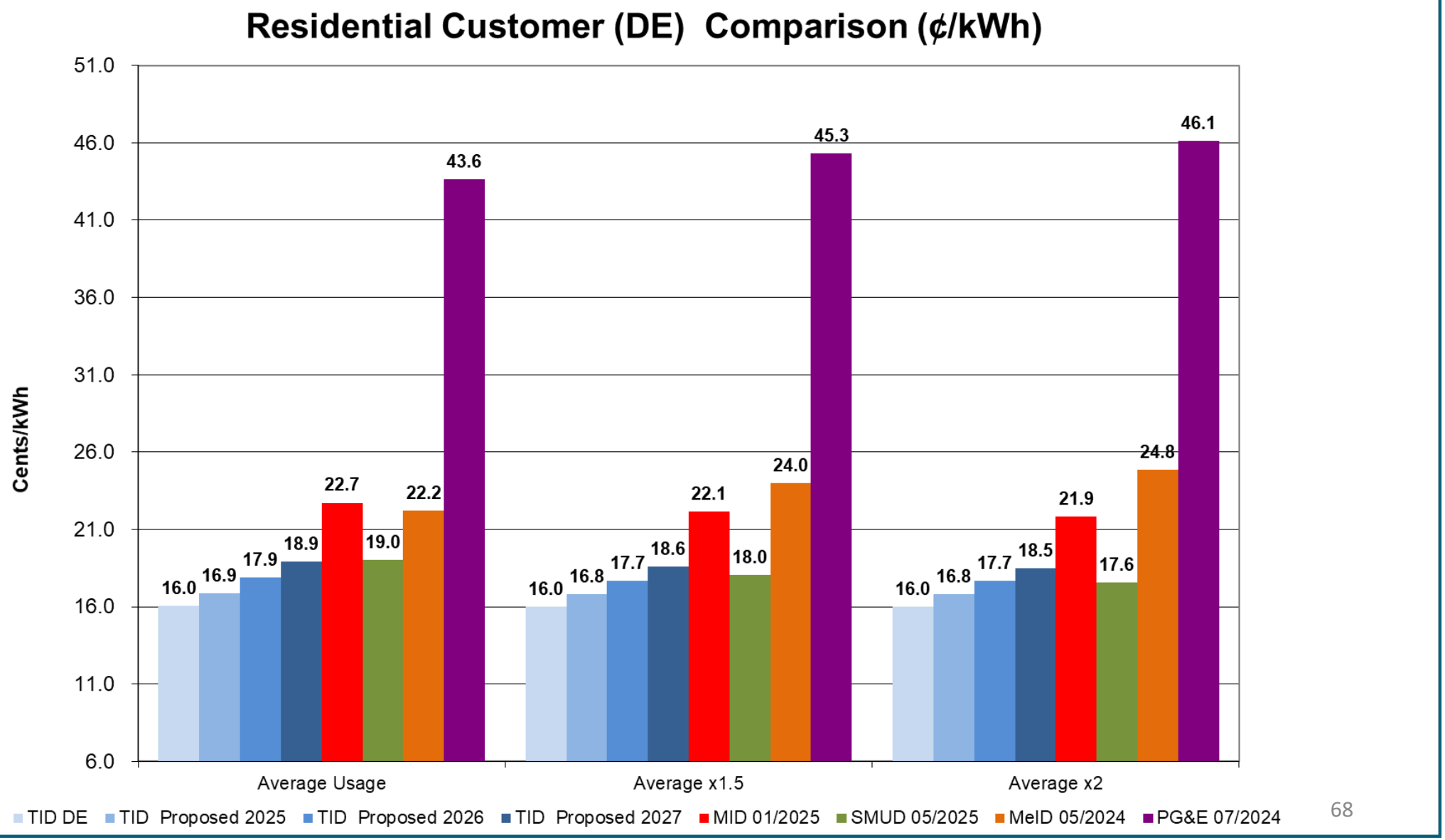
Rate Component [1]	Unit	Current	Proposed 2025	Proposed 2026	Proposed 2027
Street Lighting – Customer Owned	**$/Month/ Lamp**				
175 W Mercury Vapor Lamp		$8.65	$7.79	$7.17	$6.58
250 W Mercury Vapor Lamp		$11.63	$10.47	$9.63	$8.84
400 W Mercury Vapor Lamp		$18.30	$16.47	$15.15	$13.90
700 W Mercury Vapor Lamp		$31.14	$28.03	$25.79	$23.66
1,000 W Mercury Vapor Lamp		$35.34	$31.81	$29.27	$26.86
70 W Sodium Vapor Lamp		$5.69	$5.12	$4.71	$4.32
100 W Sodium Vapor Lamp		$6.03	$5.43	$5.00	$4.59
150 W Sodium Vapor Lamp		$8.24	$7.42	$6.83	$6.27
200 W Sodium Vapor Lamp		$9.90	$8.91	$8.20	$7.52
250 W Sodium Vapor Lamp		$12.45	$11.21	$10.31	$9.46
310 W Sodium Vapor Lamp		$15.23	$13.71	$12.61	$11.57
400 W Sodium Vapor Lamp		$19.33	$17.40	$16.01	$14.69
Environmental Charge [2]	$/kWh	$0.0269	$0.0000	$0.0000	$0.0000

(1) Rates exclude PSA and Public Benefits Charge (2.85%).
(2) Proposed moving Environmental Charge into Lamp Charges beginning 2025.

Sample Rate Compares

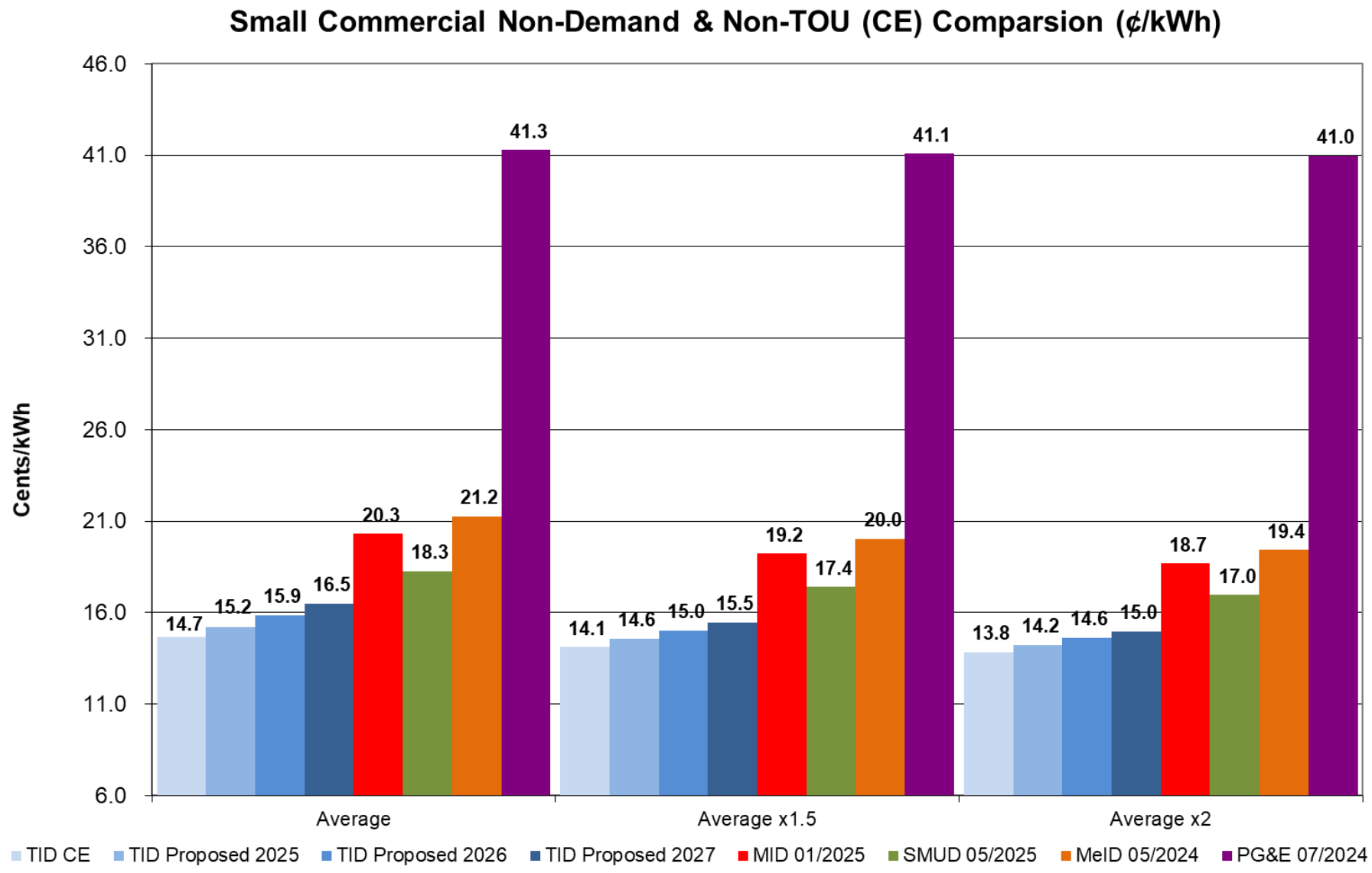
Rate Comparison: Residential (DE)

Includes Public Benefit Surcharge, Assumes Neutral PSA



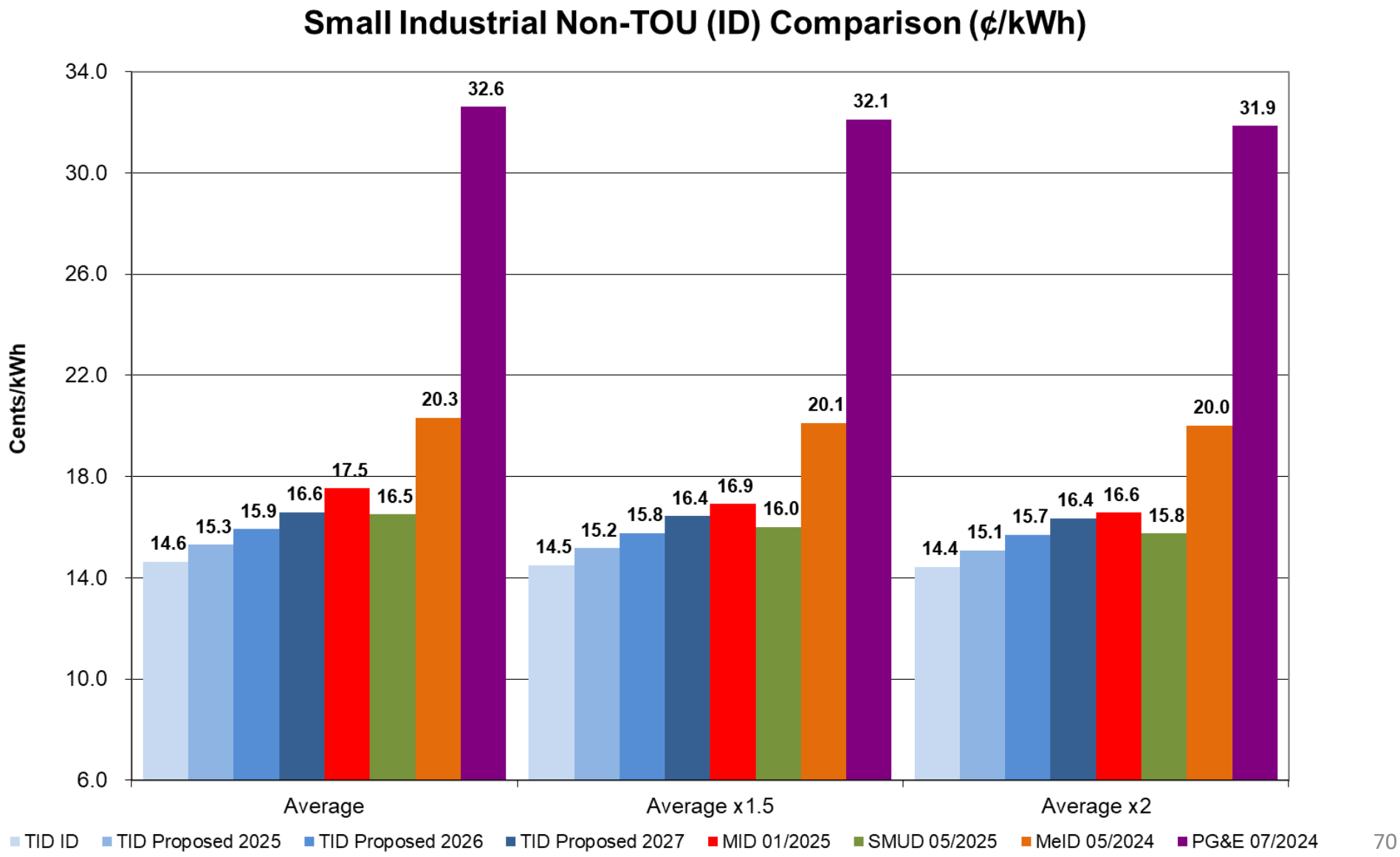
Rate Comparison: Commercial (CE)

Includes Public Benefit Surcharge, Assumes Neutral PSA



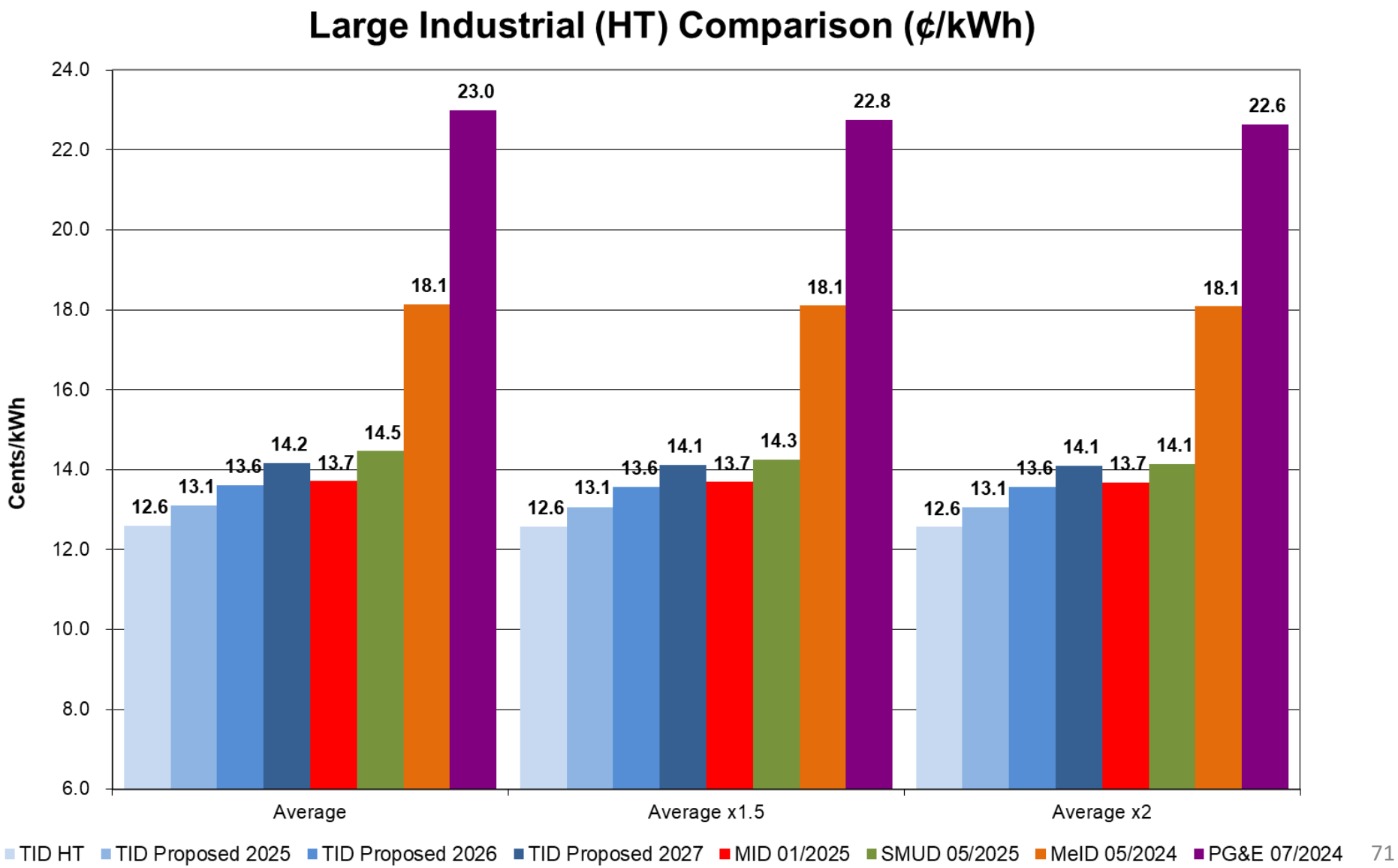
Rate Comparison: Small Industrial (ID)

Includes Public Benefit Surcharge, Assumes Neutral PSA



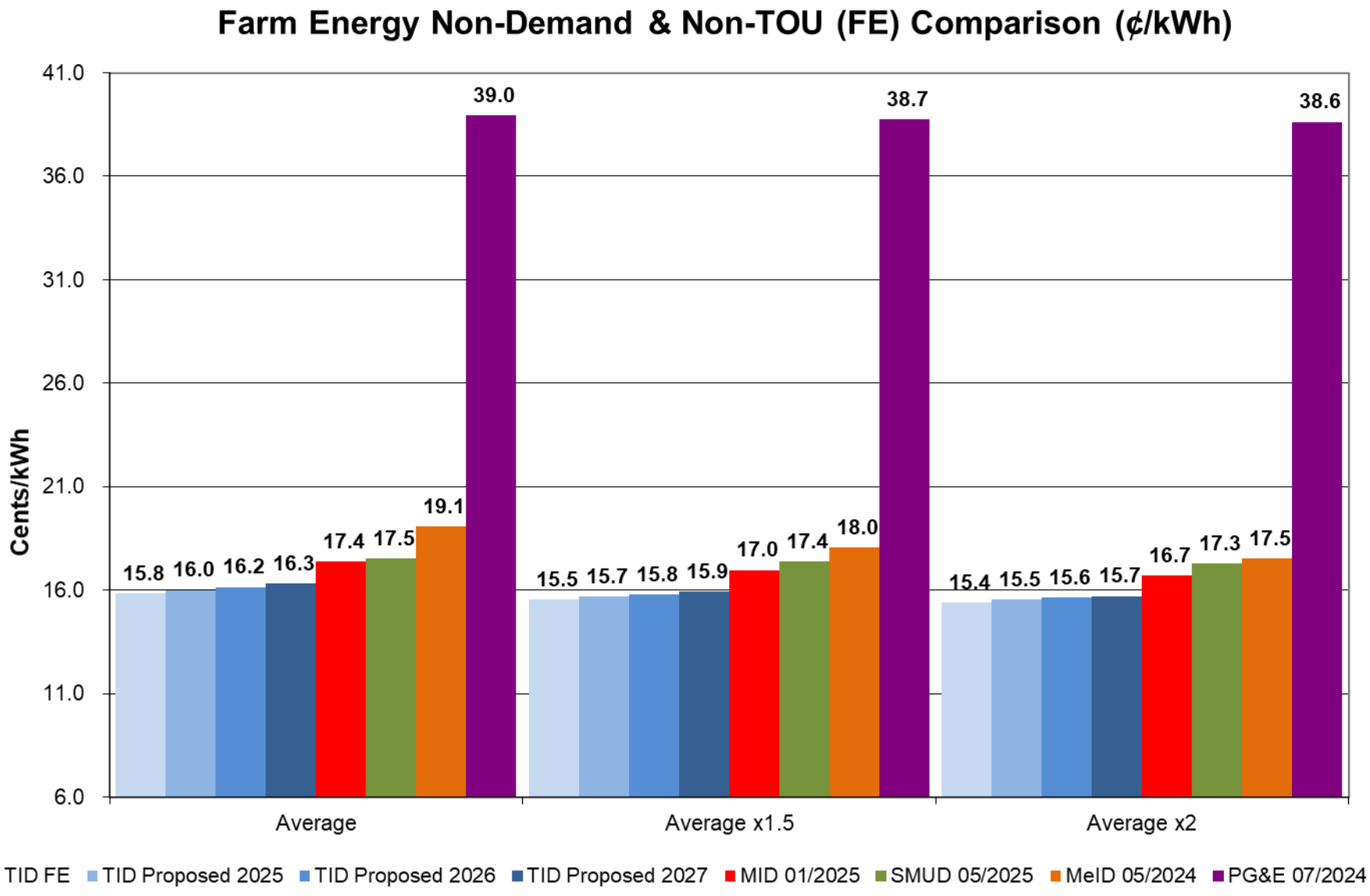
Rate Comparisons: Large Industrial (HT)

Includes Public Benefit Surcharge, Assumes Neutral PSA



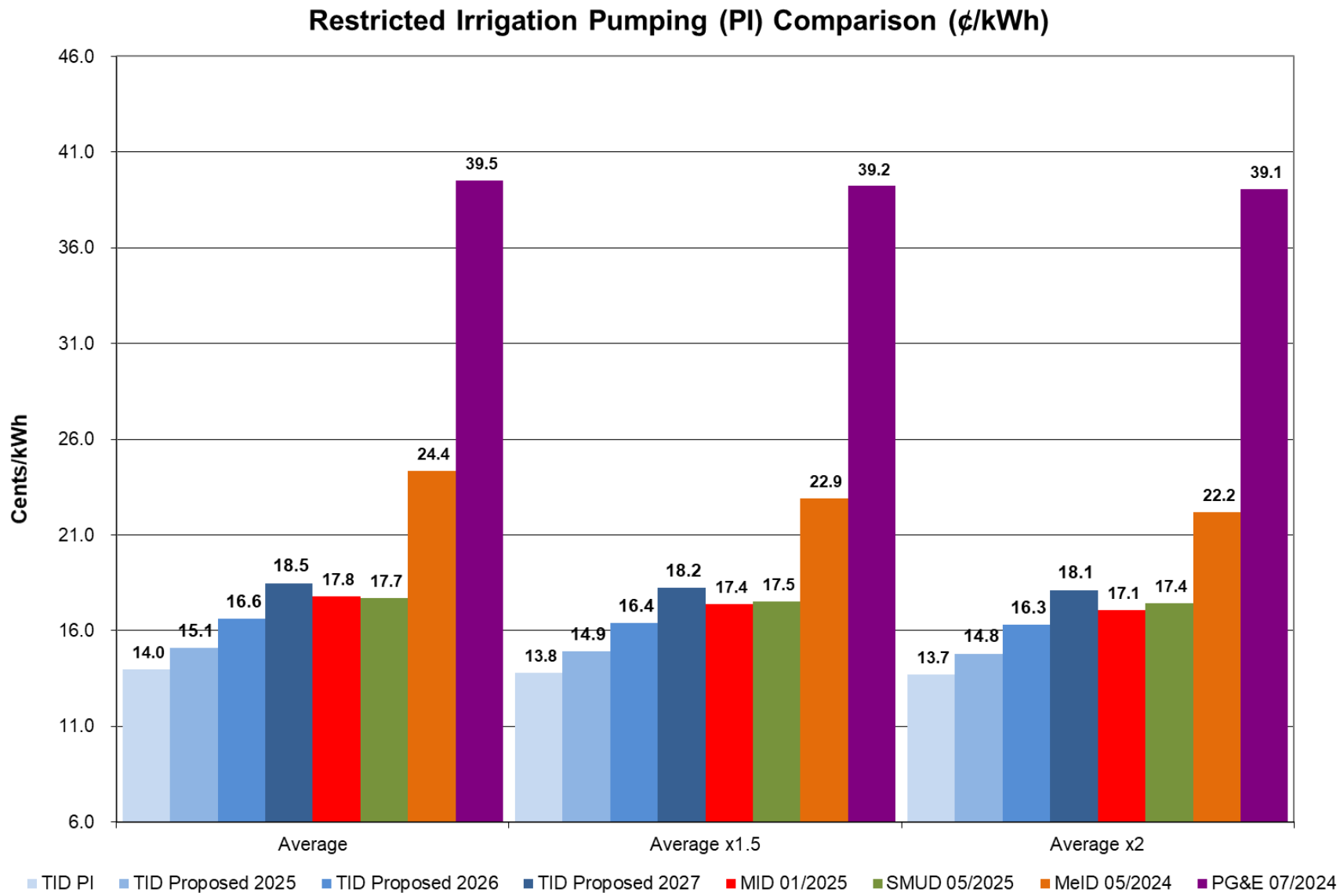
Rate Comparison: Farm (FE)

Includes Public Benefit Surcharge, Assumes Neutral PSA



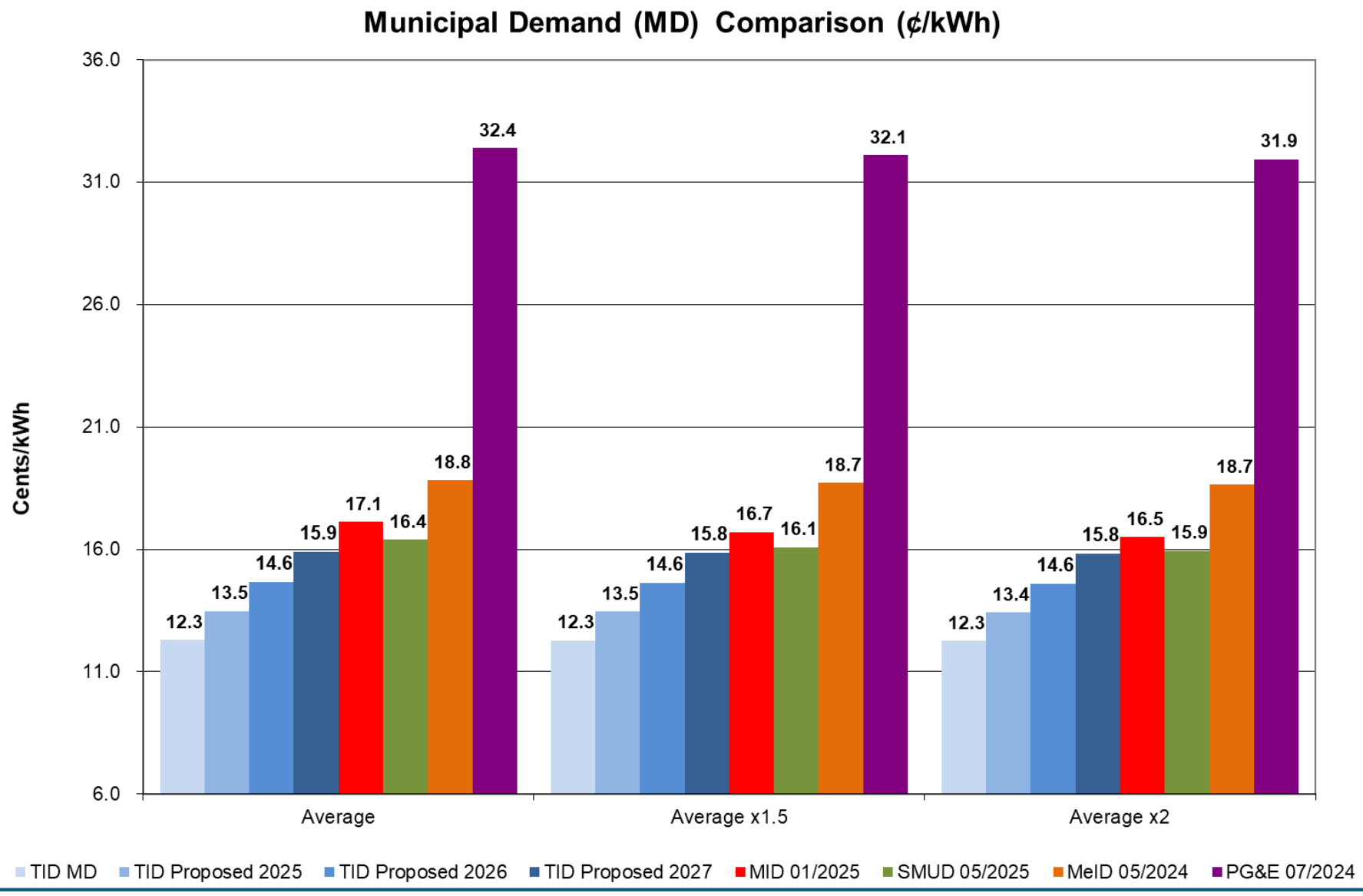
Rate Comparison: Restricted Pumping (PI)

Includes Public Benefit Surcharge, Assumes Neutral PSA



Rate Comparison: Municipal (MD)

Includes Public Benefit Surcharge, Assumes Neutral PSA



Summary and Next Steps

CARES Proposed Discount

- CARES Proposed Discount Structure 2025-2027
  - Proposed monthly customer charge discount

	2024 (Current)	2025	2026	2027
Proposed Customer Charge	$17.00	$22.00	$26.00	$30.00
Proposed CARES Customer Charge Discount	($11.00)	($16.00)	($20.00)	($30.00)
Proposed Cares Energy kWh Discount (First 800 kWh)	15%	15%	10%	0%
Average Monthly Discount	($22.61)	($26.86)	($27.51)	($30.00)

Summary Slide

- Proposed rate increase will be over three years 2025 - 2027
  - Individual customers will experience a rate impact that differs from the average
- Gradually moving revenue recovery to align with cost of service
  - Moving to collect a larger percentage of revenue need in the fixed portion of the rates (customer charge and demand charge) over time
- Power Supply Adjustment (PSA)
  - Transfer account balance to zero
  - Rate will be reset to zero in alignment with the rate change
  - PSA Reference Rate will increase

Next Steps

- Receive board feedback and make necessary adjustments
- October 30, 2024 – Large Customer Meeting
- November 5, 2024 – Water Rates Workshop
- November 13, 2024 – Grower Meeting
- November 26, 2024
  - Electric rate hearing
  - Proposed adoption of the Cost-of-Service Analysis
  - Proposed adoption of the rate tariffs, related rate riders, and PSA resolution
  - Proposed adoption of the conditions and surcharges
  - Proposed adjustment to the Energy Assistance Program
  - Proposed adoption of the Electric Service Rules
- January 14, 2025
  - Water Rate Hearing
  - Water Rate Adoption

Want More Information

- If you would like more information, please visit TID's website at www.TID.org/rateupdate
- You can also provide written comments via mail at Turlock Irrigation District, P.O Box 949, Turlock CA 95381 or via email at publiccomment@tid.org
- All written comments must be received by 9:00 AM on Tuesday, November 26, 2024.