

# PROPOSITION 218 AND COST-OF-SERVICE STUDY RESULTS AND PROPOSED 2024-2028 RATE CHANGES

## **PUBLIC WORKSHOPS – 2023**

**Monday, November 13**

**Cameron Park Community Services District**

**Thursday, November 16**

**El Dorado Irrigation District Headquarters**



# PRESENTATION SUMMARY

- EID Services
- Capital Improvement Plan (CIP) Overview
- Cost-of-Service Study and Results
- Bi-monthly Billing Customer Rate Changes
- Regional Water and Wastewater Comparisons
- Questions and Discussion

# WATER SUPPLY / HYDROELECTRIC

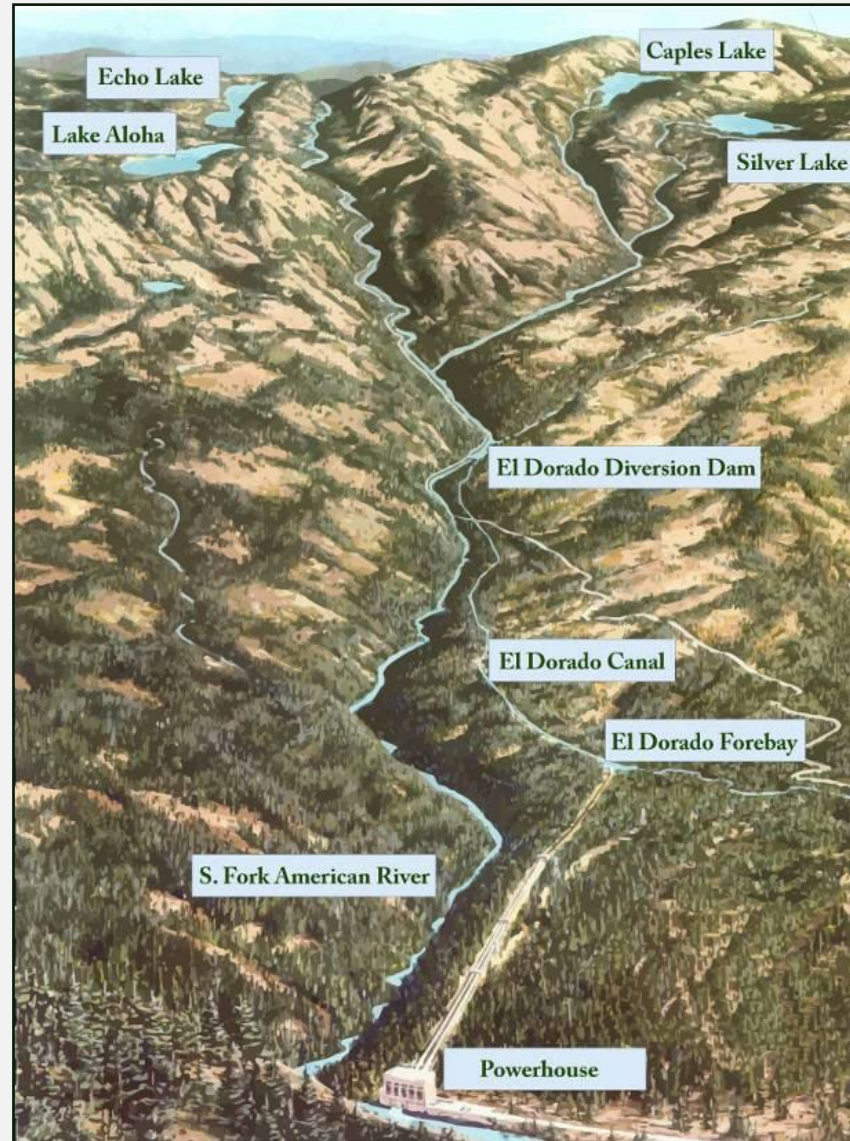
Project 184 transferred to EID in 1999. With the transfer came 15,080 acre-feet of consumptive water rights and EID has secured an additional 17,000 acre-feet of consumptive water rights from the project to serve the entire District.

Water supply project with ancillary power generation reduces the overall cost to provide drinking water.

- 5 lakes/reservoirs  
Lake Aloha, Echo Lake, Silver Lake, Caples Lake, Forebay Reservoir
- 22.3 mile canal and flume system
- 21-megawatt powerhouse
- Generates average of \$3-5 million in revenue annually



# PROJECT 184 WATER SUPPLY SYSTEM





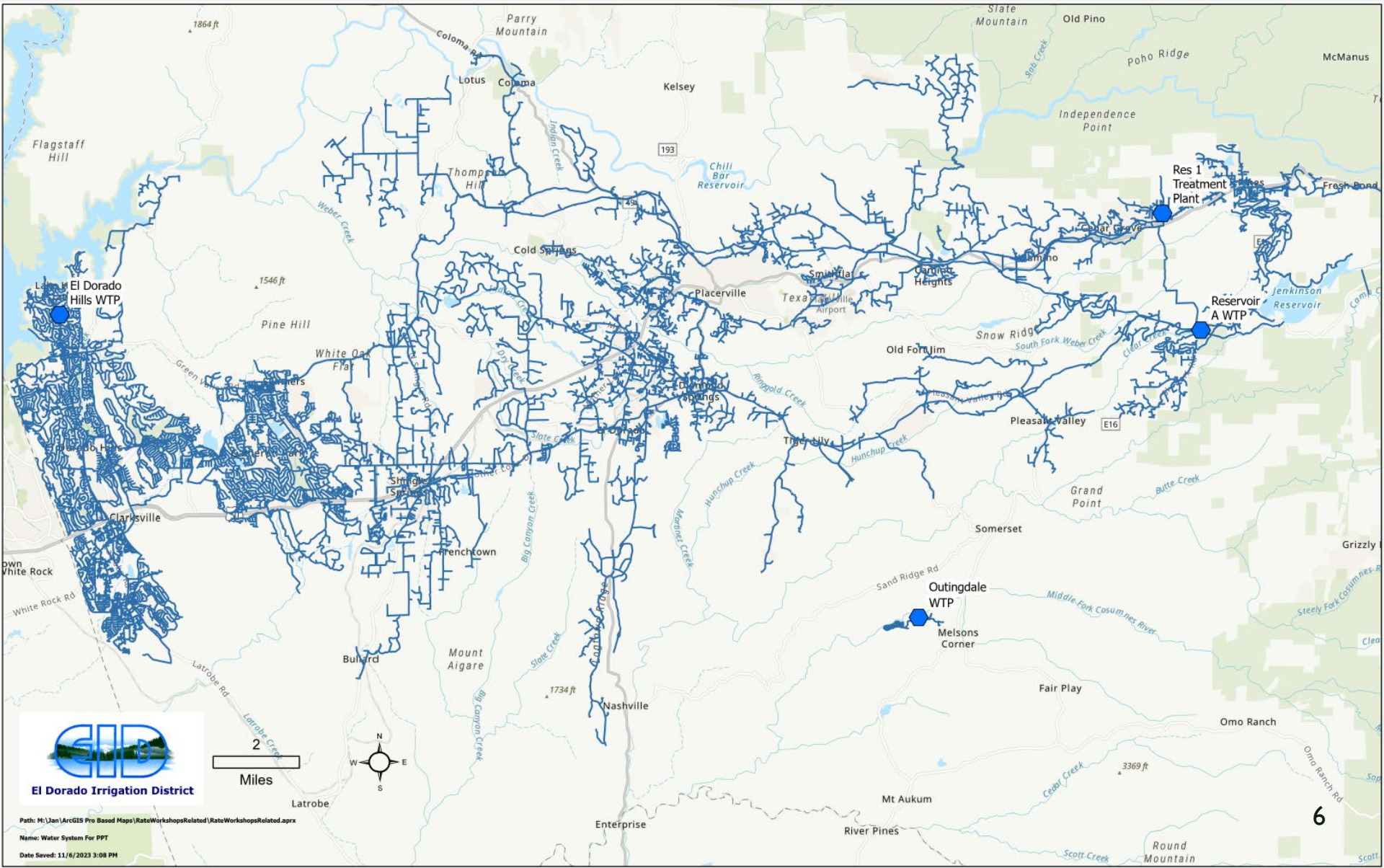
# DRINKING WATER

The reliable delivery of high-quality water is a complex task that requires constant vigilance, millions of dollars invested in treatment plants and equipment to meet regulatory requirements, and highly trained, professional employees.

- 5 treatment facilities
- 220 square miles
- 1,127 miles of pipelines
- 36 storage tanks
- 38 pumping stations
- 43,404 services



# DRINKING WATER SYSTEM



El Dorado Irrigation District

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Name: Water System For PPT

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# WASTEWATER COLLECTION AND TREATMENT

We are working to upgrade and improve our wastewater conveyance system in areas where aging infrastructure is an issue. The District is undertaking a replacement program for several lift station facilities and continuing several improvements to the treatment and collection system.

- 4 treatment facilities
- 460-mile collection system
- 60 lift stations
- 25,049 services



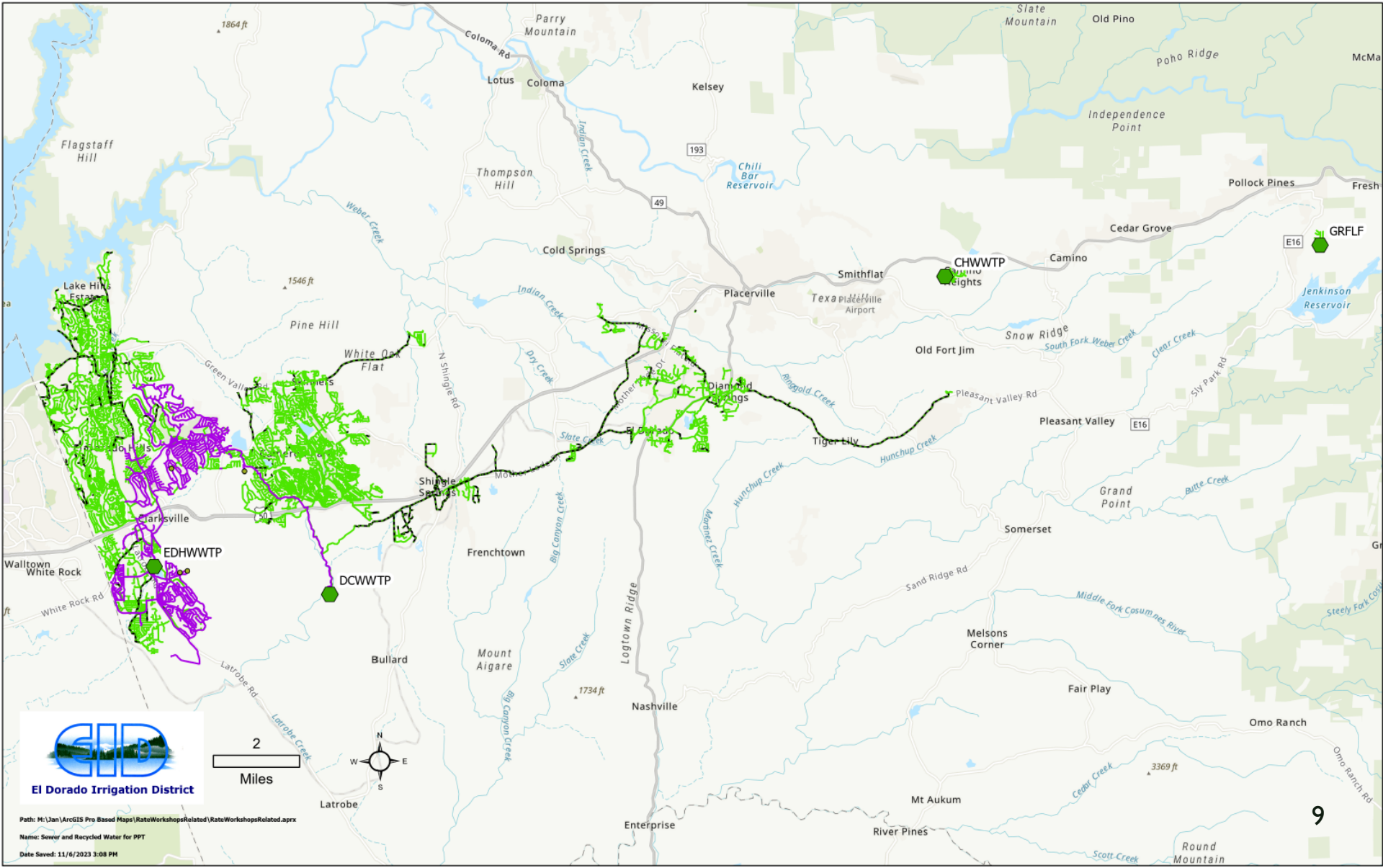
# RECYCLED WATER

The District delivers about 3,500 acre-feet of recycled water annually, or 1.1 billion gallons.

- 2 treatment facilities
- 95-miles of recycled pipelines
- 5 storage tanks
- 5 pumping stations
- 5,685 services



# WASTEWATER AND RECYCLED WATER SYSTEMS



El Dorado Irrigation District

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# RECREATION

EID's recreation sites rank among the most popular destinations in El Dorado County serving over 787,000 guests each year. Recreation sites include Sly Park as well as EID facilities at Silver Lake, Oyster Creek, Caples Lake, Echo Lake and Forebay Reservoir.





# FOLSOM LAKE INTAKE REPLACEMENT 2020-2022 \$42.7 MILLION



**\$7.5 MILLION GRANT  
TO HELP FUND THIS  
PROJECT**



# UPPER MAIN DITCH PIPELINE 2021-2022 \$15.4 MILLION



**\$1 MILLION  
GRANT TO HELP  
FUND THIS  
PROJECT**



# CALDOR FIRE FLUME REPLACEMENT \$27 MILLION



**\$22.7 MILLION  
INSURANCE AND FEMA  
REIMBURSEMENTS TO  
OFFSET \$33.8 MILLION  
IN LOSSES INCLUDING  
FLUMES**



# 2024-2028 CAPITAL IMPROVEMENT PLAN

October 23, 2023

	2024 PLANNED	2025 PLANNED	2026 PLANNED	2027 PLANNED	2028 PLANNED	FIVE-YEAR PLAN TOTAL
<b>FERC</b>	\$2,191,195	\$727,671	\$999,191	\$945,682	\$332,292	\$5,196,031
<b>Water</b>	\$26,871,587	\$27,794,723	\$32,166,360	\$49,361,209	\$48,829,612	\$185,023,491
<b>Wastewater</b>	\$11,050,000	\$7,775,000	\$11,500,000	\$6,525,000	\$4,925,000	\$41,775,000
<b>Recycled Water</b>	\$984,084	\$1,563,510	\$1,714,340	\$1,060,140	\$325,000	\$5,647,074
<b>Hydroelectric</b>	\$7,090,000	\$7,055,000	\$4,715,000	\$24,015,000	\$25,140,000	\$68,015,000
<b>Recreation</b>	\$230,000	\$245,000	\$50,000	\$160,000	\$240,000	\$925,000
<b>General District</b>	\$7,207,401	\$2,566,000	\$2,092,800	\$1,860,000	\$1,147,000	\$14,873,201
<b>TOTAL</b>	<b>\$55,624,267</b>	<b>\$47,726,904</b>	<b>\$53,237,691</b>	<b>\$83,927,031</b>	<b>\$80,938,904</b>	<b>\$321,454,797</b>

**\$1.14 BILLION IN ASSETS**



# PRIORITIZATION

- Priority 1
  - a) Health and safety b) Regulatory mandates c) Under construction
- Priority 2
  - a) Reliability and replacement b) Increased non-rate revenue (i.e., small hydro, solar, battery storage) c) Increased growth
- Priority 3
  - a) Improves efficiency b) Level of service c) Community benefit

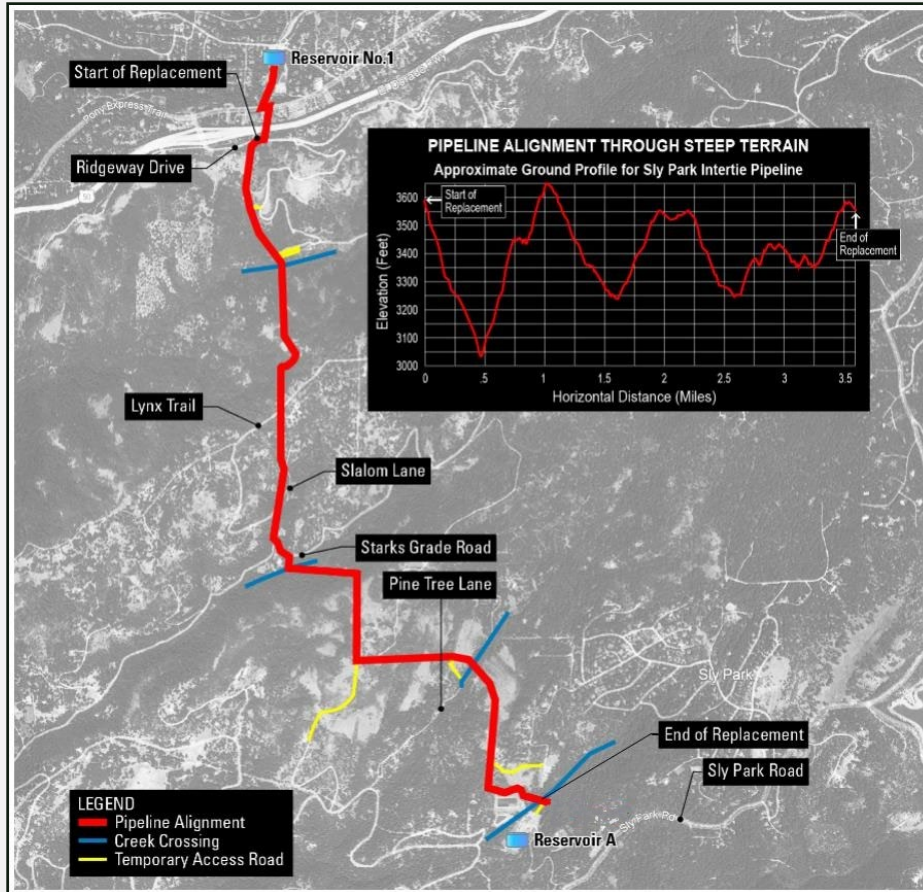
99% OF SPENDING FOR  
FIVE-YEAR CIP IS PRIORITY 1  
OR PRIORITY 2

96% OF CIP PROJECTS ARE  
REPLACEMENT WITH NO  
INCREASE IN CAPACITY

# SILVER LAKE DAM REPLACEMENT \$50 MILLION



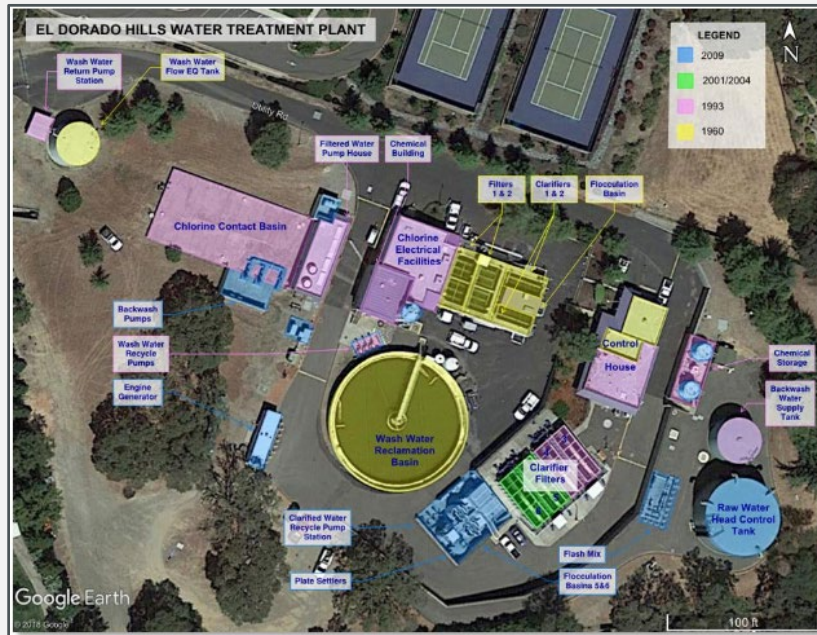
# SLY PARK INTERTIE REPLACEMENT \$30 MILLION



**\$10.75 MILLION IN GRANTS TO HELP  
FUND THIS PROJECT**



# WATER TREATMENT PLANT IMPROVEMENTS \$93 MILLION



EL DORADO HILLS  
WATER TREATMENT PLANT



RESERVOIR 1 WATER TREATMENT PLANT  
(POLLOCK PINES)

\$370 MILLION INVESTMENT NEEDED OVER 20 YEARS



# STORAGE TANK PROGRAM

## \$30 MILLION





# WATER LINE AND SERVICE LINE REPLACEMENT \$24 MILLION





# WASTEWATER SYSTEM UPGRADES



SEWER LIFT STATION UPGRADES  
\$9 MILLION



PIPELINE REPLACEMENT  
\$20 MILLION

# FINANCING THE 2024-2028 CAPITAL IMPROVEMENT PLAN

- Large projects funded by bond proceeds
  - 2024 and 2027 (\$180 million)
- Annual rate revenue for pay-as-you-go projects
- Facility Capacity Charge revenue and reserves
- Grants
  - Since 2020, five grants awarded totaling \$15.5 million
    - Waterline replacement, backup generators, Outingdale dam, hazard fuel reduction
  - Pending grant applications – potential of \$41 million
    - Silver Lake dam, flume replacement, floating cover reservoirs, recreation improvements, hazard fuel reduction

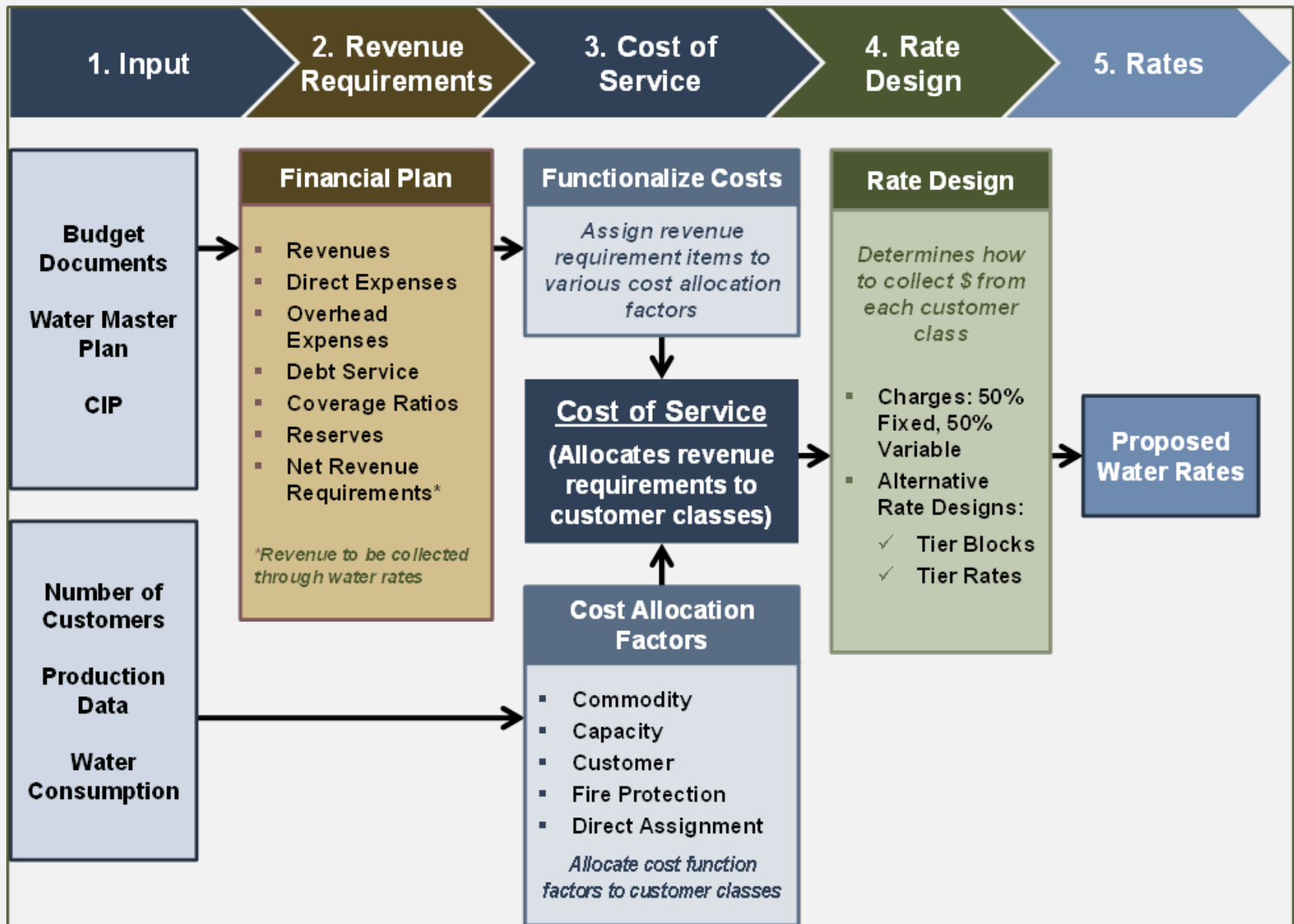
# COST-OF-SERVICE STUDY AND RESULTS

# ECONOMIC FACTORS INFLUENCING RATE CHANGES

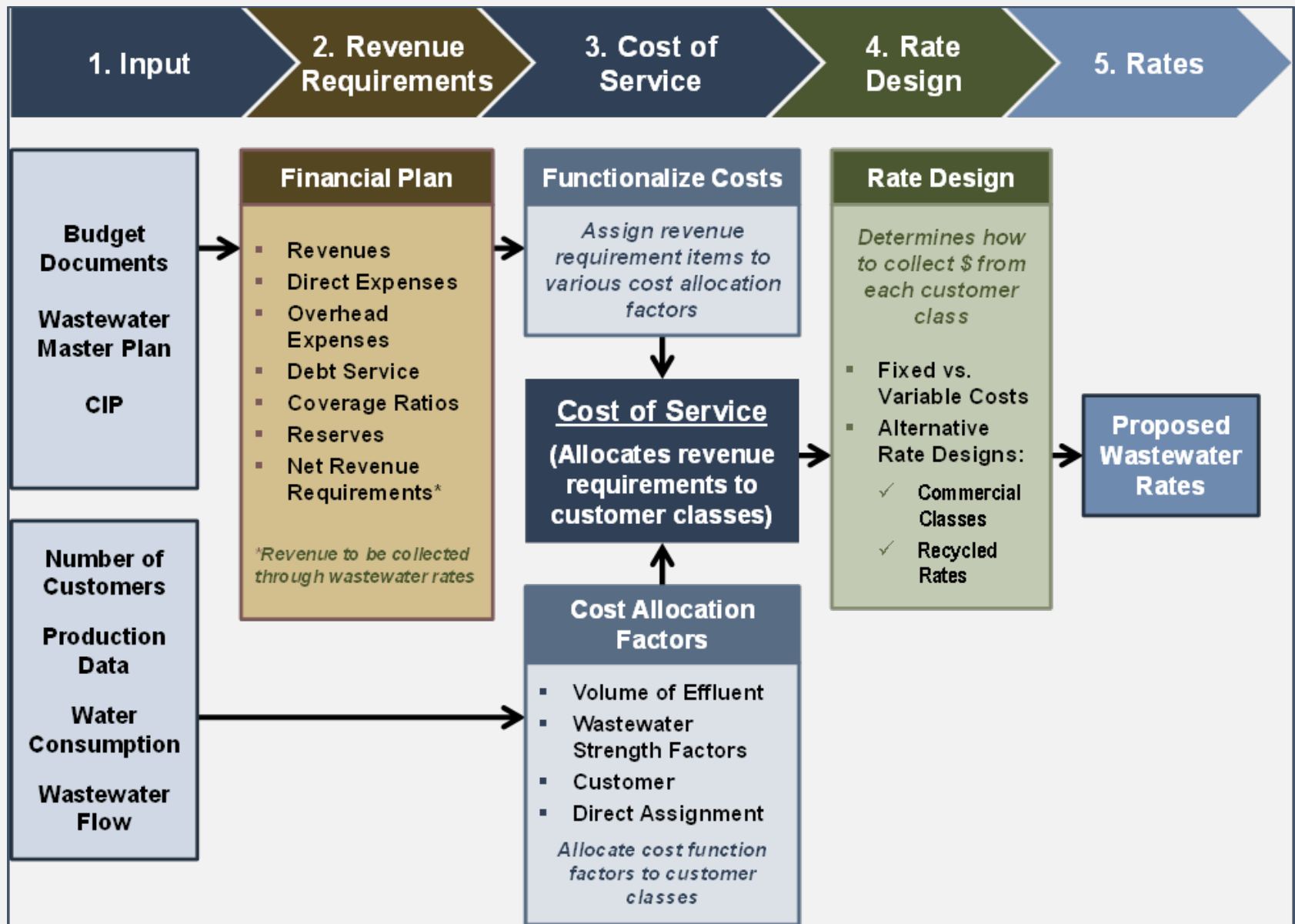
- Aging infrastructure
- Increased capital and operating costs
- Inflationary pressure
  - materials, supplies, electricity, chemicals, fuel, property and liability insurance



# WATER RATE STUDY METHODOLOGY



# WASTEWATER RATE STUDY METHODOLOGY



# 2024-2028 FINANCIAL PLAN - WATER

## (IN MILLIONS)

	2024	2025	2026	2027	2028
Revenue from rates	44.9	50.6	56.8	63.8	71.6
Other non-rate revenue					
Property tax	11.7	11.7	11.8	11.8	11.8
Hydro electric	3.5	3.5	3.5	3.5	3.5
Misc	4.8	4.9	5.0	5.1	5.2
Total other non-rate revenue	20.0	20.1	20.3	20.4	20.5
Total Revenue	64.9	70.7	77.1	84.2	92.1
Operating expenses	42.0	44.1	46.3	48.6	51.1
Debt service	19.4	21.7	26.5	26.4	31.9
Total revenue requirements	61.4	65.8	72.8	75.0	83.0



# 2024-2028 FINANCIAL PLAN - WASTEWATER

## (IN MILLIONS)

	2024	2025	2026	2027	2028
Revenue from rates	25.8	26.9	28.1	29.1	30.1
Other non-rate revenue					
Property tax	3.9	3.9	4.0	4.0	4.0
Misc	0.4	0.4	0.4	0.4	0.4
Total other non-rate revenue	4.3	4.3	4.4	4.4	4.4
Total Revenue	30.1	31.2	32.5	33.5	34.5
Operating expenses	23.1	24.0	24.9	25.9	27.0
Debt service	8.7	8.3	7.8	8.1	8.2
Total revenue requirements	31.8	32.3	32.7	34.0	35.2

# BI-MONTHLY LOW-USE RESIDENTIAL CUSTOMER PROPOSED RATE CHANGES

Bi-Monthly Bill Impacts	2024	% Change	2025	% Change	2026	% Change	2027	% Change	2028	% Change	Avg. %
Water (Only)	\$ 13.02	13.0%	\$ 13.54	12.0%	\$ 15.16	12.0%	\$ 16.99	12.0%	\$ 19.02	12.0%	12.2%
Wastewater (Only)	\$ 2.80	2.5%	\$ 3.40	3.0%	\$ 3.51	3.0%	\$ 3.61	3.0%	\$ 3.72	3.0%	2.9%
Combined Water & Wastewater	\$ 15.82	7.5%	\$ 16.94	7.5%	\$ 18.67	7.7%	\$ 20.60	7.9%	\$ 22.74	8.0%	7.7%
Water, Wastewater & Recycled	\$ 34.80	13.5%	\$ 18.93	6.5%	\$ 20.72	6.7%	\$ 22.70	6.8%	\$ 24.91	7.0%	8.1%

# BI-MONTHLY AVERAGE-USE RESIDENTIAL CUSTOMER PROPOSED RATE CHANGES

Bi-Monthly Bill Impacts	2024	% Change	2025	% Change	2026	% Change	2027	% Change	2028	% Change	Avg. %
Water (Only)	\$ 16.81	13.7%	\$ 16.73	12.0%	\$ 18.74	12.0%	\$ 20.98	12.0%	\$ 23.50	12.0%	12.3%
Wastewater (Only)	\$ 2.80	2.5%	\$ 3.40	3.0%	\$ 3.51	3.0%	\$ 3.61	3.0%	\$ 3.72	3.0%	2.9%
Combined Water & Wastewater	\$ 19.61	8.4%	\$ 20.13	8.0%	\$ 22.24	8.1%	\$ 24.60	8.3%	\$ 27.22	8.5%	8.3%
Water, Wastewater & Recycled	\$ 28.11	9.7%	\$ 20.29	6.4%	\$ 22.20	6.6%	\$ 24.31	6.8%	\$ 26.66	6.9%	7.3%

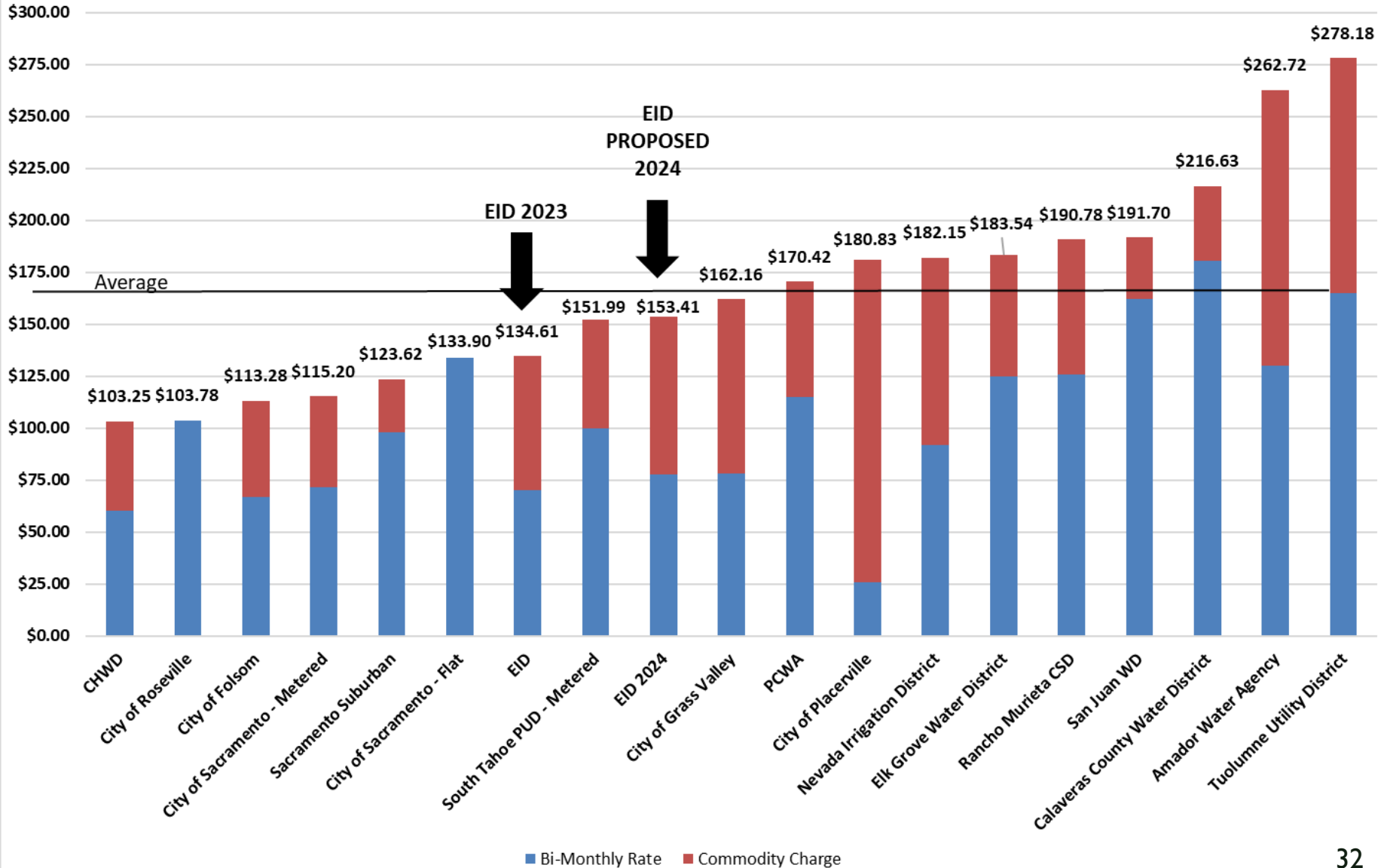


# BI-MONTHLY HIGH-USE RESIDENTIAL CUSTOMER PROPOSED RATE CHANGES

Bi-Monthly Bill Impacts	2024	% Change	2025	% Change	2026	% Change	2027	% Change	2028	% Change	Avg. %
Water (Only)	\$ 21.18	14.2%	\$ 20.42	12.0%	\$ 22.88	12.0%	\$ 25.62	12.0%	\$ 28.69	12.0%	12.4%
Wastewater (Only)	\$ 2.80	2.5%	\$ 3.40	3.0%	\$ 3.51	3.0%	\$ 3.61	3.0%	\$ 3.72	3.0%	2.9%
Combined Water & Wastewater	\$ 23.98	9.2%	\$ 23.82	8.4%	\$ 26.39	8.6%	\$ 29.23	8.8%	\$ 32.41	8.9%	8.8%
Water, Wastewater & Recycled	\$ 30.11	8.6%	\$ 26.69	7.0%	\$ 29.33	7.2%	\$ 32.27	7.4%	\$ 35.54	7.6%	7.6%

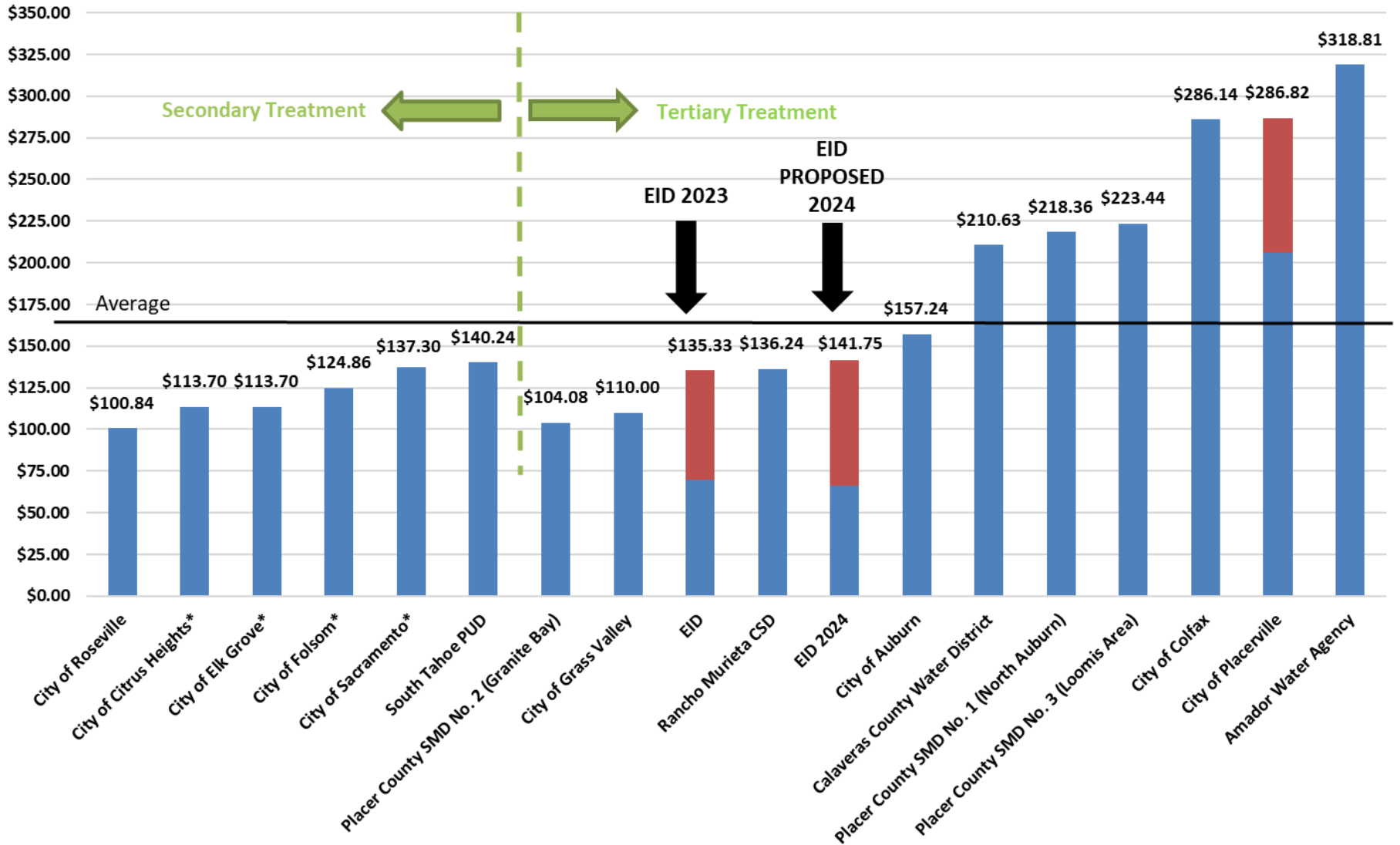
# Regional Water Bill Comparison - 2023

For  
Bi-Monthly Service - Single Family Residence: 5/8 - 3/4" Meter & 3000 cf of Usage



# Regional Sewer Bill Comparison - 2023

for  
Bi-Monthly Service - Single Family Residence: 1600 cf of Winter Usage



\*Served by Sacramento Regional Sanitation District (SRCSD) regional wastewater treatment facility. Mandated treatment facility improvements from secondary to tertiary are estimated to be completed by 2023.



# QUESTIONS AND DISCUSSION