

# Water and Wastewater Rate Study Update

CITY OF ANGELS CAMP

FOUNDED 1848 - EST 1912



July 16, 2024



# Presentation Overview



**Legal Requirements (Proposition 218)**



**Water Enterprise Background**



**Water Bill Impacts & Rate Survey**



**Wastewater Enterprise Background**



**Wastewater Bill Impacts & Rate  
Survey**

# Legal Requirements (Proposition 218)

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## Procedural

Must mail a notice of the proposed rate increases to all affected property owners.

Must hold a public hearing prior to adopting the proposed rate increases not less than 45 days after the required notices are mailed.

## Substantive

The amount of the fee or charge levied on any customer shall not exceed the proportional cost of service attributable to that customer.

Revenues derived from the fee or charge cannot exceed the funds required to provide the service.

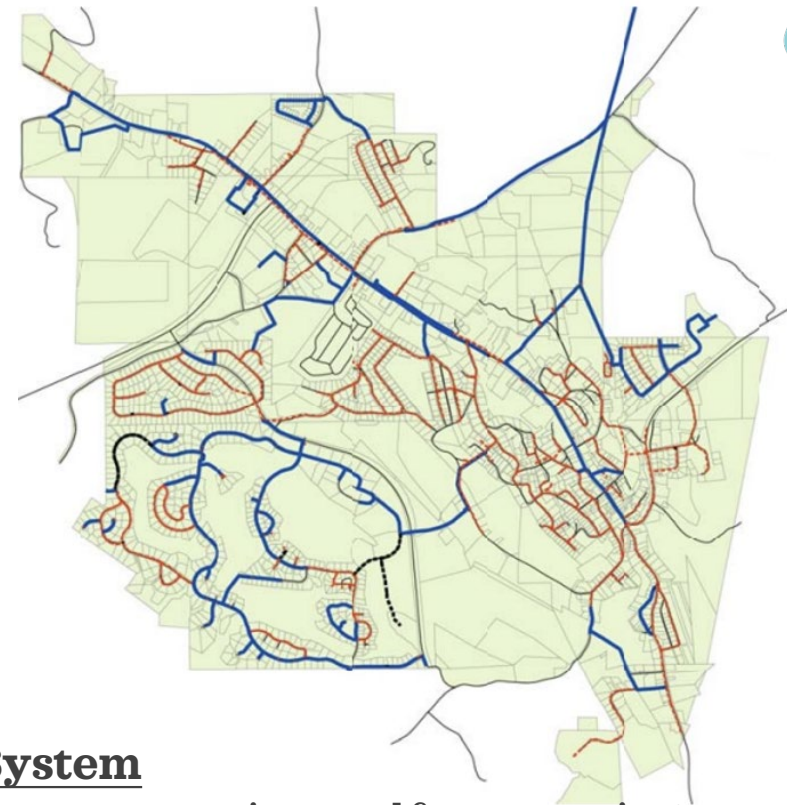
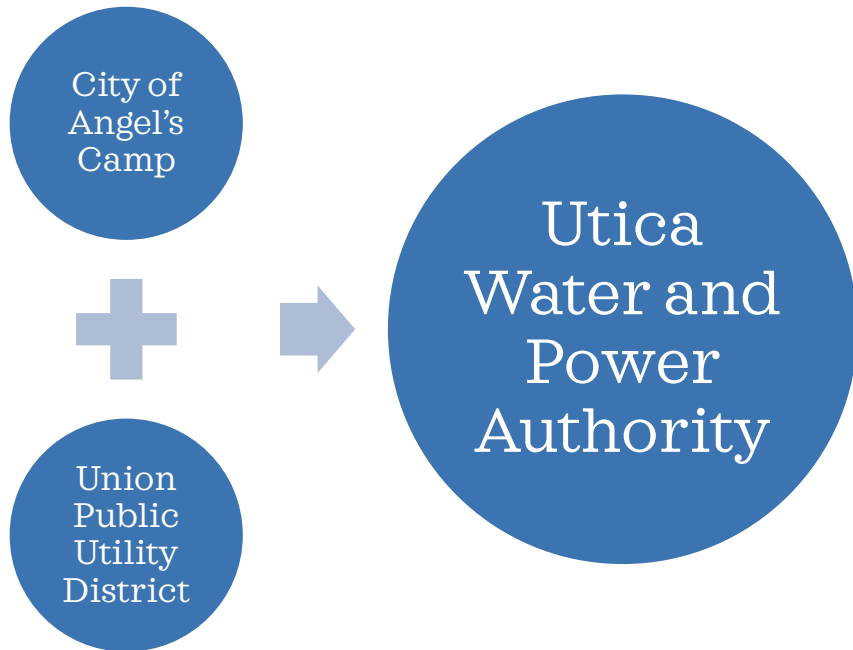
Revenues derived from the fee or charge can only be used for the purpose for which the fee was imposed.

# Water Enterprise Background



## Water Supply

Provided through a Joint Powers Agreement (JPA) between the City of Angels and Union Public Utility District (UPUD). The JPA, known as the Utica Water and Power Authority (UWPA) has served the City and it's partner agency since 1995.



## Water System

The water system is a self-supporting enterprise that includes water supply, treatment, storage and distribution facilities.

# Summary of Findings – Water System

## Sources of Revenue

## System Costs

Grants?

Drought  
Conditions?

Rate Revenues

New Connections

Financial Reserves

Ongoing JPA Obligations

Projected 5% costs increases

Approximately \$1.8M / year in O&M

5- Year CIP \$16.0M

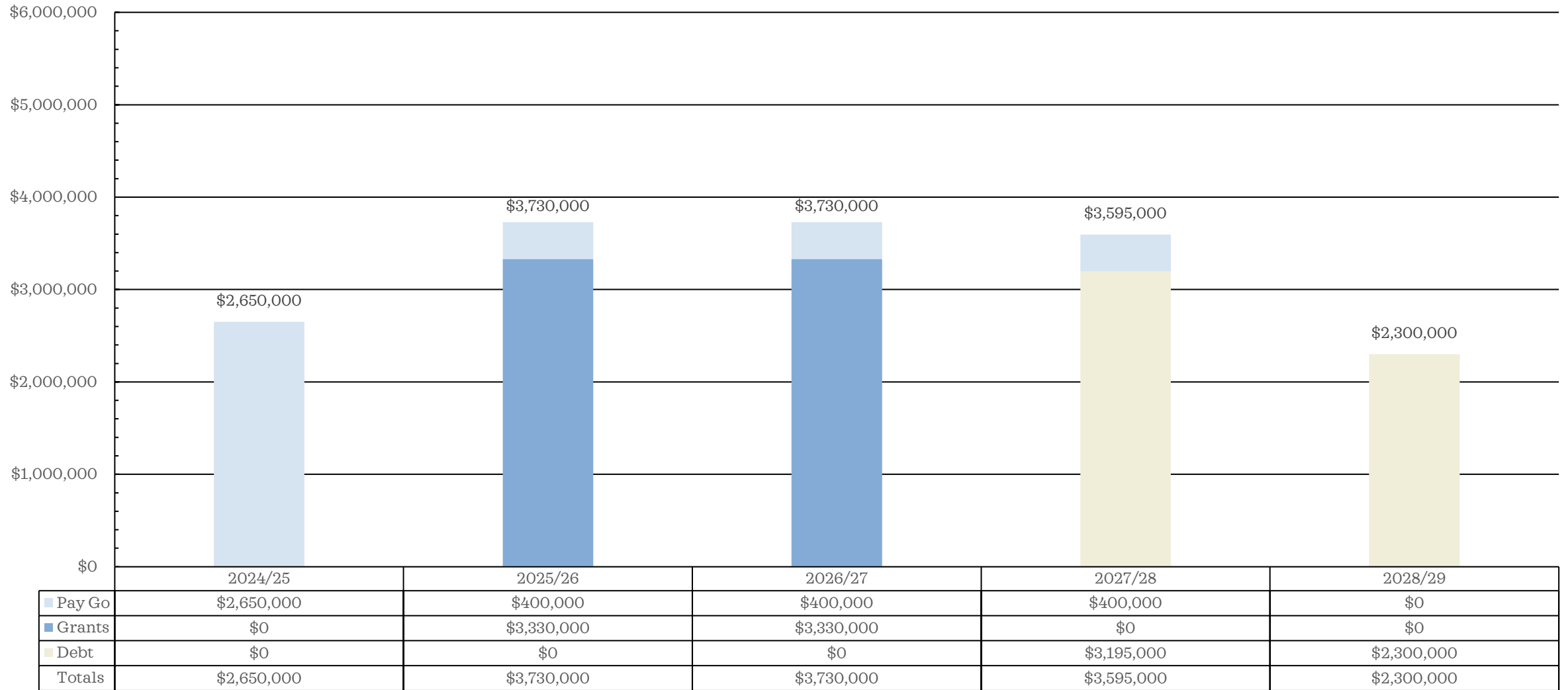
# Current Monthly Water Rates

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**All Water Users**      **\$/hcf**      HCF = Hundred Cubic Feet or ~748 gallons  
 All Use      \$1.69

<b>Meter Size</b>	<b>Meter Rate</b>	<b>UWPA Fee</b>	<b>Monthly Fixed Water Charges</b>
5/8"	\$46.93	\$13.91	\$60.84
3/4"	\$70.40	\$20.86	\$91.26
1"	\$117.33	\$34.77	\$152.10
1 1/2"	\$234.65	\$69.55	\$304.20
2"	\$375.44	\$111.27	\$486.71
3"	\$703.95	\$208.64	\$912.59
4"	\$1,173.25	\$347.73	\$1,520.98
6"	\$2,346.51	\$695.46	\$3,041.97
Construction Meter	\$70.40	\$20.86	\$91.26

# 5-Year Water CIP & Funding Sources



# Proposed Monthly Water Rates

		<b>Proposed 2025/26</b>	<b>Proposed 2026/27</b>	<b>Proposed 2027/28</b>	<b>Proposed 2028/29</b>	<b>Proposed 2029/30</b>
	<b>Proposed % Increase</b>	<b>5%</b>	<b>5%</b>	<b>5%</b>	<b>5%</b>	<b>5%</b>
<b>All Water Users</b>	<b>Current Volumetric Rate</b>					
All Use, \$/hcf	\$1.69	\$1.77	\$1.86	\$1.95	\$2.05	\$2.15
<b>Meter Size</b>	<b>Current Meter Rate</b>					
5/8"	\$46.93	\$49.28	\$51.74	\$54.33	\$57.05	\$59.90
3/4"	\$70.40	\$73.92	\$77.61	\$81.50	\$85.58	\$89.85
1"	\$117.33	\$123.20	\$129.35	\$135.83	\$142.63	\$149.75
1 1/2"	\$234.65	\$246.40	\$258.70	\$271.65	\$285.25	\$299.50
2"	\$375.44	\$394.24	\$413.92	\$434.64	\$456.40	\$479.20
3"	\$703.95	\$739.20	\$776.10	\$814.95	\$855.75	\$898.50
4"	\$1,173.25	\$1,232.00	\$1,293.50	\$1,358.25	\$1,426.25	\$1,497.50
6"	\$2,346.51	\$2,464.00	\$2,587.00	\$2,716.50	\$2,852.50	\$2,995.00
Construction Meter	\$70.40	\$73.92	\$77.61	\$81.50	\$85.58	\$89.95



# Proposed Monthly UWPA Charges Option 1

	<b>Proposed 2024/25</b>	<b>Proposed 2025/26</b>	<b>Proposed 2026/27</b>	<b>Proposed 2027/28</b>	<b>Proposed 2028/29</b>
<b>Annual Contribution \$</b>	<b>\$370,000</b>	<b>\$407,000</b>	<b>\$447,700</b>	<b>\$492,470</b>	<b>\$541,717</b>
<b>Annual Contribution %</b>	<b>-9.23%</b>	<b>10.00%</b>	<b>10.00%</b>	<b>10.00%</b>	<b>10.00%</b>

<b>Meter Size</b>	<b>Current UWPA Rates</b>					
5/8"	\$13.91	\$12.30	\$13.31	\$14.64	\$16.10	\$17.71
3/4"	\$20.86	\$18.45	\$19.96	\$21.95	\$24.15	\$26.57
1"	\$34.77	\$30.75	\$33.26	\$36.59	\$40.25	\$44.28
1 1/2"	\$69.55	\$61.49	\$66.53	\$73.18	\$80.50	\$88.55
2"	\$111.27	\$98.39	\$106.45	\$117.09	\$128.80	\$141.68
3"	\$208.64	\$184.48	\$199.59	\$219.55	\$241.50	\$265.65
4"	\$347.73	\$307.47	\$332.65	\$365.91	\$402.50	\$442.75
6"	\$695.46	\$614.94	\$665.29	\$731.82	\$805.01	\$885.51
Construction Meter	\$20.86	\$18.45	\$19.96	\$21.95	\$24.15	\$26.57

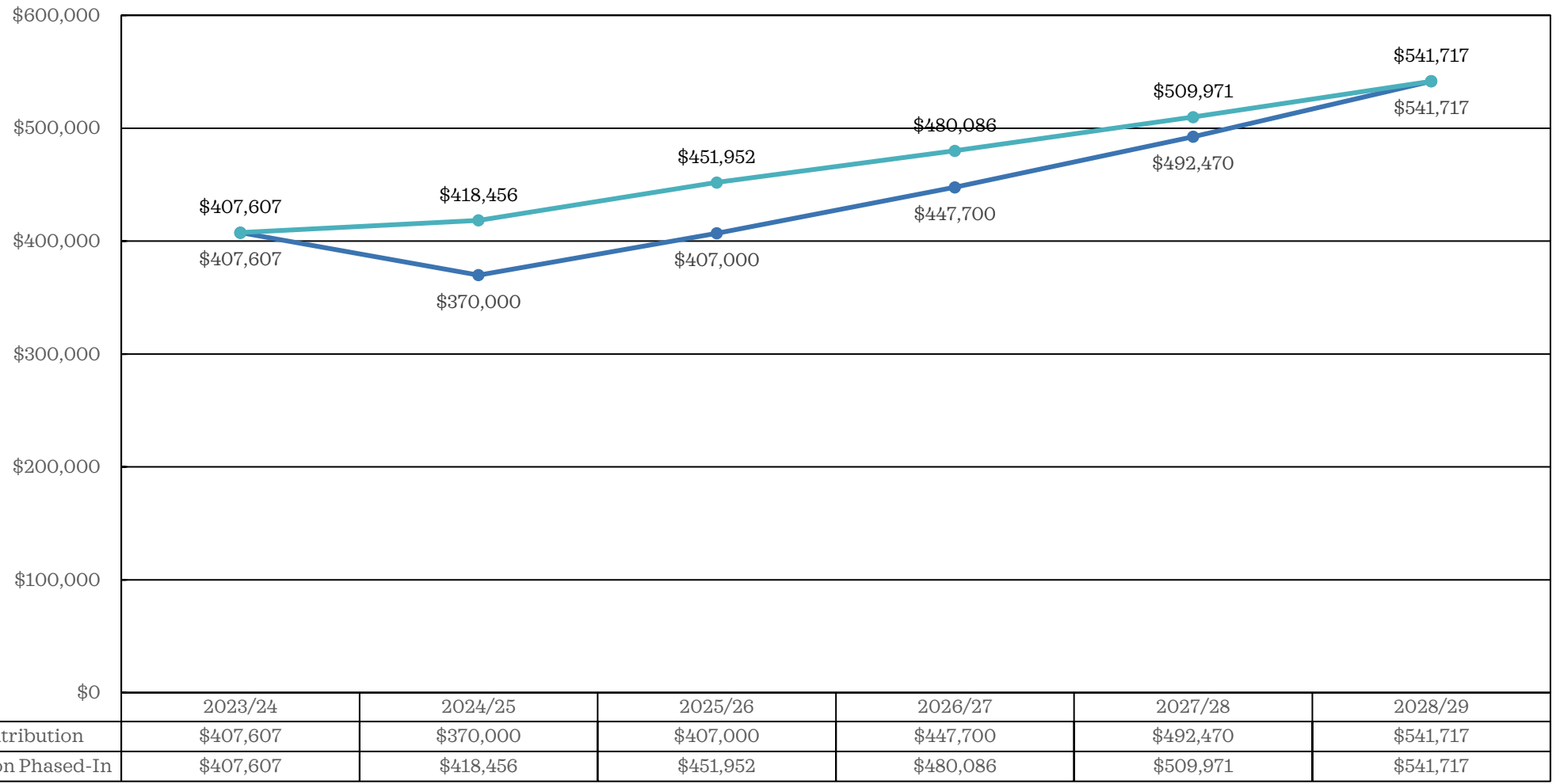
# Proposed Phased In Monthly UWPA Charges Option 2

		<b>Proposed 2024/25</b>	<b>Proposed 2025/26</b>	<b>Proposed 2026/27</b>	<b>Proposed 2027/28</b>	<b>Proposed 2028/29</b>
	<b>Proposed Phase-In %</b>	<b>0.00%</b>	<b>6.22%</b>	<b>6.22%</b>	<b>6.22%</b>	<b>6.22%</b>
<b>Meter Size</b>	<b>Current UWPA Rates</b>					
5/8"	\$13.91	\$13.91	\$14.78	\$15.70	\$16.67	\$17.71
3/4"	\$20.86	\$20.86	\$22.16	\$23.54	\$25.01	\$26.57
1"	\$34.77	\$34.77	\$36.94	\$39.24	\$41.68	\$44.28
1 1/2"	\$69.55	\$69.55	\$73.88	\$78.48	\$83.36	\$88.55
2"	\$111.27	\$111.28	\$118.20	\$125.56	\$133.38	\$141.68
3"	\$208.64	\$208.64	\$221.63	\$235.43	\$250.08	\$265.65
4"	\$347.73	\$347.74	\$369.39	\$392.38	\$416.81	\$442.75
6"	\$695.46	\$695.48	\$738.77	\$784.76	\$833.61	\$885.51
Construction Meter	\$20.86	\$20.86	\$22.16	\$23.54	\$25.01	\$26.57

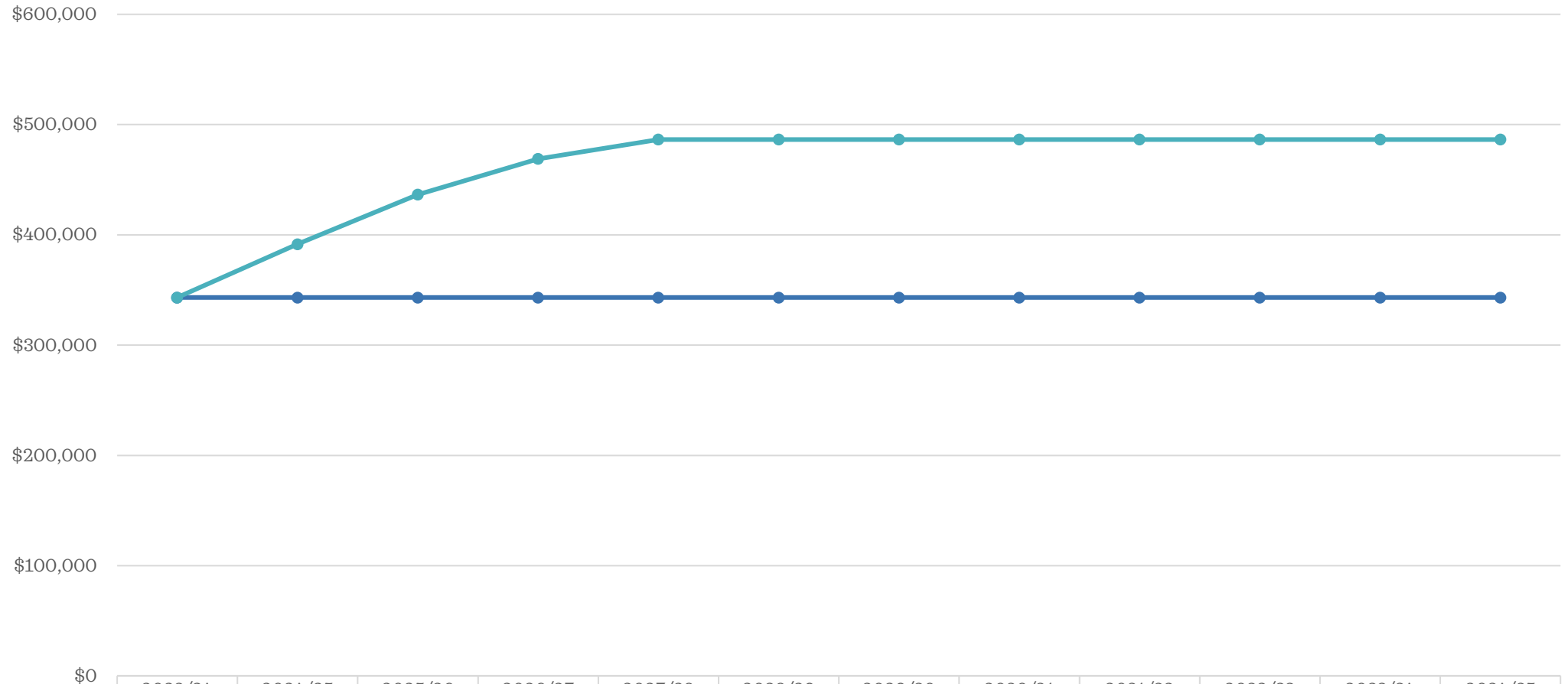
# Summary of Charges: UWPA Passthrough Costs

	<b>Fiscal Year</b>	<b>2024/25</b>	<b>2025/26</b>	<b>2026/27</b>	<b>2027/28</b>	<b>2028/29</b>
<b>Annual Contribution \$</b>		<b>\$370,000</b>	<b>\$407,000</b>	<b>\$447,700</b>	<b>\$492,470</b>	<b>\$541,717</b>
<b>Projected 5/8" Meter Equivalents</b>		<b>2,507</b>	<b>2,549</b>	<b>2,549</b>	<b>2,549</b>	<b>2,549</b>
<b>5/8" Meter Size</b>	<b>Current</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>
<b><u>Option 1</u></b>						
Annual Contribution %		-9.23%	10.00%	10.00%	10.00%	10.00%
UWPA Proposed	\$13.91	\$12.30	\$13.31	\$14.64	\$16.10	\$17.71
Reserve Balances	\$343,118	\$343,118	\$343,118	\$343,118	\$343,118	\$343,118
<b><u>Option 2</u></b>						
Proposed Phase-In %		0.00%	6.22%	6.22%	6.22%	6.22%
UWPA Proposed	\$13.91	\$13.91	\$14.78	\$15.70	\$16.67	\$17.71
Reserve Balances	\$343,118	\$391,574	\$436,526	\$468,912	\$486,414	\$486,414

# UWPA Passthrough Charges and Annual Contributions



# UWPA Reserve Balance



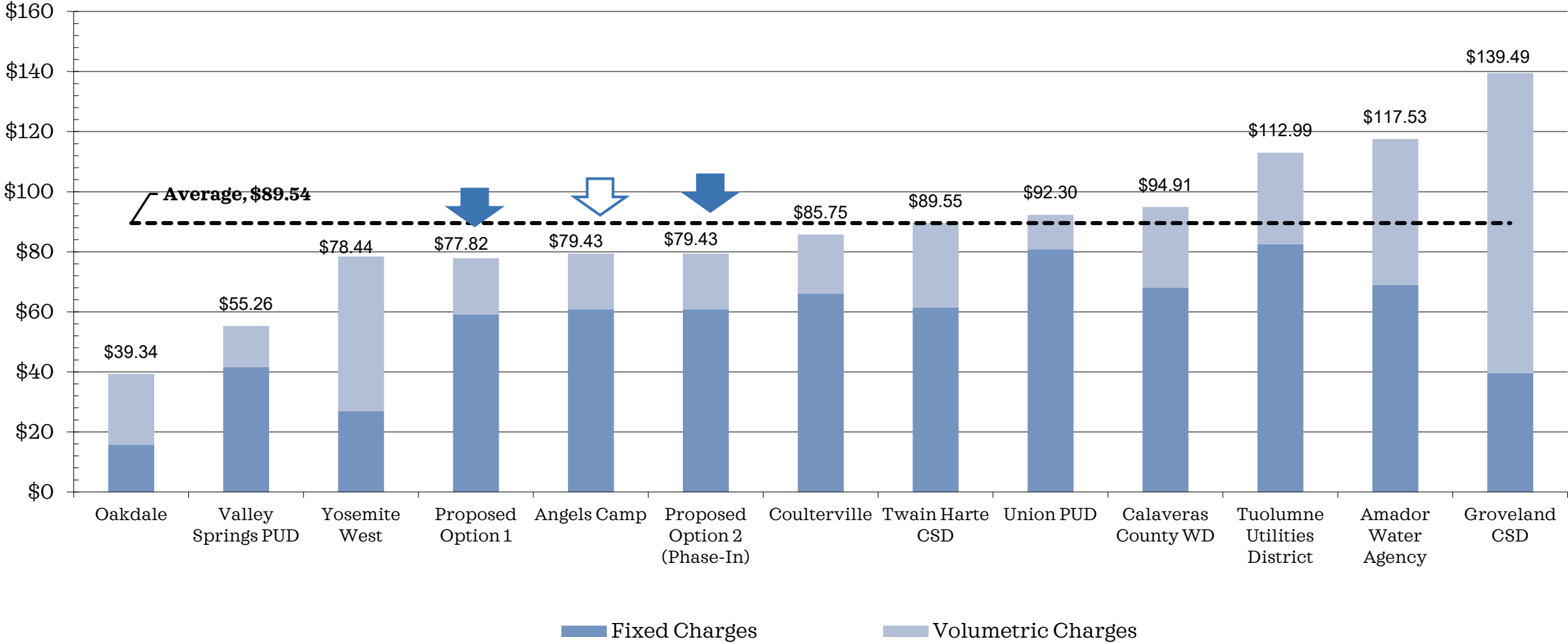
	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
● Reserves Option 1	\$343,118	\$343,118	\$343,118	\$343,118	\$343,118	\$343,118	\$343,118	\$343,118	\$343,118	\$343,118	\$343,118	\$343,118
● Reserves Option 2	\$343,118	\$391,574	\$436,526	\$468,912	\$486,414	\$486,414	\$486,414	\$486,414	\$486,414	\$486,414	\$486,414	\$486,414

# Single Family Home Monthly Bill Impacts

## Average Residential User

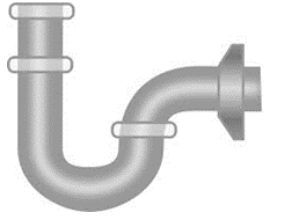
	<b>Current Rate</b>	<b>Proposed 2024/25</b>	<b>Proposed 2025/26</b>	<b>Proposed 2026/27</b>	<b>Proposed 2027/28</b>	<b>Proposed 2028/29</b>	<b>Proposed 2029/30</b>
<b>Option 1</b>							
Fixed Meter Charge	\$46.93	\$46.93	\$49.28	\$51.74	\$54.33	\$57.05	\$59.90
UWPA	\$13.91	\$12.30	\$13.31	\$14.64	\$16.10	\$17.71	\$18.60
11 HCF, monthly	<u>\$18.59</u>	<u>\$18.59</u>	<u>\$19.47</u>	<u>\$20.46</u>	<u>\$21.45</u>	<u>\$22.55</u>	<u>\$23.65</u>
<b>Total Monthly</b>	<b>\$79.43</b>	<b>\$77.82</b>	<b>\$82.06</b>	<b>\$86.84</b>	<b>\$91.88</b>	<b>\$97.31</b>	<b>102.15</b>
<b>Option 2</b>							
Fixed Meter Charge	\$46.93	\$46.93	\$49.28	\$51.74	\$54.33	\$57.05	\$59.90
UWPA, Phased In	\$13.91	\$13.91	\$14.78	\$15.70	\$16.67	\$17.71	\$18.60
11 HCF, monthly	<u>\$18.59</u>	<u>\$18.59</u>	<u>\$19.47</u>	<u>\$20.46</u>	<u>\$21.45</u>	<u>\$22.55</u>	<u>\$23.65</u>
<b>Total Monthly</b>	<b>\$79.43</b>	<b>\$79.43</b>	<b>\$83.53</b>	<b>\$87.90</b>	<b>\$92.45</b>	<b>\$97.31</b>	<b>\$102.15</b>

# Single Family Residential Monthly Water Rate Survey (January 2024)



Assumes 11 HCF use per month.

# Wastewater Enterprise Background



Wastewater system is a self-supporting enterprise

Major activities include: Collection, storage, treatment, and disposal of wastewater.

The City operates the wastewater treatment facility, holding ponds, lift stations, maintains effluent lines, and provides secondary/tertiary wastewater for irrigation.



# Summary of Findings – Wastewater System

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- O&M Costs approximately \$1.8 million per year,  
projected to increase by about 5.5% per year
- 5-Year Capital Improvement Plan = \$6.0 Million
- \$345,000 annual debt service

# 5-Year Wastewater CIP & Funding Sources



# Current Monthly Wastewater Rates

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<b>User Class</b>	<b>Current Rate</b>	<b>Description</b>
<b>Residential</b>		
Single Family, Mobile Home, Multi-Family	\$107.95	\$ / dwelling unit
<b>Non-Residential</b>		
Commercial and Industrial	\$136.30	\$ / establishment
Other Institutional	\$0.0208	\$ / gallon , winter use
Six Mile Village	\$0.0144	\$ / gallon

# Proposed Monthly Wastewater Rates Option 1

<b>User Class</b>	<b>Current Rate</b>	<b>Proposed 2025/26</b>	<b>Proposed 2026/27</b>	<b>Proposed 2027/28</b>	<b>Proposed 2028/29</b>	<b>Proposed 2029/30</b>
<b>Proposed Increase %</b>		<b>2%</b>	<b>2%</b>	<b>2%</b>	<b>2%</b>	<b>2%</b>
<b>Fixed Billing Rates</b>						
<b>Single Family, Mobile Home, Multi-Family</b>	\$107.95	\$110.11	\$112.31	\$114.56	\$116.85	\$119.19
<b>Commercial and Industrial</b>	\$136.30	\$139.03	\$141.81	\$144.65	\$147.54	\$150.49
<b>Volumetric Billing Rates</b>						
<b>Other Institutional</b>	\$/gallon, \$0.0208	\$0.0212	\$0.0216	\$0.0222	\$0.0224	\$0.0228
<b>Six Mile Village</b>	\$/gallon \$0.0144	To be billed at same rates as residential and commercial customers.				

# Proposed Monthly Wastewater Rates Option 2

<b>User Class</b>	<b>Current Rates</b>	<b>Proposed 2025/26</b>	<b>Proposed 2026/27</b>	<b>Proposed 2027/28</b>	<b>Proposed 2028/29</b>	<b>Proposed 2029/30</b>
<b>Proposed Increase %</b>		<b>2%</b>	<b>2%</b>	<b>2%</b>	<b>2%</b>	<b>2%</b>
<b>Residential</b>		<b>Fixed Billing Rates (\$/month)</b>				
Single Family, Mobile Home, Multi-Family	\$/month \$107.95	\$110.11	\$112.31	\$114.56	\$116.85	\$119.19
Six Mile Village - Residential	\$/gallon \$0.0144	\$110.11	\$112.31	\$114.56	\$116.85	\$119.19
<b>Non - Residential <sup>1,2</sup></b>		<b>Volumetric Billing Rates (\$/gallon)</b>				
Commercial and Industrial	\$/month, \$136.30	\$0.0212	\$0.0216	\$0.0222	\$0.0224	\$0.0228
Other Institutional	\$/gallon, \$0.0208	\$0.0212	\$0.0216	\$0.0222	\$0.0224	\$0.0228
Six Mile Village - Non-Residential	\$/gallon, \$0.0144	\$0.0212	\$0.0216	\$0.0222	\$0.0224	\$0.0228
<sup>1</sup> Minimum Wastewater Charges (\$/month)		\$139.03	\$141.81	\$144.65	\$147.54	\$150.49
2 Units Included in Minimum (hcf)		9.5	9.5	9.5	9.5	9.5

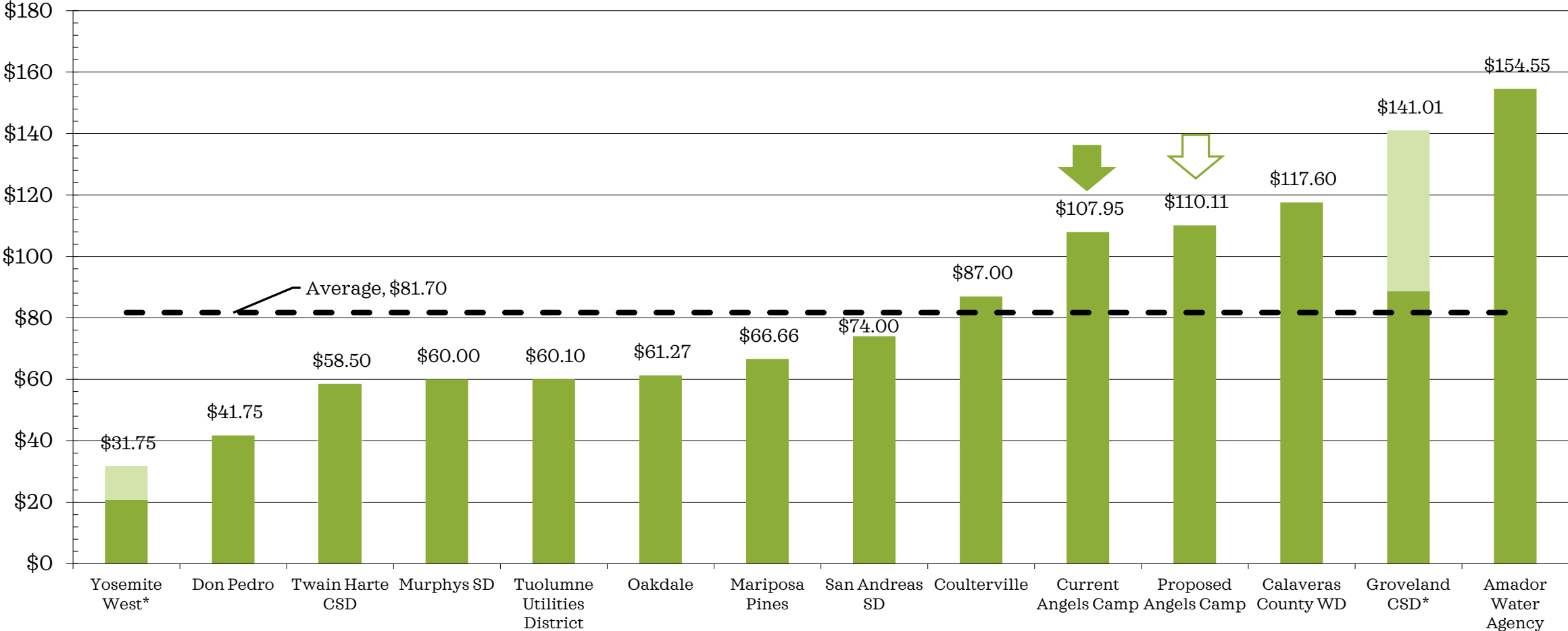
# Single Family Home Monthly Bill Impacts

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## Residential User Class

	<b>Current Rate</b>	<b>Proposed 7/1/2025</b>	<b>Proposed 7/1/2026</b>	<b>Proposed 7/1/2027</b>	<b>Proposed 7/1/2028</b>	<b>Proposed 7/1/2029</b>
Fixed Sewer Service Charges	\$107.95	\$110.11	\$112.31	\$114.56	\$116.85	\$119.19
<b>Total Monthly</b>	<b>\$107.95</b>	<b>\$110.11</b>	<b>\$112.31</b>	<b>\$114.56</b>	<b>\$116.85</b>	<b>\$119.19</b>

# Single Family Residential Monthly Wastewater Rate Survey (January 2024)



\* Assumes 6 hcf winter use.

# Customer Assistance Program (CAP)

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The City of Angel's Customer Assistance Program allows low-income water and sewer customers to apply for bill pay assistance.

- Established by Resolution 22-68
- Program launched October 2022
- Funded using non-rate revenues in compliance with Prop 218
- Limited funds available, on a first come, first served basis
- Applications accepted between April 1 and May 31 of each year



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# Questions & Comments

