

**RAFTELIS**

## Placer County Water Agency

Water Cost of Service and Rate Study

Board Meeting  
March 3, 2022

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## Raftelis Project Team

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## Agenda

- Financial Plan Recommendation
- Cost of Service Analysis Results
- Rates and Impacts
- Questions & Future Schedule

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## Meeting Goals

- Finalize rate study
  - › Financial plan for the next five years of revenue needs
  - › Updated cost of service rates
- Authorize staff to begin the Proposition 218 procedures and notice customers
- Set Public Hearing for the Proposition 218 process

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## Steps in Conducting a Rate Study

### STEP 1

#### Rate Setting Framework

- Financial goals and policies
- Pricing objectives

### STEP 2

#### Financial Plan

- Evaluation of CIP options
- Cash flow analysis for financial sufficiency

### STEP 3

#### Cost of Service & Rate Design

- Cost of service allocations
- Rate calculations
- Customer impact analyses

### STEP 4

#### Final Rate Adoption

- Report
- Prop 218 Notice
- Public Hearing

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## Financial Plan vs. Cost of Service

### Financial Plan

- Determines the TOTAL amount of revenue required from water rates each year (i.e., how big does the pie need to be?)

### Cost of Service

- Determines how the overall rate revenue requirement is allocated to various customer classes (i.e., how do we slice the pie?)

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# Financial Plan



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## Summary of 25 year Renewal and Replacement Analysis

2021

**Brown AND Caldwell** 



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## Water System Asset Categories

1. Treatment
2. Treated water transmission and distribution pipelines
3. Untreated water transmission and distribution pipelines
4. Treated water storage
5. Untreated water storage
6. Groundwater wells
7. Planning
8. Miscellaneous
  - a. Site Improvements
  - b. SCADA
  - c. Security
9. Pump stations

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## Useful Life Assumptions

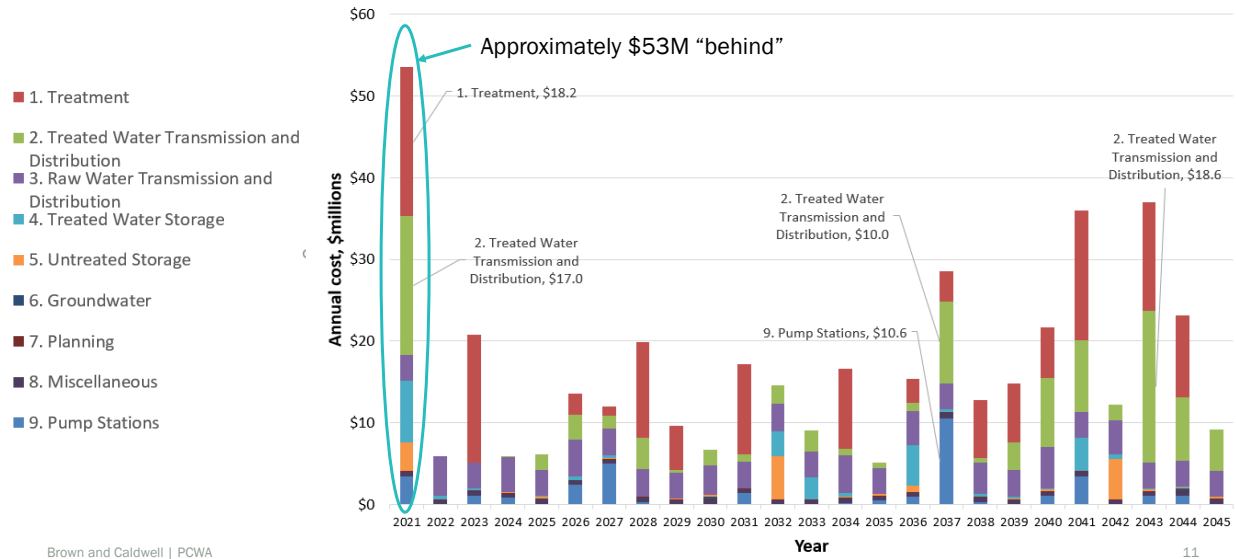
Asset type	Useful life assumption, years
Pipelines	80
Structures	65
Mechanical components	20
Electrical components	20
Instrumentation and Controls	10
Site improvements	50
Storage Tanks	
Redwood	50
Steel bolted tanks	30
Welded steel	70 (recoating 15-20)
Prestressed concrete	100
Groundwater well	50

### Data Sources:

- The Clean Water and Drinking Water Infrastructure GAP Analysis (EPA, 2002)
- AWWA M42 Steel Water Storage Tanks
- Industry standards

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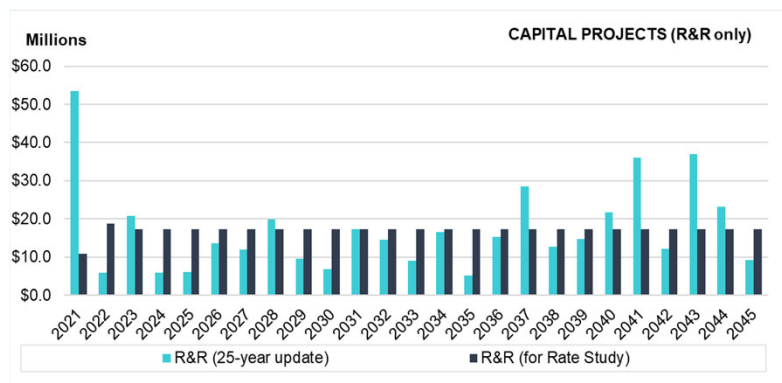
## Total 25-year needs assessment \$427M (\$17.1M/Yr. Average)



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## Capital Improvement Plan (No Inflation)

- › R&R (25-year update):
  - from Brown and Caldwell's Analysis of 25-year Renewal and Replacement Program – Update 2020
- › R&R (for Rate Study):
  - 2021 & 2022: Based on budget
  - 2023 onwards: Based on 25-Year R&R Plan (equal funding of \$17.1M each year before accounting for inflation)



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## Financial Policies & Assumptions

- Financial Policies
  - › Reserve targets
    - Operating Reserve: 100-150 days of operating expenses
    - Capital Reserve: Next 2-5 years of R&R capital project costs
    - Liabilities Reserve: 50-100% of accumulated employee leave balance
    - Working Capital Reserve: 100 days of operating expenses
  - › Required debt coverage: 1.20
- Other financial assumptions:
  - › All R&R is assumed to be funded by rates and reserves (no new debt financing)
  - › All financial plan projections exclude revenues and expenses associated with Water Connection Charges (WCCs). However, the debt coverage ratio calculation is with and without WCC.

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## Inflationary Assumptions

- Inflationary assumptions used to project non-rate revenues, operating expenses, and R&R beyond 2022

Annual Inflation	2021	2022	2023	2024	2025 and Beyond
<b>Revenues</b>					
Non-rate revenues	<i>Budget</i>	<i>Budget</i>	0%	0%	0%
<b>Operating Expenses</b>					
General	<i>Budget</i>	<i>Budget</i>	5.0%	5.0%	3.0%
Salaries & Benefits	<i>Budget</i>	<i>Budget</i>	6.0%	6.0%	6.0%
Utilities	<i>Budget</i>	<i>Budget</i>	7.0%	7.0%	5.0%
Chemicals	<i>Budget</i>	<i>Budget</i>	7.0%	7.0%	5.0%
Purchased Water	<i>Budget</i>	<i>Budget</i>	6.0%	6.0%	4.0%
<b>Capital Expenses</b>					
R&R Capital Projects	5.0%	5.0%	5.0%	5.0%	3.5%

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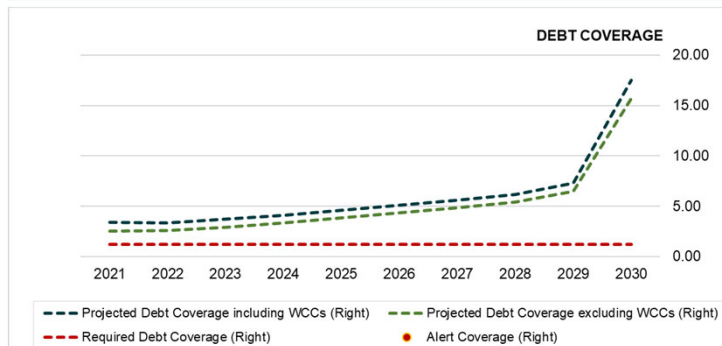
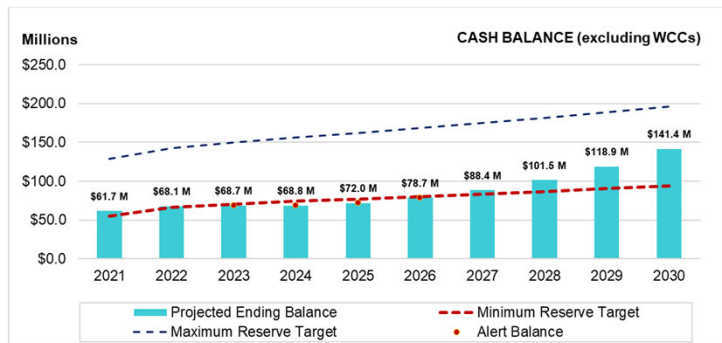
## Financial Plan Scenarios

- Initially, the Finance Committee reviewed five scenarios at their November 23, 2021 and a slightly revised scenario (Proposed Scenario) at their January 11, 2022 meeting.
- This Proposed Scenario was presented to the Board of Directors on January 20, 2022.
- At the January 20, 2022 Board meeting staff was directed to follow-up with the Finance Committee and subsequently at the Board meeting on February 17, 2022 with 5 additional scenarios of alternative inflation assumptions and new money borrowings including a \$25M borrowing for renewal and replacement capital projects.
- The result of reviewing the additional scenarios re-affirmed the Proposed Scenario.

## Proposed Scenario

(Front-loaded revenue adjustments; Medium account & demand growth)

Year	Revenue Adjustment
2023	8.0%
2024	8.0%
2025	7.0%
2026	7.0%
2027	6.0%
2028	6.0%
2029	6.0%
2030	6.0%



## Additional Financial Plan Scenarios Reviewed (Finance Committee Meeting January 27, 2022 and Board Meeting February 17, 2022)

- **Proposed** Scenario (presented at Jan. 20 Board Meeting)
- **Alternative 1:** Reduced inflation assumptions to 2% - Federal Reserve Target
  - › Revenue adjustments reduced to achieve same reserve balance as proposed
- **Alternative 2:** No reduction to inflation
  - › \$25 million debt issue in 2023 to fund R&R (4% interest/ 30-year term)
  - › Revenue adjustments reduced to achieve same reserve balance as proposed
- **Alternative 3:** No reduction to inflation
  - › \$10 million state loan in 2025 to fund R&R (1.5% interest/ 20-year term)
  - › Revenue adjustments reduced to achieve same reserve balance as proposed
- **Alternative 4:** No reduction to inflation
  - › \$25 million debt issue in 2023 to fund R&R (4% interest/ 30-year term)
  - › \$10 million state loan in 2025 to fund R&R/Colfax WTP (1.5% interest/ 20-year term)
  - › \$50 million debt issue in 2026 to fund WCC/Ophir WTP (4% interest/ 30-year term)
  - › Revenue adjustments reduced to achieve same reserve balance as proposed
- **Alternative 5:** Moderate modified inflation assumptions
  - › Revenue adjustments reduced to achieve same reserve balance as proposed

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## Modified Inflationary Assumptions

- Current inflationary assumptions (presented at Jan. 20 Board Meeting):

Annual Inflation	2021	2022	2023	2024	2025 and Beyond
General	<i>Budget</i>	<i>Budget</i>	5.0%	5.0%	3.0%
Salaries & Benefits	<i>Budget</i>	<i>Budget</i>	6.0%	6.0%	6.0%
Utilities	<i>Budget</i>	<i>Budget</i>	7.0%	7.0%	5.0%
Chemicals	<i>Budget</i>	<i>Budget</i>	7.0%	7.0%	5.0%
Purchased Water	<i>Budget</i>	<i>Budget</i>	6.0%	6.0%	4.0%
R&R Capital Projects	5.0%	5.0%	5.0%	5.0%	3.5%

- Moderate modified inflationary assumptions for **Alternative 5 only**:

Annual Inflation	2021	2022	2023	2024	2025 and Beyond
General	<i>Budget</i>	<i>Budget</i>	4.0%	4.0%	2.0%
Salaries & Benefits	<i>Budget</i>	<i>Budget</i>	6.0%	5.0%	3.0%
Utilities	<i>Budget</i>	<i>Budget</i>	6.0%	4.0%	4.0%
Chemicals	<i>Budget</i>	<i>Budget</i>	5.0%	4.0%	3.0%
Purchased Water	<i>Budget</i>	<i>Budget</i>	4.5%	4.0%	2.5%
R&R Capital Projects	5.0%	5.0%	5.0%	4.0%	3.5%

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### Summary of Revenue Adjustments for the Alternatives

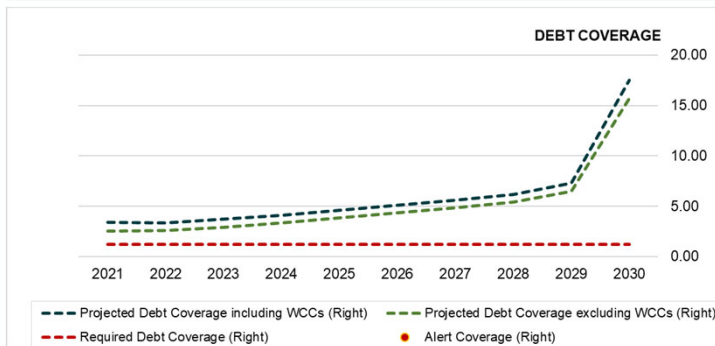
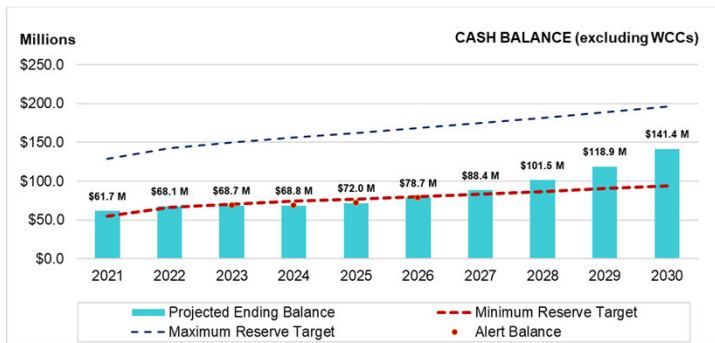
Year	Proposed Scenario	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5
		2% inflation	\$25M Debt	\$10M Debt	\$85M Debt	Mod Inflation
			Revenue	Adjustments		
2023	8.00%	5.00%	7.50%	8.00%	7.50%	7.50%
2024	8.00%	5.00%	7.50%	8.00%	7.50%	7.50%
2025	7.00%	4.50%	6.50%	6.50%	6.50%	6.00%
2026	7.00%	4.50%	6.50%	6.50%	6.00%	6.00%
2027	6.00%	3.00%	6.50%	6.00%	6.00%	5.00%
2028	6.00%	3.00%	5.50%	6.00%	5.00%	4.00%
2029	6.00%	3.00%	5.00%	5.00%	5.00%	4.00%
2030	6.00%	3.00%	5.00%	5.00%	4.00%	3.00%

At the conclusion of the February 17, 2022 Board of Directors meeting, Staff was directed to bring back the Proposed Scenario (January 20<sup>th</sup> Financial Plan Scenario) with supporting detail, the Cost of Service and Rate Study and rate adjustments to commence the Proposition 218 process.

## Proposed Scenario

(Front-loaded revenue adjustments; Medium account & demand growth)

Year	Revenue Adjustment
2023	8.0%
2024	8.0%
2025	7.0%
2026	7.0%
2027	6.0%
2028	6.0%
2029	6.0%
2030	6.0%



# Cost of Service Results



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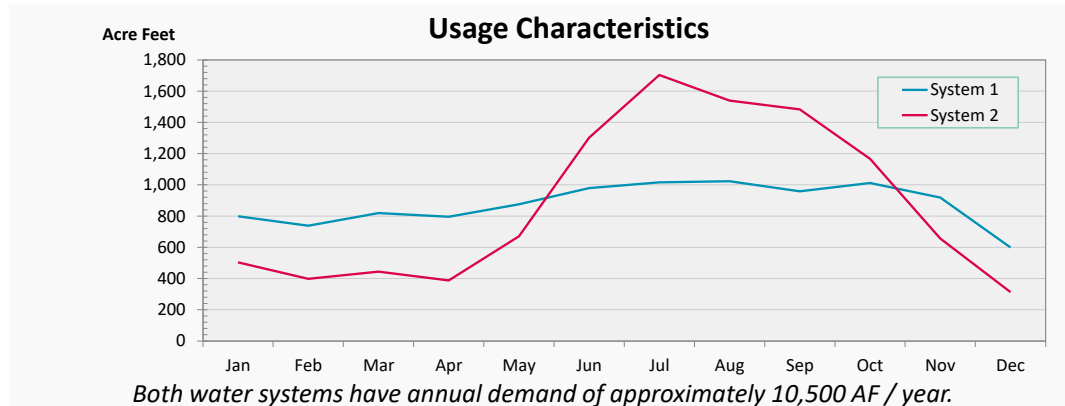
## Cost of Service Definition

- The attempt to recover costs from users in proportion to their use of the system, recognizing the impact of each class on system facilities and operations
  - › A cost-based process of converting revenue requirements into unit costs
  - › Allocation of cost of service to customer classes is based on customer usage characteristics
- Cost of service is the fundamental benchmark used to establish utility rates in the United States

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## Water System Costs and Peaking Demand



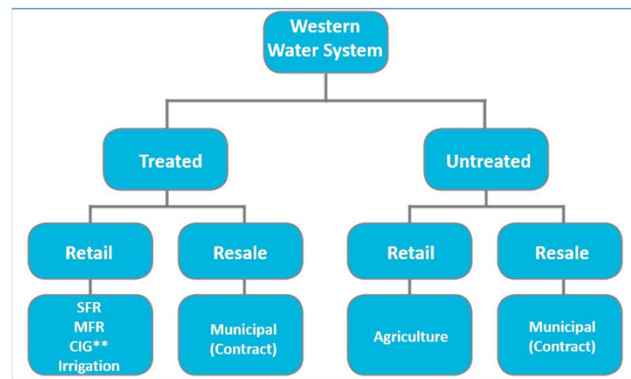
Which water system requires larger facilities/infrastructure?

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## 2017 Cost of Service Methodology

- Water Division costs allocated between four service classes:
  - › Treated Retail
  - › Treated Resale
  - › Untreated Retail
  - › Untreated Resale
- Each service class has one or more customer and rate classes



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## Cost of Service Methodology

Cost Component	Treated – Retail	Treated - Resale	Untreated - Retail	Untreated - Resale
Water Supply	Annual Demand	Annual Demand	Annual Demand	Annual Demand
Canal	Max Period (Canal)	Max Period (Canal)	Max Period (Canal)	Max Period (Canal)
General	Indirect	Indirect	Indirect	Indirect
Treatment	Max Day	Max Day		
Distribution	Max Hour	Max Hour		
Treated Supply	Annual Demand	Annual Demand		
Reservoir	Max Period (Canal)	Max Period (Canal)	Max Period (Canal)	Max Period (Canal)
Treated Storage	Max Day	Max Day		
Pumping	Max Period (Pumping)	Max Period (Pumping)	Max Period (Pumping)	Max Period (Pumping)
Meter	Metered Connections	Metered Connections	Metered Connections	Metered Connections
Customer	Number of accounts	Number of accounts	Number of accounts	Number of accounts
Conservation	Annual Demand	Annual Demand		

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## Updates and Changes from prior Cost of Service Analysis

- Updated operating and capital costs
- Refinements to cost allocations
- Updated reliability factor to 2.2x for Treated Water
- 2019 is used as the “test year” to allocate costs as the year was normal hydrology and pre-Covid

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## Service Level Cost of Service Analysis: No Revenue Adjustments

Revenue Comparison	Treated		Untreated		Total
	Retail	Treated Resale	Retail	Resale	
Proposed Cost of Service (2019)	\$39,464,582	\$9,026,683	\$4,318,347	\$265,316	<b>\$53,074,927</b>
Estimated Rate Revenues (2019)	\$39,754,921	\$8,848,220	\$4,184,187	\$287,598	<b>\$53,074,927</b>
Difference (\$)	(\$290,339)	\$178,462	\$134,159	(\$22,283)	<b>(\$0)</b>
Difference (%)	-0.7%	2.0%	3.2%	-7.7%	<b>0.0%</b>
Annual Demand (Delivered)	23,807 AF	9,977 AF	54,571 AF	2,294 AF	<b>90,649 AF</b>
Proposed \$/AF Allocation (2019)	\$1,658	\$905	\$79	\$116	\$585
Current \$/AF Allocation (2019)	\$1,670	\$887	\$77	\$125	\$90,649

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# Service Level Rates and Impacts



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## Proposed Rate Structure Changes

- Treated Retail:
  - › Multi-unit Fixed Charges by meter capacity, not dwelling units
    - Harmonizes with the R&R charge
  - › Meter component added to the private fire protection Fixed Charges
    - Accounts for reading, servicing, and maintaining the bypass meter
- Treated Resale:
  - › No changes
- Untreated Retail:
  - › No changes
- Untreated Resale:
  - › No changes

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## Proposed Rates: Summarized Impacts

- Treated Retail:
  - › Maintains balance between fixed vs. variable revenues
  - › Minimizes impacts to low water use residential customers
- Treated Resale:
  - › Maintains balance between fixed vs. variable revenues
  - › Overall rates increase by about 10% in 2023
- Untreated Retail:
  - › Miners' Inch customers: higher increase in fixed charges than variable rates
  - › Metered customers: slightly higher increase in variable rates than fixed charges
- Untreated Resale:
  - › Miners' Inch customers: increase in fixed charges & winter variable rates; slight decrease in summer variable rates
  - › Metered customers: increase in fixed charges; slight decrease in variable rates

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# Treated Retail



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## Proposed Treated Retail Water Rates: Single Family Residential Bill Impacts

Charge	Adopted 2022	Proposed 2023	Monthly Impact
Fixed Charge (5/8" Meter)	\$20.14	\$22.87	\$2.73
Renewal & Replacement Charge (5/8" Meter)	\$19.93	\$20.41	\$0.48
Commodity Rate (First 900 CF)*	\$1.64	\$1.82	\$0.18
Commodity Rate (Next 1,900 CF)*	\$1.86	\$2.19	\$0.33
Commodity Rate (Over 2,800 CF)*	\$2.00	\$2.38	\$0.38

\*Commodity Rates are per 100 CF

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## Proposed Treated Retail Water Rates: Single Family Residential Bill Impacts

- Monthly bill impacts: Median Winter (9 CCF per month)

Residential Customer (5/8" Meter Size using 9 CCF/month)	Adopted 2022	Proposed 2023	Monthly Impact	Annual Impact
Fixed Charge	\$20.14	\$22.87	\$2.73	\$32.76
R&R Charge	\$19.93	\$20.41	\$0.48	\$5.76
Commodity Rates	\$14.76	\$16.38	\$1.62	\$19.44
<b>Total Monthly Bill</b>	<b>\$54.83</b>	<b>\$59.66</b>	<b>\$4.83</b>	<b>\$57.96</b>

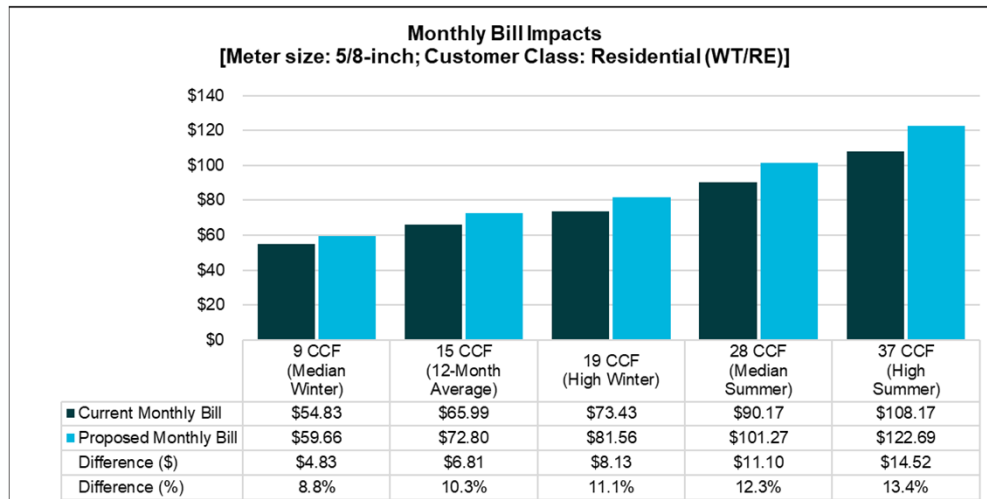
- Monthly bill impacts: Median Summer (28 CCF per month)

Residential Customer (5/8" Meter Size using 28 CCF/month)	Adopted 2022	Proposed 2023	Monthly Impact	Annual Impact
Fixed Charge	\$20.14	\$22.87	\$2.73	\$32.76
R&R Charge	\$19.93	\$20.41	\$0.48	\$5.76
Commodity Rates	\$50.10	\$57.99	\$7.89	\$94.68
<b>Total Monthly Bill</b>	<b>\$90.17</b>	<b>\$101.27</b>	<b>\$11.10</b>	<b>\$133.20</b>

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## Proposed Treated Retail Water Rates: Single Family Residential Bill Impacts



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## Proposed Treated Retail Water Rates: Fixed Charges

- Proposed rates include 8% revenue adjustment in 2023

Treated Retail Water Rates	# of Meters/ Units of Capacity	Adopted 2022	Proposed 2023	\$ Difference	% Difference
<b>Fixed Charge (Monthly)</b>					
5/8-inch	34,242	\$20.14	\$22.87	\$2.73	13.6%
3/4-inch	2,312	\$28.25	\$32.65	\$4.40	15.6%
1-inch	1,216	\$44.50	\$52.20	\$7.70	17.3%
1-1/2-inch	619	\$85.06	\$101.08	\$16.02	18.8%
2-inch	367	\$133.75	\$159.74	\$25.99	19.4%
3-inch	117	\$287.95	\$345.49	\$57.54	20.0%
4-inch	19	\$490.82	\$589.90	\$99.08	20.2%
6-inch	8	\$1,099.47	\$1,323.12	\$223.65	20.3%
8-inch	2	\$1,302.34	\$1,567.53	\$265.19	20.4%
Multiple Dwelling Unit Service (per Dwelling Unit Charge)	N/A	\$16.23	N/A		
Multiple Dwelling Unit Service (per Meter Component Charge)	N/A	\$3.91	N/A		
Industrial Service (per Unit of Capacity)	18,744	\$19.83	\$27.90	\$8.07	40.7%

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## Proposed Treated Retail Water Rates: R&R Charges

- Proposed rates include 8% revenue adjustment in 2023

Treated Retail Water Rates	# of Meters/ Units of Capacity	Adopted 2022	Proposed 2023	\$ Difference	% Difference
<b>Renewal and Replacement Charge (Monthly)</b>					
5/8-inch	34,242	\$19.93	\$20.41	\$0.48	2.4%
3/4-inch	2,312	\$29.91	\$30.61	\$0.70	2.3%
1-inch	1,216	\$49.85	\$51.01	\$1.16	2.3%
1-1/2-inch	619	\$99.70	\$102.01	\$2.31	2.3%
2-inch	367	\$159.52	\$163.22	\$3.70	2.3%
3-inch	117	\$348.95	\$357.04	\$8.09	2.3%
4-inch	19	\$598.18	\$612.06	\$13.88	2.3%
6-inch	8	\$1,345.92	\$1,377.13	\$31.21	2.3%
8-inch	2	\$1,595.17	\$1,632.16	\$36.99	2.3%
Industrial Service (per Unit of Capacity)	18,744	\$16.00	\$11.45	(\$4.55)	-28.4%

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## Proposed Treated Retail Water Rates: Commodity Rates

- Proposed rates include 8% revenue adjustment in 2023

Treated Retail Water Rates	Adopted 2022	Proposed 2023	\$ Difference	% Difference
<b>Commodity Rates (per CCF)</b>				
<u>Metered Residential Service</u>				
Tier 1 (First 900 CF)	\$1.64	\$1.82	\$0.18	11.0%
Tier 2 (Next 1,900 CF)	\$1.86	\$2.19	\$0.33	17.5%
Tier 3 (Over 2,800 CF)	\$2.00	\$2.38	\$0.38	19.0%
<u>Metered Non-Residential Service</u>				
Commercial and Governmental	\$1.76	\$1.94	\$0.18	10.2%
Landscape	\$1.86	\$2.23	\$0.37	19.9%
Industrial	\$0.43	\$0.47	\$0.04	9.3%
Construction	\$3.52	\$2.69	(\$0.83)	-23.6%
<u>Customers Involuntarily Deprived of Untreated Water Service</u>				
Tier 1 (First 900 CF)	\$1.64	\$1.82	\$0.18	11.0%
Tier 2 (Next 1,900 CF)	\$1.86	\$2.19	\$0.33	17.7%
Tier 3 (Over 2,800 CF)	\$0.21	\$0.23	\$0.02	9.5%

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## Proposed Treated Retail Water Rates: Private Fire Protection Service

- “Meter” charge component added to all Fire Service Charges (excluding Residential Fire & Commercial Fire)

Private Fire Protection Service Rates	# of Connections	Adopted 2022	Proposed 2023	\$ Difference	% Difference
<b>Fixed Charge (Monthly)</b>					
1-inch (Residential Fire & Commercial Fire)	4,636	\$0.32	\$0.14	(\$0.18)	-56.3%
1-inch	0	\$0.32	\$2.95	\$2.63	821.9%
2-inch	43	\$1.99	\$3.67	\$1.68	84.4%
3-inch	0	\$5.76	\$5.30	(\$0.46)	-8.0%
4-inch	232	\$12.28	\$8.11	(\$4.17)	-34.0%
6-inch	438	\$35.66	\$18.20	(\$17.46)	-49.0%
8-inch	260	\$75.99	\$35.61	(\$40.38)	-53.1%
10-inch	87	\$136.64	\$61.79	(\$74.85)	-54.8%
12-inch	22	\$220.71	\$98.08	(\$122.63)	-55.6%
14-inch	0	\$331.06	\$145.71	(\$185.35)	-56.0%
16-inch	0	\$470.35	\$205.84	(\$264.51)	-56.2%
<b>Commodity Rates (per CCF)</b>					
Uniform		\$3.52	\$1.49	(\$2.03)	-57.7%

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# Treated Resale



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## Proposed Treated Resale Water Rates: Customer Bill Impacts

Monthly Bill Impacts	Current 2022	Proposed 2023	\$ Difference	% Difference
City of Lincoln (WT/R2)	\$712,048	\$781,293	\$69,245	9.7%
Cal American Water Company (WT/R3)	\$68,978	\$75,672	\$6,693	9.7%
Other Treated Resale (WT/RS)	\$15,963	\$17,509	\$1,546	9.7%
Industrial	\$21,268	\$23,326	\$2,058	9.7%

**Notes:**

1. Monthly bills calculated based on average monthly water use in 2019
2. PCWA's only industrial customer is subject to the same rates and charges as Treated Resale customers

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## Proposed Treated Resale Water Rates

Treated Resale Water Rates	Adopted 2022	Proposed 2023	\$ Difference	% Difference
<b>Fixed Charge (Monthly)</b>				
Resale and Industrial Service (per Unit of Capacity)	\$19.83	\$27.90	\$8.07	40.7%
<b>Renewal and Replacement Charge (Monthly)</b>				
Resale and Industrial Service (per Unit of Capacity)	\$16.00	\$11.45	(\$4.55)	-28.4%
<b>Commodity Rates (per CCF)</b>				
Industrial and Resale	\$0.43	\$0.47	\$0.04	9.3%

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## Untreated Retail

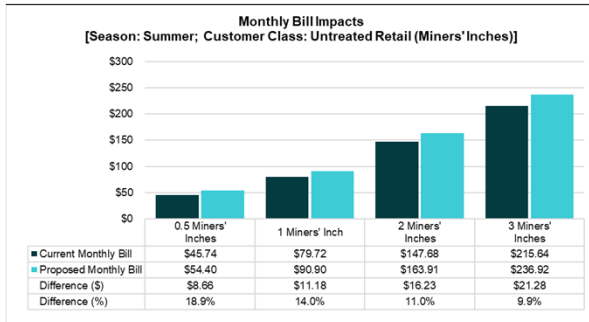


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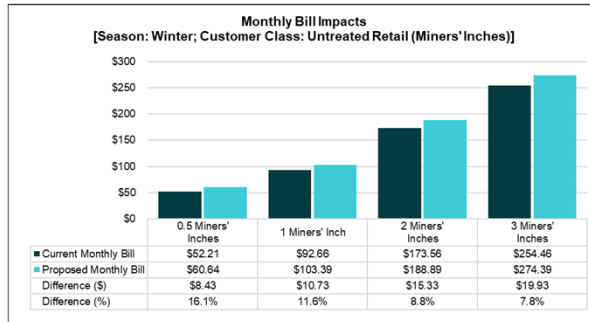
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## Proposed Untreated Retail Water Rates: Miners' Inch Customer Bill Impacts

### Summer



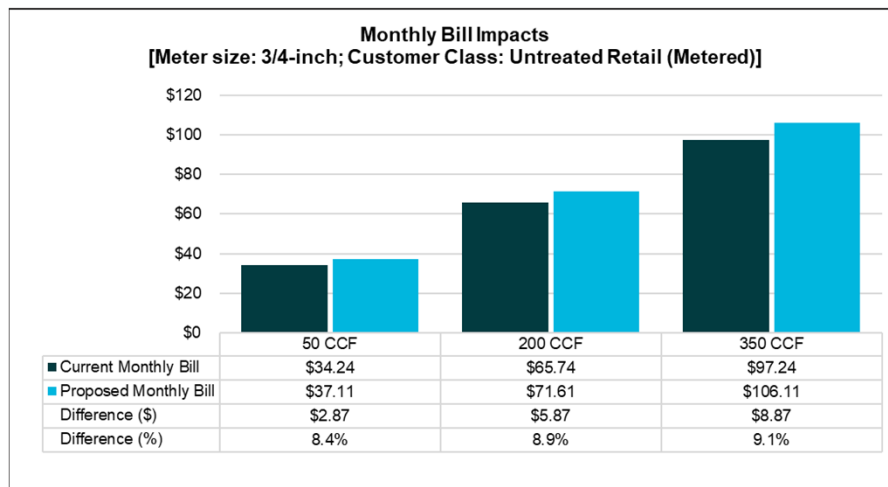
### Winter



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## Proposed Untreated Retail Water Rates: Metered Customer Bill Impacts



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## Proposed Untreated Retail Water Rates: Miners' Inch Customers

Untreated Retail Water Rates - Unmetered	# of Connections	Adopted 2022	Proposed 2023	\$ Difference	% Difference
<b>Fixed Charge (Monthly)</b>					
Per Account	4,009	\$5.88	\$10.58	\$4.70	79.9%
<b>Renewal and Replacement Charge (Monthly)</b>					
Per Account	4,009	\$5.88	\$7.31	\$1.43	24.3%
<b>Commodity Rates (Monthly)</b>					
Summer (per Miners' Inch)		\$67.96	\$73.01	\$5.05	7.4%
Winter (per Miners' Inch)		\$80.90	\$85.50	\$4.60	5.7%

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## Proposed Untreated Retail Water Rates: Metered Customers

Untreated Retail Water Rates - Metered	# of Meters	Adopted 2022	Proposed 2023	\$ Difference	% Difference
<b>Fixed Charge (Monthly)</b>					
5/8-inch	16	\$10.27	\$13.32	\$3.05	29.7%
3/4-inch	123	\$13.65	\$18.30	\$4.65	34.1%
1-inch	88	\$20.43	\$28.26	\$7.83	38.3%
1-1/2-inch	11	\$37.34	\$53.17	\$15.83	42.4%
2-inch	10	\$57.64	\$83.05	\$25.41	44.1%
3-inch	2	\$121.92	\$177.69	\$55.77	45.7%
4-inch	3	\$206.50	\$302.21	\$95.71	46.3%
6-inch	0	\$460.24	\$675.77	\$215.53	46.8%
8-inch	0	\$544.83	\$800.29	\$255.46	46.9%
10-inch	0	\$1,289.12	\$1,896.07	\$606.95	47.1%
<b>Renewal and Replacement Charge (Monthly)</b>					
All Meter Sizes	253	\$10.09	\$7.31	(\$2.78)	-27.6%
<b>Commodity Rates (per CCF)</b>					
Uniform		\$0.21	\$0.23	\$0.02	9.5%

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# Untreated Resale



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## Proposed Untreated Resale Water Rates: Customer Bill Impacts

Monthly Bill Impacts	Current 2022	Proposed 2023	\$ Difference	% Difference
<b>Monthly Bills (Metered Customers)</b>				
Dutch Flat Mutual Water Company	\$641.69	\$684.56	\$42.87	6.7%
Christian Valley Park CSD	\$4,761.78	\$4,688.43	(\$73.35)	-1.5%
Meadow Vista County Water District	\$13,298.35	\$12,701.46	(\$596.88)	-4.5%
<b>Monthly Summer Bills (Miners' Inch Customers)</b>				
Alpine Meadows Water Association	\$1,881.78	\$1,795.49	(\$86.29)	-4.6%
Heather Glen CSD	\$575.72	\$551.17	(\$24.55)	-4.3%
Weimar Water Company	\$6,173.12	\$5,883.97	(\$289.15)	-4.7%
<b>Monthly Winter Bills (Miners' Inch Customers)</b>				
Alpine Meadows Water Association	\$1,777.90	\$1,800.21	\$22.31	1.3%
Heather Glen CSD	\$456.46	\$463.47	\$7.01	1.5%
Weimar Water Company	\$4,420.78	\$4,473.69	\$52.91	1.2%

Note: Monthly bills for metered customers calculated based on average monthly water use in 2019

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## Proposed Untreated Resale Water Rates: Miners' Inch Customers

Untreated Resale Water Rates - Unmetered	# of Connections	Adopted 2022	Proposed 2023	\$ Difference	% Difference
<b>Fixed Charge (Monthly)</b>					
Per Account	3	\$7.99	\$10.58	\$2.59	32.4%
<b>Renewal and Replacement Charge (Monthly)</b>					
Per Account		\$7.99	\$7.31	(\$0.68)	-8.5%
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<b>Commodity Rates (Monthly)</b>					
Summer (per Miners' Inch)		\$186.58	\$177.76	(\$8.82)	-4.7%
Winter (per Miners' Inch)		\$220.24	\$222.79	\$2.55	1.2%

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## Proposed Untreated Resale Water Rates: Metered Customers

Untreated Resale Water Rates - Metered	# of Connections	Adopted 2022	Proposed 2023	\$ Difference	% Difference
<b>Fixed Charge (Monthly)</b>					
5/8-inch	0	\$10.27	\$13.32	\$3.05	29.7%
3/4-inch	0	\$13.65	\$18.30	\$4.65	34.1%
1-inch	5	\$20.43	\$28.26	\$7.83	38.3%
1-1/2-inch	0	\$37.34	\$53.17	\$15.83	42.4%
2-inch	3	\$57.64	\$83.05	\$25.41	44.1%
3-inch	0	\$121.92	\$177.69	\$55.77	45.7%
4-inch	0	\$206.50	\$302.21	\$95.71	46.3%
6-inch	1	\$460.24	\$675.77	\$215.53	46.8%
8-inch	1	\$544.83	\$800.29	\$255.46	46.9%
10-inch	0	\$1,289.12	\$1,896.07	\$606.95	47.1%
<b>Renewal and Replacement Charge (Monthly)</b>					
All Meter Sizes	10	\$10.09	\$7.31	(\$2.78)	-27.6%
<b>Commodity Rates (per CCF)</b>					
Uniform		\$0.30	\$0.28	(\$0.02)	-6.7%

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## Next Steps

- Today:
  - › Authorize commencement of Proposition 218 rate adjustment process to notify Zone 6 water service customers of rate adjustments
  - › Set Public Hearing for May 9, 2022 to receive input on the Proposition 218 rate adjustment process
- Next Steps:
  - › Hold Public Hearing
  - › Implement new rates effective January 1, 2023

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