

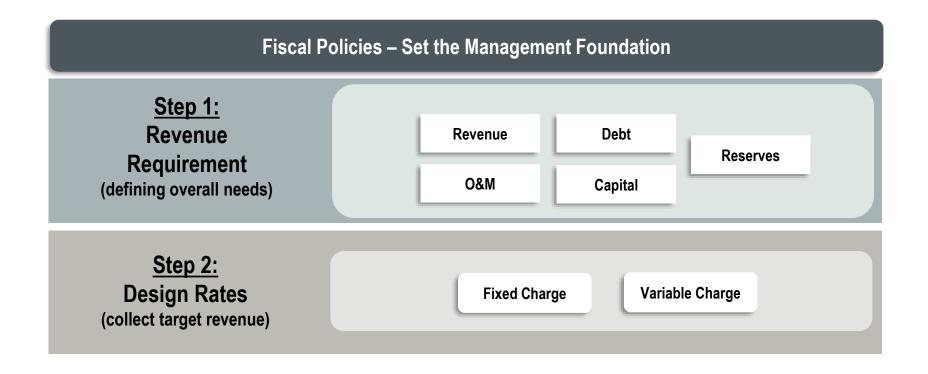




- Overview of the rate setting process
- Background & today's focus
- Key assumptions
- Financial policies
- Revenue requirement
 - » Water
 - » Sewer
- Next steps
- Questions / discussion



Overview of Rate Setting Process



Background

- Previous study completed in 2018
- Revenue requirement findings 2018 study summary

Utility	Ado	pted Annua	al Rate Strat	egy	
Othity	2019	2020	2021	2022	2023
Water	5.65%	5.65%	5.65%	5.65%	5.65%
Sewer	3.30%	3.30%	3.30%	3.30%	3.30%
Stormwater	3.00%	3.00%	3.00%	3.00%	3.00%

Utility	Average Residential Monthly Bill											
Othity		isting		2019		2020		2021		2022		2023
Water	\$	29.11	\$	30.80	\$	32.53	\$	34.39	\$	36.29	\$	38.33
Sewer		47.35		48.89		50.51		52.16		53.90		55.67
Stormwater		11.69		12.04		12.40		12.77		13.16		13.55
Total	\$	88.15	\$	91.73	\$	95.44	\$	99.32	\$	103.35	\$	107.55
Total \$ Mo. Difference			\$	3.58	\$	3.71	\$	3.88	\$	4.03	\$	4.20
Total % Difference			4	1.06%	4	1.04%	4	1.07%	4.06%		4.06%	

Notes:

- 1. Water assumes 3/4" meter & 10ccf per month consumption.
- 2. Sewer assumes 6ccf per month consumption based on winter monthly average usage.

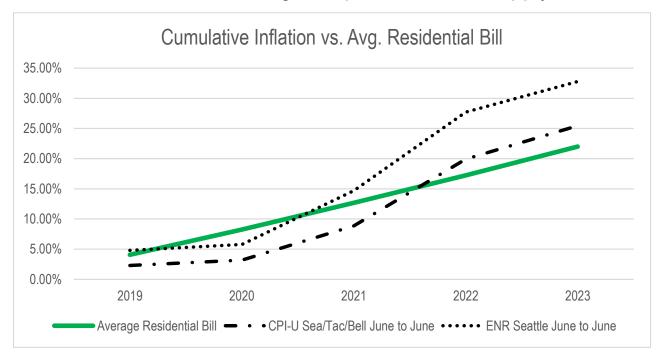
Background (continued)

- » Rate adjustments were needed to
 - Support the ongoing capital improvement program (CIP) and associated debt financing
 - Increases in operating & maintenance expenses
- Updated System Development Charges (SDCs)
 - » Eliminated class based SDCs
 - Independent study to be performed for any new industrial customers connecting to the City

» Consolidated area specific charges into "city-wide" charges

Today's Focus

- Significant changes have occurred since the completion of the last study
 - » Increased inflation due to the global pandemic and supply chain issues



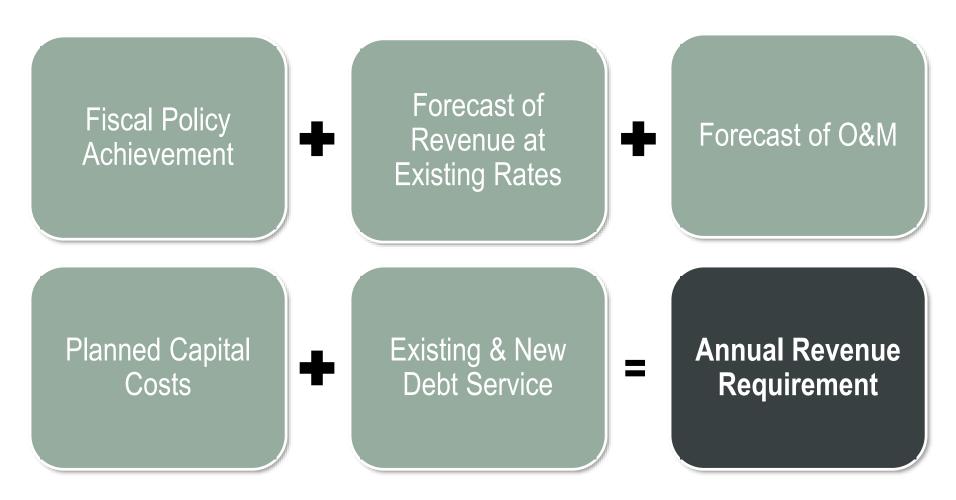
» Completion of water system plan (WSP) and general sewer plan (GSP) identified additional system improvements

Revenue Requirement Objectives

- Determine the amount of annual revenue necessary to fund all financial obligations on a <u>standalone basis</u>
 - » Operating expenses
 - » Debt service (principal & interest)
 - » Capital costs and funding approach
- Meet financial parameters and targets
 - » Target debt service coverage ratios
 - » Maintain target reserve balances
- Evaluate revenue sufficiency over a multi-year period
- Develop rate plan to balance financial needs and minimize customer impacts



Revenue Requirement Elements



Key Assumptions

- Study period: 2023 2028
 - » Projected through 2043
- Revenue based on historical data, budget and forecast assumptions
 - » 2022 billing statistics used as baseline for rate revenue forecasting
 - » 2023 and 2024 budgets used as baseline for non rate revenue
 - » Annual growth set at 1.50% per year
- O&M expenses based on 2023 and 2024 budgets and escalated with

» General cost inflation: 4.0% in 2025, 3.0% thereafter

» Construction cost inflation: 6.0% in 2024, 4.0% in 2025, 3.5% thereafter

» Labor cost inflation: 4.0% in 2025, 3.0% thereafter

Benefits cost inflation: 6.0% per year

Key Assumptions (continued)

Taxes

- » Water state excise tax: 5.029%
- » Sewer state excise tax: 3.852% on collection share of revenue (39.00%)
- B&O tax rate: 1.75% on non rate revenue, SDC revenue and sewer treatment
 & transmission revenue (61.00%)
- » City taxes: 2.0% (assessed on top of the bill)

Future debt: revenue bonds

» Term: 20-year

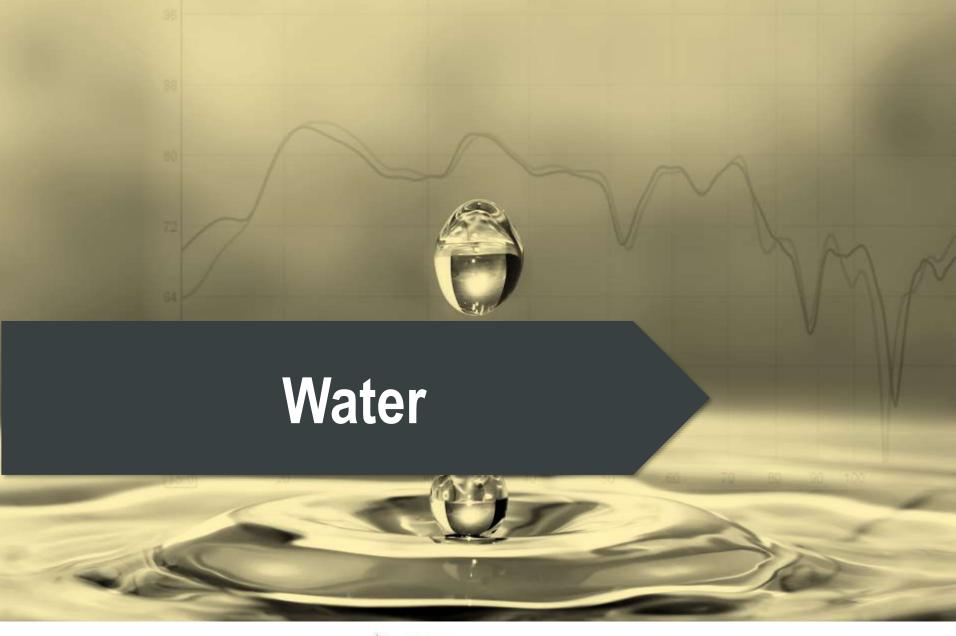
» Interest: 5.00%

» Issuance cost: 1.00%

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Financial Policies

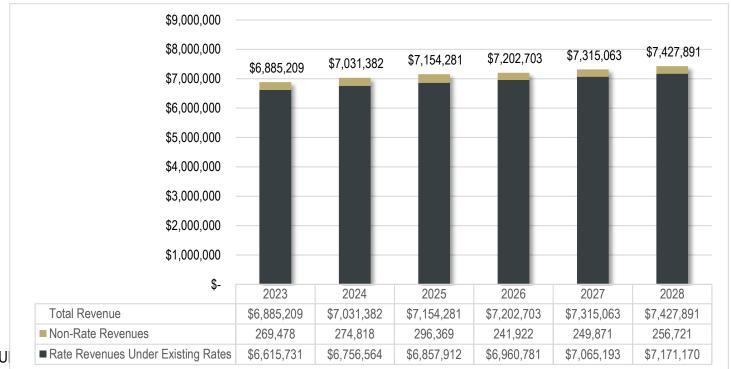
Policy	Purpose	Target		
Operating Reserve	Liquidity cushion to accommodate cyclical cash flow fluctuations	All utilities: 18% or 66 day of O&M		
Capital Contingency Reserve	To meet emergency repairs, unanticipated capital, and project cost overruns	Water: \$250k Sewer: \$750k Stormwater: \$100k		
Debt Service Coverage (DSC)	Compliance with existing loan/debt covenants and maintain credit worthiness for future debt issuance	Internal Policy: 2.50 Minimum Requirement: 1.25		
Rate Setting	A multi-year financial plan	Five-year plan 2024-2028		
Revenue Sufficiency	Set rates to meet the total annual financial obligations of each utility and be self supporting	Rates shall be set to cover O&M, debt service and fiscal policy achievement		





Key Factors: Existing Revenue

- Focus period: 2023-2028
 - » Rate revenue based on 2022 actual data plus 1.5% growth
 - » Non rate revenue consists of water hook-up fees, turn off fees, penalties, investment interest, leases, rents and charges and miscellaneous revenues
- Total existing operating revenue: \$6.9 million to \$7.4 million

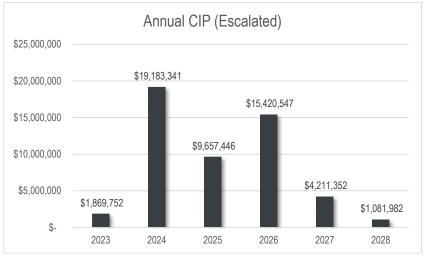


Key Factors: Operating Expenses

- Forecast based on 2023 and 2024 budgets
 - » Includes 1 additional FTE in 2026 for PFAS compliance
 - » Includes a WSP update in 2026,
 - » Additional equipment expenditures every three years starting in 2025
 - » Costs inflated between 6.0%-3.0% per year
 - Average inflation (net of taxes and additions) of 3.5% 2025-2028
- Total O&M expenses: \$4.9 million to \$6.3 million







Year	2023\$	Annual CIP (Escalated)
2023	\$ 1,869,752	\$ 1,869,752
2024	18,097,491	19,183,341
2025	8,760,382	9,657,446
2026	13,515,130	15,420,547
2027	3,566,166	4,211,352
2028	885,237	1,081,982
Total	\$ 46,694,158	\$ 51,424,418
Long Term	36,010,916	52,853,305
Total	\$ 82,705,074	\$ 104,277,722

Major projects include

- » Washougal wellfield improvements, 343 zone transmission upsizing, new booster stations and capacity improvements, 343 zone reservoir, PFAS treatment and lower prune hill pump station and reservoir
- Capital funded through existing reserves, cash financing, capital contributions, SDCs, timber harvest revenue and new debt
 - » New debt: varies by scenario

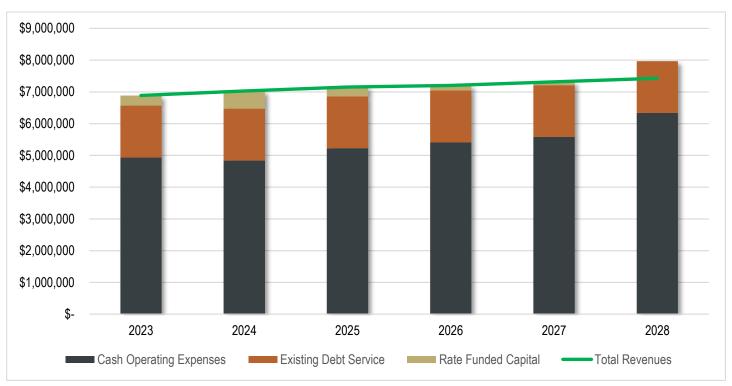
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Key Factors: Existing Debt





Revenue Requirement: Baseline



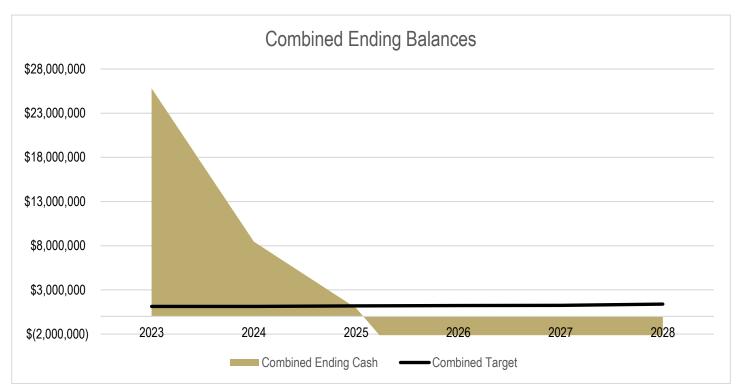
Revenues at existing rates

- » Sufficient to cover O&M and existing debt through 2027
 - Cannot cover existing debt starting 2028
- » Very limited capacity for capital funding (rate or new debt service)

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Revenue Requirement: Baseline



With revenues at current rates

» Existing reserves would be depleted by 2026

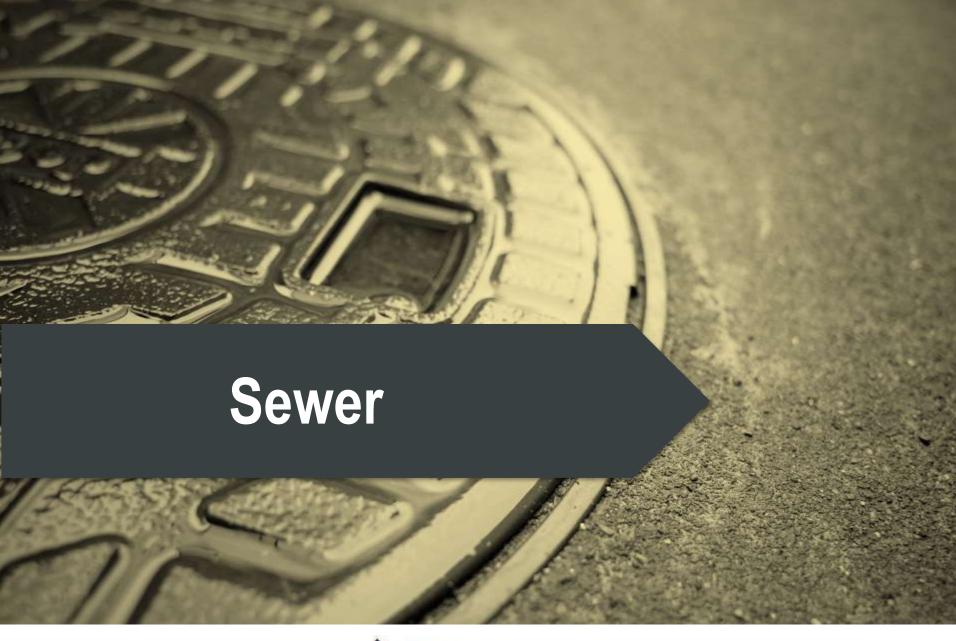
Scenarios for Consideration

Scenario for consideration

- » S1: fully fund ongoing obligations and policies
- » S2: increased debt financing and reduced coverage

Scenarios	2023 2024		202	2026			2027			2028	-
		Annual Ra	ate Increa	ises							
S1: Full Funding		7.50%	7.50)%		7.50%		3.00%		3.00%	
S2: Reduced Policies		4.75%	4.75	5%		4.75%		4.75%		4.75%	
	Avg. Re	sidential Month	nly Bill (3	/4" Mete	er 1	0ccf)					
S1: Full Funding	\$ 38.33	\$ 41.20	\$	44.30	\$	47.62	\$	49.05	\$	50.52	
S2: Reduced Policies	38.33	40.15		42.06		44.06		46.15		48.34	
	Avg. F	Residential M	onthly I	Bill Dif	fere	ence					
S1: Full Funding		\$ 2.87	\$	3.09	\$	3.32	\$	1.43	\$	1.47	
S2: Reduced Policies		1.82		1.91		2.00		2.09		2.19	
		New Debt (R	evenue E	Bonds)							
S1: Full Funding	\$ -	\$ -	\$	-	\$	13,200,000	\$	-	\$	-	\$
S2: Reduced Policies	-	-		-		15,300,000		-		-	
	Annual Coverag	e (2.50 Policy T	arget 1.	25 Min.	Cov	enant Targe	t)				
S1: Full Funding	2.86	3.64		4.53		2.51		2.70		2.59	
S2: Reduced Policies	2.86	3.48		4.17		2.05		2.28		2.22	

- S1 projects an additional \$5.5MM in revenue bonds in 2029
- S2 projects an additional \$8.1MM in revenue bonds between 2029 and 2031





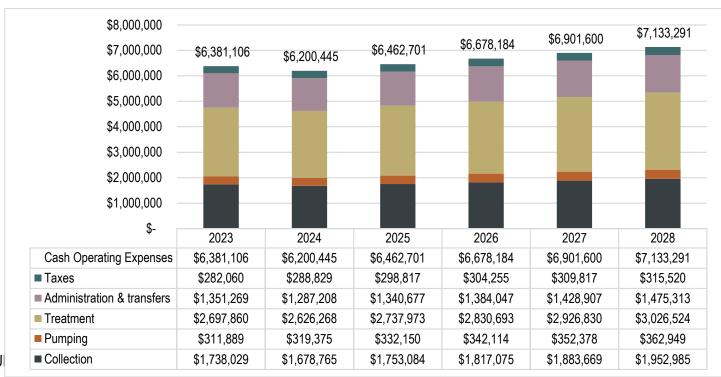
Key Factors: Existing Revenue

- Focus period: 2023-2028
 - » Rate revenue based on 2022 actual data plus 1.5% growth
 - » Non rate revenue consists of penalties, inspections, investment interest, leases, rents and charges and miscellaneous revenues
- Total existing operating revenue: \$10.3 million to \$11.2 million

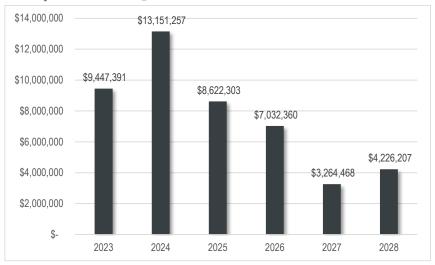


Key Factors: Operating Expenses

- Forecast based on 2023 and 2024 budgets
 - » Costs inflated between 6.0%-3.0% per year
 - Average inflation (net of taxes and additions) of 3.6% 2025-2028
- Total O&M expenses: \$6.4 million to \$7.1 million



Key Factors: Capital



Year	2023\$	Annual CIP (Escalated)
2023	\$ 9,447,391	\$ 9,447,391
2024	12,406,847	13,151,257
2025	7,821,392	8,622,303
2026	6,163,417	7,032,360
2027	2,764,346	3,264,468
2028	3,457,725	4,226,207
Total	\$ 42,061,119	\$ 45,743,986
Long Term	42,250,546	62,584,991
Total	\$ 84,311,665	\$ 108,328,977

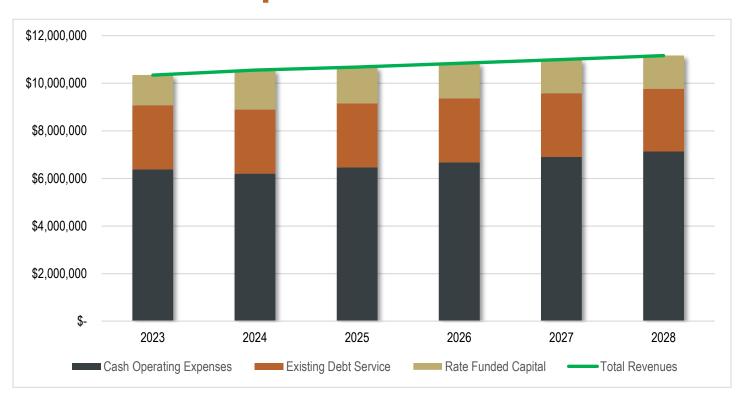
Major projects include

- » Pump station improvements
- » WWTP maintenance
- » WWTP upgrades
- Capital funded through existing reserves, cash financing, SDCs and new debt

Key Factors: Existing Debt



Revenue Requirement: Baseline



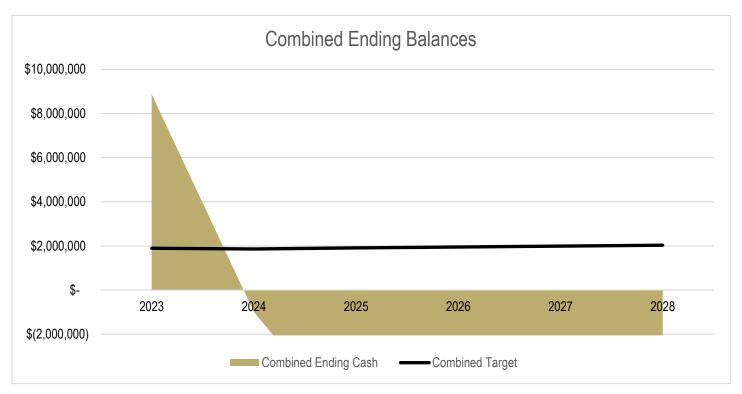
Revenues at existing rates

- » Sufficient to cover O&M and existing debt through rate setting period
- » Provides capacity for some rate funded capital

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Revenue Requirement: Baseline



With revenues at current rates

» Existing reserves would be depleted by 2024

Scenario for Consideration

Fully fund ongoing obligations and policies

Scenarios	2023	2024	2025	2026	2027	2028	Total
Annual Rate Increase		3.25%	3.25%	3.25%	3.25%	3.25%	
Avg. Res. Mo. Bill (6ccf)	\$ 55.67	\$ 57.48	\$ 59.35	\$ 61.28	\$ 63.27	\$ 65.33	
Avg. Res. Mo. Bill Difference		\$ 1.81	\$ 1.87	\$ 1.93	\$ 1.99	\$ 2.06	
New Debt (Rev. Bonds)	\$ -	\$ 9,000,000	\$ -	\$ 4,500,000	\$ -	\$ -	\$ 13,500,000
Annual Coverage After Increase	3.54	 3.58	 3.84	 3.58	 3.90	4.25	

» An additional \$14.50MM revenue bond is anticipated in 2029







Overview of Rate Design

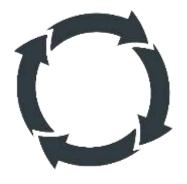
Development of fixed and variable charges assessed to customers



Aligns fixed and variable costs with fixed and variable revenue sources



Generates sufficient revenue to meet utility requirements



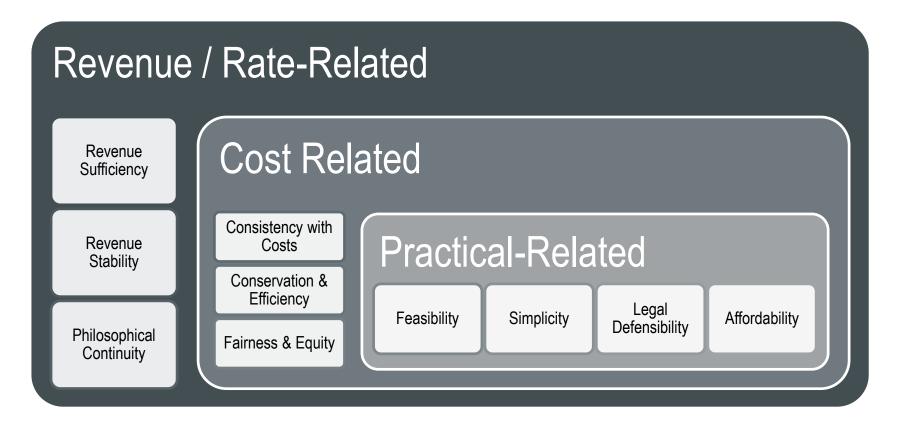
Meet goals and objectives of the utility (e.g., conservation)



Evaluate monthly rate impact for different levels of use

Rate Design Goals

No structure can completely achieve all the objectives – it's a balancing act



Source: Principles of Public Utility Rates, Bonbright, Danielson and Kamerschen

Considerations for Discussion

No structural changes

» Apply increases on an across-the-board basis – equally to fixed and variable charges

Review level of fixed versus variable charges

» Enhance revenue stability or conservation messaging

Tiered water rates for residential customers

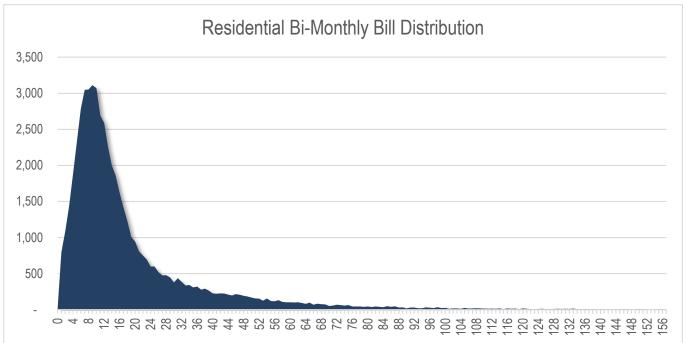
- » Encourage conservation
 - Pros
 - Discourages wasteful use of resources
 - May defer additional capacity investments in the long term
 - Addresses DOH water use efficiency rules in WSP planning process

Cons

- Initial transition will impact customers differently (higher users pay proportionally more)
- Reduction of billable volume may impact the overall revenue stability unless elasticity is considered



2022 Residential Water Use Data



2022 Data	Jan	Mar	May	Jul	Sep	Nov	Annual Average					
Bi-Monthly Average Usage												
Bi-Mo. Average	13	12	14	13	37	30	20					
25% Percentile	7	6	8	7	14	12	8					
50% Percentile	10	10	11	10	28	23	12					
75% Percentile	15	14	16	15	48	38	22					
		Мо	nthly Averag	e Usage								
Mo. Average	7	6	7	6	18	15	10					
25% Percentile	4	3	4	4	7	6	4					
50% Percentile	5	5	6	5	14	12	6					
75% Percentile	8	7	8	8	24	19	11					



Incorporate feedback

» Water:

S1: Full Obligations 7.50% - 3.00% per year

S2: Reduced Policies 4.75% per year

» Sewer: 3.25% per year

» Rate design considerations

Present stormwater and solid waste on September 18th

Rates go into effect January 1st, 2024



Thank you!

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