

Department of Natural Resources and Parks Wastewater Treatment Division

2025 WTD Rate Strategy Discussions – MWPAAC General

January 24th, 2024

Agenda & Calendar



2025 Sewer Rate Goals and Schedule



2024 Adopted Sewer Rate and Financial Forecast



Assumptions/ Practices



Capital Delivery Strategies



Questions & Next Steps

Important Upcoming Dates Preliminary Rate Policy: February 7 – RWQC Preliminary Rate Proposal February 1 – MWPAAC R&F

Goals for 2025 Sewer Rate Development

- Increase **reliability** at West Point and across the system
- Address the most critical **asset management** needs to reduce risk
- Reflect increasing **regulatory requirements** with new projects and staff
- Accommodate **growth-related demand** with capacity enhancements
- Reflect King County priorities: Clean Water Healthy Habitat, Strategic Climate Action Plan, Equity & Social Justice and others
- Propose a 2025 rate and ten-year rate forecast that realistically reflects high priority system investments
- Meet key financial metrics and only charge what we can spend

2025 Sewer Rate Schedule (January – March)

MONTH	ACTIVITIES
January	WTD 2024 year-end activities and Capital Improvement Program (CIP) forecast updates
	WTD year-end activities substantially complete and CIP updates completed for 2025 rate forecast
Cohruon /	Feb. 1 – Rates & Finance Subcommittee - Discuss updates on 2025 rate-setting policy direction, if possible
rebiuary	Feb. 7 – Regional Water Quality Committee - Brief on 2025 rate-setting policy
JanuaryWTD 2024 year-end activities and Capital Improvement Program (CIP) forecasFebruaryWTD year-end activities substantially complete and CIP updates completed for Feb. 1 – Rates & Finance Subcommittee - Discuss updates on 2025 rate-set Feb. 7 – Regional Water Quality Committee - Brief on 2025 rate-setting policy Feb. 28 – Full MWPAAC - Discuss updates on 2025 rate-setting policy direction Early March – Brief King County Executive on DNRP/WTD 2025 Sewer Rate Early March – WTD submits 2025 Sewer Rate and Capacity Charge Proprime March 7 – Rates & Finance Subcommittee meeting • Review key points of meeting with DNRP Director's Office and Executive • Discuss key points for draft MWPAAC letter on sewer rate recommend at March 27 full MWPAAC meeting Mid-March – DNRP Director's Office submits 2025 Sewer Rate and Capacity MWPAAC's March 27 general meeting • March 27 – MWPAAC General • Present DNRP/WTD 2025 Sewer Rate and Capacity Charge proposal	Feb. 28 – Full MWPAAC - Discuss updates on 2025 rate-setting policy direction, if possible
	Early March – Brief King County Executive on DNRP/WTD 2025 Sewer Rate and Capacity Charge Proposal
	Early March – WTD submits 2025 Sewer Rate and Capacity Charge Proposal to DNRP Director's Office
	March 7 – Rates & Finance Subcommittee meeting
	•Review key points of meeting with DNRP Director's Office and Executive's Office, if possible
	•Discuss key points for draft MWPAAC letter on sewer rate recommendation to Executive for consideration and action
Manah	at March 27 full MWPAAC meeting
March	Mid-March – DNRP Director's Office submits 2025 Sewer Rate and Capacity Charge Proposal to King County Executive
	March 20 – Draft MWPAAC sewer rate recommendation letter is emailed to MWPAAC members one week in advance of
	MWPAAC's March 27 general meeting
	March 27 – MWPAAC General
	 Present DNRP/WTD 2025 Sewer Rate and Capacity Charge proposal
	•MWPAAC considers and takes action on its recommendation letter to King County Executive

2025 Sewer Rate Schedule (April – June)

MONTH	ACTIVITIES							
	April 4 – Rates & Finance Subcommittee meeting							
	•Review Executive's Proposed 2025 Sewer Rate and Capacity Charge recommendation to King County Council							
	•Discuss whether MWPAAC wants to send a separate sewer rate and capacity charge recommendation letter to the King							
	County Council							
Anaril	Mid-April – King County Executive transmits 2025 Sewer Rate and Capacity Charge Recommendation to King County							
April	Council							
	April 24 – MWPAAC General meeting							
	 Present King County Executive's Proposed 2025 Sewer Rate and Capacity Charge 							
	•MWPAAC consideration and action on separate sewer rate recommendation letter provided there is support for a							
	separate letter to King County Council							
	WTD briefs the Regional Water Quality Committee on the King County Executive's Proposed 2025 Sewer Rate and							
Мау	Capacity Charge							
·	Brief the Budget and Fiscal Management Committee on the Executive's Proposed 2025 Sewer Rate and Capacity Charge							
	Budget and Fiscal Management Committee makes a recommendation on the Executive's Proposed 2025 Sewer Rate and							
June	Capacity Charge							
	Public hearing and action on the Executive's Proposed 2025 Sewer Rate and Capacity Charge by King County Council							

2024 Adopted Sewer Rate and Financial Forecast

2024-2033 Sewer Rate Projection		Adopted									
2024 Sewer Rate Projection	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Rate Increase %	5.75%	5.75%	5.75%	5.75%	6.50%	6.50%	6.50%	7.00%	7.00%	7.00%	7.00%
Monthly Sewer Rate	\$52.11	\$55.11	\$58.28	\$61.64	\$65.65	\$69.92	\$74.47	\$79.69	\$85.27	\$91.24	\$97.63
All-In Debt Service Coverage	1.56x	1.73x	1.73x	1.67x	1.68x	1.65x	1.61x	1.53x	1.50x	1.47x	1.51x
Projected O&M (\$m)	\$194	\$198	\$211	\$221	\$231	\$242	\$254	\$266	\$279	\$292	\$306
Projected CIP Spend (\$m)	\$316	\$328	\$406	\$469	\$534	\$656	\$805	\$912	\$924	\$854	\$856
Average Cash Funding					6-Ye	ear Average	39.8%		10- Y	ear Average	33.9%

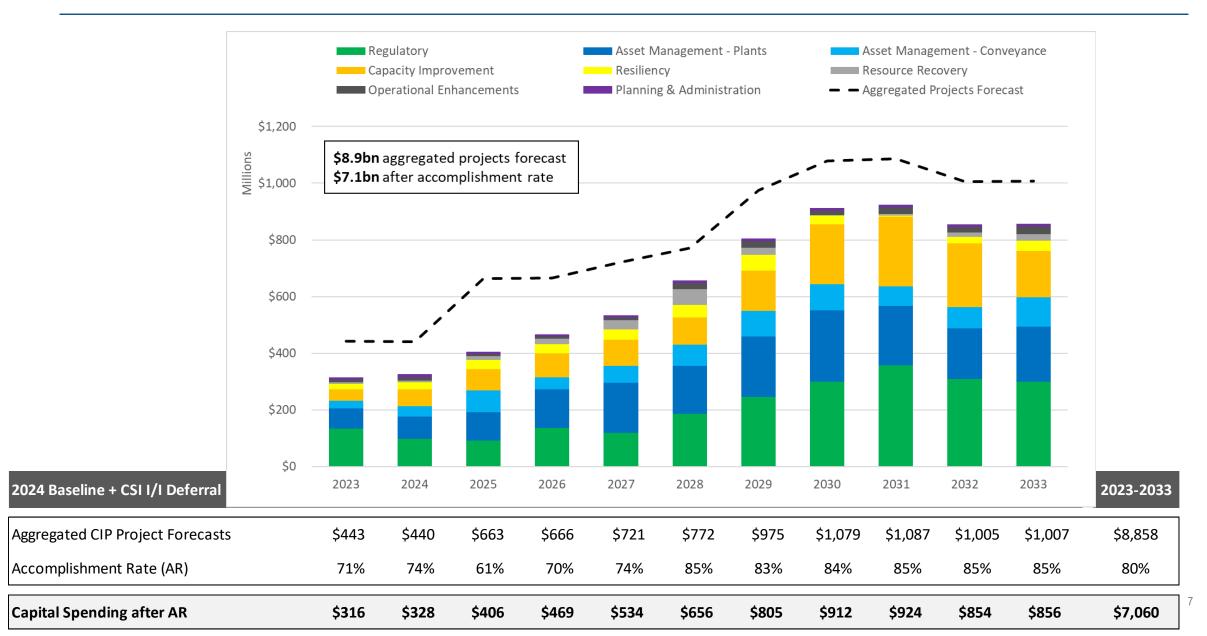
Key Highlights

- Responded to requests for earlier information and more transparency
- WTD updated schedules and costs for CSO projects, added new capital projects, and updated formulations
- WTD deferred Conveyance System Improvement (CSI) Inflow and Infiltration (I/I) projects if they had both no impact on regional growth and no capacity-related overflows in the last 10 years
- WTD lowered average accomplishment rate estimates from 85% to 80% to reflect the size of CIP increases and economic conditions
- WTD replaced its 40% of CIP cash-funding policy with an original cost depreciation approach (approx. 34% of CIP)

Capacity charge determined for next three years based on existing methodology that "expires" in 2030

2025 capacity charge proposal will be \$76.09 (2.5% increase)

Key Driver: CIP and Accomplishment Rate (2023-2033)



Assumptions/ Practices Decisions that Impact the Rate (1/2)

Rate Strategy:

- Maintain last years projected 2025 rate (5.75% increase) and smooth rate between 2026 and 2034
- New: 10-year forecast plus 10-year projection, projection will mainly rely on historical averages

Operating Growth and Inflation Escalation:

Туре	Current	Recommended
Growth	1.5%	3.0%
Labor Inflation	4.0%	4.0%
General Inflation	3.0%	3.0%
Blended Rate	~4.8%	~6.2%

Example Inflation

- 10% increase in SCL electricity rates (~\$1m?)
- King County Budget & Financial Planning Assumptions (BFPA) Q4 2023 FY25 assumes 20% increase in health benefits
- Anticipate new labor agreement will try and recover inflation

Example Growth

- Responding to Contaminants of Emerging Concern (CECs)
- New facilities and equipment
- New labor

Assumptions/ Practices Decisions that Impact the Rate (2/2)

Capital Funding:

- Long-term interest rate 5%
- Cash funding target set with Original Cost Depreciation approach (~34% of total 10-year CIP in last forecast)

Capital Spending Forecasts:

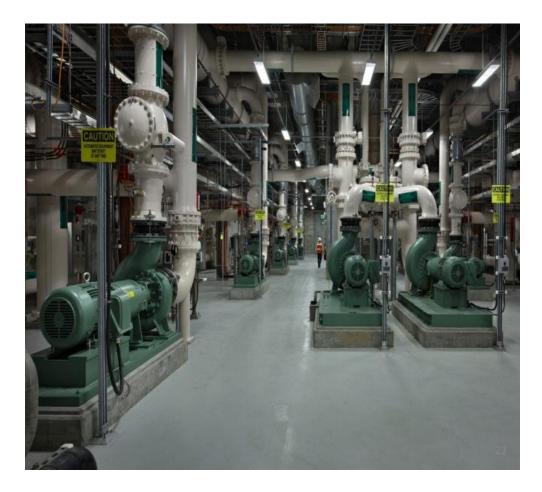
- Combined Sewer Overflow: Assumes modification of Consent Decree
- Nutrient Removal: Include near-term compliance costs
- Per- and Polyfluoroalkyl substances (PFAS) and other Contaminants of Emerging Concern (CECs): No capital costs included in forecast. Potential regulations are unknown and will be monitored for change.
- Asset Management Refurbishment/Replacement: Target completion of high priority ("Tier 1") inventory in 2033

Capital Delivery Strategies

Risk Management

Collaborative Delivery

- 2022: Launched pilot for using Collaborative Delivery (also known as Alternative Delivery) as a tool to manage risk and obtain better schedule certainty on appropriate capital projects
- Conducted industry outreach with 50+ contractors, consultants, and public owners
- Trained 100+ WTD staff, created a video library on best practices, and achieved 12 Design Build Institute of America certifications
- Developed a project evaluation tool and evaluated 18 projects
- Three pilot projects so far have received unanimous State Project Review Committee approval
- Currently moving from pilot to regular business practice through the creation of standards, templates, policy, and defining roles and responsibilities



Capital Delivery Strategies

Coordination, Collaboration, and Efficiency



Facility-Based Programs

- Launched pilot in 2020 at West Point Treatment plant to reduce risk, increase delivery efficiency, and increase coordination
- Strategies:
 - Appointing a program team responsible for management of the program
 - Bundling projects within facilities or timeframes for contracting efficiency
 - Applying programmatic level dependency, schedule analysis, risk, and delivery approach management
- Benefits:
 - Consistency of processes and standards between projects
 - Better communication, collaboration, and mentorship
 - Procurement and administration workload efficiencies by bundling related projects into contracts
 - Reducing impacts on facility operations and mitigating risks
- Moving from Pilot to regular business practice through establishing four additional facility programs; defining staffing plan, roles, and responsibilities; and working with central procurement on contracting efficiency



Department of Natural Resources and Parks Wastewater Treatment Division

Questions and Next Steps

January 24, 2024

Contact Information

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Other Key Assumptions

Forecast Assumptions: 2024-2033 Rate Forecast	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Single-Family Residences RCE Growth	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%
Multi-Family & Commercial RCE Growth	2.7%	2.0%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Capacity Charge Regular Payments	3.0%	3.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Capacity Charge Prepayments	3.0%	3.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
General Cost Inflation	Biennial Budget +		3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Labor Cost Inflation	2024 Dec	2024 Decision Packages		4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%
Expenditure Growth	Packag			1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
Capital Cost Escalation	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
CIP Effective Accomplishment Rate	71.4%	74.5%	61.3%	70.4%	74.0%	85.0%	82.6%	84.5%	85.0%	85.0%	85.0%
Revenue Bond Rate (30 Year Term)	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Blended Variable Rate	2.54%	3.04%	3.04%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%
Investment Pool Earnings Rate	2.40%	2.70%	2.90%	2.88%	2.81%	2.77%	2.76%	2.75%	2.75%	2.75%	2.75%

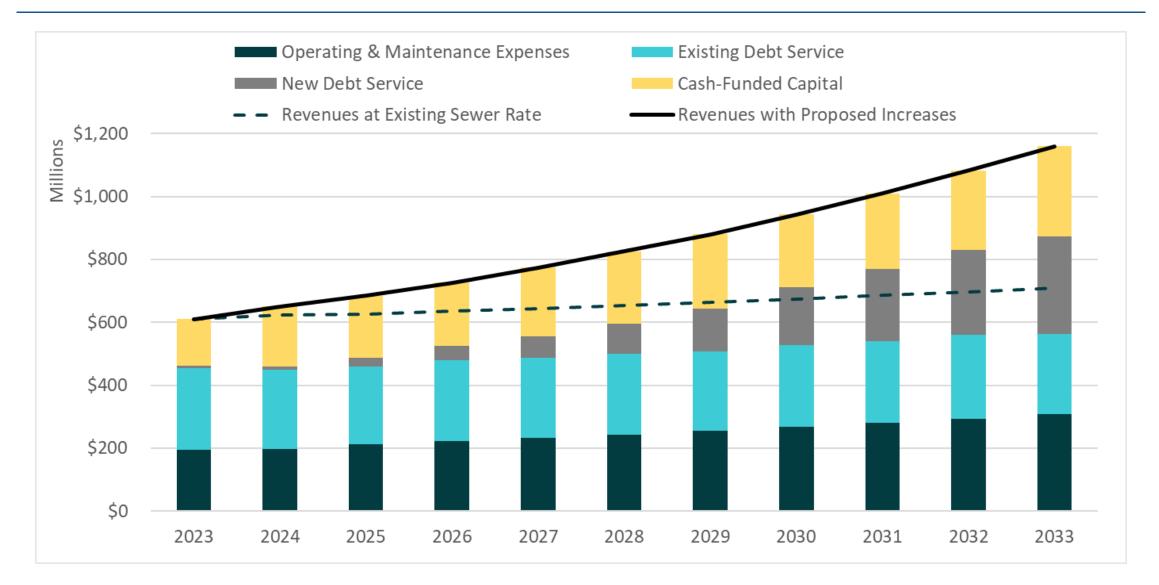
WTD Financial Forecast - Part I

Wastewater Treatment Division			Rate Proposal	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Attachment A - Financial Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Operating Financial Forecast - 4611 (\$ '000)												
Monthly Sewer Rate		\$52.11	\$55.11	\$58.28	\$61.64	\$65.65	\$69.92	\$74.47	\$79.69	\$85.27	\$91.24	\$97.63
Rate Increase		5.75%	5.75%	5.75%	5.75%	6.50%	6.50%	6.50%	7.00%	7.00%	7.00%	7.00%
Residential Customer Equivalents (RCEs)		764,063	775,796	784,843	789,766	794,697	799,637	804,586	809,543	814,509	819,485	824,468
Revenue												
Sewer Rate	\$	477,784 \$	513,049	548,888 \$	584,174 \$	626,062	670,928 \$	719,010 \$	774,150 \$	833,439 \$	897,237 \$	965,914
Capacity Charge		94,799	97,643	102,525	107,651	113,034	118,686	124,620	130,851	137,393	144,263	151,476
Industrial Waste		10,539	10,594	10,649	10,704	10,759	10,815	10,871	10,928	10,984	11,042	11,099
Resource Recovery		8,639	8,689	2,769	2,852	2,938	3,026	3,117	3,210	3,307	3,406	3,508
Other Income		4,509	4,520	4,531	4,543	4,556	4,568	4,581	4,595	4,609	4,623	4,638
Investment Income		14,015	15,843	15,412	15,937	16,172	17,063	18,007	19,157	20,190	21,596	22,914
Use (Transfer to) Rate Stabilization Reserve		-	-	-	-	-	-	-	-	-	-	-
Total - Revenue	\$	610,285	650,337	684,774 \$	5 725,862 \$	773,521	\$ 825,086 \$	880,206 \$	942,891 \$	1,009,922 \$	1,082,166 \$	1,159,550
Expenditures & Transfers												
O&M Expenses	Ś	(193,913) \$	(198,208)	(210,585) \$	(220,869) \$	(231,399)	\$ (242,439) \$	(254,016) \$	(266,155) \$	(278,885) \$	(292,234) \$	(306,330)
Existing Debt Service	Ŧ	(258,355)	(250,513)	(247,854)	(258,357)	(254,791)	(255,483)	(252,286)	(260,636)	(259,775)	(266,450)	(255,740)
New Debt Service		(8,798)	(11,093)	(26,442)	(44,855)	(67,493)	(97,099)	(136,574)	(182,436)	(228,691)	(269,904)	(308,639)
Debt Retirement/ Defeasance Use of Cash		-	-	-	-	-	-	-	-	-	-	-
Minimum Operating Reserve Contribution		(1,755)	(429)	(1,238)	(1,028)	(1,053)	(1,104)	(1,158)	(1,214)	(1,273)	(1,335)	(1,410)
Total - Expenditures & Transfers	\$	(462,822)							(710,442) \$		(829,922) \$	(872,119)
Net Cash Flow	\$	147,463	\$	5 198,654 \$	\$ 200,752 \$	218,785	\$ 228,961 \$	236,173 \$	232,449 \$	5 241,297 \$	252,244 \$	287,430
Beginning Balance	Ś	42,431 \$; - \$; - \$	- 5	5 - Ś	- Ś	0 \$	- \$	- Ś	-
Net Cash Flow	Ŧ	147,463	190,094	198,654	200,752	218,785	228,961	236,173	232,449	241,297	252,244	287,430
Policy Cash-Funded Capital (Transfer to Capital Fund) ¹		(189,893)	(190,094)	(198,654)	(200,752)	(218,785)	(228,961)	(236,173)	(232,449)	(241,297)	(252,244)	(287,430)
Ending Balance	\$	- \$							- \$			-
Ending Reserve Balances												
Water Quality Operating Liquidity Reserve	\$	19,391 \$	19,821	21,059 \$	22,087 \$	23,140	\$ 24,244 \$	25,402 \$	26,616 \$	27,889 \$	29,223 \$	30,633
Rate Stabilization Reserve Account	\$	46,250 \$, ,	, ,	, ,		, ,	, ,	46,250 \$, ,	46,250 \$	46,250
Debt Service Coverage - Parity Bonds (Senior Lien)		2.90x	3.07x	3.16x	2.84x	2.75x	2.55x	2.62x	2.29x	2.12x	2.03x	2.01x
Debt Service Coverage - All-In Debt Service		1.56x	1.73x	1.73x	1.67x	1.68x	1.65x	1.61x	1.53x	1.50x	1.47x	1.51x
¹ Includes target original cost depreciation capital funding f	rom ra	tes, plus excess	transfer from the c	perating reserve in	2022							

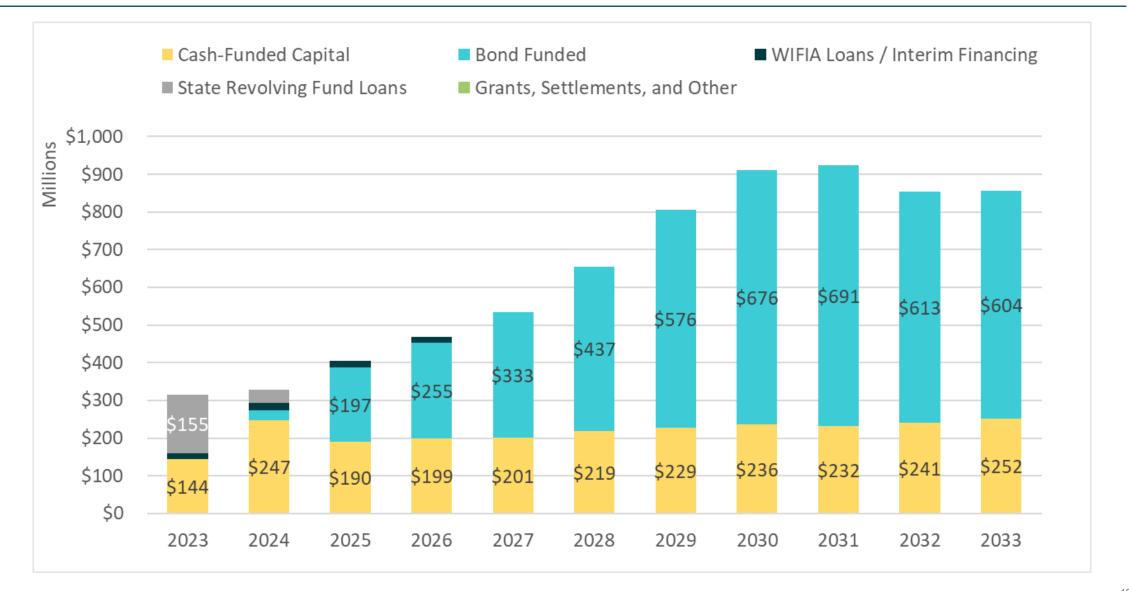
WTD Financial Forecast - Part II

Wastewater Treatment Division Attachment A - Financial Forecast		Budget 2023	Rate Proposal 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	Projected 2029	Projected 2030	Projected 2031	Projected 2032	Projected 2033
Capital Funding Forecast - 3611 & 3612 (\$ '000)												
Beginning Balance WIFIA Proceeds State Loan Proceeds Variable Rate Debt Proceeds Commercial Paper / Interim Financing Retirement of Interim Financing Net Bond Proceeds Debt Reserve Contribution/(Requirement) Grants, Settlements, and Other Capital Expenditures Ending Palance Referent Transform	\$	201,482 \$ 44,600 155,148 - 53,313 (81,615) - 459 - (315,949) 57,438 \$	34,747 27,162 (8,747) 24,827 2,352 (327,672)	15,974 19,122 - 181,158 - - (406,350)	96,845 25,690 12,595 (93,931) 229,124 - - (468,977)	37,495 - 295,683 - - (533,930)	- 51,594 - - 385,666 - - - (656,046)	67,370 - - 508,943 - - (805,273)	90,548 - - 584,996 - - (911,717)	106,231 - - 585,100 - - (923,780)	- 110,163 - 502,747 - (854,208)	252,244 - - 106,730 - - 496,941 - - (855,914)
Ending Balance Before Transfers Year-end Transfers from Operating Fund Ending Balance	\$ \$	57,438 \$ 189,893 247,331 \$	190,094	198,654	200,752	- \$ 218,785 218,785 \$	228,961	236,173	232,449	- 9 241,297 241,297 9	252,244	- 287,430 287,430
Ending Reserve Balances Capital Liquidity Reserve Emergency Capital Reserve Revenue Bonds Reserve Account State Revolving Fund Reserve Account		5,000 15,000 126,412 981	5,000 15,000 128,043 219	5,000 15,000 140,004 219	5,000 15,000 159,995 176	5,000 15,000 180,735 133	5,000 15,000 207,437 133	5,000 15,000 242,633 133	5,000 15,000 283,385 68	5,000 15,000 324,504 -	5,000 15,000 360,237 -	5,000 15,000 395,238 -

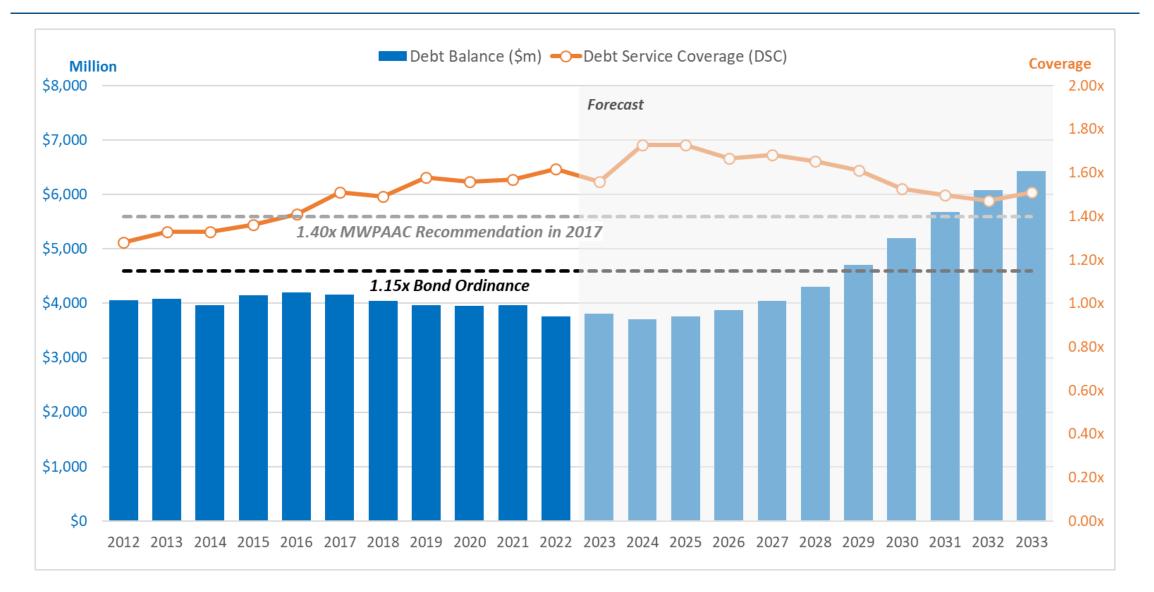
2024 – 2033 Revenue Requirement



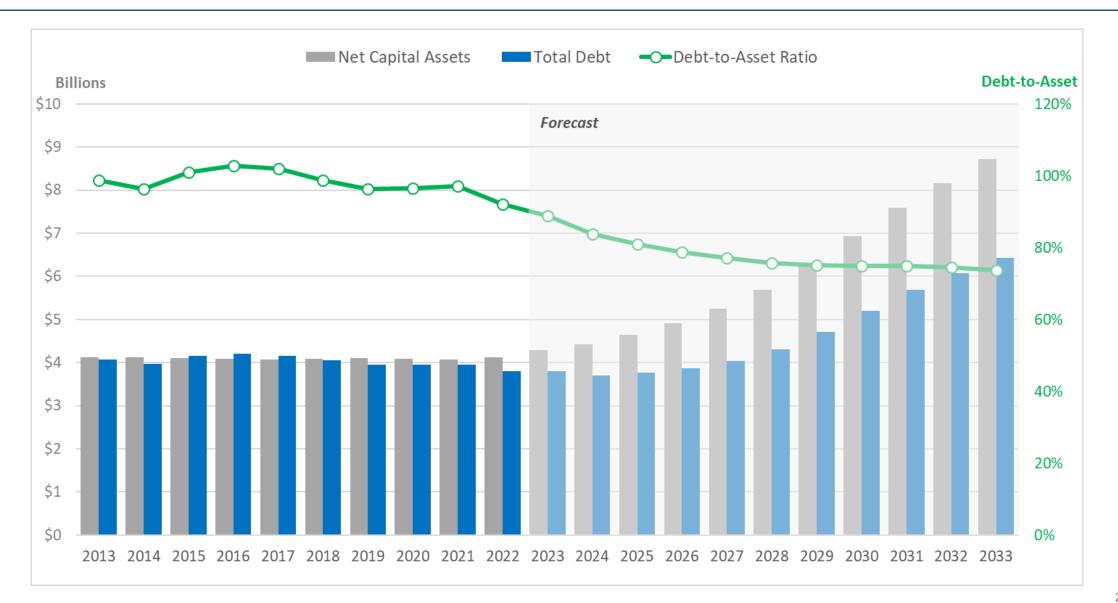
2024 – 2033 Capital Funding Plan



WTD Debt Balance and Debt Service Coverage



WTD Debt and Asset Balances



2024 Adopted Capacity Charge and 10-year Projection

2024 Capacity Charge Projection	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Rate	\$72.50	\$74.23	\$76.09	\$77.99	\$79.94	\$81.94	\$83.99	\$86.09			
Increase %	3.0%	2.4%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%			
Increase \$	\$2.11	\$1.73	\$1.86	\$1.90	\$1.95	\$2.00	\$2.05	\$2.10			
Annual Total	\$870	\$891	\$913	\$936	\$959	\$983	\$1,008	\$1,033			
Total Payment (15 years)	\$13,050	\$13,362	\$13,696	\$14,038	\$14,389	\$14,749	\$15,117	\$15,495			
Projected Revenue (000's)	\$92,998	\$94,877	\$94,919	\$95,999	\$97,045	\$97,460	\$97,407	\$97,505	\$90,393	\$78,794	\$69,361

Key Highlights

- Clean Water Plan paused; performed regular three-year update based on existing methodology established in 2003
- WTD proposed decreasing the annual adjustment to the capacity charge for inflation from 3% to 2.5%, based on slower connection growth following the COVID-19 pandemic
- There are currently no policy provisions in King County Code to charge the capacity charge beyond 2030 connections
- Continue working with Capacity Charge work group (MWPAAC)