



2024 UTILITY RATE STUDY

October 24, 2023

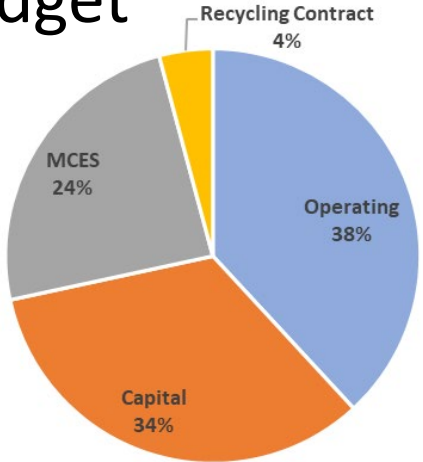


Utility Rate Study

- Building on AE2S consultant water usage and tiered rate structure review in 2022
- Building in most recent capital projects

2024-2032 Capital Costs (in millions)		
Water	\$	49.7
Sewer	\$	25.9
Water Resources	\$	37.5

- Performed every five years
- Capital and contractual agreements for sewer treatment and recycling are 62% of the total 2024 budget



Utility Rate Study - Assumptions

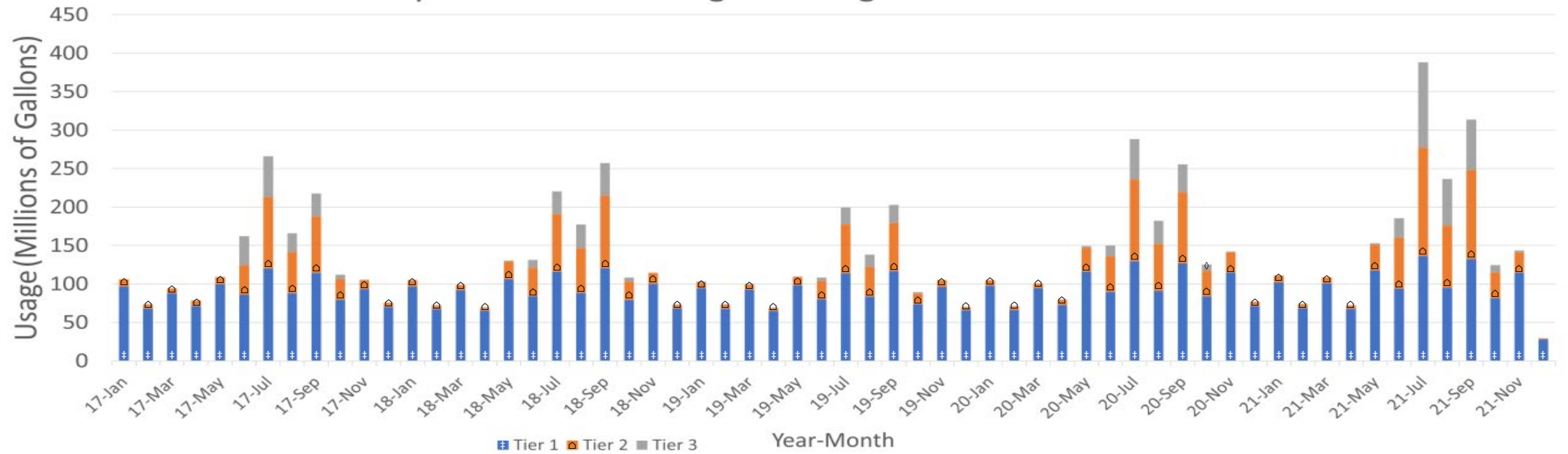
	Water	Sewer	Water Resources	Solid Waste
Cash	Year-end 2022 is starting point			
Consumption	3 year average			
Revenue	See rates			
Investment Income	2.00%			
New Growth	50 new average residences per year			
Medicine Lake	80% converted in 10 years at bell curve rate			
Other adj	Transfer in of \$2.7M water/sewer replacement fund balance			
Personnel expenses	24/25 based on budget, then 3%			
Other expenses	24/25 based on budget, then 3%			24/25 based on budget, then 3% plus new Republic contract
Met Council		actual 2024, then 5%		
Organics				\$3.00 in 2024, 4% 25/26, 3% thereafter
Allocations	5%			
Capital Expenses	includes annual contingency of \$400k and 2% inflation	includes annual contingency of \$500k and 2% inflation	includes annual contingency of \$1M and 2% inflation	
Target reserve	3 months next yr opr excluding depreciation, 100% of debt service and 50% capital			

Water Residential

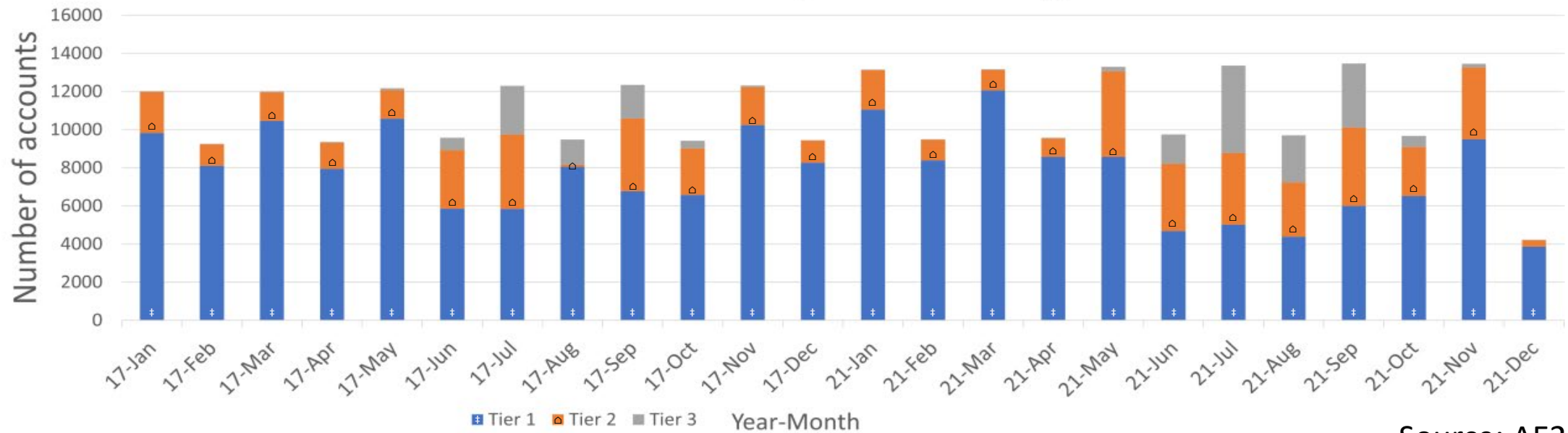
- **Base charges** – fixed monthly fees to cover costs regardless of consumption
- **Consumption** – based on metered use of water
- **Conservation** – MN legislature requires a conservation rate structure which the tiers support

WATER RESIDENTIAL				
		<u>2023</u>	<u>2024</u>	<u>Increase</u>
Base fee		4.96	5.36	8%
Tiers (2 months)				
	up to 12,500 gallons	1.79	1.93	8%
	12,501 - 35,000 gallons	2.25	2.43	8%
	> 35,000 gallons	3.87	4.18	8%
Irrigation (2 months)				
	up to 35,000 gallons	2.25	2.43	8%
	> 35,000 gallons	3.87	4.18	8%

Plymouth water Usage for Single-Unit-Residential



Number of Accounts per Tier for Single-Unit Residential



Water Residential

Proposed Residential Water Rate Increases

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
Water	3.0%	8.0%	8.0%	8.0%	8.0%	5.0%	5.0%	3.0%	3.0%	3.0%

Estimated Impact to User

Change in Residential & Multi-Family Charges by Consumption Level

per customer, per month

Consumption Level	Gallons per Month	2024	2025	2026	2027	2028	2029	2030	2031	2032
Light	2,500	\$0.75	\$0.81	\$0.89	\$0.95	\$0.64	\$0.68	\$0.42	\$0.43	\$0.47
Average	6,250	1.28	1.37	1.52	1.63	1.09	1.16	0.72	0.73	0.80
Above Avg	12,500	2.40	2.56	2.84	3.06	2.03	2.16	1.35	1.36	1.49
Heavy	22,500	4.85	5.16	5.69	6.16	4.08	4.36	2.69	2.76	2.94

Water Commercial

- **Base charges** – fixed monthly fees to cover costs regardless of consumption
- **Consumption** – based on metered use of water
- **Demand** – billed to commercial users with meters 1 ½” or greater
- **Conservation** – Reset of irrigation rate

WATER COMMERCIAL/INDUSTRIAL				
		<u>2023</u>	<u>2024</u>	<u>Increase</u>
	Commercial (per gallon)	2.14	2.31	8%
	Irrigation (per gallon)	2.67	3.66	37%

Water Commercial

Proposed Commercial Water Rate Increases

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
Water	3.0%	8.0%	8.0%	8.0%	8.0%	5.0%	5.0%	3.0%	3.0%	3.0%
Commercial Irrigation	3.0%	37.0%	8.0%	8.0%	8.0%	5.0%	5.0%	3.0%	3.0%	3.0%

Estimated Impact to User

Change in Commercial Charges by Meter Size

per customer, per month

Meter Size	Average Gallons per Month	2024	2025	2026	2027	2028	2029	2030	2031	2032
3/4" and 1" meters	7,190	\$1.62	\$1.72	\$1.90	\$2.08	\$1.42	\$1.43	\$0.94	\$0.95	\$0.96
1 1/2" meter	28,644	10.21	10.93	11.96	13.03	8.84	9.06	5.86	5.95	6.05
2" meter	84,079	22.11	23.57	25.93	28.34	19.26	19.58	12.80	12.94	13.08
3" meter	113,672	35.17	37.58	41.22	44.98	30.53	31.20	20.28	20.55	20.83
4" meter	245,887	66.93	71.40	78.48	85.75	58.25	59.31	38.72	39.15	39.59
6" meter	826,386	230.10	244.16	270.44	296.90	202.22	203.28	134.70	135.13	135.57
Irrigation	1,205,688	1,194.03	350.08	386.28	410.43	277.65	289.72	181.07	193.14	193.15

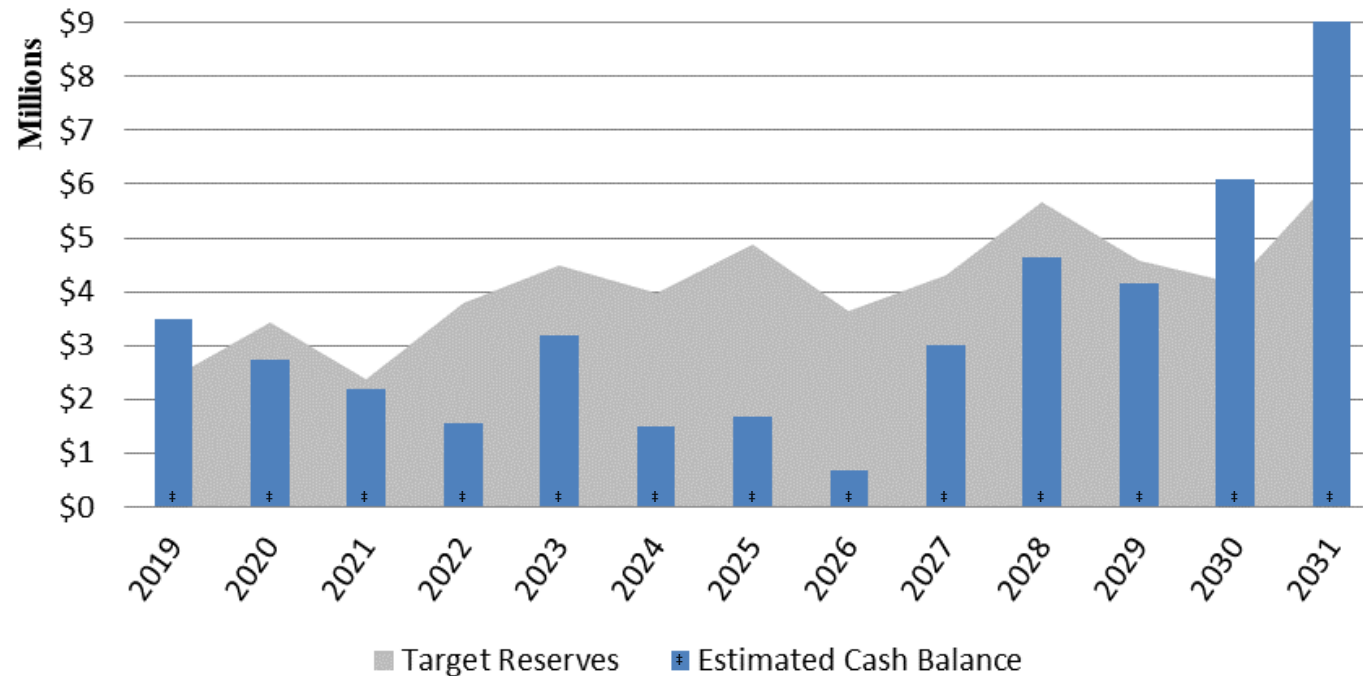


Water

Proposed Water Rate Increases

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
Water	3.0%	8%	8%	8%	8%	5%	5%	3%	3%	3%

Water Fund Reserves



Sanitary Sewer

- **Base charges** – fixed monthly fees to cover costs regardless of consumption
- **Consumption**
 - based on metered use of water
 - Residential are charged lesser of actual consumption or winter average

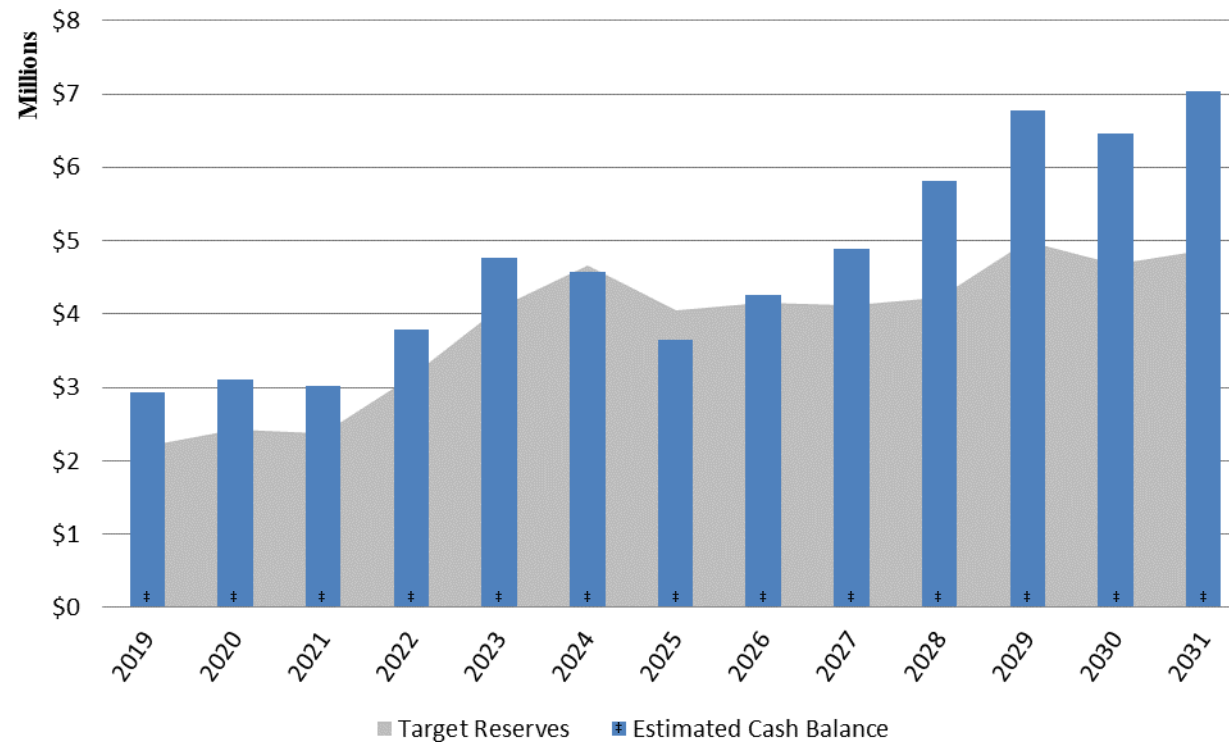
SEWER				
		<u>2023</u>	<u>2024</u>	<u>Increase</u>
Base fee		8.46	8.93	5.5%
per 1,000 gallons		4.97	5.24	5.5%

Sanitary Sewer

Proposed Sewer Rate Increases

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
Sewer	5.5%	5.5%	4.5%	4.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

Sewer Fund Reserves



Water Resources

Primary source of funding for surface water plan, erosion control, wetland regulations and environmental programs

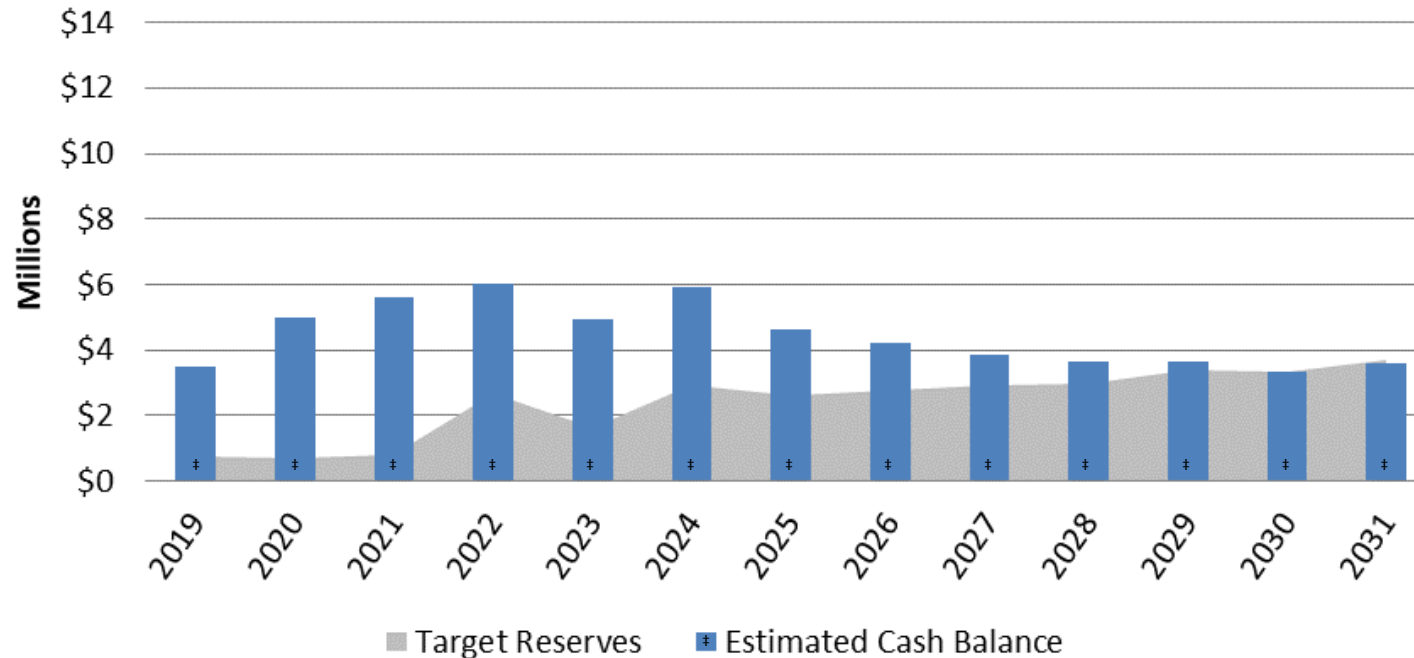
WATER RESOURCES				
		<u>2023</u>	<u>2024</u>	<u>Increase</u>
	Residential (per month)	8.66	9.01	4%
	Multi-residential (per acre)	28.70	29.85	4%
	Commercial/Industrial (per acre)	62.04	64.52	4%

Water Resources

Proposed Water Resources Rate Increases

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
Water Resources	3.0%	4.0%	4.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%

Water Resources Fund Reserves



Solid Waste

Recycling contract represents
80% of operating costs

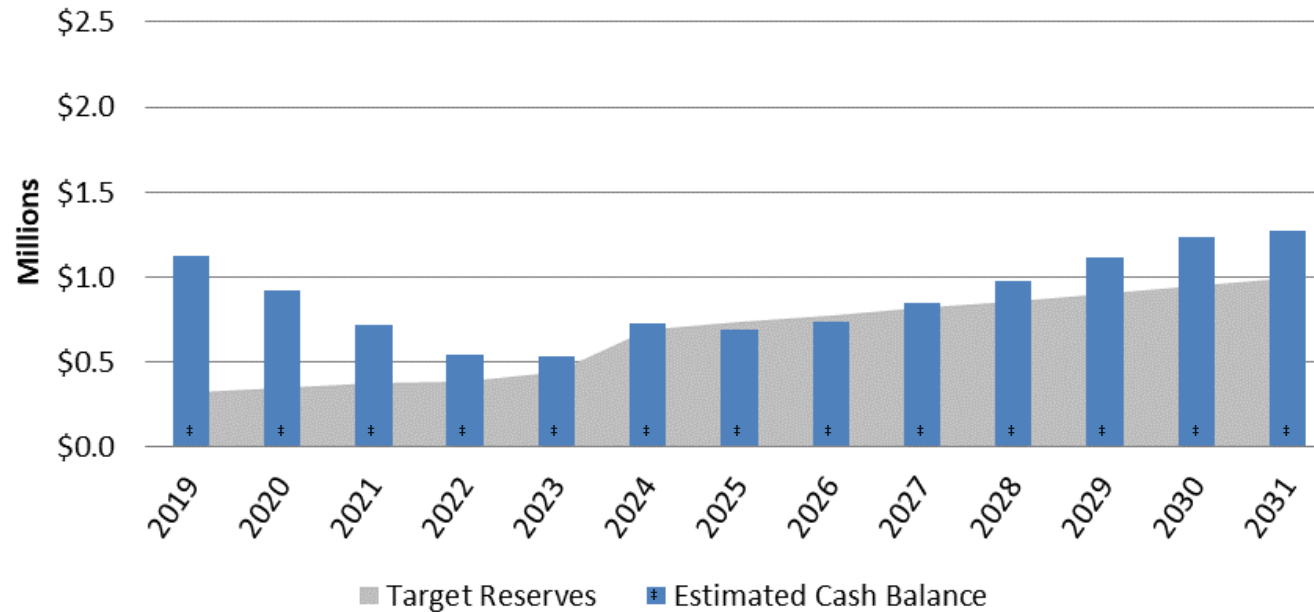
SOLID WASTE				
		<u>2023</u>	<u>2024</u>	<u>Increase</u>
Residential Recycling (per month)		\$ 4.25	\$ 5.25	\$ 1.00
Residential Organics			\$ 3.00	

Solid Waste

Proposed Solid Waste Rate Increases

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
Recycling	\$ 0.40	\$ 1.00	\$ 2.50	\$ 0.75	\$ 0.75	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.25	\$ 0.25
Organics		\$ 3.00	\$ 0.12	\$ 0.12	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.11	\$ 0.11	\$ 0.11

Solid Waste Management Fund Reserves



Street Reconstruction & Franchise Fees

Street Reconstruction Fund & Franchise Fees

- Street reconstruction is funded via franchise fees, property taxes, MSA and special assessments
- With large projects coming up, will need to make some changes to stay cash positive in the street reconstruction fund
 - Proposed increase franchise fees (proposing moving to 5 year rate changes and bump in 2024) of 40%
 - Proposed interfund loan/bonding for approximately \$11 million to cover projects in 2024-2026
 - Possibly increase property tax levy (currently at 3%) in 2025

Franchise Fee Comparison

	<u>Plymouth</u> <u>Current</u>	<u>Plymouth</u> <u>Proposed 2024</u>	<u>Brooklyn Park</u>	<u>Edina as of</u> <u>1/1/24</u>	<u>Burnsville</u>	<u>Minnetonka</u>	<u>Bloomington</u> <u>Proposed 2024</u>	<u>Eden Prairie</u>
Residential	5.04	7.06	7.00	7.10	8.00	9.00	11.90	13.00
Small C&I - Non-Demand	7.58	10.62	7.50	12.00	24.00	9.00	23.80	17.00
Small C&I - Demand	25.32	35.44	45.00	34.00	80.00	27.00	126.00	41.00
Large C&I	101.2	141.68	160.00	142.00	360.00	90.00	364.00	179.00
rate cycle	Annual	5 years	NA	2 years	5 years	since 2019	2 years	5 years
used for	street reconstruction	street reconstruction	mill, overlay, reconstruction	pedestrian & cycle safety, conservation & sustainability, street lighting	capital for city facilities and infrastructure	trail expansion and underground electrical lines	road seal coat, overlay, trail/sidewalks and some ROW - not street reconstruction (bond with 25% spec assess)	street reconstruction

Total Annual Impact to Resident

	Resident*		
	<u>2023</u>	<u>2024</u>	<u>Change</u>
Property Taxes	1,106.20	1,163.65	57.45
Water	193.80	209.04	15.24
Sewer	486.24	512.76	26.52
Surface Water	103.92	108.12	4.20
Recycling	51.00	63.00	12.00
Organics	-	36.00	36.00
Franchise Fees	60.48	84.72	24.24
Total	2,001.64	2,177.29	175.65

* Based on median value home of \$470,000 and average water usage

Next Steps

- Decisions
 - Rates are approved with the budget in December
 - Increase in commercial irrigation rate to drive conservation and more closely align with residential tiering
 - Pursue a city code change requiring irrigation meters with new development
 - Future – Research rate structure changes (e.g., impervious surface driver for surface water) in conjunction with new ERP
- Upcoming Dates
 - November 14, 2023: Internal Service Funds budget discussion
 - November 28, 2023: Additional budget discussion (if needed)
 - December 12, 2023: Budget Public Hearing

Details

**Utility Rates – historical and proposed
Utility Rates Comparison to Other Cities
Capital expenditures incorporated**

Utility Rate Study – History & Proposed

				<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
%/ \$ increases																	
	Water			3.5%	3.5%	3.5%	3.5%	3.0%	8.0%	8.0%	8.0%	8.0%	5.0%	5.0%	3.0%	3.0%	3.0%
	Commercial Irrigation			3.5%	3.5%	3.5%	3.5%	3.0%	37.0%	8.0%	8.0%	8.0%	5.0%	5.0%	3.0%	3.0%	3.0%
	Sewer			6.0%	5.5%	5.5%	5.5%	5.5%	5.5%	4.5%	4.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
	Water Resources			7.5%	7.0%	3.0%	7.0%	3.0%	4.0%	4.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
	Recycling			\$ 0.25	\$ 0.35	\$ 0.35	\$ 0.40	\$ 0.40	\$ 1.00	\$ 2.50	\$ 0.75	\$ 0.75	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.25	\$ 0.25
	Organics								\$ 3.00	\$ 0.12	\$ 0.12	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.11	\$ 0.11	\$ 0.11
Rates																	
	Water																
	Base fee			4.35	4.5	4.66	4.82	4.96	5.36	5.79	6.25	6.75	7.09	7.44	7.66	7.89	8.13
	Residential (2 months)																
		up to 12,500 gallons		1.57	1.62	1.68	1.74	1.79	1.93	2.08	2.25	2.43	2.55	2.68	2.76	2.84	2.93
		12,501 - 35,000 gallons		1.97	2.04	2.11	2.18	2.25	2.43	2.62	2.83	3.06	3.21	3.37	3.47	3.57	3.68
		> 35,000 gallons		3.39	3.51	3.63	3.76	3.87	4.18	4.51	4.87	5.26	5.52	5.80	5.97	6.15	6.33
	Commercial			1.87	1.94	2.01	2.08	2.14	2.31	2.49	2.69	2.91	3.06	3.21	3.31	3.41	3.51
	Irrigation																
	Residential (2 months)																
		up to 35,000 gallons		1.97	2.04	2.11	2.18	2.25	2.43	2.62	2.83	3.06	3.21	3.37	3.47	3.57	3.68
		> 35,000 gallons		3.39	3.51	3.63	3.76	3.87	4.18	4.51	4.87	5.26	5.52	5.80	5.97	6.15	6.33
	Commercial/Industrial			2.34	2.42	2.5	2.59	2.67	3.66	3.95	4.27	4.61	4.84	5.08	5.23	5.39	5.55
	Sewer																
	Base fee			6.82	7.2	7.6	8.02	8.46	8.93	9.33	9.70	9.99	10.29	10.60	10.92	11.25	11.59
	per 1,000 gallons			4.01	4.23	4.46	4.71	4.97	5.24	5.48	5.70	5.87	6.05	6.23	6.42	6.61	6.81
	Water Resources																
	Residential			6.86	7.34	7.56	8.09	8.66	9.01	9.37	10.03	10.73	11.48	12.28	13.14	14.06	15.04
	Multi-residential (per acre)			22.75	24.34	25.07	26.82	28.70	29.85	31.04	33.21	35.53	38.02	40.68	43.53	46.58	49.84
	Commercial/Industrial (per acre)			49.17	52.61	54.18	57.98	62.04	64.52	67.10	71.80	76.83	82.21	87.96	94.12	100.71	107.76
	Residential Recycling (per month)			2.75	3.1	3.45	3.85	4.25	5.25	7.75	8.50	9.25	9.75	10.25	10.75	11.00	11.25
	Residential Organics (per month)								3.00	3.12	3.24	3.34	3.44	3.54	3.65	3.76	3.87

Utility Rate Study - Comparison to Other Cities

Rates (based on monthly 2023)																	
			<u>Plymouth</u>	<u>Apply Valley</u>	<u>Bloomington</u>	<u>Burnsville</u>	<u>Eden Prairie</u>	<u>Maple Grove</u>	<u>Minnetonka</u>	<u>Edina</u>							
Water																	
	Residential																
		Base	4.82	8.17	-	based on meter size	7.50	-	24.55	based on meter size							
		Tier 1	0-6,250 1.79	0-5,000 1.69	0-6,000 4.67	0-5,000 2.38	0-6,667 2.55	0-6,667 1.59	0-6,000 3.43	0-4,000 2.42							
		Tier 2	6,250-17,500 2.25	5,000-10,000 1.75	> 6,000 8.22	5,000-15,000 2.96	6,667-13,333 3.58	6,667-13,333 2.14	6,000-13,333 3.91	4,000-8,000 3.68							
		Tier 3	> 17,500 3.87	10,000-15,000 2.18		> 15,000 3.71	13,333-20,000 4.92	> 13,333 2.87	13,333-23,333 4.88	> 8,000 6.08							
		Tier 4		15,000-35,000 2.73					13,333-23,333 4.88	> 8,000 6.08							
		Tier 5		> 35,000 3.24			>20,000 6.58		>23,333 6.79								
	Multi-residential		same as res	same as res	same as res	same as res	2.65	same as res	same as res	3.68							
	Commercial																
		Base	4.82	8.17	-	based on meter size	8.94	-	24.55	-							
		Tier 1	0-25,000 2.14	0-5,000 1.69	4.67	0-15,000 2.38	2.65	1.77	Oct-April 3.43	0-16,666 2.42							
		Tier 2	> 25,000 2.14	5,000-10,000 1.75		15,000-105,000 2.96			May-Sept 3.91	16,666-66,666 3.02							
		Tier 3		10,000-15,000 2.18		> 105,000 3.71				> 66,666 3.77							
		Tier 4		15,000-35,000 2.73													
		Tier 5		> 35,000 3.24													
	Meter/Demand																
		3/4"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.96
		1"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.41
		1 1/4"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.36
		1 1/2"	61.81	-	-	-	-	-	-	-	-	-	-	-	-	-	45.40
		2"	92.72	-	-	-	-	-	-	-	-	-	-	-	-	-	73.12
		3"	193.18	-	-	-	-	-	-	-	-	-	-	-	-	-	277.63
		4"	309.09	-	-	-	-	-	-	-	-	-	-	-	-	-	353.39
		6"	618.23	-	-	-	-	-	-	-	-	-	-	-	-	-	447.83
		8"	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	568.74
	Industrial (per gallon)		2.14	-	-	-	-	1.77	-	-							

Utility Rate Study - Comparison to Other Cities cont'd

Rates (based on monthly 2023)															
		Plymouth		Apply Valley		Bloomington	Burnsville	Eden Prairie		Maple Grove	Minnetonka		Edina		
Irrigation	Residential														
	Tier 1	0-17,500	2.25	0-5,000	1.69					2.49			0-4,000	3.68	
	Tier 2	> 17,500	3.87	5,000-10,000	1.75								> 4,000	6.08	
	Tier 3			10,000-15,000	2.18										
	Tier 4			15,000-35,000	2.73										
	Tier 5			> 35,000	3.24										
	Commercial/Industrial														
	Tier 1		2.67	0-5,000	1.69	8.22		3.71	0-13,000	3.58	2.49	0-75,000	3.91	0-4,000	3.68
	Tier 2			5,000-10,000	1.75				13,000-20,000	4.92		75,000-175,000	4.88	> 4,000	6.08
	Tier 3			10,000-15,000	2.18				>20,000	6.58		>175,000	6.79		
Tier 4			15,000-35,000	2.73											
Tier 5			> 35,000	3.24											
Sewer	Base fee														
	Residential		8.46		10.67			6.59	7.50	8.99			combined with water		
	Commercial		8.46		10.67			6.59	8.94	REU			combined with water		
	Residential														
	Tier 1		4.97	0-5,000	3.41	5.29		4.27	3.87	2.93		3.60		2.29	
	Tier 2			5,000-10,000	3.46										
	Tier 3			10,000-15,000	3.83										
	Tier 4			15,000-35,000	4.87										
	Tier 5			> 35,000	5.57										
	Commercial		same as res		same as res	same as res	REU	7.60	same as res		same as res		same as res		same as res
Water Resources	Residential		8.66			8.75	7.60		6.22	5.50		7.97			
	Multi-residential (per acre)		28.70				6.08		61.83	4.13					
	Commercial/Industrial (per acre)		62.04						61.85-79.04						
	Per REU				9.55		Commercial	7.60	8.58					formula	
	Per impervious area sq ft									formula					
	Residential Recycling (per month)		4.25		-	6.29					13.50		7.05		4.40
Organics Recycling (per month)														5.50	

**City of Plymouth
Water Utility
Capital Improvement Plan**

Inflation Rate 2.00%

PROJECT DESCRIPTION	PROJECT #	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<i>Funding Provided by Water Fund</i>												
Hamel Road Frontage Road Connection	ST-17-0002	-	-	^ 60,000	-	-	-	-	-	-	-	60,000
Juneau Lane from Hampton Hills to 59th Avenue	ST-20-0001	-	-	-	-	-	-	-	310,000	-	-	310,000
CR 9 at TH 169 Bridge Replacement	ST-20-0002	-	-	-	-	-	-	-	-	-	-	-
36th Ave from Pilgrim Ln to TH 169	ST-20-0003	-	-	500,000	-	-	-	-	-	-	-	500,000
Plymouth Blvd Rehabilitation	ST-24-0003	-	^ 200,000	-	-	-	-	-	-	-	-	200,000
Annual Street Reconstruction	ST-XX-9001	1,750,000	^ 1,400,000	^ 1,400,000	^ 1,500,000	^ 1,200,000	2,400,000	1,900,000	2,500,000	1,900,000	2,200,000	18,150,000
Mill & Overlay Projects	ST-XX-9002	300,000	^ 400,000	^ 300,000	* 330,000	* 230,000	* 230,000	* 230,000	* 230,000	* 230,000	* 230,000	2,710,000
Full Depth Reclamation (FDR) Project	ST-XX-9005	100,000	100,000	150,000	150,000	150,000	150,000	175,000	175,000	200,000	200,000	1,550,000
Zachary WTP Coatings Rehabilitation - Phase 2	WA-22-9003	955,000	-	-	-	-	-	-	-	-	-	955,000
Zachary WTP Plate Settler Plant Expansion	WA-23-0001	250,000	250,000	1,000,000	-	-	-	-	-	-	-	1,500,000
Well Refurbishing	WA-XX-9001	640,000	320,000	330,000	345,000	510,000	530,000	540,000	540,000	365,000	380,000	4,500,000
Treatment Plant Refurbishing	WA-XX-9003	50,000	50,000	175,000	561,000	827,000	595,000	595,000	309,000	235,000	210,000	3,607,000
Water Storage Facility Improvements	WA-XX-9004	235,000	-	-	125,000	75,000	-	-	-	150,000	-	585,000
Trunk Watermain Lining Program	WA-XX-9005	75,000	* 3,000,000	75,000	* 2,500,000	-	75,000	* 2,750,000	-	75,000	* 3,000,000	11,550,000
Future Project Contingency				400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	3,200,000
Total Water Fund		4,355,000	5,720,000	4,390,000	5,911,000	3,392,000	4,380,000	6,590,000	4,464,000	3,555,000	6,620,000	39,302,000
Inflated Total				4,567,356	6,272,800	3,671,610	4,835,874	7,421,410	5,127,733	4,165,249	7,911,513	43,973,545
* Changes since 2023 CIP to be updated in 2025												
^ Changes in 2024 Amendment												

**City of Plymouth
Sanitary Sewer Utility
Capital Improvement Plan**

											Inflation Rate		2.00%
PROJECT DESCRIPTION	PROJECT #	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<i>Funding Provided by Sewer Fund</i>													
Bass Lake Lift Station Pump Replacements	SS-23-0001	250,000	0	0	0	0	0	0	0	0	0	250,000	
Mission Farm Lift Station Equipment Replacement	SS-23-0002	400,000	^ 1,000,000	0	0	0	0	0	0	0	0	1,400,000	
Lancaster Lift Station Electrical Renovation	SS-24-0001	0	^ 100,000	^ 1,600,000	0	0	0	0	0	0	0	1,700,000	
Mission Farm Lift Station Electrical Renovation	SS-25-0001	0	0	0	0	0	0	0	0	0	0	0	
Line Sanitary Sewer Main: Annual Program	SS-XX-9001	^ 370,000	^ 1,630,000	^ 1,370,000	1,100,000	1,100,000	1,100,000	1,100,000	1,200,000	1,200,000	1,200,000	11,370,000	
Future Lift Station Improvements	SS-XX-9003	0	0	150,000	560,000	250,000	150,000	1,000,000	1,000,000	150,000	150,000	3,410,000	
Hamel Road Frontage Road Connection	ST-17-0002	0	0	50,000	0	0	0	0	0	0	0	50,000	
Juneau Lane from Hampton Hills to 59th Avenue	ST-20-0001	0	0	0	0	0	0	0	10,000	0	0	10,000	
CR 9 at TH 169 Bridge Replacement	ST-20-0002	0	0	0	0	0	0	0	0	0	0	0	
Plymouth Blvd Rehabilitation	ST-24-0003	0	^ 150,000	0	0	0	0	0	0	0	0	150,000	
Annual Street Reconstruction	ST-XX-9001	90,000	60,000	^ 60,000	^ 70,000	^ 50,000	75,000	100,000	100,000	100,000	100,000	805,000	
Mill & Overlay Projects	ST-XX-9002	* 150,000	^ 130,000	* 110,000	* 140,000	* 100,000	* 100,000	* 110,000	* 110,000	* 110,000	* 110,000	1,170,000	
Full Depth Reclamation (FDR) Project	ST-XX-9005	50,000	50,000	50,000	60,000	60,000	60,000	60,000	60,000	70,000	70,000	590,000	
Future Project Contingency				500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	4,000,000	
Total Sewer Fund		1,310,000	3,120,000	3,890,000	2,430,000	2,060,000	1,985,000	2,870,000	2,980,000	2,130,000	2,130,000	20,475,000	
Inflated Total				4,047,156	2,578,735	2,229,810	2,191,600	3,232,086	3,423,083	2,495,634	2,545,547	22,743,653	
* Changes since 2023 CIP to be updated in 2025													
^ Changes in 2024 Amendment													

City of Plymouth

Water Resources

Capital Improvement Plan

											Inflation Rate		2.00%
PROJECT DESCRIPTION	PROJECT #	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<i>Funding Provided by Water Resources Fund</i>													
Juneau Lane from Hampton Hills to 59th Avenue	ST-20-0001	0	0	0	0	0	0	0	100,000	0	0	100,000	
CR 9 at TH 169 Bridge Replacement	ST-20-0002	^ 25,000	0	0	0	0	0	0	0	0	0	25,000	
36th Ave from Pilgrim Ln to TH 169	ST-20-0003	0	0	300,000	0	0	0	0	0	0	0	300,000	
2023 City Center Pavement Rehabilitation	ST-23-0001	500,000	0	0	0	0	0	0	0	0	0	500,000	
Lancaster & Pilgrim Intersection and Stormwater Improvements	ST-23-0005	500,000	0	0	0	0	0	0	0	0	0	500,000	
Plymouth Blvd Rehabilitation	ST-24-0003	0	350,000	0	0	0	0	0	0	0	0	350,000	
Annual Street Reconstruction	ST-XX-9001	100,000	^ 700,000	^ 721,000	^ 756,000	^ 789,000	^ 789,000	^ 813,000	^ 864,000	^ 890,000	^ 890,000	7,312,000	
Mill & Overlay Projects	ST-XX-9002	35,000	30,000	* 40,000	* 40,000	* 40,000	* 40,000	* 50,000	* 50,000	* 50,000	* 50,000	425,000	
Full Depth Reclamation (FDR) Project	ST-XX-9005	75,000	75,000	* 150,000	* 150,000	* 150,000	* 200,000	* 200,000	* 200,000	* 250,000	* 250,000	1,700,000	
Chelsea Woods Drainage - Weston Ln. to CR 6	WR-15-0004	500,000	0	0	0	0	0	0	0	0	0	500,000	
Weston Lane Storm Sewer Lift Station Rehab.	WR-16-0001	50,000	0	0	0	0	0	0	0	0	0	50,000	
19th Avenue/Dunkirk Lane Pond Improvement	WR-19-0001	50,000	250,000	0	0	0	0	0	0	0	0	300,000	
Maple Creek Stream Restoration	WR-20-0001	350,000	0	0	0	0	0	0	0	0	0	350,000	
Courts/Fields of Nantarre Drainage Improvement	WR-20-0006	100,000	0	0	0	0	0	0	0	0	0	100,000	
Ponderosa Woods Stream Restoration	WR-21-0003	75,000	0	0	0	0	0	0	0	0	0	75,000	
Parkers Lake Chloride Reduction Project	WR-21-0006	50,000	0	0	0	0	0	0	0	0	0	50,000	
Bass Lake Estates 2nd Addition Stream Restoration	WR-22-0001	55,000	0	^ 250,000	0	0	0	0	0	0	0	305,000	
Storm Sewer Outfall Repair Projects	WR-22-0003	600,000	100,000	^ 820,000	0	0	0	0	0	0	0	1,520,000	
Four Seasons Mall Water Quality Improvements	WR-22-0004	700,000	^ 70,000	0	0	0	0	0	0	0	0	770,000	
Plymouth Creek Bank Repairs	WR-22-0005	100,000	0	0	0	0	0	0	0	0	0	100,000	
West Medicine Lake Pond Maintenance	WR-25-0002	0	0	500,000	0	0	0	0	0	0	0	500,000	
Maintain Water Quality Ponds	WR-XX-	150,000	150,000	150,000	200,000	200,000	200,000	250,000	250,000	250,000	300,000	2,100,000	
Unspecified Drainage Improvement	WR-XX-	0	100,000	200,000	200,000	200,000	200,000	200,000	300,000	300,000	300,000	2,000,000	
BCWMC Water Quality, Channel, and Basin Improvements	WR-XX-9003	0	0	0	75,000	0	75,000	0	75,000	0	0	225,000	
Future Water Quality Improvement Projects	WR-XX-	0	0	0	1,000,000	1,250,000	1,250,000	1,250,000	1,250,000	1,250,000	1,500,000	8,750,000	
Future Lift Station Improvements	WR-XX-	0	0	0	0	0	0	0	280,000	180,000	320,000	780,000	
Future Project Contingency				1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000		
Total Water Resources Fund		4,015,000	1,825,000	4,131,000	3,421,000	3,629,000	3,754,000	3,763,000	4,369,000	4,170,000	4,610,000		
Inflated Total				4,297,892	3,630,393	3,928,146	4,144,719	4,237,749	5,018,608	4,885,820	5,509,377		
* Changes since 2023 CIP to be updated in 2025													
^ Changes in 2024 Amendment													

Street Reconstruction Updated Capital

		Year Identified	2024	2025	2026	2027	2028	2029	2030	2031	2032	2024-2032 Total
Street Reconstruction Fund												
ST-17-0002	Hamel Road Frontage Road Connection	2016	120,000	870,000	0	0	0	0	0	0	0	990,000
ST-20-0001	Juneau Lane from Hampton Hills to 59th Avenue	2016	0	0	0	0	0	500,000	1,780,000	0	0	2,280,000
ST-23-0003	Station 73 Transit Regional Improvement Project (TRIP)	2022	750,000	0	0	0	0	0	0	0	0	750,000
ST-23-0004	Hwy 55 Pavement Preservation Project	2022	330,000	0	0	0	0	0	0	0	0	330,000
ST-24-0002	Chankahda Trail Reconstruction - Phase 3 (Vicksburg to CR 61)	2022	500,000	6,000,000	0	0	0	0	0	0	0	6,500,000
ST-24-0003	Plymouth Blvd Rehabilitation	2023	4,830,000	1,500,000	0	0	0	0	0	0	0	6,330,000
ST-25-0002	36th Ave Rehabilitation	2021	1,500,000	2,000,000	1,000,000	0	0	0	0	0	0	4,500,000
ST-26-0003	Peony Lane Bridge over CP Rail Improvements	2023	0	200,000	750,000	0	0	0	0	0	0	950,000
ST-XX-9001	Annual Street Reconstruction	2012	3,040,000	2,659,000	3,197,000	1,784,000	4,736,000	3,337,000	5,112,000	3,286,000	4,310,000	31,461,000
ST-XX-9002	Mill & Overlay Projects	2005	2,070,000	1,620,000	1,330,000	1,140,000	1,040,000	875,000	875,000	1,175,000	1,875,000	12,000,000
ST-XX-9003	Replace Retaining Walls	2005	100,000	115,000	115,000	115,000	115,000	115,000	130,000	130,000	130,000	1,065,000
ST-XX-9005	Full Depth Reclamation (FDR) Project	2019	0	0	1,240,000	540,000	0	1,090,000	1,090,000	1,230,000	1,230,000	6,420,000
ST-XX-9006	Traffic Signal Improvements	2020	50,000	0	50,000	0	0	50,000	0	0	0	150,000
ST-XX-9007	Concrete Sidewalk Replacement	2007	0	0	300,000	0	0	75,000	75,000	75,000	0	525,000
Total: Street Reconstruction Fund			\$13,290,000	\$14,964,000	\$7,982,000	\$3,579,000	\$5,891,000	\$6,042,000	\$9,062,000	\$5,896,000	\$7,545,000	\$74,251,000