

2023 Program Summary

Toronto Water

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Description

Toronto Water manages one of the largest water, wastewater and stormwater systems in North America, 24 hours a day, seven days a week.

Toronto Water's services ensure that over 3.6 million residents and businesses in Toronto, and portions of York and Peel have access to safe drinking water, safely treated wastewater and stormwater management.

Why We Do It

Drinking water is delivered to people (residents, businesses, visitors and the Industrial, Commercial, Institutional sector in Toronto and York Region) in a safe and reliable manner to protect public health.

Wastewater is collected from people (residents, businesses and the Industrial, Commercial, Institutional sector in Toronto and Peel Region) and treated in a safe and environmentally sustainable way to protect public health.

Stormwater (rain and melted snow) is collected or diverted to help prevent the risk of property flooding, control erosion and improve water quality to protect public health and Toronto's waterways.

The City of Toronto aims to deliver these outcomes equitably, efficiently and with excellent customer service to help improve the lives of Torontonians and work to earn their trust and confidence.

What Service We Provide

Water Treatment & Supply

Who We Serve: Water account holders and water consumers.

What We Deliver: Supply +435 billion litres annually of safe potable water. Continuous distribution of potable water through +6,100 km of watermains and City-owned water services.

How Much Resources (gross 2023 operating budget): \$200.3 million

Wastewater Collection & Treatment

Who We Serve: Wastewater account holders, wastewater producers, public & private landowners.

What We Deliver: Return to Lake Ontario +400 billion litres annually of treated wastewater. Continuous conveyance of wastewater through +5,600 km of sewers.

How Much Resources (gross 2023 operating budget): \$240.4 million

Stormwater Management

Who We Serve: Public and private landowners.

What We Deliver: Continuous conveyance of stormwater (rainwater and melted snow) through +4,900km of storm sewers.

How Much Resources (gross 2023 operating budget): \$45.3 million

Budget at a Glance

2023 OPERATING BUDGET

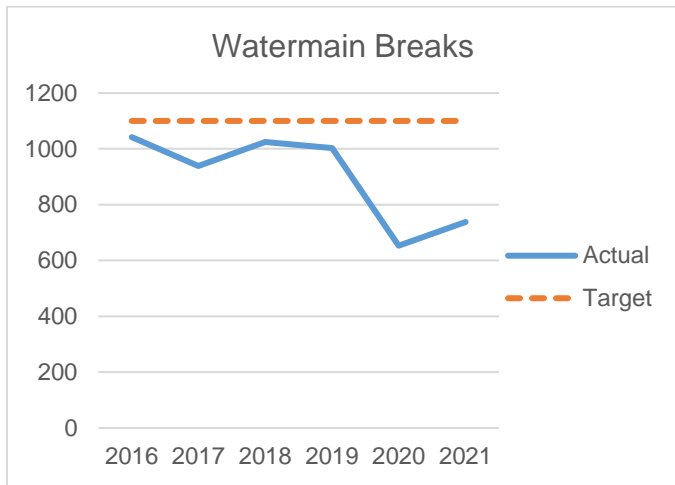
<u>\$Billion</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
Revenues	\$1.485	\$1.517	\$1.553
Gross Expenditures	\$0.486	\$0.503	\$0.513
Capital Contribution	\$0.999	\$1.014	\$1.039
Approved Positions	1,911.3	1,925.3	1,926.3

2023 - 2032 10-YEAR CAPITAL PLAN

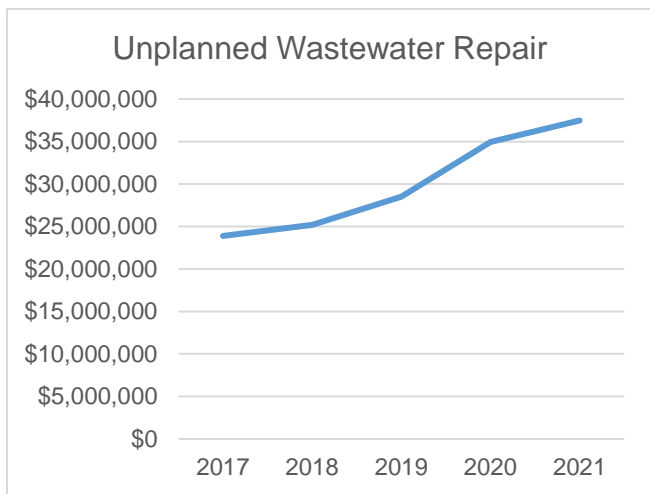
<u>\$Billion</u>	<u>2023</u>	<u>2024-2032</u>	<u>Total</u>
Gross Expenditures	\$1.383	\$14.157	\$15.540
Debt	\$0.000	\$0.000	\$0.000

Note: Includes 2022 carry forward funding

How Well We Are Doing – Behind the Numbers



- Toronto Water has made significant, consistent capital investments in water infrastructure replacement and renewal activities (cathodic protection and structural lining). These projects have contributed to the gradual decline in watermain breaks, improved service reliability and reducing unplanned maintenance and repairs and disruptions to the community.
- Inclement weather (extreme cold or temperature fluctuations) is the leading cause of watermain breaks followed by excavation activities, corrosive soils and ground settling.
- The 2023-2032 Capital Budget includes a \$1.698 billion investment into the water distribution network for replacement and renewal. The 2023 annual investment is \$188 million.



- Toronto Water is increasing its 10-Year capital investment in wastewater infrastructure replacement and renewal to mitigate an increase in expenditures associated with emergency wastewater repairs. These proactive capital investments will decrease costly emergency repairs and protects private property, public health, and the environment.
- Deterioration due to age and environmental conditions (such as soil type) are leading causes of wastewater main collapse.
- The 2023-2032 Budget allocates a \$1.765 billion investment to maintain the wastewater collection network in a state of good repair. The-2023 capital investment is \$124 million for replacement and renewal.

How Well We Are Doing (*2022 Projection to 2022 Target Comparison: ● 80% - 100%; ● 64 - 79%; ● 63% and under)

Service	Measure	2020 Actual	2021 Actual	2022 Target	2022 Projection	*Status	2023 Target	2024 Target
Outcome Measures								
Water Treatment & Supply	Watermain Breaks per 100 km of Water Distribution Pipe	11 per 100km	12 per 100km	22 per 100km	22 per 100km	●	22 per 100km	22 per 100km
Water Treatment & Supply	Drinking Water Non-Compliance	1	2	0	0	●	0	0
Water Treatment & Supply	Percent Time Operating Within 276 kPA to 793 kPA Requirements	99.1%	99.5%	99.5%	99.5%	●	99.5%	99.5%
Wastewater Collection & Treatment	Non-Compliance Events Wastewater Treatment)	0	3	0	0	●	0	0
Wastewater Collection & Treatment	Mainline Backups per 100 KM of Pipe	3	3	4	4	●	4	4
Stormwater Management	ML of Dedicated (designed) Stormwater Storage Capacity	1,248 ML	1,248 ML	1,248 ML	1,254 ML	●	1,248 ML	1,248 ML
Service Level Measures								
Water Treatment & Supply	Water Treatment Non-Compliance Events	1	2	0	0	●	0	0
Water Treatment & Supply	Target Pressure Limits (Pressure Maintenance)	99.1%	99.5%	99.5%	99.5%	●	99.5%	99.5%
Wastewater Collection & Treatment	Pumping Station Outages	0	0	0	0	●	0	0

Wastewater Collection & Treatment	Wastewater Treatment Non-Compliance Events	0	3	0		●	0	0
Stormwater Management	Number stormwater ponds inspected/maintained	1,080	1,152	990		●	990	990
Water Treatment & Supply	Electrical kWh per ML of Water Pumped	309 kWh per ML	321 kWh per ML	330 kWh per ML		●	330 kWh per ML	330 kWh per ML
Wastewater Collection & Treatment	Percent Biosolids Beneficially Used (ABTB)	100%	100%	100%		●	100%	100%
Stormwater Management	Water Course Inlet/Outlet Inspections	6,175	4,680	3,000		●	3,000	3,000

COVID 19 IMPACT AND RECOVERY

2023 Impact and Recovery

- Operating Budget Impact**
 Continued costs for health and safety supplies and protocols are included in the 2023 Operating Budget.

- Service Level Changes**
 Toronto Water continues to provide safe drinking water; safe collection and treatment of wastewater; and stormwater management during the global pandemic. There is no impact to service levels as a result of COVID-19.

EXPERIENCES, CHALLENGES AND PRIORITIES

Our Experience and Successes



- Continued long-term investment in the Don River and Central Waterfront projects, which are actively underway.
 - Phase 1, the Coxwell Bypass Tunnel, at 10.5km long and 6.3m in diameter, will intercept combined sewer overflows and stormwater discharges from 23 sewer outfalls improving beach, river and lake water quality. As of October 2022, the \$404 million Coxwell Bypass Tunnel (stage one) construction is approximately 80 per cent complete.
- Invested over \$157 million in critical upgrades to the Ashbridges Bay Wastewater Treatment Plant (ABTP), which serves over 1.5 million people.
 - The ABTP outfall is being built to improve capacity and better convey and disperse fully treated wastewater to Lake Ontario. As of October 2022, the \$269 million Ashbridges Bay Treatment Plant Outfall construction is approximately 75 per cent complete.
 - The new ABTP UV Disinfection Wastewater Treatment Facility will provide reliable disinfection as part of the full wastewater treatment process without the use of chemicals. As of October 2022, the \$213 million ABTP UV Disinfection construction is approximately 81 per cent complete.
- Invested over \$18 million in upgrades to aging water reservoirs/water pumping stations to ensure safe, reliable storage and distribution of drinking water.
- Toronto Water's infrastructure is aging with an accumulated state-of-good-repair (SOGR) backlog estimated at \$1.592 billion by the end of 2022, with 43 per cent related to a facilities backlog and 57 per cent accounting for aging linear watermain and sewer infrastructure.
- Toronto Water Customer Care Centre is the central point from which all customer contacts are managed for Toronto Water. This includes managing high call volumes during emergencies, such as complex and lengthy severe weather incidents. Through various channels, the Customer Care Centre managed approximately 208,503 interactions from January 1 – November 1 2022.
- Financial pressures resulted from market volatility, supply chain disruptions and inflation saw Toronto Water take mitigating measures to limit impacts. This includes monitoring cost escalations and tender values and reviewing and reprioritizing the 10-Year Capital Plan.

Key Challenges and Risks

- **Capital construction costs:** Cost escalations have been caused by high rates of inflation, global supply chain issues, market volatility, and specialized contract services. Year-over-year increases in tender costs across Toronto Water projects have impacted capital affordability and required reprioritization of planned capital work necessary to address infrastructure needs.
- **Adequate reserve balances to fund state-of-good-repair program:** Rising costs for capital construction projects forecasted over the 10-Year program would have depleted reserve balances. To maintain a positive reserve balance, certain projects had to be deferred.
- **Adequate capacity to deliver on capital commitments:** Significant increases in operational costs and continued staffing constraints (both within Toronto Water and other divisions), are impacting the ability to deliver on capital commitments.
- **Operating costs are increasing and remain unpredictable:** Cost escalations caused by inflation, supply chain issues, market volatility and labour market challenges are resulting in abnormally high increases in expenditures in multiple areas (commodities, materials, chemicals, etc.). A significant portion of the operational budget are expenditures that are highly susceptible to market fluctuations. Future in-year, unexpected cost increases are possible.
 - Chemical costs have been a particular challenge for Toronto Water due to their critical role in ensuring regulatory compliance with drinking water and wastewater treatment requirements. Chemical costs have been rising due to a number of global market and supply chain pressures, and increases range from 14.4 to 189 per cent higher than the usual budgeted amount. It is anticipated this will be a continued challenge in 2023.

Priority Actions

- **Resiliency:** Continue to invest billions in projects to protect the environment and water quality including investment of \$2.1 billion in the Basement Flooding Protection Program and \$1.3 billion over 10 years to continue to implement the Don River and Central Waterfront project.
 - **Growth:** Manage pressure on linear infrastructure in growth areas, and ensure investment aligns with planned growth, as well as any impacts arising from the City's review of newly enacted provincial legislative and regulatory changes.
 - **Workforce Strategies:** Prioritize recruitment and retention strategies, focussing on harder to fill positions that are critical to Toronto Water's operations. Ensure a diverse, inclusive and healthy workforce with the capacity to deliver on capital commitments while maintaining excellent service standards.
 - **Technology Investment and Modernization:** Provide support and resources to maintain technology and facilitate further strategic modernization investments and improvements to continue strengthening system cybersecurity and improve customer response time and quality.
 - **State-of-Good-Repair (SOGR):** Reprioritized this year's 10-Year Plan and ensured SOGR projects continue to be a priority in capital planning to reduce the backlog to \$492 million by 2032.
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RECOMMENDATIONS

City Council adopted the following recommendations:

1. The 2023 Operating Budget for Toronto Water of \$486.040 million gross, \$1,485.410 million revenue and \$999.370 million net for the following services:

Service:

	Gross Expenditures (\$000s)	Revenue (\$000s)	Capital from Current Contribution (\$000s)
Water Treatment & Supply	200,283.6	650,023.9	449,740.3
Wastewater Collection & Treatment	240,407.7	823,267.3	582,859.6
Stormwater Management	45,349.0	12,119.1	-33,229.9
Total Program Budget	486,040.3	1,485,410.3	999,370.0

- The above includes a 2023 budgeted staff complement for Toronto Water of 1,911.3 positions comprised of 136.0 capital positions and 1,775.3 operating positions.
2. The 2023 Capital Budget for Toronto Water with cash flows and future year commitments totaling \$8,521.664 million as detailed by project in [Appendix 6a](#).
 3. The 2024-2032 Capital Plan for Toronto Water totalling \$7,018.407 million in project estimates as detailed by project in [Appendix 6b](#).
 4. That all sub-projects with third-party financing be approved conditionally, subject to the receipt of such financing in 2023. If such funding is not forthcoming, their priority and funding will be reassessed by City Council relative to other City-financed priorities and needs.

2023 OPERATING BUDGET

2023 OPERATING BUDGET OVERVIEW

Table 1: 2023 Operating Budget by Service

(In \$000s)	2021 Actual	2022 Budget	2022 Projection*	2023 Base Budget	2023 New / Enhanced	2023 Budget	Change v. 2022 Projection	
By Service	\$	\$	\$	\$	\$	\$	\$	%
Revenues								
Water Treatment & Supply	608,941.5	632,947.6	642,506.1	650,023.9		650,023.9	7,517.8	1.2%
Wastewater Collection & Treatment	766,786.9	803,259.4	808,669.6	823,267.3		823,267.3	14,597.7	1.8%
Stormwater Management	7,523.7	10,874.6	8,695.9	12,119.1		12,119.1	3,423.2	39.4%
Total Revenues	1,383,252.1	1,447,081.6	1,459,871.6	1,485,410.3		1,485,410.3	25,538.7	1.7%
Expenditures								
Water Treatment & Supply	191,180.1	196,749.6	188,969.4	200,283.6		200,283.6	11,314.2	6.0%
Wastewater Collection & Treatment	202,072.2	230,928.4	220,829.4	240,407.7		240,407.7	19,578.3	8.9%
Stormwater Management	35,516.9	43,610.7	40,659.2	45,349.0		45,349.0	4,689.9	11.5%
Sub-Total - Gross Expenditures	428,769.2	471,288.8	450,457.9	486,040.3		486,040.3	35,582.4	7.9%
Capital Budget Contribution	946,512.3	975,792.8	975,792.8	999,370.0		999,370.0	23,577.2	2.4%
Surplus	7,970.6		33,620.8				(33,620.8)	(100.0%)
Total Capital Contribution	954,482.9	975,792.8	1,009,413.6	999,370.0		999,370.0	(10,043.7)	(1.0%)
Total Gross Expenditures	1,383,252.1	1,447,081.6	1,459,871.6	1,485,410.3		1,485,410.3	25,538.7	N/A
Approved Positions**	1,841.3	1,884.3	N/A	1,911.3		1,911.3	N/A	N/A

*Projection based on 9 Month Variance

**YoY comparison based on approved positions

KEY COST DRIVERS – FUNDING PRIORITIES

Total 2023 Budget gross expenditures of \$486.040 million reflect an increase of \$35.582 million in spending above 2022 projected year-end actuals. This increase is predominantly from the result of:

- Salaries and benefit increases due to cost of living adjustments and filled vacancies in 2023, as Toronto Water continues to implement its hiring strategies and prioritize recruitment of critical positions required for capital delivery and delivery of other essential programs.
- Inflationary increases for utilities, chemicals, materials, and contract services caused by general inflation and global market supply conditions.
- Operating costs for salaries and benefits including 27 net new positions, primarily arising from the completion of capital projects to operate new facilities and infrastructure, and the delivery of ongoing capital projects, as well as the implementation of Bill 109, the More Homes for Everyone, 2022.

Above pressures are partially offset by base expenditure savings arising from a line by line review, other operational efficiency savings, higher revenues from sale of water to Region of York, and other revenue.

The 2023 Operating Budget includes a 3 percent rate increase, effective January 1, 2023. Approximately 67 per cent of Toronto Water's 2023 Operating Budget will go towards the annual capital reserve contribution to fund the 10-Year Capital Plan, representing a 2.4 per cent increase from the 2022 approved contribution.

EQUITY IMPACTS OF BUDGET CHANGES

No significant equity impacts: The changes in Toronto Water's 2023 Operating Budget do not have any significant equity impacts.

2023 OPERATING BUDGET KEY DRIVERS

Total 2023 Operating Budget gross expenditures of \$486.040 million reflect an increase of \$35.582 million or 7.9 per cent in spending above 2022 projected year-end actuals. Table 2 below summarizes the key cost drivers for the 2023 Operating Budget.

Table 2: 2023 Operating Budget by Revenue / Expenditure Category

Category (In \$000s)	2020	2021	2022	2022	2023	2023 Change from 2022	
	Actual	Actual	Budget	Projection*	Budget	Projection	%
	\$	\$	\$	\$	\$	\$	%
Sale of Water and Other Revenues	1,349,418.9	1,301,792.3	1,368,886.5	1,387,877.8	1,402,540.0	14,662.1	1.1%
User Fees	70,623.8	64,552.1	63,075.2	57,580.4	63,812.9	6,232.6	10.8%
Transfers From Capital	9,084.5	9,773.0	10,432.2	9,870.8	12,194.9	2,324.2	23.5%
Contribution From Reserves/Reserve Funds	7,182.0	6,814.3	4,351.0	4,351.0	2,250.7	(2,100.4)	(48.3%)
Provincial Funding					4,258.7	4,258.7	
Inter-Divisional Recoveries	316.3	320.4	336.5	191.6	353.0	161.4	84.3%
Total Revenues	1,436,625.4	1,383,252.1	1,447,081.6	1,459,871.6	1,485,410.3	25,538.7	1.7%
Salaries and Benefits	180,819.3	175,643.7	190,880.4	180,780.4	196,610.5	15,830.1	8.8%
Materials & Supplies	96,504.4	95,508.4	105,281.9	106,130.6	114,824.4	8,693.7	8.2%
Equipment	2,199.2	1,818.0	2,687.5	2,163.4	2,911.4	748.0	34.6%
Service and Rent	66,746.3	62,788.4	75,197.4	65,897.6	74,860.7	8,963.1	13.6%
Contribution To Reserves/Reserve Funds	10,706.3	10,690.2	12,397.8	12,397.8	11,985.5	(412.2)	(3.3%)
Other Expenditures	24,917.7	17,306.0	18,179.3	19,204.7	18,749.0	(455.7)	(2.4%)
Inter-Divisional Charges	65,326.0	65,014.6	66,664.4	63,883.4	66,098.7	2,215.3	3.5%
Total Gross Expenditures	447,219.0	428,769.2	471,288.8	450,457.9	486,040.3	35,582.4	7.9%
Capital Contribution	919,889.8	946,512.3	975,792.8	975,792.8	999,370.0	23,577.2	2.4%
Surplus	69,516.6	7,970.6		33,620.8		(33,620.8)	(100.0%)
Capital Contribution	989,406.3	954,482.9	975,792.8	1,009,413.6	999,370.0	(10,043.7)	(1.0%)

* Projection based on 9 Month Variance

Key Base Drivers:**Salaries & Benefits:**

Includes increases due to cost of living adjustments and anticipated positions to be filled in 2023. In addition, the increase includes 4 positions to operate new facilities and infrastructure, 10 positions to deliver capital projects, 2 positions to support the increasing volume and complexity of development applications, 15 positions for the implementation of Bill 109, the More Homes for Everyone, 2022, and a reduction of 4 dedicated transit positions linked to decreasing work volume on the Eglinton Crosstown. This leaves an addition of 27 net new positions to Toronto Water's complement.

Materials and Supplies:

Includes hydro, natural gas, and chemical inflationary increases higher than general Consumer Price Index (CPI), global market supply pressures and inflationary increases on existing materials contracts. This is partially offset by ongoing hydro efficiencies. The 2023 budget also includes provisions for contingencies and estimates based on fluctuating weather conditions.

Services and Rents:

Includes inflationary increases on existing contracted services. The 2023 budget also includes provisions for contingencies based on emergency or unplanned events (e.g. weather-related impacts to services).

Contributions to Capital:

Approximately 67 per cent of the 2023 Operating Budget will go towards the capital reserve contribution to fund the 10-Year Capital Plan.

Other Revenue Changes:

Includes rate increase of 3 per cent on sale of water, user fee inflationary rate increases, anticipated volume changes and new one-time funding from the Ministry of the Environment, Conservation and Parks linked to improving wastewater and stormwater discharges in Lake Ontario.

Offsets and Efficiencies:

The **2023 Operating Budget** includes reductions attributed to:

Line-by-Line: A reduction in base expenditures in materials, supplies and other non-salary costs contributed to Toronto Water's efforts to manage continuous internal and external cost increases.

Efficiencies: Ongoing hydro savings and efficiencies achieved through implementation of various utility conservation oriented initiatives. Toronto Water has also utilized technology to improve efficiency in contract administration and estimates, contributing to savings in contracted service costs.

Note:

1. For additional information on 2023 key cost drivers refer to [Appendix 2](#) for a summary of Affordability Measures.

2024 & 2025 OUTLOOKS**Table 3: 2024 and 2025 Outlooks**

(\$000s)	2023 Budget	2024 Incremental Outlook	2025 Incremental Outlook
Revenues			
Sale of Water		33,699.0	34,134.9
User Fees Inflation		1,218.0	1,271.1
Other Revenue Changes		(3,014.9)	10.7
Total Revenues	1,485,410.3	31,902.1	35,416.7
Gross Expenditures			
Salaries and Benefits Inflationary Impacts		7,859.8	303.1
Non-Salary Inflationary Impacts		7,370.2	7,302.4
Operating Impacts to Capital		1,783.6	1,982.3
Other Expenditures		382.6	374.5
Total Gross Expenditures	486,040.3	17,396.2	9,962.3
Capital Contribution	999,370.0	14,505.9	25,454.4
Approved Positions	1,911.3	1,925.3	1,926.3

Key drivers

The 2024 Outlook of \$503.437 million in total gross expenditures reflects an anticipated \$17.396 million or 3.6 per cent increase above the 2023 Operating Budget. The 2025 Outlook expects a further increase of \$9.962 million or 2.0 per cent above 2024 gross expenditures. These changes arise from the following:

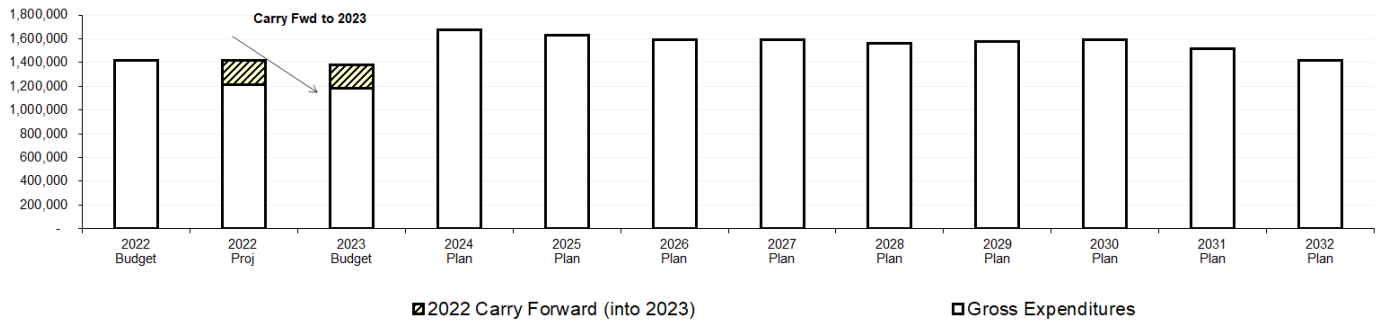
- Inflationary increases for salaries and benefits and annualized impact of 2023 added positions.
- Anticipated inflationary increases for utilities, chemicals, other materials and supplies, contracted services, contributions to Toronto and Region Conservation Authority and payment in lieu of taxes.
- Operating impacts of capital projects, including an anticipated 14 (2024) and 1 (2025) additional positions primarily required to operate new facilities and infrastructure and deliver capital projects.

Revenues are expected to increase as a result of anticipated 3 per cent water rate increases in both 2024 and 2025.

2023 – 2032 CAPITAL BUDGET AND PLAN

2023 2032 CAPITAL BUDGET & PLAN OVERVIEW

Chart 1: 10-Year Capital Plan Overview



In \$000's	2023 Capital Budget and 2024 - 2032 Capital Plan												Total 10 Year Plan
	2022		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
	Budget	Projected Actual											
Gross Expenditures by Project Category:													
Health & Safety & Legislated	166,690	127,752	142,051	139,116	90,868	81,148	66,038	50,367	49,306	54,197	56,748	51,876	781,715
SOGR	679,633	538,736	672,293	814,000	860,461	841,835	814,027	806,034	754,331	712,911	711,738	644,045	7,631,675
Service Improvement & Growth	571,509	423,825	568,850	722,745	679,442	666,074	713,834	702,974	775,362	824,492	747,475	725,433	7,126,681
Total by Project Category	1,417,832	1,090,313	1,383,194	1,675,861	1,630,771	1,589,057	1,593,899	1,559,375	1,578,999	1,591,600	1,515,961	1,421,354	15,540,071
Financing:													
Reserves/Reserve Funds	1,275,097	-	1,237,343	1,456,795	1,505,064	1,465,802	1,457,496	1,432,467	1,447,662	1,471,045	1,412,648	1,326,651	14,212,973
Development Charges	125,757	-	118,078	174,415	104,664	112,943	121,832	113,966	116,329	108,251	95,853	88,615	1,154,946
Region of York & Other Revenue	2,902	-	2,697	8,279	4,088	6,494	7,281	12,942	15,008	12,304	7,460	6,088	82,641
Disaster Mitigation & Adaptation Fund (DMAF)	14,076	-	25,076	36,372	16,955	3,818	7,290	-	-	-	-	-	89,511
Total Financing	1,417,832	-	1,383,194	1,675,861	1,630,771	1,589,057	1,593,899	1,559,375	1,578,999	1,591,600	1,515,961	1,421,354	15,540,071

*2022 Projection based on Q3 Variance Report.






Changes to Existing Projects	New Projects	Capital Needs Constraints
<p>The 2023-2032 Capital Budget and Plan reflects the following changes to existing projects over the nine common years (2023-2031):</p> <ul style="list-style-type: none"> Increased funding of \$476.657 million to support Wastewater Treatment Plants infrastructure. Increased funding of \$19.109 million to support linear infrastructure renewal and upgrades. Deferred funding of \$78.117 million for the Basement Flooding Protection Program, based on revised project schedules and priorities. Decreased funding of \$293.535 million for the multi-decade Wet Weather Flow program, based on multiple revised project schedules and priorities (including deferrals). 	<p>The 2023-2032 Capital Budget and Plan includes new projects. Key projects are as follows:</p> <ul style="list-style-type: none"> \$7.632 billion investment for state-of-good-repair (SOGR) projects, including replacement or rehabilitation of aging watermain and sewers, and investment in aging water and wastewater facilities. \$5.138 billion for projects to improve services including \$2.108 billion in Basement Flooding Protection Program projects, and \$2.182 billion in stormwater projects, which includes supporting the Don River and Central Waterfront project. \$1.989 billion for projects that support the City's growth. \$782 million for compliance projects related to legislative and health and safety requirements. 	<p>Due to financial pressures resulting from local and global economic circumstances, Toronto Water has undertaken a reprioritization of works across the 10-Year plan as follows:</p> <ul style="list-style-type: none"> focus on allocating funding to address the highest priority infrastructure needs. consider the capacity to deliver on these projects. <p>As a result, the implementation of several projects have been deferred. While Toronto Water has not identified any unmet needs over the 10-Year planning horizon, projects have been delayed to start or be completed beyond that 10 year planning horizon.</p>

Note:

For additional information, refer to [Appendix 6](#) for a more detailed listing of the 2023 and 2024-2032 Capital Budget & Plan by project; [Appendix 7](#) for Reporting on Major Capital Projects – Status Update; [Appendix 8](#) for Capacity to Spend Review; and [Appendix 9](#) for Capital Needs Constraints, respectively.

2023 – 2032 CAPITAL BUDGET AND PLAN

\$15.5 Billion 10-Year Gross Capital Program

				
Plant & Facilities	Underground Infrastructure	Stormwater Management	Basement Flooding Protection Program	Engineering, Yard & Network Improvements
\$4.391B 28%	\$5.852B 38%	\$2.182B 14%	\$2.108B 14%	\$1.007B 6%
Water Filtration Plants; Wastewater Treatment Plants; Pumping Stations; and Storage & Reservoirs <input checked="" type="checkbox"/>	Watermain and Sewer Replacement/Rehabilitation; Water Service Replacement; and New Connections <input checked="" type="checkbox"/>	Wet Weather Flow Projects (end of pipe, infrastructure erosion protection); Don River & Central Waterfront <input checked="" type="checkbox"/>	Engineering Studies; Implementation Basement Flooding Protection; Subsidy Program <input checked="" type="checkbox"/>	Engineering Support; Business & Technology; Yards & buildings; Water Efficiency & Metering <input checked="" type="checkbox"/>

- Project supports Climate Resiliency and / or Greenhouse Gas (GHG) Reduction*

*Information above includes full project / sub-project 2023-2032 Budget and Plan cash flows. Does not break out the climate component costs separately

- Toronto Water has successfully delivered on its capital commitments for several years, including delivering over \$1.1 billion of capital in 2021.
- Local and global economic circumstances have resulted in high inflation rates with rising costs of equipment and materials, supply chain issues, and staffing resource constraints, all of which have impacted capital delivery. In 2022, as of the third quarter, the projected year-end spending rate is below the target of 85 per cent, at 76.9 per cent.
- The above noted cost escalations resulted in an unbalanced 10-Year Capital Plan and a drawdown of reserves below zero. To maintain healthy capital reserves, the 10-Year Capital Plan was reviewed and updated to ensure funding for Toronto Water’s highest priority infrastructure needs. As a result, the implementation of several projects have been deferred, with over \$700 million in funding deferred into the post-2032 period.
- The 2023 Capital Plan has been reduced by \$346 million from what was proposed in the 2022 approved Capital Plan to address deliverability constraints. Approximately 56 per cent of the 2023 cash flow will support the continued delivery of awarded or ongoing projects.

How the Capital Program is Funded

City of Toronto		Provincial Funding	Federal Funding	
\$15,450.6 M 99.4%		\$0.0 M 0.0%	\$89.5 M 0.6%	
Reserve Draws	\$ 14,213.0 M		Disaster Mitigation and Adaptation Fund	\$ 89.5 M
Development Charges	\$ 1,155.0 M			
Region of York and Other**	\$ 82.6 M			

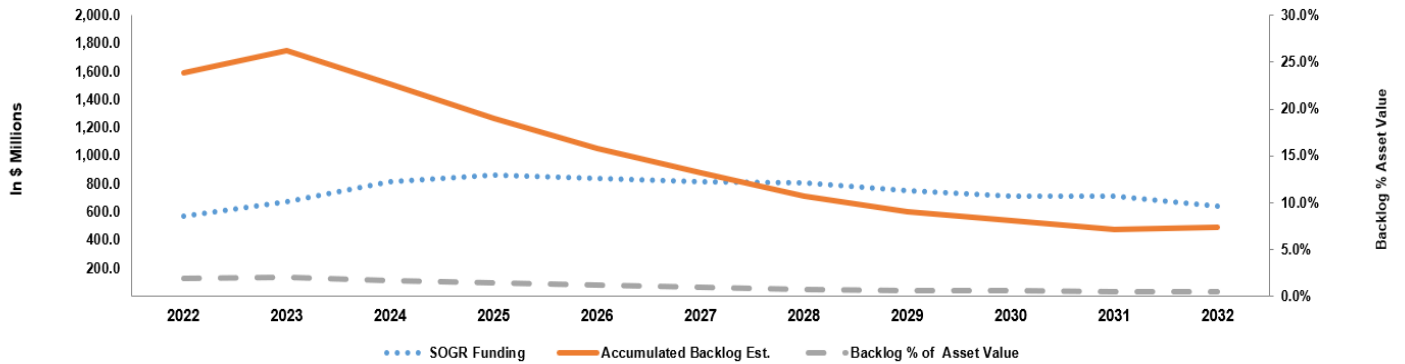
*Bill 23 impacts City's ability to recover the costs associated with growth-related infrastructure projects and to support complete higher density communities across Toronto. Adjustments to Development Charges revenue forecast resulting in negative reserve balances are reflected in [Appendix 10](#).

** Toronto Water's 10-Year Capital Plan includes forecasted funding of \$77 million for the expected Toronto Region & Conservation Authority (TRCA) Watercourse Erosion Control project, to be spent between 2024 and 2032. It is assumed that approximately 67 per cent (\$51.6 million) will be funded by other orders of government. The funding has yet to be secured.

STATE OF GOOD REPAIR (SOGR) FUNDING & BACKLOG

The chart below depicts the SOGR funding and accumulated backlog estimates for key asset classes in Toronto Water (linear infrastructure and facilities).

Chart 2: Total SOGR Funding & Backlog



\$ Millions	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
SOGR Funding	573.0	672.3	814.0	860.5	841.8	814.0	806.0	754.3	712.9	711.7	644.0
Accumulated Backlog	1,591.8	1,747.6	1,513.3	1,265.0	1,055.5	878.6	711.6	600.0	536.1	478.3	492.3
Backlog % of Asset	1.9%	2.0%	1.7%	1.4%	1.2%	1.0%	0.8%	0.7%	0.6%	0.5%	0.5%
Total Asset Value	83,276.1	87,303.0	87,680.3	88,444.4	88,953.7	89,542.3	89,999.8	90,528.0	90,685.8	90,953.4	91,267.7

* 2022 SOGR funding is based on recent estimates

- Toronto Water’s infrastructure is aging with an accumulated SOGR backlog estimated at \$1.592 billion by the end of 2022, which includes both linear (watermains and sewers) and facility/plant infrastructure (water treatment plants, wastewater treatment plants, pumping stations). This represents 1.9 per cent of the total replacement value of Toronto Water’s assets (estimated to be \$83.276 billion at end of 2022).
- The 2023-2032 Budget and Capital Plan allocates a total of \$7.632 billion over 10 years, including \$672.293 million in 2023 (or 48.6 per cent) to address the renewal needs of Toronto Water’s aging infrastructure. This significant investment ensures continued and reliable service to residents, businesses and visitors, reduces the SOGR backlog to \$492 million by 2032.
- Approximately 57 per cent, or \$906.676 million, of Toronto Water’s infrastructure backlog is associated with aging linear watermain and sewer infrastructure. The 2023-2032 Budget and Capital Plan allocates a total of \$4.657 billion to address deteriorated linear infrastructure.
- Approximately 43 per cent or \$685.121 million of Toronto Water’s infrastructure backlog is associated with the facilities backlog. The 2023-2032 Capital Budget and Plan allocates a further \$2.975 billion for infrastructure renewal projects at water and wastewater treatment facilities (may include renewal of existing buildings, and process equipment and machinery, etc.). Stormwater management facilities (stormwater ponds and underground storage tanks), as well as watercourse restoration projects to address infrastructure impacts from erosion, are not currently included in the SOGR backlog analysis.

OPERATING IMPACT OF COMPLETED CAPITAL PROJECTS

The 10-Year Capital Plan will impact future year Operating Budgets by \$8.010 million net over the 2023-2032 period and an increase of 16 positions for planned completion of new equipment and facilities.

Table 4: Net Operating Impact Summary

Projects	2023 Budget		2024 Plan		2025 Plan		2026 Plan		2027 Plan		2023-2027		2023-2032	
	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions	\$000s	Positions
Previously Approved														
D BUILDING PHASE 2					350.0							350.0		350.0
DISINFECTION SYSTEM CONSTRUCTION	716.0	2.0	359.5	1.0	54.1							1,129.6	3.0	1,129.6
INTEGRATED PUMPING STATION (IPS) - CONSTRUCTION														1,700.0
WASTE ACTIVATED SLUDGE UPGRADE - CONSTRUCTION	(620.0)								1,500.0			880.0		880.0
NTPP - PROCESS IMPROVEMENTS	593.5	1.0	85.6	1.0	0.4							679.5	2.0	679.5
CHEMICAL & RESIDUALS MANAGEMENT CONST					112.9	0.5						112.9	0.5	112.9
PLANTWIDE HVAC UPGRADES			(50.0)									(50.0)		(50.0)
ISLAND PHOTOVOLTAIC SYSTEM							(242.0)					(242.0)		(242.0)
HVAC REHAB CONSTRUCTION			(150.0)									(150.0)		(150.0)
STANDBY POWER - PHASE 2 - ENG							82.0					82.0		232.0
STANDBY POWER - PHASE 2 - CONSTRUCTION							(2.0)					(2.0)		(2.0)
SOURCE WATER PROTECTION - LAKE ONTARIO COLLABORATIVE			61.3		209.2				100.0			370.5		370.5
WATER SUSTAINABILITY PROGRAM (STANDBY POWER - ELLESMERE)			20.0									20.0		20.0
STANDBY POWER - ROSEHILL			20.0									20.0		20.0
WATERMAIN ASSET PLANNING			133.7	2.0	99.8							233.5	2.0	233.5
SCADA UPGRADES FOR WWTP			270.0	4.0	205.8							475.8	4.0	475.8
FACILITY RENOVATION	58.0	1.0	132.3		56.5							246.8	1.0	246.8
DOWNSVIEW PS - CONSTRUCTION			15.0									15.0		15.0
WATERFRONT SANITARY MASTER SERVICING PLAN IMPLEMEN									717.0			717.0		717.0
PUMP REPLACEMENTS									28.0			28.0		28.0
Sub-Total: Previously Approved	747.5	4.0	897.4	8.0	1,088.7	0.5	(162.0)		2,345.0			4,916.6	12.5	6,766.6
New Projects - 2023														
BRICK SEWER RENEWAL			58.7	1.0	44.1							102.8	1.0	102.8
Sub-Total: New Projects - 2023			58.7	1.0	44.1							102.8	1.0	102.8
New Projects - Future Years														
UV DISINFECTION - CONSTRUCTION					677.9	0.5	215.0					892.9	0.5	892.9
STORM WATER POND ASSESSMENT & CLEANING - 10 YEAR			141.3	2.0	105.9							247.2	2.0	247.2
Sub-Total: New Projects - Future Years			141.3	2.0	783.8	0.5	215.0					1,140.2	2.5	1,140.2
Total (Net)	747.5	4.0	1,097.4	11.0	1,916.6	1.0	53.0		2,345.0			6,159.5	16.0	8,009.5

Previously Approved Projects

- Increase in operating costs for salaries, benefits, chemicals, energy, utilities, and contracted services from previously approved projects at Ashbridges Bay and North Toronto Wastewater Treatment plants and Toronto Island Treatment Plant.
- In 2023, upgrades at the Ashbridges Bay Treatment Plant (waste activated sludge) will generate savings of \$0.620 million.

New Projects – Future Years

- Increase in operating costs for salaries, benefits, chemicals, utilities, and contracted services primarily for plant-wide implementation/construction of ultraviolet disinfection facilities.

APPENDICES

Appendix 1

COVID-19 Impact and Recovery

(In \$000s)					
COVID-19 Impacts	2022 Net		2023		
	Budget	Projection*	Revenues	Gross	Net
Revenue Loss					
Sub-Total					
Expenditure Increase					
Health and Safety Protocols		959.0			
Sub-Total		959.0			
Total COVID-19 Impact		959.0			

* 2022 Projection based on 9-month variance.

Appendix 2

2023 Affordability Measures

(\$000s)									
Recommendation	Savings Type	Equity Impact	2023				2024 (Incremental)		
			Revenue	Gross	Net	Positions	Gross	Net	Positions
Efficiencies - Water & Wastewater - Utilities	Efficiency Savings	No Impact		(4,393.7)	(4,393.7)				
Realignment to actuals	Base Savings	No Impact		(3,918.0)	(3,918.0)				
Total Balancing Actions				(8,311.8)	(8,311.8)				

Appendix 3

Summary of 2023 Service Changes

N/A

Appendix 4

Summary of 2023 New / Enhanced Service Priorities Included in Budget

N/A

Appendix 5

Summary of 2023 New / Enhanced Service Priorities Not Included in Budget

N/A

Appendix 6

2023 Capital Budget; 2024 - 2032 Capital Plan Including Carry Forward Funding

(In \$000s)	2023 Budget	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2028 Plan	2029 Plan	2030 Plan	2031 Plan	2032 Plan	2023 - 2032 Total	Health & Safety & Legislated	SOGR	Growth & Improved Service
ASHBRIDGES BAY WWTP - BUILDING SERVICES & SITE DEV	310	18	-	-	-	-	-	-	-	1,300	1,628			1,628
ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM	56,106	46,310	6,648	11,526	697	3,700	3,350	10	10	-	128,357	120,087		8,270
ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING <input checked="" type="checkbox"/>	38,282	24,306	93,703	156,094	167,093	167,279	164,417	163,551	187,222	178,741	1,340,688		1,134,479	206,209
ASHBRIDGES BAY WWTP - O&M UPGRADES	2,630	2,710	2,790	2,960	3,005	3,140	3,240	3,337	3,437	3,540	30,789		30,789	
ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING <input checked="" type="checkbox"/>	35,772	40,650	70,905	68,562	45,574	57,856	1,231	7,994	400	400	329,344		322,701	6,643
ASHBRIDGES BAY WWTP REHAB <input checked="" type="checkbox"/>	32,224	59,585	54,641	54,064	72,371	60,724	50,791	38,842	19,145	11,720	454,107	5,950	407,470	40,687
BASEMENT FLOODING RELIEF <input checked="" type="checkbox"/>	225,302	319,125	291,643	245,477	225,892	201,974	154,441	156,076	145,727	142,298	2,107,955			2,107,955
BUSINESS IT PROJECTS	189	838	1,063	713	-	-	-	-	-	-	2,803			2,803
BUSINESS SYSTEM INFRASTRUCTURE - PW	19,802	20,274	12,631	6,782	5,466	5,314	3,654	3,359	3,395	3,395	84,072			84,072
DIST W/M REHABILITATION	75,652	52,590	54,645	48,056	47,355	47,281	48,506	47,460	47,260	47,260	516,065		516,065	
DIST W/M REPLACEMENT <input checked="" type="checkbox"/>	116,191	143,315	127,290	114,521	108,800	107,870	102,780	103,650	102,150	102,150	1,128,717		965,035	163,682
DIST WATER SERVICE REPAIR	60,171	46,655	44,610	38,023	34,348	34,348	34,348	34,348	34,348	34,348	395,547	381,407	14,140	
DISTRICT WATERMAINS - NEW	10	500	500	500	500	500	500	500	500	500	4,510			4,510
DON & WATERFRONT TRUNK CSO <input checked="" type="checkbox"/>	52,714	70,586	52,789	21,598	14,713	15,777	137,582	261,669	305,019	339,211	1,271,658			1,271,658
ENGINEERING	88,544	86,332	76,964	75,774	71,683	70,430	64,634	53,917	55,329	55,125	698,732		698,732	
ENGINEERING STUDIES	336	180	480	335	70	70	70	70	70	70	1,751	150	1,140	461
EQUIPMENT REPLACEMENT & REHABILITATION	1,960	746	38	-	-	-	-	-	-	-	2,744		2,744	
FJ HORGAN W.T.P. R&R <input checked="" type="checkbox"/>	7,294	10,410	2,383	3,352	964	220	210	200	200	200	25,433	579	18,247	6,607
HARRIS W.T.P. R&R <input checked="" type="checkbox"/>	4,597	6,458	5,771	4,743	1,021	3,700	11,500	11,500	12,550	7,800	69,640		59,226	10,414
HIGHLAND CREEK WWTP - BUILDING SERV & SITE DEV	10,855	20,194	3,450	3,550	4,200	8,934	5,500	202	50	50	56,985		56,985	
HIGHLAND CREEK WWTP - ODOUR CONTROL <input checked="" type="checkbox"/>	1,868	4,392	1,100	1,726	1,020	6,517	11,300	10,500	5,400	-	43,823	43,793		30
HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING <input checked="" type="checkbox"/>	33,231	55,350	32,678	40,029	31,763	31,110	9,633	16,974	28,700	27,155	306,623		17,042	289,581
HIGHLAND CREEK WWTP UPGRADES <input checked="" type="checkbox"/>	35,993	21,618	20,639	39,571	101,655	114,490	118,460	65,140	33,820	19,114	570,500	35,005	120,599	414,896
HORGAN TRUNK MAIN EXPANSION	16,000	29,000	24,301	630	38	-	-	-	-	-	69,969			69,969
HUMBER T.P. <input checked="" type="checkbox"/>	85	55	12	-	-	-	-	-	-	-	152			152
HUMBER WWTP - LIQUID TREATMENT & HANDLING <input checked="" type="checkbox"/>	6,460	5,866	470	2,343	3,056	8,499	52,104	53,160	53,160	30,556	215,674		215,674	
HUMBER WWTP - ODOUR CONTROL	5,308	5,964	600	140	273	-	128	273	-	128	12,814	12,814		
HUMBER WWTP UPGRADES <input checked="" type="checkbox"/>	23,189	34,021	51,731	60,671	38,744	29,851	41,101	42,920	23,970	770	346,968	7,823	216,754	122,391

Appendix 6 (Con't)

2023 Capital Budget; 2024 - 2032 Capital Plan Including Carry Forward Funding

(In \$000s)	2023 Budget	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2028 Plan	2029 Plan	2030 Plan	2031 Plan	2032 Plan	2023 - 2032 Total	Health & Safety & Legislated	SOGR	Growth & Improved Service
ISLAND W.T.P. R&R	8,339	20,768	26,307	34,077	38,525	17,283	2,686	3,466	2,425	3,275	157,151	90,353	40,860	25,938
Land Acquisition for Source Water Protect	15,456	11,328	7,200	10,900	11,000	11,000	11,000	11,000	11,000	11,000	110,884			110,884
LAWRENCE ALLAN REVITALIZATION PLAN	3,337	13,961	16,300	12,534	5,893	-	2,150	2,150	2,150	2,150	60,625			60,625
METERING & METER READING SYS	5,023	1,951	1,501	1,501	1,501	1,501	1,501	1,501	1,501	1,501	18,982			18,982
NEW SERVICE CONNECTIONS	49,162	46,995	45,778	45,396	45,444	45,494	45,544	45,595	45,647	45,700	460,755			460,755
NEW SEWER CONSTRUCTION	30,065	29,892	45,502	52,200	49,982	2,145	2,225	4,250	1,315	1,100	218,676			218,676
NORTH TORONTO WTP UPGRADES	4,970	3,640	8,272	29	-	-	-	-	-	-	16,911	6,292		10,619
OPERATIONAL SUPPORT	3,836	6,458	11,659	17,357	10,861	5,306	4,181	2,741	1,911	1,911	66,221		4,500	61,721
PW ENGINEERING	8,627	10,705	7,382	5,225	4,440	3,425	2,225	2,225	1,225	1,225	46,704		24,519	22,185
REGENT PARK CAPITAL CONTRIBUTION	-	-	-	-	-	-	-	-	-	-	-			-
RL CLARK W.T.P. R&R	455	1,112	1,850	1,000	2,915	1,030	255	255	250	250	9,372		9,372	-
SEWAGE PUMPING STATION UPGRADES	13,697	21,859	20,659	11,645	14,845	5,685	3,455	7,535	7,505	7,400	114,285	77,462	31,228	5,595
SEWER ASSET PLANNING	23,420	25,816	24,967	22,700	22,150	22,150	22,150	22,150	22,150	22,150	229,803		185,753	44,050
SEWER REPLACEMENT PROGRAM	23,707	30,389	30,820	33,937	34,234	36,534	32,080	28,250	26,750	22,750	299,451		299,451	-
SEWER SYSTEM REHABILITATION	82,362	98,214	124,103	121,823	118,845	118,130	123,380	121,380	121,380	120,030	1,149,647		1,147,211	2,436
STREAM RESTORATION & EROSION CONTROL	14,346	19,398	18,761	21,980	28,618	34,559	13,615	7,980	10,919	14,294	184,470		184,470	-
SWITCH GEAR TRANSFORMER	6,151	8,136	8,864	6,277	-	-	-	-	-	-	29,428		29,428	-
SWM TRCA FUNDING	4,898	5,031	5,140	5,276	5,421	5,562	5,694	5,701	5,706	5,728	54,157			54,157
SWM END OF PIPE FACILITIES	576	1,395	4,038	1,900	900	1,053	-	-	1,500	1,500	12,862			12,862
SWM SOURCE CONTROL PROG	-	-	-	-	-	-	-	-	-	-	-			-
TRANSMISSION R&R	37,984	46,898	26,971	6,079	23,071	35,755	48,625	69,055	66,460	40,290	401,188		392,019	9,169
TRUNK SEWER SYSTEM	38,935	75,677	86,225	123,243	165,830	189,687	184,087	113,296	82,758	78,680	1,138,418		356,707	781,711
TRUNK WATERMAIN	555	5,227	862	5	5	-	-	-	-	-	6,654		5,022	1,632
TRUNK WATERMAIN EXPANSION	10	1,760	-	-	700	1,000	300	1,000	1,000	1,000	6,770			6,770
W&WW LABORATORIES	7,610	4,167	290	210	210	210	210	11,210	11,660	11,960	47,737		2,700	45,037
WATER EFFICIENCY PROGRAM	593	524	531	538	561	552	560	568	576	585	5,588			5,588
WATER SUSTAINABILITY PROGRAM	1,159	1,600	-	-	-	-	-	-	-	-	2,759			2,759
WESTERN BEACHES RETROFIT	997	12,678	11,025	14,550	3,525	-	-	-	-	-	42,775		42,775	-
WET WEATHER FLOW MP	24,070	10,329	20,219	9,306	4,490	5,255	4,895	4,465	5,390	4,383	92,802		15,684	77,118
WT&S PLANTWIDE	21,779	51,905	41,070	27,629	19,632	36,475	48,701	50,175	22,921	16,661	336,948		62,154	274,794
Total Expenditures (including carry forward from 2022)	1,383,194	1,675,861	1,630,771	1,589,057	1,593,899	1,559,375	1,578,999	1,591,600	1,515,961	1,421,354	15,540,071	781,715	7,631,675	7,126,681

☑ - Project supports Climate Resiliency and / or Greenhouse Gas (GHG) Reduction*

*Information above includes full project / sub-project 2023-2032 Budget and Plan cash flows. Does not break out the climate component costs separately

Appendix 6a

2023 Cash Flow and Future Year Commitments Including Carry Forward Funding

(In \$000s)	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total 2023 Cash Flow & FY Commits	Previously Approved	Change in Scope	New w/ Future Year
ASHBRIDGES BAY WWTP - BUILDING SERVICES & SITE DEV	310	18									328	451	(123)	
ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM	56,106	46,310	6,648	10,926	97						120,087	113,420	6,667	
ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING	38,282	24,306	93,703	156,094	167,093	167,279	164,291	163,299	161,970	152,722	1,289,039	1,056,327	232,712	
ASHBRIDGES BAY WWTP - O&M UPGRADES	2,630	2,710	2,790	2,960							11,090	10,920	170	
ASHBRIDGES BAY WWTP - SOLIDS & GAS HANDLING	35,772	40,650	70,905	68,562	45,574	57,856	1,231	7,994	400	400	329,344	330,260	(916)	
ASHBRIDGES BAY WWTP REHAB	32,224	59,585	54,641	54,064	71,071	59,424	49,491	37,542	17,845	10,420	446,307	299,438	146,069	800
ASHRIDGES BAY TP YR2005												72	(72)	
BASEMENT FLOODING RELIEF	225,302	314,825	273,867	222,102	173,620	126,247	79,573	72,535	61,576	32,071	1,581,718	1,348,588	172,130	61,000
BUSINESS IT PROJECTS	189	838	1,063	713							2,803	1,677	1,126	
BUSINESS SYSTEM INFRASTRUCTURE - PW	19,802	18,654	9,662	2,729	1,710	825					53,382	33,932	19,450	
CLARK RESIDUE MGMT. FACILITIES												20	(20)	
DIST W/M REHABILITATION	75,652	51,848	28,206	10,600	149	60					166,515	116,754	49,761	
DIST W/M REPLACEMENT	116,191	141,815	45,090	12,221	1,000	1,000	500	500			318,317	326,127	(14,385)	6,575
DIST WATER SERVICE REPAIR	60,171	46,005	27,261	7,575							141,012	110,261	30,751	
DISTRICT WATERMAINS - NEW	10	500	500								1,010	500	510	
DON & WATERFRONT TRUNK CSO	52,714	70,586	49,039	8,473	88	302	2,807	7,069	1,169	1	192,248	167,604	24,644	
EMERY CREEK POND												425	(425)	
ENGINEERING	88,544	57,214	45,727	23,430	3,617	1,774	235	1,000	800		222,341	158,555	61,771	2,015
ENGINEERING STUDIES	336	120	100	55							611	538	73	
EQUIPMENT REPLACEMENT & REHABILITATION	1,960	746	38								2,744	2,502	242	
FJ HORGAN W.T.P. R&R	7,294	10,410	2,383	3,352	764	20	10				24,233	22,199	2,034	
HARRIS W.T.P. R&R	4,597	6,458	5,771	4,143	21						20,990	17,735	3,255	
HIGHLAND CREEK WWTP - BUILDING SERV & SITE DEV	10,855	20,194	3,450	3,550	4,200	8,934	5,500	202	50	50	56,985	55,182	1,803	
HIGHLAND CREEK WWTP - ODOUR CONTROL	1,868	4,392	1,100	1,326	20	17					8,723	6,839	1,884	
HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING	33,231	55,350	32,150	38,445	29,652	30,055	9,633	530	100	50	229,196	229,182	14	
HIGHLAND CREEK WWTP UPGRADES	35,993	21,618	17,829	11,171	14,865	18,630	18,610	12,350	8,400	5,584	165,050	143,535	21,515	
HORGAN TRUNK MAIN EXPANSION	16,000	29,000	24,301	630	38						69,969	68,677	1,292	
HUMBER T.P.	85	55	12								152	3,057	(2,905)	
HUMBER WWTP - LIQUID TREATMENT & HANDLING	6,460	5,866	150	226	204						12,906	12,414	492	
HUMBER WWTP - ODOUR CONTROL	5,308	5,964	600	140	273		128	273		128	12,814	8,848	3,966	

Appendix 6a (con't)

2023 Cash Flow and Future Year Commitments Including Carry Forward Funding

(In \$000s)	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total 2023 Cash Flow & FY Commits	Previously Approved	Change in Scope	New w/ Future Year
HUMBER WWTP UPGRADES	23,189	34,021	50,231	53,671	31,324	22,431	33,681	37,000	23,550	350	309,448	201,692	39,373	68,383
ISLAND W.T.P. R&R	8,339	19,118	23,217	32,667	38,450	16,633	811	516	410	575	140,736	105,275	35,461	
Land Acquisition for Source Water Protect	15,456	728									16,184	1,067	15,117	
LAWRENCE ALLAN REVITALIZATION PLAN	3,337	13,961	16,300	12,534	5,893						52,025	22,489	29,536	
METERING & METER READING SYS	5,023	1,951	1,501	1,501	1,501	1,501	1,501	1,501	1,501	1,501	18,982	17,735	1,247	
NEW SERVICE CONNECTIONS	49,162	46,995	8,573								104,730	79,460	25,270	
NEW SEWER CONSTRUCTION	30,065	24,892	4,502	1,200	932	845	250	250	250		63,186	46,517	16,669	
NORTH TORONTO WTP UPGRADES	4,970	3,640	8,272	29							16,911	16,232	679	
OPERATIONAL SUPPORT	3,836	6,458	11,459	10,682	9,911	4,356	3,231	1,991	1,161	1,161	54,246	31,842	12,526	9,878
PW ENGINEERING	8,627	10,630	6,807	4,535	3,382	2,200	1,000	1,000			38,181	34,101	4,080	
RL CLARK W.T.P. R&R	455	1,112	1,850	840	15						4,272	1,302	640	2,330
SEWAGE PUMPING STATION UPGRADES	13,697	21,759	20,184	10,670	12,355	2,165	2,560	7,510	7,500	7,400	105,800	105,200	600	
SEWER ASSET PLANNING	23,420	21,366	7,817	5,950	5,000						63,553	35,215	28,138	200
SEWER REPLACEMENT PROGRAM	23,707	29,389	16,920	14,337	7,134	10,384	4,830	1,000			107,701	63,969	11,609	32,123
SEWER SYSTEM REHABILITATION	82,362	86,764	67,723	38,543	28,115	19,900	2,900				326,307	209,881	25,226	91,200
STREAM RESTORATION & EROSION CONTROL	14,346	18,230	11,531	7,945	8,416	6,296	1,466	1,152	944	250	70,576	59,368	11,208	
SWITCH GEAR TRANSFORMER	6,151	8,136	8,864	6,277							29,428	28,888	540	
SWM TRCA FUNDING	4,898										4,898		4,898	
SWM END OF PIPE FACILITIES	576	1,395	4,038	1,900	900	1,053			750	750	11,362	15,133	(3,771)	
TRANSMISSION R&R	37,984	46,813	24,441	879	771	505	100	80	30		111,603	97,580	14,023	
TRUNK SEWER SYSTEM	38,935	75,372	76,460	112,873	144,870	164,232	151,662	98,941	70,322	67,015	1,000,682	772,601	181,071	47,010
TRUNK WATERMAIN	555	5,227	862	5	5						6,654	6,441	213	
TRUNK WATERMAIN EXPANSION	10	1,760									1,770	1,601	169	
W&WW LABORATORIES	7,610	4,167	290					11,000	11,450	11,750	46,267	34,798	11,469	
WATER EFFICIENCY PROGRAM	593	524	231	238	16						1,602	1,586	16	
WATER SUSTAINABILITY PROGRAM	1,159	1,600									2,759	2,788	(29)	
WESTERN BEACHES RETROFIT	997	12,678	11,025	14,550	3,525						42,775	32,035	10,740	
WET WEATHER FLOW MP	24,070	8,669	13,809	2,101	600	675	455	325			50,704	45,148	5,556	
WT&S PLANTWIDE	21,779	51,830	40,670	27,204	15,882	27,975	27,676	20,040	4,821	531	238,408	162,533	75,875	
Total Expenditure (including carry forward from 2022)	1,383,194	1,595,222	1,234,563	1,004,618	833,053	753,574	564,132	485,600	374,999	292,709	8,521,664	6,878,516	1,321,634	321,514

Appendix 6b

2024 - 2032 Capital Plan

(In \$000s)	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2028 Plan	2029 Plan	2030 Plan	2031 Plan	2032 Plan	2024 - 2032 Total	Health & Safety & Legislated	SOGR	Growth & Improved Service
ASHBRIDGES BAY WWTP - BUILDING SERVICES & SITE DEV									1,300	1,300			1,300
ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM			600	600	3,700	3,350	10	10		8,270			8,270
ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING						126	252	25,252	26,019	51,649		51,649	
ASHBRIDGES BAY WWTP - O&M UPGRADES				3,005	3,140	3,240	3,337	3,437	3,540	19,699		19,699	
ASHBRIDGES BAY WWTP REHAB				1,300	1,300	1,300	1,300	1,300	1,300	7,800		7,800	
BASEMENT FLOODING RELIEF	4,300	17,776	23,375	52,272	75,727	74,868	83,541	84,151	110,227	526,237			526,237
BUSINESS SYSTEM INFRASTRUCTURE - PW	1,620	2,969	4,053	3,756	4,489	3,654	3,359	3,395	3,395	30,690			30,690
DIST W/M REHABILITATION	742	26,439	37,456	47,206	47,221	48,506	47,460	47,260	47,260	349,550		349,550	
DIST W/M REPLACEMENT	1,500	82,200	102,300	107,800	106,870	102,280	103,150	102,150	102,150	810,400		682,600	127,800
DIST WATER SERVICE REPAIR	650	17,349	30,448	34,348	34,348	34,348	34,348	34,348	34,348	254,535	254,535		
DISTRICT WATERMANS - NEW			500	500	500	500	500	500	500	3,500			3,500
DON & WATERFRONT TRUNK CSO		3,750	13,125	14,625	15,475	134,775	254,600	303,850	339,210	1,079,410			1,079,410
ENGINEERING	29,118	31,237	52,344	68,066	68,656	64,399	52,917	54,529	55,125	476,391		476,391	
ENGINEERING STUDIES	60	380	280	70	70	70	70	70	70	1,140		1,140	
FJ HORGAN W.T.P. R&R				200	200	200	200	200	200	1,200			1,200
HARRIS W.T.P. R&R			600	1,000	3,700	11,500	11,500	12,550	7,800	48,650		48,650	
HIGHLAND CREEK WWTP - ODOUR CONTROL			400	1,000	6,500	11,300	10,500	5,400		35,100	35,100		
HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING		528	1,584	2,111	1,055		16,444	28,600	27,105	77,427			77,427
HIGHLAND CREEK WWTP UPGRADES		2,810	28,400	86,790	95,860	99,850	52,790	25,420	13,530	405,450	22,000	12,640	370,810
HUMBER WWTP - LIQUID TREATMENT & HANDLING		320	2,117	2,852	8,499	52,104	53,160	53,160	30,556	202,768		202,768	
HUMBER WWTP UPGRADES		1,500	7,000	7,420	7,420	7,420	5,920	420	420	37,520		37,520	
ISLAND W.T.P. R&R	1,650	3,090	1,410	75	650	1,875	2,950	2,015	2,700	16,415		13,565	2,850
Land Acquisition for Source Water Protect	10,600	7,200	10,900	11,000	11,000	11,000	11,000	11,000	11,000	94,700			94,700
LAWRENCE ALLAN REVITALIZATION PLAN						2,150	2,150	2,150	2,150	8,600			8,600
NEW SERVICE CONNECTIONS		37,205	45,396	45,444	45,494	45,544	45,595	45,647	45,700	356,025			356,025
NEW SEWER CONSTRUCTION	5,000	41,000	51,000	49,050	1,300	1,975	4,000	1,065	1,100	155,490			155,490
OPERATIONAL SUPPORT		200	6,675	950	950	950	750	750	750	11,975		4,500	7,475
PW ENGINEERING	75	575	690	1,058	1,225	1,225	1,225	1,225	1,225	8,523		1,500	7,023
RL CLARK W.T.P. R&R			160	2,900	1,030	255	255	250	250	5,100		5,100	
SEWAGE PUMPING STATION UPGRADES	100	475	975	2,490	3,520	895	25	5		8,485		7,500	985
SEWER ASSET PLANNING	4,450	17,150	16,750	17,150	22,150	22,150	22,150	22,150	22,150	166,250		122,800	43,450
SEWER REPLACEMENT PROGRAM	1,000	13,900	19,600	27,100	26,150	27,250	27,250	26,750	22,750	191,750		191,750	
SEWER SYSTEM REHABILITATION	11,450	56,380	83,280	90,730	98,230	120,480	121,380	121,380	120,030	823,340		823,340	
STREAM RESTORATION & EROSION CONTROL	1,168	7,230	14,035	20,202	28,263	12,149	6,828	9,975	14,044	113,894		113,894	
SWM TRCA FUNDING	5,031	5,140	5,276	5,421	5,562	5,694	5,701	5,706	5,728	49,259			49,259
SWM END OF PIPE FACILITIES								750	750	1,500			1,500
TRANSMISSION R&R	85	2,530	5,200	22,300	35,250	48,525	68,975	66,430	40,290	289,585		287,585	2,000
TRUNK SEWER SYSTEM	305	9,765	10,370	20,960	25,455	32,425	14,355	12,436	11,665	137,736		137,736	
TRUNK WATERMAIN EXPANSION				700	1,000	300	1,000	1,000	1,000	5,000			5,000
W&WW LABORATORIES			210	210	210	210	210	210	210	1,470		1,470	
WATER EFFICIENCY PROGRAM		300	300	545	552	560	568	576	585	3,986			3,986
WET WEATHER FLOW MP	1,660	6,410	7,205	3,890	4,580	4,440	4,140	5,390	4,383	42,098		11,400	30,698
WT&S PLANTWIDE	75	400	425	3,750	8,500	21,025	30,135	18,100	16,130	98,540			98,540
Total Expenditures	80,639	396,208	584,439	760,846	805,801	1,014,867	1,106,000	1,140,962	1,128,645	7,018,407	311,635	3,613,747	3,093,025

Appendix 7

Reporting on Major Capital Projects: Status Update

Division/Project name	2022 Cash Flow (Active Projects)			Total Project Cost (Active Projects)		Status	Start Date	End Date		On Budget	On Time
	Appr.	YTD Spend	YE Projec Spend	Appr. Budget	Life to Date			Planned	Revised		
<i>Toronto Water</i>											
St Claire - Reservoir Rehabilitation (CPW060-07)	71	49	65	34,372	28,956	Completed	Jan-14	Dec-23	Dec-23	Ⓢ	Ⓢ
Comments:	Construction works have been completed.										
Explanation for Delay:											
ROSEHILL PS REHAB (CPW060-11)	74	22	74	8,424	4,794	Completed	Jan-15	Dec-23	Dec-23	Ⓢ	Ⓢ
Comments:	Construction works have been completed.										
Explanation for Delay:											
OUTFALL CONSTRUCTION (CWW039-06)	38,839	25,589	42,460	278,931	199,951	On Track	Jan-18	Dec-25	Dec-25	Ⓢ	Ⓢ
Comments:	Construction started in early 2019, and proceeded ahead of schedule in 2022.										
Explanation for Delay:											
Don & Waterfront Trunk/CSO Const - PHASE 1 (CWW480-03)	63,356	25,314	36,067	436,465	308,035	On Track	Jan-18	Jan-24	Jan-24	Ⓢ	Ⓢ
Comments:	Construction started in 2018, and is proceeding on track in 2022.										
Explanation for Delay:											

On/Ahead of Schedule	Ⓢ	>70% of Approved Project Cost
Minor Delay < 6 months	Ⓜ	Between 50% and 70%
Significant Delay > 6 months	Ⓜ	< 50% or > 100% of Approved Project

Appendix 8

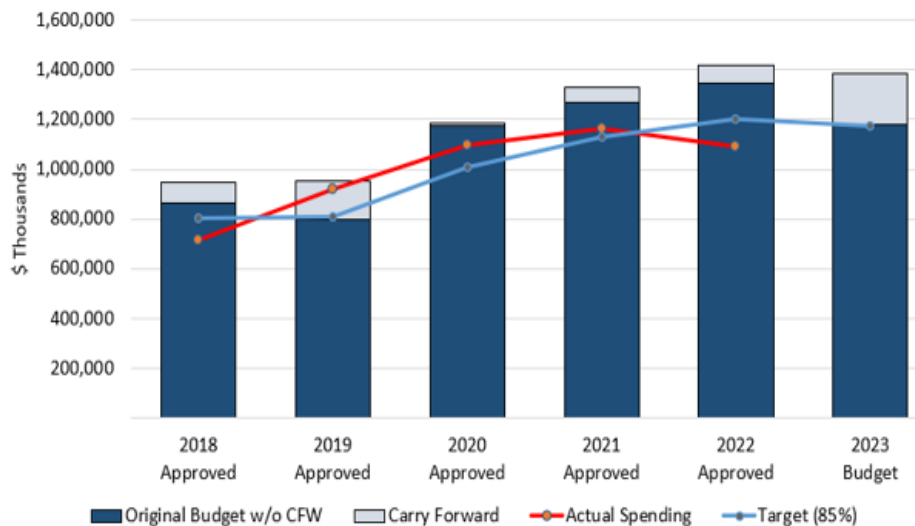
Capacity to Spend Review

The 10-Year Capital Plan has been developed with consideration of historical demonstrated ability to spend within any given year of the 10-Year Capital Plan. A review was undertaken to ensure budgets align with Toronto Water’s ability to spend and the markets capacity to deliver.

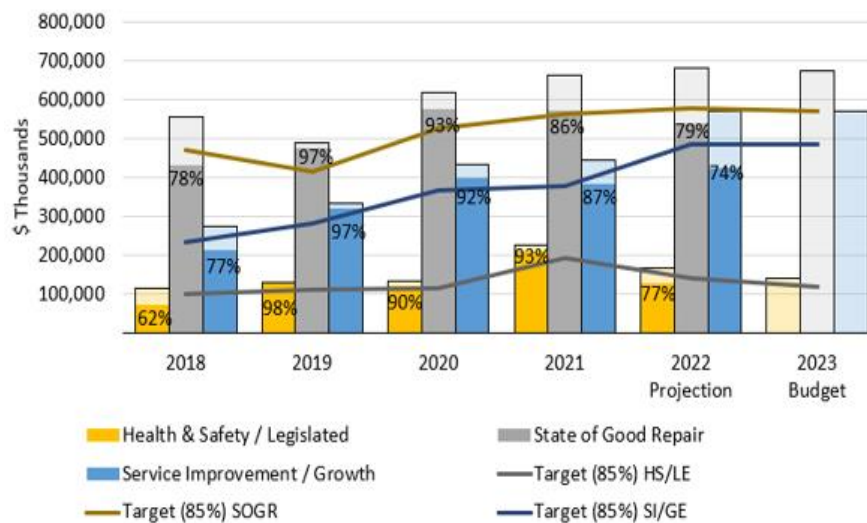
A key component in determining an appropriate level of annual cash flows includes review of historical capacity to spend by project category (Chart 3 below), as well as the level of projected 2022 underspending that will be carried forward into 2023 to complete capital work.

Chart 3 – Capacity to Spend

Carry Forward Impact Vs. Capacity to Spend



Budget Vs. Actual Spending by Category



Capacity to Spend Review - Impact on the 10-Year Plan

The 2023-2032 Capital Budget and Plan represents Toronto Water's largest investment in infrastructure renewal, totalling \$15.540 billion over 10 years. The 2023 Capital Budget of \$1.383 billion (including carry forward funding of \$201.186 million) is higher than the historic 5-year average budget and will support both large scale multi-year projects and new projects forecasted for award in 2022.

Toronto Water's actual spending over the previous five years, from 2017 to 2021, has averaged \$998 million per year, with capital spending exceeding \$1.164 billion in 2021. In 2022, Toronto Water is forecasting to spend \$1.090 billion, or 76.9 per cent, of the approved 2022 Capital Budget.

In recent years, Toronto Water has awarded a series of large scale multi-year projects. As of October 2022, approximately \$2.4 billion is committed for already awarded works. In addition to regularly scheduled annual construction programs, the 2023 cash flow will support continued delivery of ongoing multi-year contracts. In the remainder of 2022 or in 2023, Toronto Water will be issuing an additional approximately \$737 million in works to support the following large construction projects:

- Ashbridges Bay Wastewater Treatment Plant (ABTP) D Building;
- R.C. Harris Treatment Plant Zebra Mussel Control;
- Island Water Treatment Plant Phase 2 RMF Dewatering / UV Disinfection / Solar Photovoltaic bundled project;
- Midtown (Tunnelling, Tank and the Local Sewers West and East Contracts); and
- Humber Treatment Plant Process Upgrades.

Based on the review of historical capital spending constraints and the capacity to spend, \$345.652 million in capital spending originally cash flowed in 2023 has been adjusted to reflect updated cost estimates and align with current delivery forecasts (including deferrals to 2024 and future years), coordination of work, scheduling and project readiness. Key adjustments to the 2023 Capital Plan are noted below:

- The Ashbridges Bay Wastewater Treatment Plant Upgrades 2023 cash flow reduced by \$39.233 million
- Watermain Replacement 2023 cash flow reduced by \$31.693 million
- Sewer Replacement 2023 cash flow reduced by \$11.498 million.
- The Basement Flooding Protection Program 2023 cash flow reduced by \$83.877 million.
- The Trunk Sewers Program 2023 cash flow reduced by \$33.973 million.

The 2023 Financial Model assumes that 85 per cent of the net Capital Budget and Plan will be drawn from Toronto Water's Capital Reserve and Water, Sanitary and Stormwater Management Development Charge Reserves based on historical capital completion levels, so as not to overstate actual projected funding requirements.

Appendix 9

Summary of Capital Needs Constraints

- The 2023-2032 Capital Budget and Plan is based on the capacity to deliver (85 per cent spending rate included for planning purposes).
- Due to financial pressures resulting from local and global economic circumstances, Toronto Water has undertaken a reprioritization of works across the 10-Year plan, with a focus on allocating funding to address the highest priority infrastructure needs. As a result, the implementation of several projects have been deferred.
- While Toronto Water has not identified any unmet needs over the 10-Year planning horizon, projects have been delayed to start or be completed beyond that horizon.

Appendix 10

Inflows and Outflows to/from Reserves and Reserve Funds 2023 Operating Budget

Corporate Reserve / Reserve Funds

Reserve / Reserve Fund Name (in \$000s)	Reserve / Reserve Fund Name	Withdrawals (-) / Contribution (+)		
		2023	2024	2025
		\$	\$	\$
Beginning Balance		24,728	11,948	2,261
Vehicle Replacement Reserve	XQ1012			
Withdrawals (-)		(18,569)	(15,476)	(7,362)
Contribution (+)		5,789	5,789	5,789
Total Reserve / Reserve Fund Draws / Contribution		(12,780)	(9,687)	(1,573)
Balance at Year-End		11,948	2,261	689

* Based on the most recent estimates

Reserve / Reserve Fund Name (in \$000s)	Reserve / Reserve Fund Name	Withdrawals (-) / Contribution (+)		
		2023	2024	2025
		\$	\$	\$
Beginning Balance		57,291	38,514	20,117
Insurance Replacement Reserve	XR1010			
Withdrawals (-)				
Contribution (+)		6,196	6,196	6,196
Total Reserve / Reserve Fund Draws / Contribution		6,196	6,196	6,196
Other Programs Reserve / Reserve Fund Draws / Contribution		(25,899)	(25,160)	(24,922)
Interest Income		925	566	210
Balance at Year-End		38,514	20,117	1,600

* Based on the most recent estimates

Appendix 10 (Con't)

Inflows and Outflows to/from Reserves and Reserve Funds 2023 – 2032 Capital Budget and Plan Program Specific Reserve / Reserve Funds

Reserve / Reserve Fund Name (in \$000s)	Reserve / Reserve Fund Name	Contributions / (Withdrawals)										
		2023 Budget	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2028 Plan	2029 Plan	2030 Plan	2031 Plan	2032 Plan	Total
Beginning Balance		1,133,305	1,095,539	886,152	658,025	484,738	341,367	252,166	166,830	94,293	100,913	
Water & Wastewater Capital Reserves	XR6003 & XR6004											
Withdrawals (-)												
- TW Capital Program		(1,051,742)	(1,238,275)	(1,279,305)	(1,245,931)	(1,238,872)	(1,217,597)	(1,230,513)	(1,250,388)	(1,200,751)	(1,127,653)	(12,081,027)
- Others		(6,916)	(4,123)	(3,063)	(3,121)	(3,206)	(3,686)	(12,777)	(6,811)	(5,573)	(3,940)	(53,215)
Contribution (+)												
- From Operations		999,370	1,013,876	1,039,330	1,064,732	1,090,730	1,126,351	1,153,907	1,182,141	1,211,059	1,250,575	11,132,070
Total Reserve / Reserve Fund Draws / Contribution		(59,287)	(228,522)	(243,037)	(184,321)	(151,348)	(94,932)	(89,382)	(75,059)	4,735	118,982	(1,002,171)
Interest Income		21,521	19,135	14,910	11,034	7,977	5,731	4,046	2,521	1,885	3,128	91,889
Balance at Year-End		1,095,539	886,152	658,025	484,738	341,367	252,166	166,830	94,293	100,913	223,023	

* Based on the most recent estimates

Reserve / Reserve Fund Name (in \$000s)	Project / Sub Project Name and Number	Contributions / (Withdrawals)										
		2023 Budget	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2028 Plan	2029 Plan	2030 Plan	2031 Plan	2032 Plan	Total
Water Development Charges Reserve Fund XR2111 (in \$000s)	Beginning Balance	154,030	138,856	87,871	71,421	74,048	82,292	94,193	104,185	112,574	123,404	
	Withdrawals											
	DIST W/M REPLACEMENT	(12,638)	(18,840)	(10,259)	(9,435)	(9,194)	(9,151)	(8,919)	(8,960)	(8,891)	(8,891)	(105,178)
	DISTRICT WATERMANS - NEW	(10)	(500)	(300)	(300)	(300)	(300)	(300)	(300)	(300)	(300)	(2,910)
	ENGINEERING	(2,234)	(2,175)	(974)	(721)	(106)	(56)	(9)	(32)	(24)	-	(6,331)
	HORGAN TRUNK MAIN EXPANSION	(16,000)	(29,000)	(14,581)	(378)	(23)	-	-	-	-	-	(59,982)
	ISLAND W.T.P. R&R	(205)	(1,777)	(1,403)	(1,662)	(1,595)	(605)	(6)	(5)	-	-	(7,258)
	LAWRENCE ALLAN REVITALIZATION PLAN	(3,337)	(13,961)	(9,780)	(7,520)	(3,535)	-	(1,290)	(1,290)	(1,290)	(1,290)	(43,293)
	PW ENGINEERING	(1,290)	(1,731)	(767)	(620)	(516)	(401)	(221)	(221)	(71)	(71)	(5,909)
	RL CLARK W.T.P. R&R	(1)	(19)	-	-	-	-	-	-	-	-	(20)
	TRANSMISSION R&R	(2,500)	(3,000)	(1,001)	-	-	-	-	-	-	-	(6,501)
	TRUNK WATERMAIN EXPANSION	(5)	(915)	-	-	-	-	-	-	-	-	(920)
	WATER EFFICIENCY PROGRAM	(593)	(524)	(319)	(323)	(337)	(331)	(336)	(341)	(346)	(351)	(3,801)
	WATER SUSTAINABILITY PROGRAM	(139)	(191)	-	-	-	-	-	-	-	-	(330)
	WT&S PLANTWIDE	(1,583)	(1,191)	(258)	(142)	(380)	(2,054)	(2,774)	(2,128)	(493)	(30)	(11,033)
	Total Withdrawals	(40,535)	(73,824)	(39,642)	(21,101)	(15,986)	(12,898)	(13,855)	(13,277)	(11,415)	(10,933)	(253,466)
	Contribution:											
	- Projected Contribution	22,625	20,742	21,745	22,416	22,812	23,187	22,023	19,665	20,058	19,304	214,575
	Total Contribution	22,625	20,742	21,745	22,416	22,812	23,187	22,023	19,665	20,058	19,304	214,575
	- Other Program/Agency Net Withdrawals and Contribution	(92)	(92)	(92)	(92)	(92)	(92)	(92)	(92)	(92)	(92)	(918)
	Interest Income	2,828	2,189	1,538	1,405	1,510	1,704	1,916	2,093	2,279	2,487	19,948
	Balance at Year-End	138,856	87,871	71,421	74,048	82,292	94,193	104,185	112,574	123,404	134,170	

* Based on the most recent estimates

2023 – 2032 Capital Budget and Plan (continued)

Program Specific Reserve / Reserve Funds

Reserve / Reserve Fund Name (In \$000s)	Project / Sub Project Name and Number	Contributions / (Withdrawals)										
		2023 Budget	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2028 Plan	2029 Plan	2030 Plan	2031 Plan	2032 Plan	Total
Sanitary Development Charges Reserve Fund XR2112 (in \$000s)	Beginning Balance	97,432	76,867	30,979	20,159	(16,413)	(67,180)	(112,600)	(162,477)	(210,690)	(247,231)	
	Withdrawals											
	ASHBRIDGES BAY WWTP - EFFLUENT SYSTEM	(6,691)	(5,524)	(475)	(782)	(7)	-	-	-	-	-	(13,479)
	ASHBRIDGES BAY WWTP - LIQUID TREATMENT & HANDLING	(6,908)	(11,476)	(11,200)	(22,526)	(26,723)	(26,761)	(26,778)	(26,990)	(26,878)	(19,913)	(206,153)
	HANDLING	(2,697)	(3,078)	(2,835)	(1,238)	(1,093)	(1,317)	-	-	-	-	(12,258)
	ASHBRIDGES BAY WWTP REHAB	(25)	(26)	(17)	-	-	-	-	-	-	-	(68)
	BASEMENT FLOODING RELIEF	(14,960)	(25,428)	(13,246)	(9,709)	(8,914)	(9,182)	(6,301)	(6,657)	(6,527)	(4,156)	(105,080)
	DON & WATERFRONT TRUNK CSO ENGINEERING	(6,286)	(8,419)	(3,779)	(1,546)	(1,052)	(1,129)	(9,847)	(18,727)	(21,829)	(24,276)	(96,890)
	HIGHLAND CREEK WWTP - ODOUR CONTROL	(2,374)	(2,183)	(977)	(668)	(111)	(50)	(5)	(29)	(24)	-	(6,421)
	HIGHLAND CREEK WWTP - ODOUR CONTROL	(109)	(166)	-	(29)	(72)	(465)	(809)	(751)	(386)	-	(2,787)
	HIGHLAND CREEK WWTP - SOLIDS & GAS HANDLING	(3,964)	(6,603)	(2,300)	(2,751)	(2,123)	(2,151)	(689)	(38)	(7)	(4)	(20,630)
	HIGHLAND CREEK WWTP UPGRADES	-	-	-	(39)	-	-	-	(72)	(36)	(36)	(183)
	HUMBER WWTP - LIQUID TREATMENT & HANDLING	(771)	(700)	(34)	(168)	(219)	(608)	(3,729)	(3,804)	(3,804)	(2,187)	(16,024)
	HUMBER WWTP - ODOUR CONTROL	(633)	(711)	(43)	(10)	(20)	-	(9)	(20)	-	(9)	(1,455)
	NEW SEWER CONSTRUCTION	(19,120)	(18,689)	(14,221)	(15,960)	(15,295)	(944)	(968)	(1,575)	(695)	(630)	(88,097)
	SEWAGE PUMPING STATION UPGRADES	(1,103)	(1,964)	(1,081)	(516)	(722)	(75)	(179)	(537)	(537)	(530)	(7,244)
	SEWER ASSET PLANNING	(629)	(798)	(447)	(344)	(319)	(319)	(319)	(319)	(319)	(319)	(4,132)
	SEWER REPLACEMENT PROGRAM	(1,374)	(1,718)	(1,202)	(1,293)	(1,246)	(1,191)	(1,059)	(1,037)	(968)	(968)	(12,056)
	SEWER SYSTEM REHABILITATION	(275)	(15)	-	-	-	-	-	-	-	-	(290)
	TRUNK SEWER SYSTEM	(8,144)	(8,835)	(10,714)	(31,453)	(46,167)	(55,447)	(50,518)	(33,168)	(20,989)	(23,250)	(288,685)
	Total Withdrawals	(76,063)	(96,333)	(62,571)	(89,032)	(104,083)	(99,639)	(101,210)	(93,724)	(82,999)	(76,278)	(881,932)
	Contribution:											
	- Projected Contribution	54,448	50,316	52,640	54,224	55,144	56,047	53,161	47,339	48,286	46,885	518,489
	Total Contribution	54,448	50,316	52,640	54,224	55,144	56,047	53,161	47,339	48,286	46,885	518,489
	- Other Program/Agency Net Withdrawals and Contribution	(633)	(912)	(1,383)	(1,764)	(1,828)	(1,828)	(1,828)	(1,828)	(1,828)	(1,814)	(15,646)
	Interest Income	1,683	1,041	494								3,218
	Balance at Year-End	76,867	30,979	20,159	(16,413)	(67,180)	(112,600)	(162,477)	(210,690)	(247,231)	(278,439)	

* Based on the most recent estimates

Reserve / Reserve Fund Name (In \$000s)	Project / Sub Project Name and Number	Contributions / (Withdrawals)										
		2023 Budget	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2028 Plan	2029 Plan	2030 Plan	2031 Plan	2032 Plan	Total
Stormwater Management Development Charges Reserve Fund XR2113 (in \$000s)	Beginning Balance	62,633	21,803	28,502	34,986	40,343	47,871	56,324	63,724	68,485	73,611	
	Withdrawals											
	Land Acquisition for Source Water Protect CONTROL	(174)	(1,113)	(372)	(637)	(644)	(644)	(644)	(644)	(644)	(644)	(6,160)
	SWM TRCA FUNDING	(141)	(189)	(80)	(157)	(230)	(111)	(12)	-	-	-	(920)
	SWM END OF PIPE FACILITIES	(584)	(600)	(368)	(378)	(388)	(398)	(407)	(408)	(408)	(410)	(4,349)
	WESTERN BEACHES RETROFIT	(68)	(166)	(289)	(136)	(64)	(75)	-	-	(108)	(108)	(1,014)
	WET WEATHER FLOW MP	(119)	(1,512)	(789)	(1,041)	(252)	-	-	-	-	-	(3,713)
	Total Withdrawals	(1,480)	(4,258)	(2,451)	(2,810)	(1,763)	(1,429)	(1,264)	(1,250)	(1,439)	(1,404)	(19,548)
	Contribution:											
	- Projected Contribution	21,448	24,012	25,120	25,877	26,317	26,748	25,372	22,596	23,048	22,371	242,907
	Total Contribution	21,448	24,012	25,120	25,877	26,317	26,748	25,372	22,596	23,048	22,371	242,907
	- Withdrawals - TW Operating	(195)	(195)	(195)	(195)	(195)	(195)	(195)	(195)	(195)	(195)	(1,950)
	- Other Program/Agency Net Withdrawals and Contribution	(61,419)	(13,345)	(16,604)	(18,242)	(17,682)	(17,677)	(17,672)	(17,667)	(17,659)	(17,242)	(215,209)
	Interest Income	815	486	613	727	852	1,006	1,159	1,277	1,372	1,470	9,777
	Balance at Year-End	21,803	28,502	34,986	40,343	47,871	56,324	63,724	68,485	73,611	78,610	

* Based on the most recent estimates

Appendix 11

Glossary

Approved Position: Permanent or temporary positions that support the delivery of City services and service levels as approved by Council.

Actuals: An actual financial amount paid (or received) for the delivery of City services (these exclude any commitments to be paid in the future).

Capacity to Spend: Ability to spend money along with the capacity to deliver projects as demonstrated by historic spending patterns and approved contractual obligations.

Capital Budget: A Capital Budget is the City's plan to acquire / build assets or extend the useful life of existing assets; an example of a capital expenditure is the construction of a new community centre.

Capital Needs Constraints: The capital needs that cannot be accommodated within the Capital Plan that the Division or Agency have the capacity to deliver.

Complement: Positions that support the delivery of City services and service levels as approved by Council.

Efficiencies: Reductions in the cost of delivering a service without a reduction in service level.

New / Enhanced: New and enhanced service changes resulting in an increase in service levels from what was previously approved by Council.

Operating Budget: An Operating Budget is the City's annual plan to provide services to the residents of Toronto; the budget includes all revenues and expenses needed to provided services; an example of an operating cost would be the cost to run the TTC subways.

Operating Impact of Completed Capital Projects: The additional expense (or savings) and positions needed to operate or maintain a new asset; an example would be the additional expense and staff needed to operate a recently completed community centre.

Rate Supported Budget: Budgets fully funded by user fees such as Solid Waste, Toronto Water and Toronto Parking Authority

State of Good Repair (SOGR): The cost of maintaining assets to ensure they are able to support the delivery of City services and meet service outcomes

Tax Supported Budget: Budgets funded by property taxes.

User Fees: Program generated fee and rental revenue for the use of its services (such as the TTC fare, ice rental fees and various City permits).