

PUBLIC WORKS 2024 BUDGET

Presented to Committee of the Whole

Presented by

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Presented on November 30, 2023



Agenda





Highlights of Public Works' 2024 Budget



Transit ridership recovery faster than previously projected



Establish an automated enforcement processing centre



\$8.1M in cumulative efficiencies/enhanced revenue sources included in 2024-2026 budget



\$8.6B 10-year capital plan balances growth (\$5.2B) and rehabilitation and replacement (\$3.4B)









Public Works budget supports 2023 to 2027 Strategic Plan

Key Priorities Over the Multi-Year Budget



Providing efficiency and value for money



Driving innovation in service delivery including traveller safety



Integrating capital delivery growth and rehabilitation and replacement projects



Addressing complex legislative and accountability reporting requirements



Returning transit ridership back to pre-pandemic levels and electrifying transit fleet



Continuing work with Province to advance Yonge North Subway Extension and advocating for Bus Rapid Transit funding



Expanding street trees and forestry portfolio



Preparing for Blue Box transition

Budget Highlights



PRIORITY: FOSTER ECONOMIC PROSPERITY

- Delivering proposed \$8.6B 10-year capital program
- Partnering with Province to advance Yonge North Subway Extension



PRIORITY: SUPPORT COMMUNITY WELL-BEING

- Delivering 123 billion litres of clean and safe drinking water to protect public health
- Addressing climate change through Corporate Climate Change Action Plan helps build community resilience and promotes well-being



PRIORITY: DRIVE ENVIRONMENTAL STEWARDSHIP

- Implementing Council-approved Transit and Fleet Electrification Plan
- · Maintaining high rates of waste diversion
- Promoting reduction and reuse initiatives
- Partnering with others to enhance cycling and walking options
- Planting over 70,000 trees and shrubs in 2024



PRIORITY: EFFICIENTLY DELIVER TRUSTED SERVICES

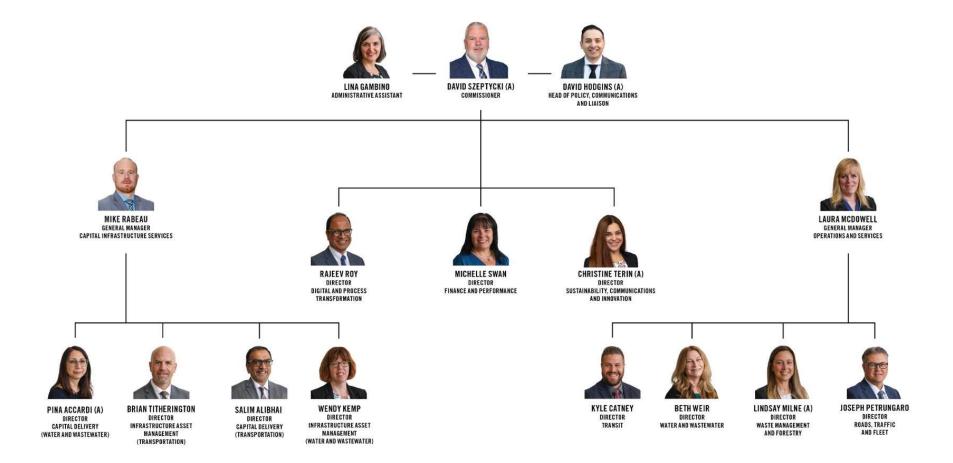
- Maintaining a safe and efficient road network and transit system
- Meeting traveller needs of today and the future

Ensuring Value For Money For Residents

Public Works services represent less than half of other annual household utility costs



Organizational Chart





PUBLIC WORKS - ENVIRONMENTAL SERVICES

Elevated Tank, Town of Newmarket



OPERATING BUDGET

Aurora East Elevated Tank, Town of Aurora

Leveraging Private and Public Sector Expertise in Delivery

WASTE



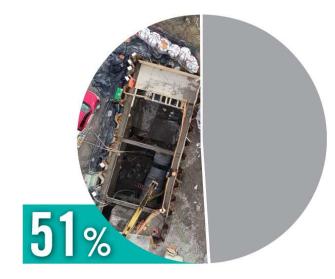
of direct costs are third party contracts

FORESTRY



of direct costs are contracted services for planting, maintenance and partnerships

WATER/WASTEWATER



of direct costs are purchased water and treatment

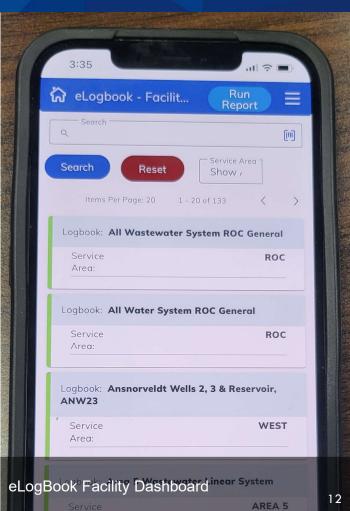
Driving Innovation in Service Delivery





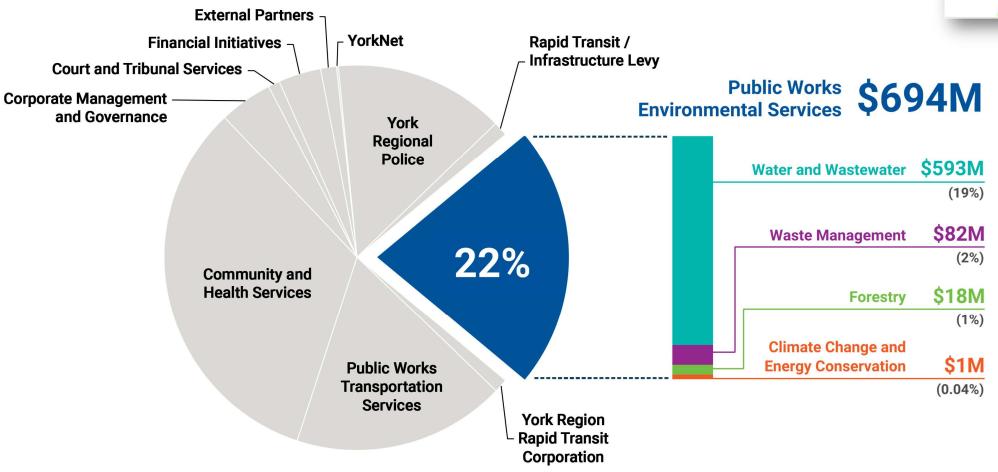


Award-winning Inflow and Infiltration Machine Learning Model

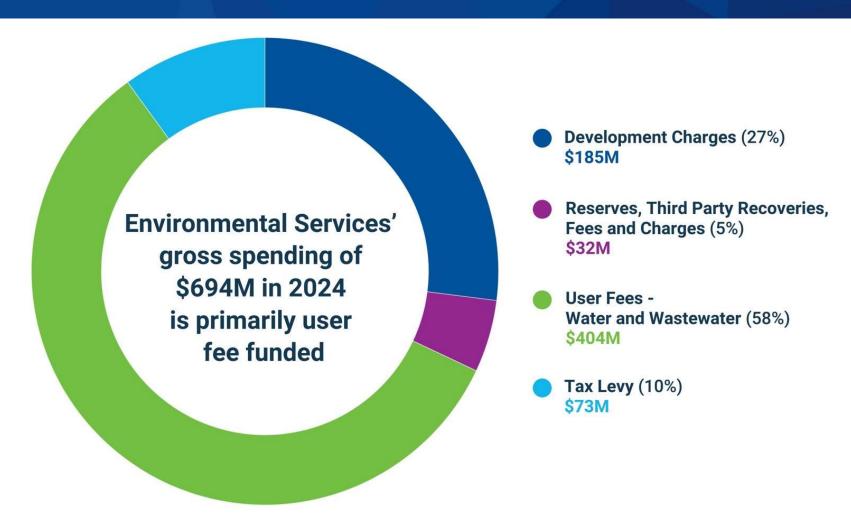


Environmental Services' Budget is 22% of the Region's Expenditures



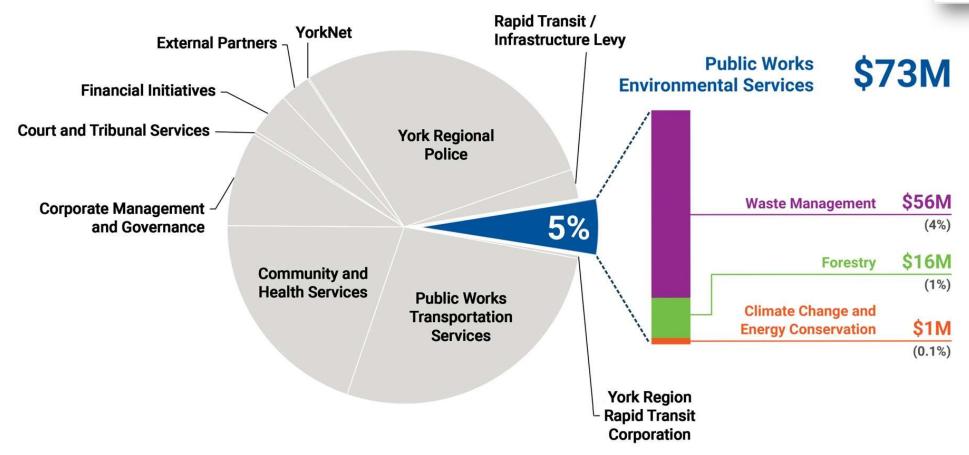


Budget is Funded Through Tax and Non-Tax Revenues



Environmental Services' Budget is 5¢ of Region's Tax Dollar





Operating Budget at a Glance



(in \$M)	APPROVED 2023	PROPOSED 2024	OUTI 2025	_OOK 2026
Proposed Budget (Net)	61.3	73.2	69.2	64.1
Total Budget Change		11.9	(3.9)	(5.1)
Restated Outlook		63.8	67.6	71.2
Increase / (Decrease) from Outlook		14.7%	2.5%	-9.9%

2024 Budget Change Highlights

Expenditures

- Increasing contractor costs and inflationary increases
- Increase in contributions to capital replacement reserves

\$17.0M **1**

\$9.1M **1**

Revenues

Increase in Water & Wastewater revenues

\$11.2M **1**

Efficiencies

 Rationalizing budget to better reflect expected spending \$3.0M **1**



Georgina Water Treatment Plant, Town of Georgina

Water and Wastewater Costs



\$79M OPERATING EXPENDITURES

Maintaining infrastructure, running equipment and employing highly-trained staff

\$106M PURCHASED SERVICES

Purchasing over 90% of our water from Toronto and Peel, and treating wastewater at Duffin Creek and Peel

\$199M FINANCING COSTS

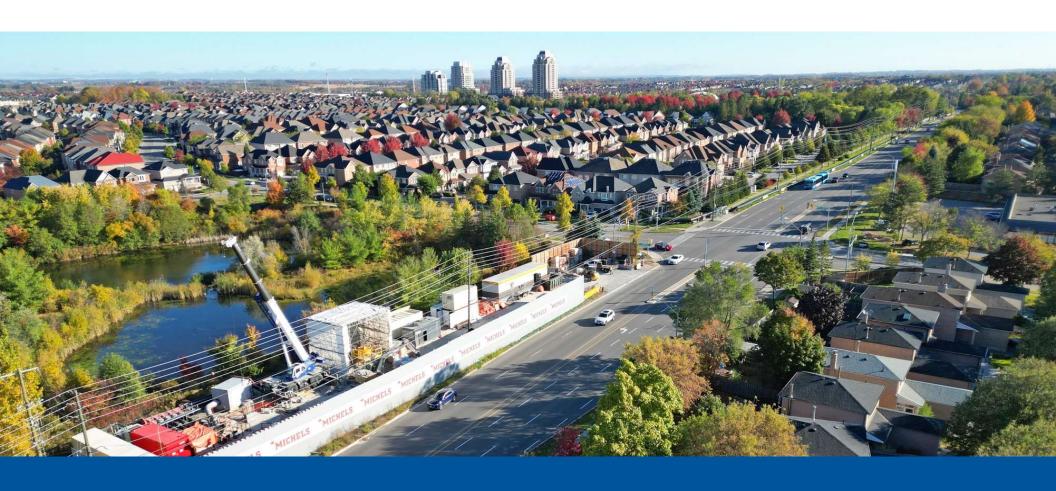
Paying principal and interest on money borrowed to build multi-billion dollar capital program

\$209M CONTRIBUTION TO RESERVES

Reserves ensure money is available to repair our assets and provide high level regulated services

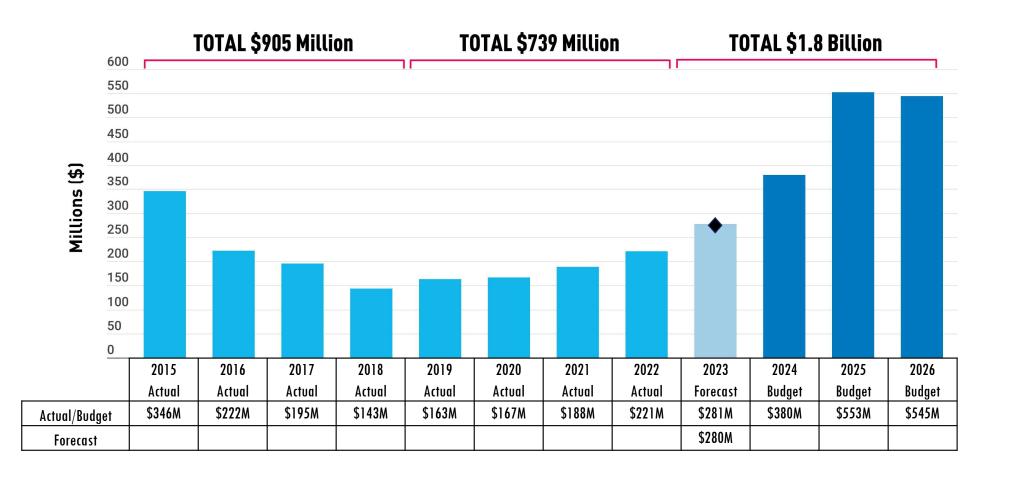
Ensuring Affordable Water





CAPITAL BUDGET

Environmental Services' Capital Investment



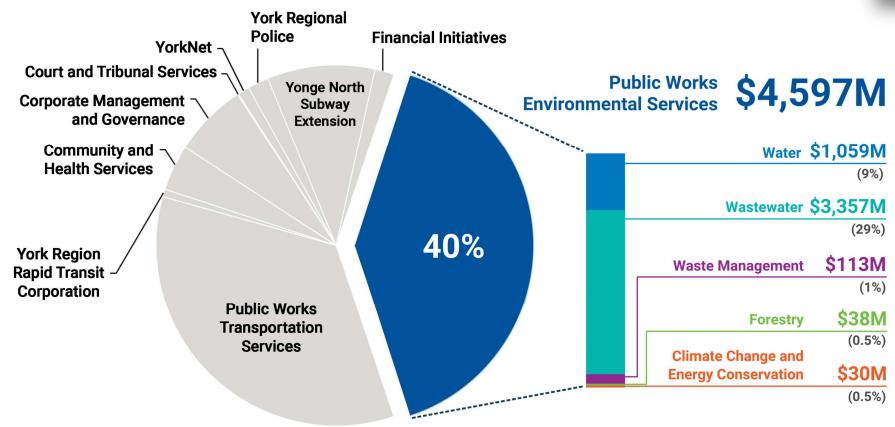
Capital Budget at a Glance

Capital Budget	Millions (\$)
2024 Capital	380.3
10-Year Capital Plan	4,596.7
Capital Spending Authority	2,317.9

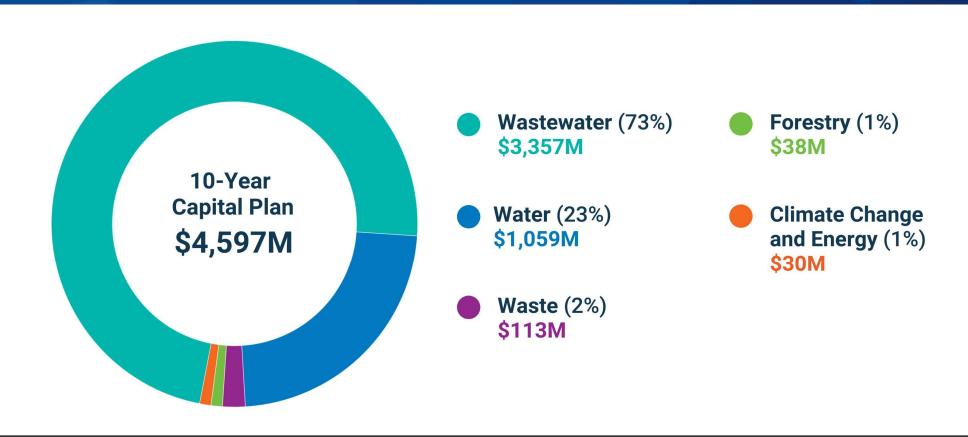


10-Year Capital Plan is 40% of Region's Plan

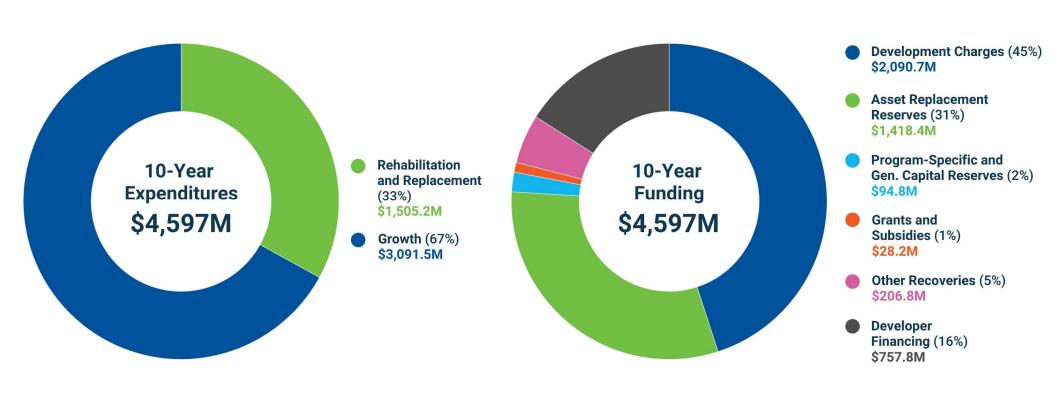




2024 Proposed 10-Year Capital Plan

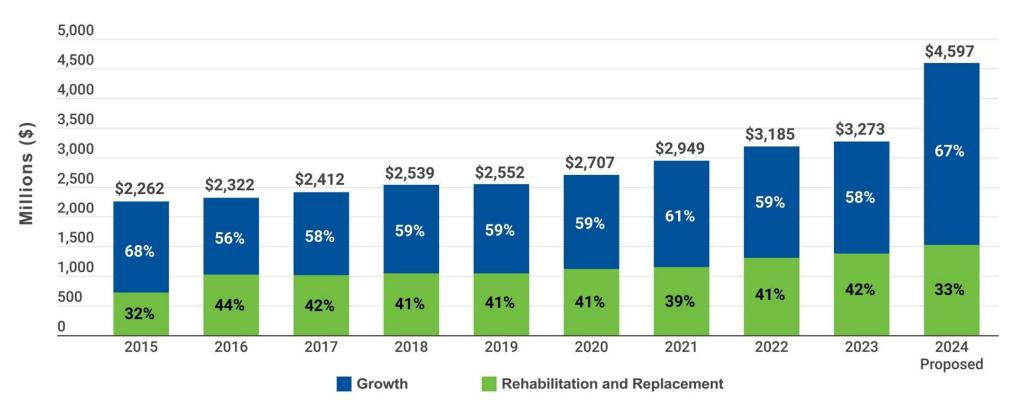


Capital Expenditures and Funding



2024 Capital Plan By Category

Environmental Services' 2024 10-year capital plan is \$4,597M, of which 67% is for growth and 33% is for rehabilitation and replacement



Key Deliverables in 10-year Capital Plan











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\$3,357M Total

WASTEWATER

\$2,445M Growth

\$912M
Rehabilitation
and
Replacement

\$1,059M Total

WATER

\$495M Growth

\$564M Rehabilitation and Replacement \$113M Total

WASTE

\$98M Growth

\$15M Rehabilitation and Replacement \$38M Total

FORESTRY

\$35M Growth

\$3M Rehabilitation and Replacement \$30M Total

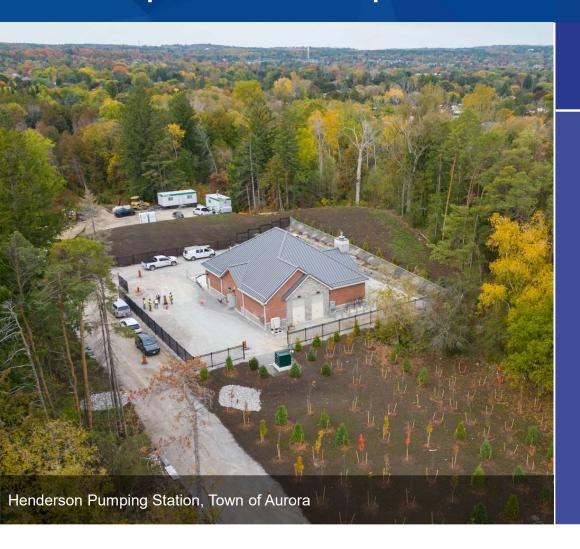
\$18M Growth

\$12M Rehabilitation and Replacement

Major Program Changes as a Result of Supporting Growth and Housing In York and Durham Regions Act, 2022

	Total 10-Year Plan (\$M)		
Project	In 2023 Plan	In 2024 Plan	Increase / (Decrease)
Bloomington Road Bayview Avenue AC Watermain		101	101
North Markham Water Servicing	45	69	24
Newmarket West Water Servicing	4	56	52
Yonge Street Sewer Twinning	41		(41)
Duffin Creek Water Pollution Control Plant Primary System Growth Expansions	12	346	334
North YDSS Expansion Program Management		14	14
North YDSS Expansion Phase 1		501	501
North YDSS Expansion Phase 2		577	577
North YDSS Expansion Phase 3		16	16
Wastewater Servicing for Aurora, East Gwillimbury and Newmarket (formerly UYSS)	433		(433)
Total	535	1,680	1,145

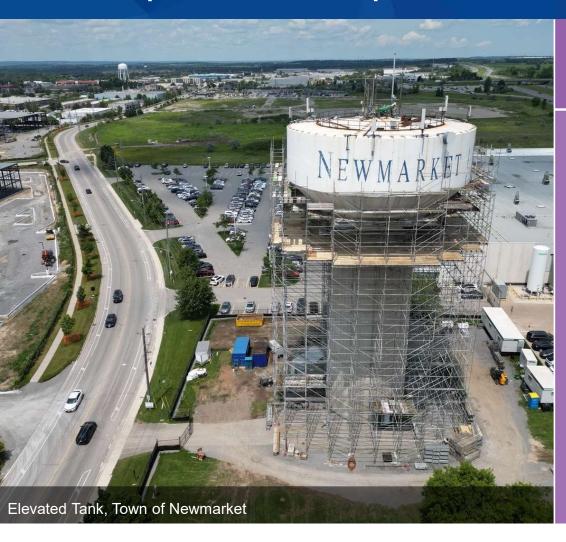
2024 Proposed 10-Year Capital Plan Deliverables





- 55 km of sewer
- 35 km of watermain
- 3 new sewage pumping stations
- 2 new water pumping stations
- 5 new water storage facilities
- 8 wastewater facility expansions
- 5 water facility expansions

2024 Proposed 10-Year Capital Plan Deliverables



REHABILITATION AND REPLACEMENT

22 km of watermain

15 km of sewer

10 km of forcemain

100+ chambers to be rehabilitated

7 surface water facility upgrades

3 water pumping stations upgrades

14 groundwater treatment facility upgrades

10 elevated tanks recoating and/or upgrades

5 in-ground storage reservoir rehabilitations

3 at-grade storage reservoir rehabilitations

Summary of the Capital Budget

- \$4.6B 10-year capital plan balances growth and rehabilitation and replacement investments totaling 40% of Region's 10-year capital plan
- Includes North YDSS Expansion Phase 1-2 to accommodate the Lake Ontario solution mandated by the Supporting Growth and Housing in York and Durham Regions Act
- Supply chain disruptions, cost escalation, approvals risk, potential misalignment between pace of growth and infrastructure timing are being monitored and mitigated through various mitigation strategies

Budget Summary

- Cumulative efficiencies and enhanced revenue of \$6.3M
- 10-year capital plan of \$4.6B delivers key projects while balancing growth and rehabilitation and replacement
- Resource requests support continued service delivery excellence











Multi-Year Budget Overview

Operating Budget					
(in \$M)	APPROVED 2023	PROPOSED 2024	OUTL0 2025	OUTLOOK 2025 2026	
Gross Expenditures	665.2	694.4	717.9	720.3	
Non-Tax Revenues	(603.9)	(621.2)	(648.7)	(656.2)	
Net Tax Levy	61.3	73.2	69.2	64.1	
FTEs - Total	501.3	518.6	534.6	547.6	
- New		17.3	16.0	13.0	
Capital Budget					
2024 Capital Expenditures	_			380.3	
10-Year Capital Plan				4,596.7	
Capital Spending Authority				2,317.9	

Delivering Value For Money for \$4 per Day













Budget Recommendations

- Committee of the Whole recommends the budget as submitted for Public Works Environmental Services as follows:
 - a. The 2024 operating budget and 2025 to 2026 operating outlook as summarized in Appendix A
 - b. The 2024 capital expenditures and Capital Spending Authority, as summarized in Appendix B
 - c. Accelerated Inclusion of Phases 2 and 3 for North YDSS (York Durham Sewage System) expansion project in the 10-year capital plan, in advance of inclusion in the next development charge bylaw update
 - d. That staff be directed to pursue senior government funding opportunities and developer prepaid agreements for Phases 2 and 3 for North YDSS
- 2. The recommended budget be consolidated by the Commissioner of Finance and Regional Treasurer for consideration by Council on December 21, 2023.
- 3. The Regional Solicitor be directed to prepare the necessary water and wastewater rate bylaws to incorporate the discounted wastewater rates reflected in the budget.



PUBLIC WORKS - TRANSPORTATION SERVICES



OPERATING BUDGET

Leveraging Private and Public Sector Expertise in Delivery

TRANSIT



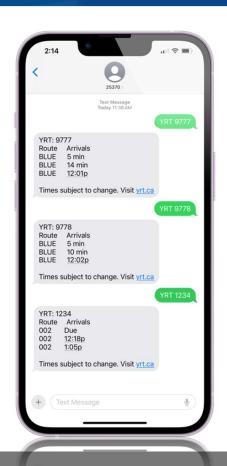
of direct costs are contracted services for providing transit service to travellers

ROADS



of direct costs are contracted services for maintenance of road network

Driving Innovation in Service Delivery









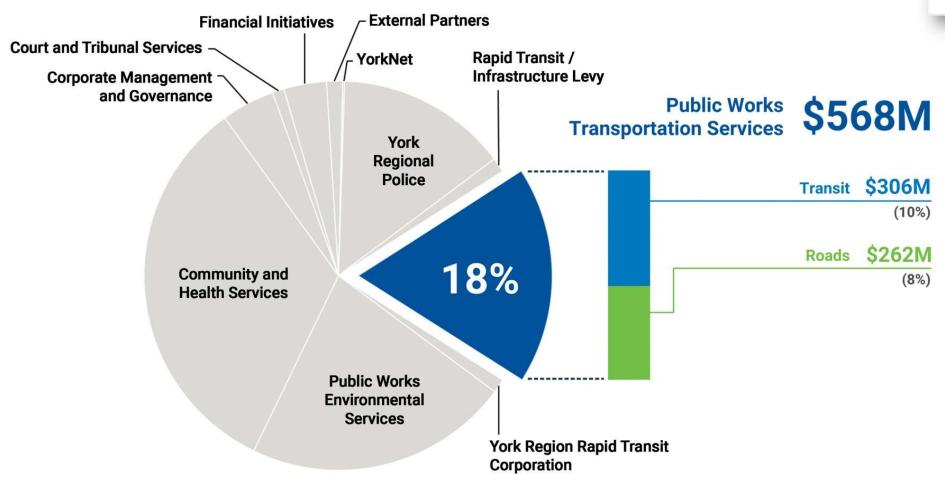
PRESTO contactless payment on YRT



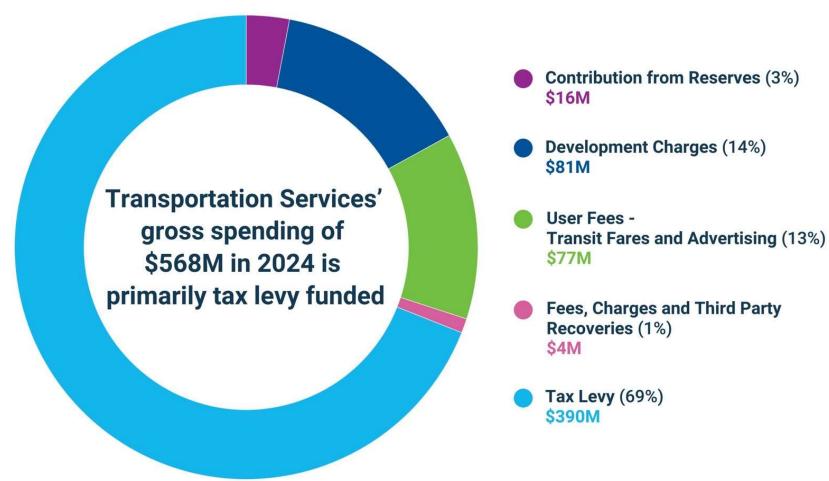
YRT SMS Real-time arrival times

Transportation Services' Budget is 18% of the Region's Expenditures



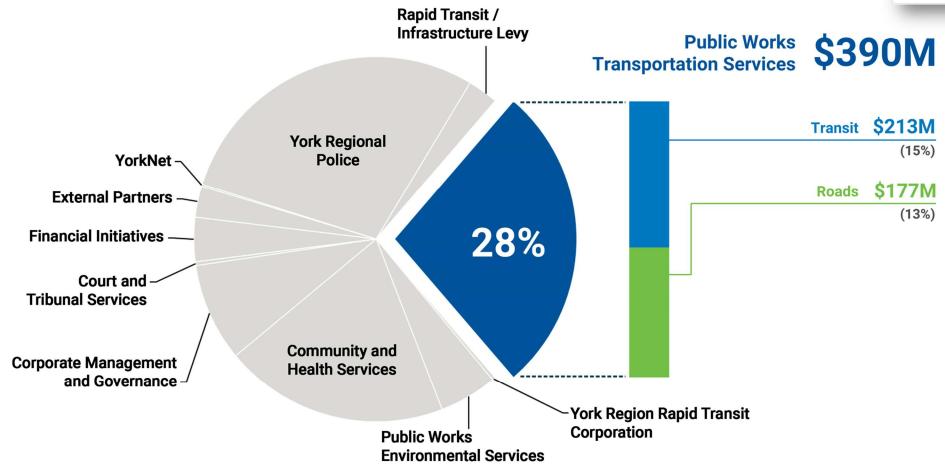


Budget is Funded Through Tax and Non-Tax Revenues



Transportation Services' Budget Is 28¢ of Region's Tax Dollar





Operating Budget at a Glance



(in \$M)	APPROVED 2023	PROPOSED 2024	OUTI 2025	_OOK 2026
Proposed Budget (Net)	387.4	390.1	413.0	429.6
Total Budget Change		2.7	22.9	16.6
Restated Outlook		404.5	419.8	427.9
Increase / (Decrease) from Outlook		-3.6%	-1.6%	0.4%

2024 Budget Change Highlights

Expenditures

- Increase in contributions to capital replacement reserves
- Increasing contractor costs and inflationary increases

\$9.2M **1**

\$4.0M **1**

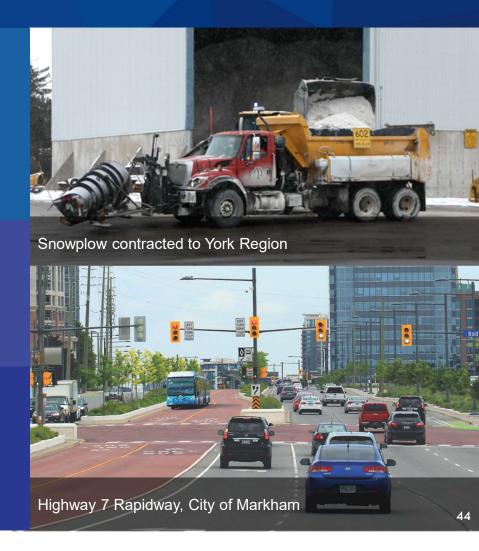
Revenues

 Increase in net transit revenues due to ridership and service recovery

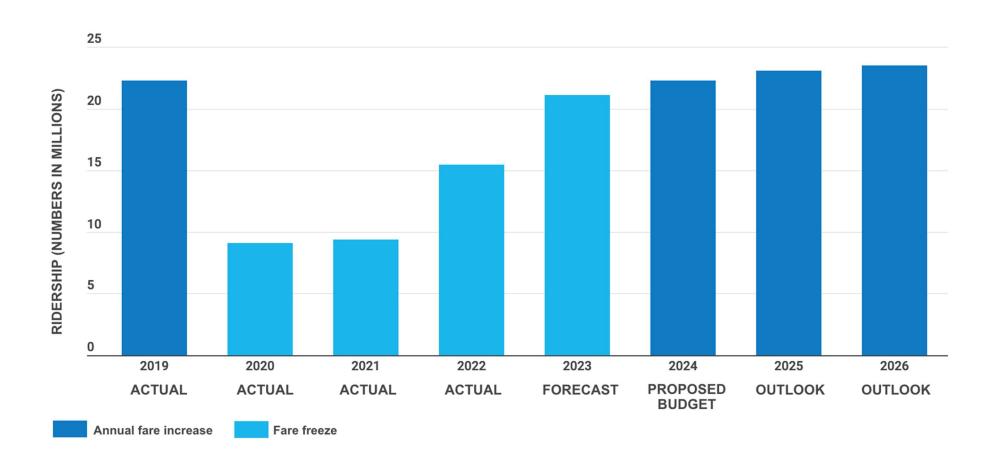
\$8.4M **1**

Efficiencies

 Rationalizing budget to better reflect expected spending \$2.1M**1**



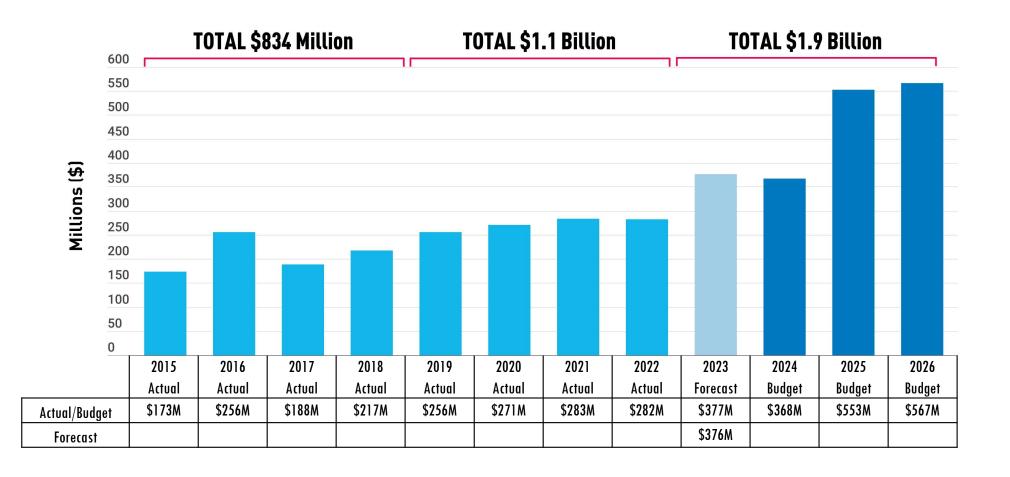
Transit Fare Increases are Required to Offset Operating Costs





CAPITAL BUDGET

Transportation Services' Capital Investment



Capital Budget at a Glance

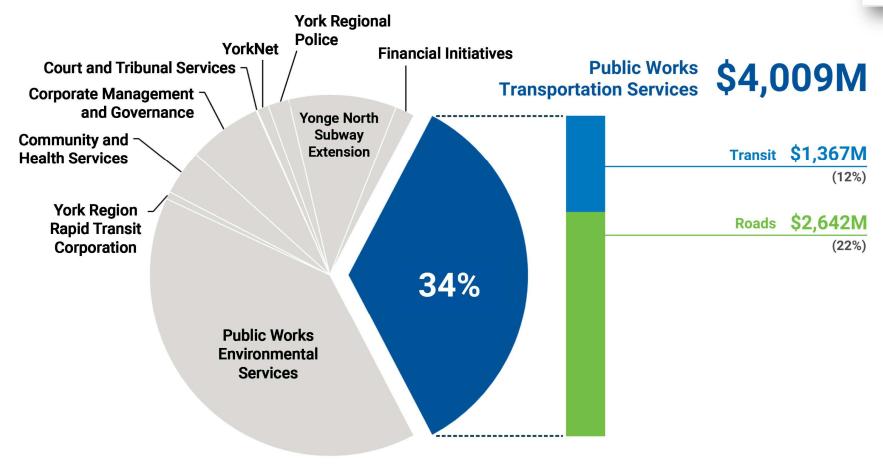
Capital Budget	Millions (\$)
2024 Capital	368.4
10-Year Capital Plan	4,008.9
Capital Spending Authority	1,864.9





10-Year Capital Plan is 34% of Region's Plan





2024 Proposed 10-Year Capital Plan



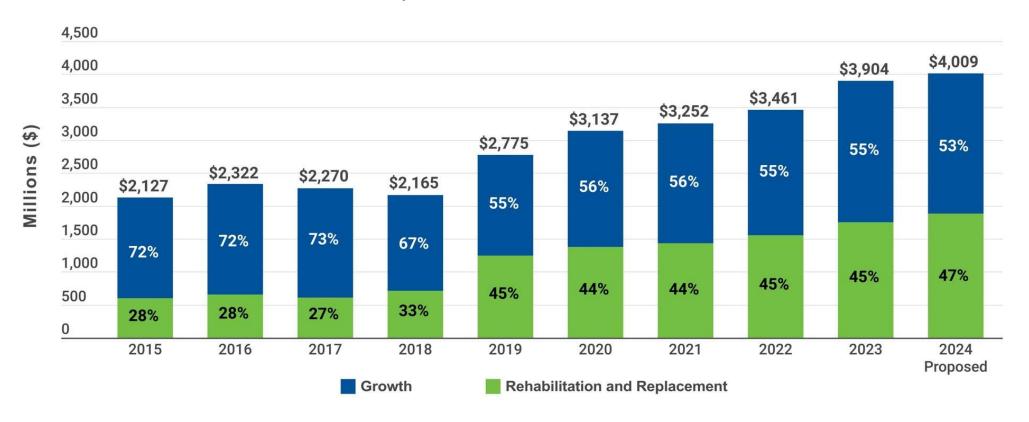
Transportation Services is 47% of Public Works' capital spending

Capital Expenditures and Funding



2024 Capital Plan by Category

Transportation Services' 2024 10-year capital plan is \$4,009M, of which 53% is for growth and 47% is for rehabilitation and replacement



Key Deliverables in 10-Year Capital Plan

ROADS

\$1,547MGrowth

\$1,095M Rehabilitation and Replacement

\$2,642M Total

TRANSIT

\$584M Growth \$783M
Rehabilitation and
Replacement

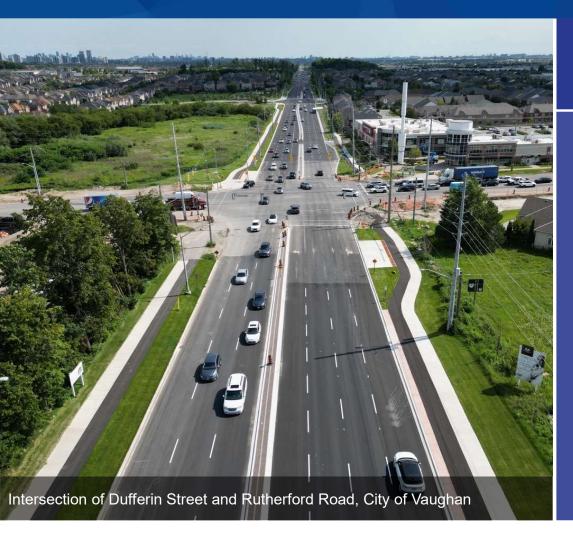
\$1,367M Total



Page



2024 Proposed 10-Year Capital Plan Deliverables





GROWTH

92 new lane kms

1 new grade separation

2 new mid-block crossings

130 intersection improvements

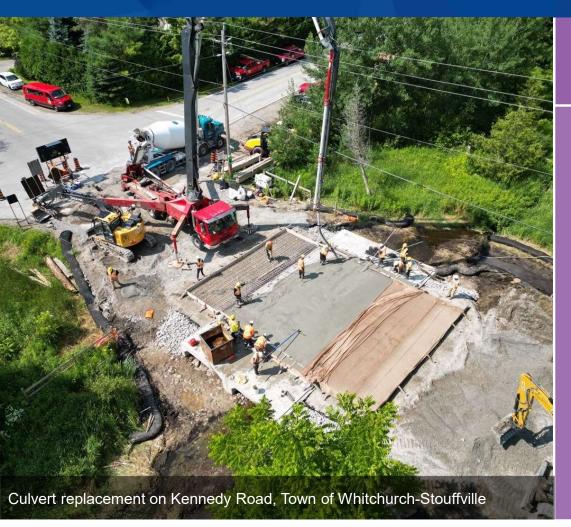
231 buses

208 electric charging stations

4 transit garage expansion projects

6 roads facilities projects

2024 Proposed 10-Year Capital Plan Deliverables





3,580 lane kms to be rehabilitated100 structures to be rehabilitated454 bus replacements433 bus rehabilitations and refreshes

2024 Transportation Initiatives





BASE MAP INFORMATION

△ Bridge Replacement/Improvement

Interchange/Intersection Improvement

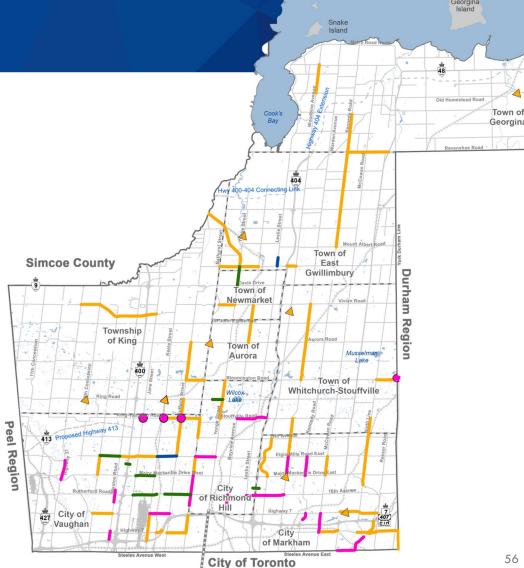
Yonge Street North Subway Extension (YNSE)

Provincial Freeway

—— Provincial Highway

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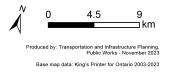


Fox Island

2024 10-Year Roads Growth Construction Program and 5-Year Asset Management Program

Program Type

Growth Capital Program (2024-2033) Asset Management (2024-2028)



BASE MAP INFORMATION

△ Bridge Replacement/Improvement

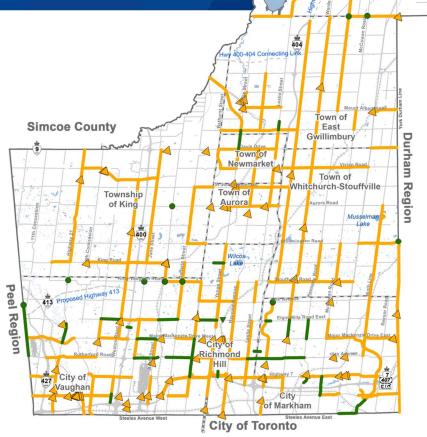
Interchange/Intersection Improvement

Yonge Street North Subway Extension (YNSE)

Provincial Freeway

Provincial Highway





Fox Island

57

Summary of Capital Budget

- \$4.0B 10-year capital plan balances growth and rehabilitation and replacement investments totaling 35% of Region's 10-year capital plan
- 10-year capital plan continues to reflect acceleration of electric bus adoption
- Significant inflationary pressures on Roads expansion projects and Transit fleet electrification offset by deferring facilities and reduced Transit fleet purchases
- Supply chain disruptions, cost escalation, approvals risk, potential misalignment between pace of growth and infrastructure timing are being monitored and mitigated through various mitigation strategies

Budget Summary

- Cumulative efficiencies of \$1.9M
- 10-year capital plan of \$4.0B delivers key projects while balancing growth and rehabilitation and replacement
- Resource requests support continued service delivery excellence













Multi-Year Budget Overview

Operating Budget				
(in \$M)	APPROVED 2023	PROPOSED 2024	OUTLOOK 2025 2026	
Gross Expenditures	541.0	568.4	596.5	610.6
Non-Tax Revenues	(153.6)	(178.3)	(183.5)	(181.0)
Net Tax Levy	387.4	390.1	413.0	429.6
FTEs - Total	546.1	575.9	598.9	608.9
- New		29.8	23.0	10.0
Capital Budget				
2024 Capital Expenditures	_	-		368.4
10-Year Capital Plan				4,008.9
Capital Spending Authority				1,864.9

Delivering Value For Money for \$3 per Day













Budget Recommendations

- 1. Committee of the Whole recommends the budget as submitted for Public Works Transportation Services as follows:
 - a) The 2024 operating budget and 2025 to 2026 operating outlook as summarized in Appendix A, which includes:
 - i. An annual 3 percent transit fare increase in July 2024 to address increasing service costs
 - b) The 2024 capital expenditures and Capital Spending Authority, as summarized in Appendix B
- 2. The recommended budget be consolidated by the Commissioner of Finance and Regional Treasurer for consideration by Council on December 21, 2023.