



Water & Wastewater



Interesting facts about this service

\$26 Billion

Asset value

**Incl. 4,700 km
water main and
3,710 km
sewer mains**

590 ML

**Average water
produced per day
with 339,000
water accounts
and 333,000
wastewater
accounts**

15,000

**Hydrants
inspected
every year**


475 km

**Sewer main
inspected
every year**

Awards




The Burnhamthorpe Water Project selected as recipient of the Tunnelling Association of Canada's Canadian Project of the Year Award



The Fletcher's Creek Trunk Sewer project received Honourable Mention at the 2021 North American Trenchless Technology Awards




An article on condition assessment and rehabilitation published in the Trenchless Technology magazine




A funding grant of \$8 million approved under the Investing in Canada Infrastructure Program (ICIP) for the Etobicoke creek overflow storage facility


Achievements



Ministry of the Environment, Conservation and Parks inspections of our 7 Drinking Water Systems, with an average score of 99%



Partnering with the Health Department and University of Waterloo in the Provincial program of ongoing surveillance of COVID-19 in Wastewater



Execution of the Inflow and Infiltration program has reduced the risk of basement flooding in the Region's most vulnerable areas

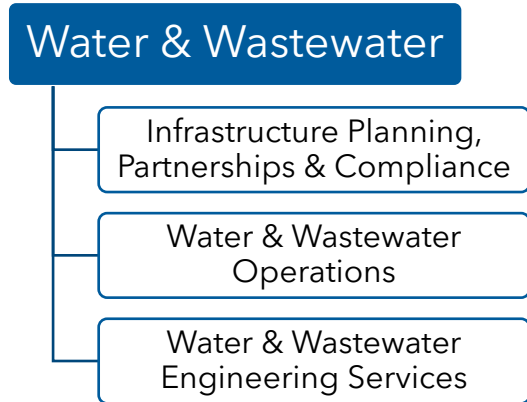


Partnering with the Lakeview Partners for the installation of District Energy systems for Environmental Sustainability using wastewater effluent

Service delivery model

How do we do it

- Delivering value
- Embracing innovation
- Investing in people
- Respecting the environment



Service levels and trends

10-year Capital Plan

In accordance with growth management & lifecycle asset management practices

Environmental Focus

Increasing energy recovery from treatment processes

Regulatory Compliance

Developing new strategies to address climate change ex. Algae blooms

Public Engagement

Increasing access to construction information

Business plan outlook

Planning for the future

- Align the capital program with Peel's new Official Plan
- Focus on innovation, new technology, best practices and partnerships
- Complete long term Asset Management Plans
- Develop a Maintenance Master Plan
- Employ a climate change lens on new capital and rehabilitation projects

Performance measures and results

Achieved \$6.6 million cost avoidance by participating in Industrial Conservation Initiative

Continued lowest water and wastewater rates in the Greater Toronto Area

Maintaining infrastructure in a rating of "good" condition or better

Inspection of over 15,000 hydrants, 25,000 valves and 20,000 manholes within water and wastewater systems

Proposed operating budget

2022 Net Base Budget (In \$Millions)	\$459.4
Cost to maintain 2022 service level	
<ul style="list-style-type: none"> Inflation: Labour costs/Goods and services Chemical cost increase Allocation of growth in corporate sustaining costs OCWA contractual cost increase Cost containment Electricity cost reduction Managing risk to increasing commodity price 	<ul style="list-style-type: none"> \$3.1 7.3 3.0 1.0 (0.7) (3.0) (4.5)
Sub-total: Cost to maintain 2022 service level	\$6.0
2023 Service demand	
<ul style="list-style-type: none"> Reserve contribution-5% levy New FTE requests (net of capital recovery) 	<ul style="list-style-type: none"> \$22.6 0.2
2023 Proposed Net Budget Change from 2022	\$28.8
Proposed Total 2023 Net Budget	\$488.2

Cost containment

Finding efficiencies

Efficiencies in the 2023 Budget	Cost Savings \$ Million	Cost Avoidance \$ Million
Process improvement	\$0.1	\$0.03
Line by line review	\$0.6	-
TOTAL	\$0.7	\$0.03

- Process improvement: e-billing provides digital water bill payment and services, improving customers experience and saving \$100K
- Line by line review on a variety of operating accounts, resulting in a reduction of \$630K
- Cost avoidance of \$33K by implementing digital asset management and remote preventative maintenance system

Mitigating Funding Gap

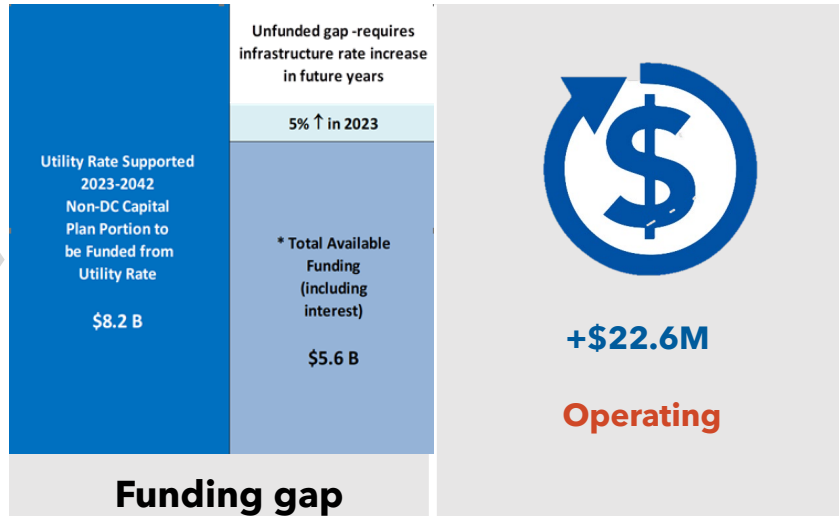
NEW
in 2023

Infrastructure Levy

Service Pressure

Aging infrastructure and the addition of new assets

Investment



Service Outcome

Peel's infrastructure is maintained in a state of good repair

2023 Budget Request #48

NEW
in 2023

Water and Wastewater operations

Service Pressure

Meeting demands for on-going construction project support related to system growth

Investment



4 front line operators to address the demand



+\$0.5M
(100% funded from capital)
No Operating Impact

Service Outcome

Safe, reliable and high quality drinking water
Remove wastewater in a safe and environmentally responsible manner

2023 Budget Request #49

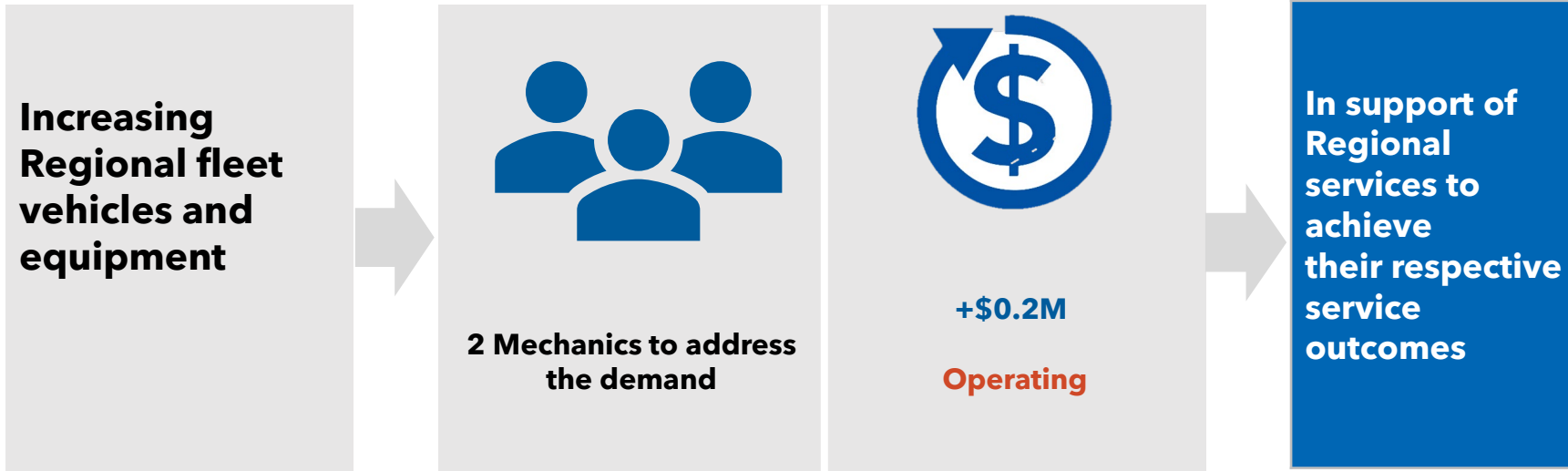
NEW
in 2023

Fleet Operations

Service Pressure

Investment

Service Outcome



2023 Budget Request #50

NEW
in 2023

Health and Safety

Service Pressure

Ensuring effective management of Health & Safety requirements and compliance with applicable legislation



Investment



1 Health & Safety specialist to address the demand



+\$0.1M

Operating



Service Outcome

In support of Regional services to achieve their respective service outcomes

2023 Budget Request #51

NEW
in 2023

Excess Soil

Service Pressure

Ensuring compliance with the new Excess Soils Management Regulation



Investment



1 project manager to address the demand



+\$0.1M
(100% funded from capital)
No Operating impact



Service Outcome

In support of Regional services to achieve their respective service outcomes

2023 Budget Request #46

NEW
in 2023

Soils Management Facilities (Dewatering)

Service Pressure

Ensuring compliance with the new Excess Soils Management Regulation



Investment



Construction of two (2) soil management facilities at existing Public Works facilities



+\$1.0M

Capital



Service Outcome

In support of Regional services to achieve their respective service outcomes

2023 Budget Request #43

NEW
in 2023

Billing system upgrade

Service Pressure

Addressing software security challenges and eliminating unsupported applications



Investment



Achieve a service level enhancement by upgrading the billing system to the Cloud version



+\$1.9M

Capital



Service Outcome

In support of Regional services to achieve their respective service outcomes

2023 Budget Request #44, #47

Operations Support Facility Expansion/Replacement (Wolfedale and Victoria Yards)

NEW
in 2023

Service Pressure

Investment

Service Outcome



2023 Budget Request #45

NEW
in 2023

Electrical Vehicle Charging infrastructure

Service Pressure

Supporting Council approved greenhouse gas reduction targets



Investment



Installation of Electrical Vehicle Charging infrastructure at various Public Works facilities



+\$2.0M

Capital



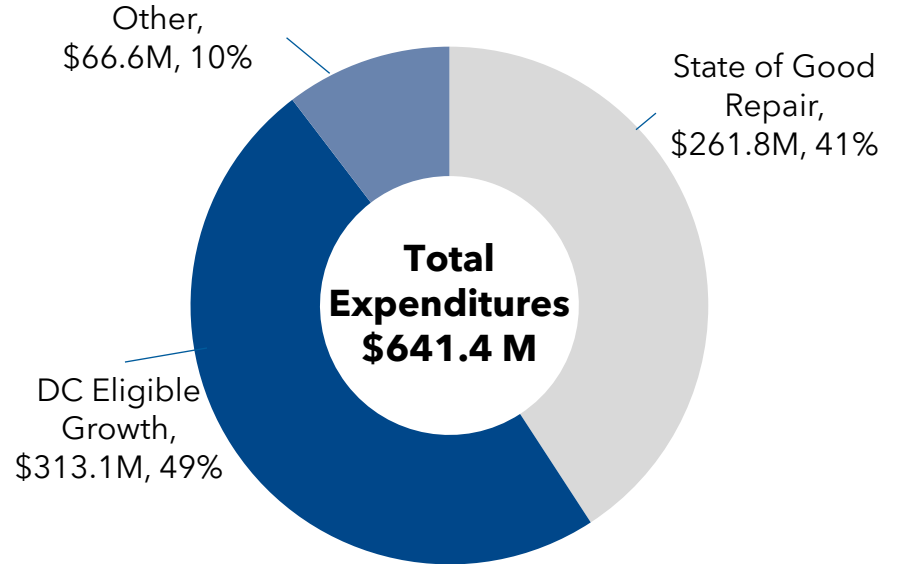
Service Outcome

In support of Regional services to achieve their respective service outcomes

2023 1-Year Capital Budget \$641.4 million

Key highlights

- \$144.5M For water main replacement and construction
- \$139.7M For expansion of Water Resource Recovery Facilities
- \$120.8M For wastewater collection main replacement and construction
- \$71.4M For pumping station expansion, rehabilitation and water treatment plant equipment replacement

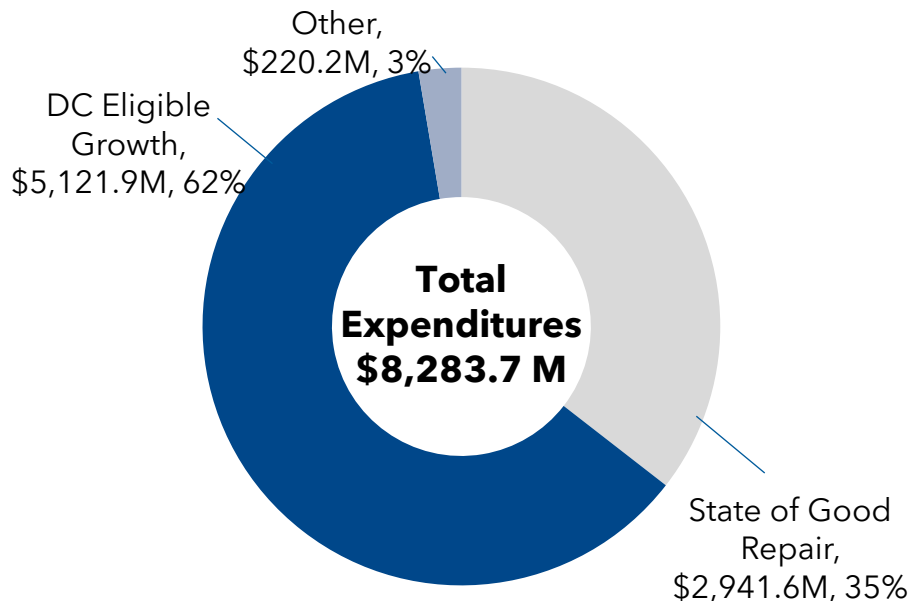


Capital Reserves	Development Charges (DC)	External Funding
\$329.2M; 51%	\$312.2M; 49%	\$0.0, 0%

2023 10-Year Capital Plan \$8,283.7 million

Key highlights

- \$2,143.3M For wastewater collection main construction and replacement
- \$2,047.4M For expansion of Water Resource Recovery Facilities
- \$1,921.7M For watermain construction and replacement
- \$1,035.7M For water treatment plant equipment replacements, pumping station rehabilitation and expansion



Capital Reserves	Development Charges (DC)	External Funding
\$3,440.4M; 42%	\$4,830.2M; 58%	\$13.1M, 0%

Summary of Key Financial Information

	Resources to Achieve Level of Service		
	2022	2023	
Net Expenditures (\$M)	\$502.3	\$531.2	
Revenues excl. Peel Required Billings (\$M)	\$42.9	\$43.0	
Peel Required Billings (\$M)	\$459.4	\$488.2	
Full-time Staffing Resources	585	592	
Capital Investment (\$M)		\$641.4	
10-Year Capital Investment (\$M)		\$8,283.7	
Outlook Years	2024*	2025*	2026*
Net Billing Increase (\$M)	\$35.6	\$34.0	\$35.8
Utility Rate % Increase	6.8%	5.8%	6.0%

*Includes the 5% infrastructure levy, but will be reassessed based on the recommendations from the Utility Long Term Financial Plan