



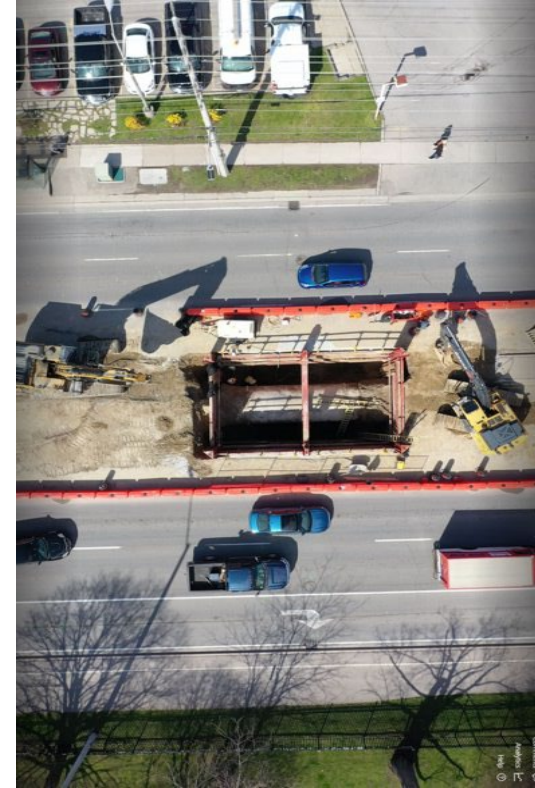
# Water and Wastewater

Providing clean water for life



## Core Service

- To deliver a world-class Water and Wastewater service network while respecting the environment and employing resource recovery principles



# Interesting facts about this service

**\$28.5  
Billion**

**Asset value**

**Incl. 4,780 km  
water main and  
3,730 km  
sewer mains**

**600 ML**

**Average water  
produced per day**

**with  
341,370 water  
accounts and  
335,000  
wastewater  
accounts**

**13,000**

**Hydrants  
inspected  
every year**


**276 km**

**Sewer main  
inspected  
every year**


## Awards



2023 Climate Action Award from Ontario Water Works Association and Water Environment Association of Ontario (OWWA/WEAO)



2023 & 2021 WEAO George W. Burke Award for Health and Safety




2023 OPWA Project of the Year Award for the GE Booth Resource Recovery Facility Site Preparation Contracts for New Plant 1




2023 Infrastructure Award of Excellence from the Greater Toronto Sewer and Water Construction Association (GTSWCA)


## Achievements



Ministry of the Environment, Conservation and Parks inspections of our 7 Drinking Water Systems, with most recent complete inspection report rating of 100%



Partnering with Health in the Provincial Wastewater Surveillance Program for the detection 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

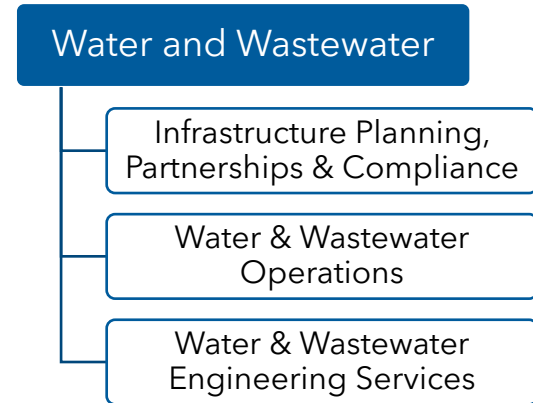


Partnering with the Lakeview Partners for the installation of District Energy systems for Environmental Sustainability using wastewater effluent

# 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

Alignment with growth & lifecycle asset management practices

## Environmental Focus

Increasing energy recovery from treatment processes

## Regulatory Compliance

Developing new strategies to address impacts of climate change ex. Algae blooms

## Public Engagement

Increasing access to construction information and impacts

# 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 13,000 hydrant, 2,600 valves and 10,600 manholes within water and wastewater systems

# Cost containment

## Finding efficiencies

Efficiencies in the 2024 Budget	Cost Savings \$ Million	Cost Avoidance \$ Million
Process improvement	\$0.1	-
Line by line review	\$0.7	-
<b>TOTAL</b>	<b>\$0.8</b>	<b>\$</b>

- Process improvement: Implementation of on line billing portal and enhancement of meter readings resulting in savings \$160K and \$75K respectively. (50% of savings is allocated to Tax)
- Line by line review on a variety of operating accounts, resulting in a reduction of \$647K

# Proposed operating budget

<b>2023 Net Base Budget</b> (In \$Millions)	<b>\$488.2</b>
<b>Cost to maintain 2023 service level</b>	
<ul style="list-style-type: none"> <li>Inflation: Labour costs/Goods and services</li> <li>Chemical cost increase</li> <li>Allocation of growth in corporate sustaining costs</li> <li>OCWA contractual cost increase</li> <li>Electricity cost increase</li> <li>Managing risk to increasing commodity price</li> <li>Base subsidy/recoveries</li> <li>Cost containment</li> </ul>	<ul style="list-style-type: none"> <li>\$3.7</li> <li>3.4</li> <li>0.9</li> <li>1.9</li> <li>1.2</li> <li>2.7</li> <li>(0.3)</li> <li>(0.8)</li> </ul>
<b>Sub-total: Cost to maintain 2023 service level</b>	<b>\$12.6</b>
<b>2024 Service demand</b>	
<ul style="list-style-type: none"> <li>Reserve contribution - 5.3% levy</li> <li>New FTE requests (net of capital recovery)</li> </ul>	<ul style="list-style-type: none"> <li>25.5</li> <li>1.0</li> </ul>
<b>2024 Proposed Net Budget Change from 2023</b>	<b>\$26.5</b>
<b>Proposed Total 2024 Net Budget</b>	<b>\$527.3</b>

# Mitigating Funding Gap

**NEW**  
in 2024

## 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**

# 2024 Budget Request

## #26,27,28,29,33,34,35,36,37,38

**NEW**  
in 2024

### Increase output driven by growth and development

Service Pressure

Investment

Service Outcome



# 2024 Budget Request #22,23,24,78

**NEW**  
in 2024

## Corporate support (IT, capital acquisitions, HR, facility)

### Service Pressure

To support the increasing projects and initiatives in Water and Wastewater as well as other services



### Investment



10 permanent staff to address the demand



+\$0.4M  
Operating



### Service Outcome

In support of Regional services to achieve their respective service outcomes

# 2024 Budget Request #21

**NEW**  
in 2024

## Water and Wastewater operations

### Service Pressure

Meeting maintenance target related to system growth



### Investment



5 front line operators and 1 foreperson to address the demand



+\$0.4M  
Operating



### Service Outcome

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

# 2024 Budget Request #25,30,31

**NEW**  
in 2024

## Regulatory changes and compliance

### Service Pressure

To meet regulatory changes and compliance



### Investment



4 permanent staff to address the demand



+\$0.0M  
Operating



### Service Outcome

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



# 2024 Budget Request #122

**NEW**  
in 2024

## Technology-Business information modelling

**Service Pressure**

To improve project efficiency across water and wastewater sections



**Investment**



**+\$3.5M**  
**Capital**



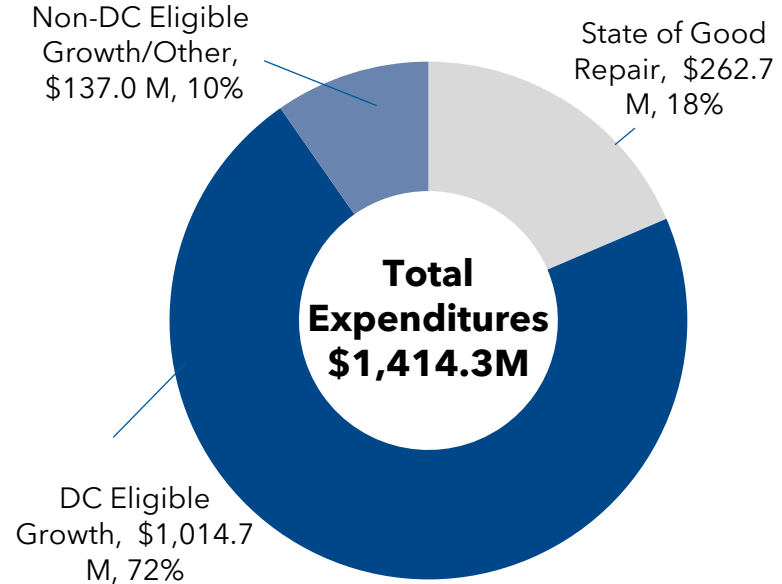
**Service Outcome**

In support of Regional services to achieve their respective service outcomes

## 2024 1-Year Capital Budget \$1,414.3 million

### Key highlights

- \$459.6M for wastewater collection main replacement and construction
- \$384.2M for water main replacement and construction
- \$272.5M for expansion of Water Resource Recovery Facilities
- \$97.7M for pumping station expansion, rehabilitation and water treatment plant equipment replacement
- \$59.8M for condition asset and replacement

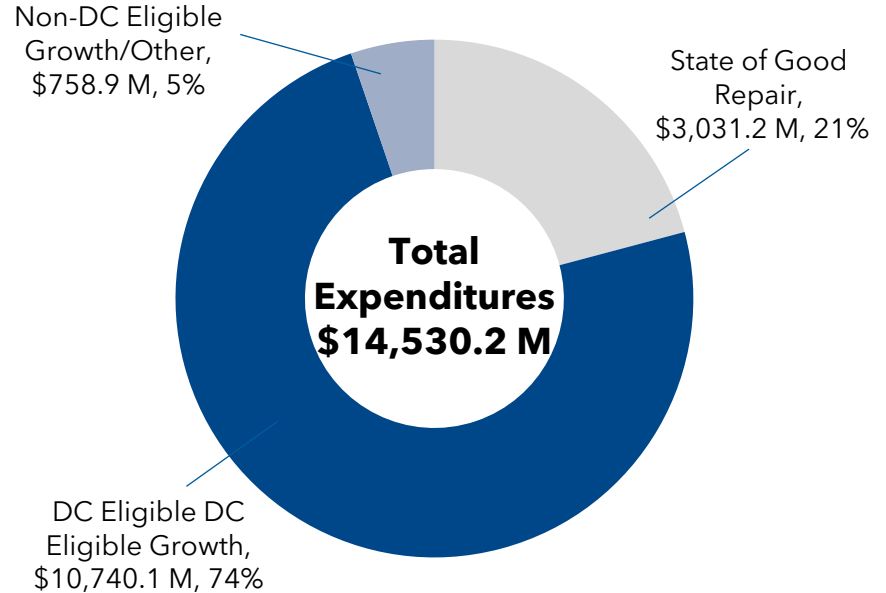


Capital Reserves	Development Charges (DC)	External Funding
\$387.0M; 27%	\$1,016.8M; 72%	\$0.01M; 1%

# 2024 10-Year Capital Plan \$14,530.2 million

## Key highlights

- \$4,740.8M for wastewater collection main construction and replacement
- \$4,081.2M for water main construction and replacement
- \$2,088.2M for water treatment plant and pumping station expansion & rehabilitation
- \$1,943.6M for expansion of Water Resource Recovery Facilities
- \$797.5M for Condition Asset and Replacement



Capital Reserves	Development Charges (DC)	External Funding
\$3,763.3M; 26%	\$10,743.7M; 74%	\$23.3M; 0%

# Summary of Key Financial Information

	Resources to Achieve Level of Service			
	2023	2024		
Net Expenditures (\$M)	\$531.2	\$572.1		
Revenues excl. Peel Required Billings (\$M)	\$43.0	\$44.7		
Peel Required Billings (\$M)	\$488.2	\$527.3		
Full-time Staffing Resources	591.7	618.9		
Capital Investment (\$M)		\$1,414.3		
10-Year Capital Investment (\$M)		\$14,530.2		
Outlook Years	2024	2025*	2026*	2027*
Net Billing Increase (\$M)	\$39.1	\$33.3	\$35.4	\$38.3
Utility Rate % Increase	6.8%	5.6%	5.9%	6.0%

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