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COMMUNICATION	
cw(ws) Mar 7/18	
ITEM -	4

Water, Wastewater and Stormwater Update 2017

Committee of the Whole (Working Session)



Purpose

- Provide Council with an update of the activities to support:
 - Safe drinking water
 - Effective wastewater collection
 - Stormwater Management
- Review Statutory Standard of Care for Owners of Drinking Water Systems and Individual Members of Council



Modernizing the Delivery of Environmental Services: *Leaders in a Greener Future*



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Water Distribution and Wastewater Collection Systems

WHERE YOUR MUNICIPAL WATER DOLLARS GO

York Region

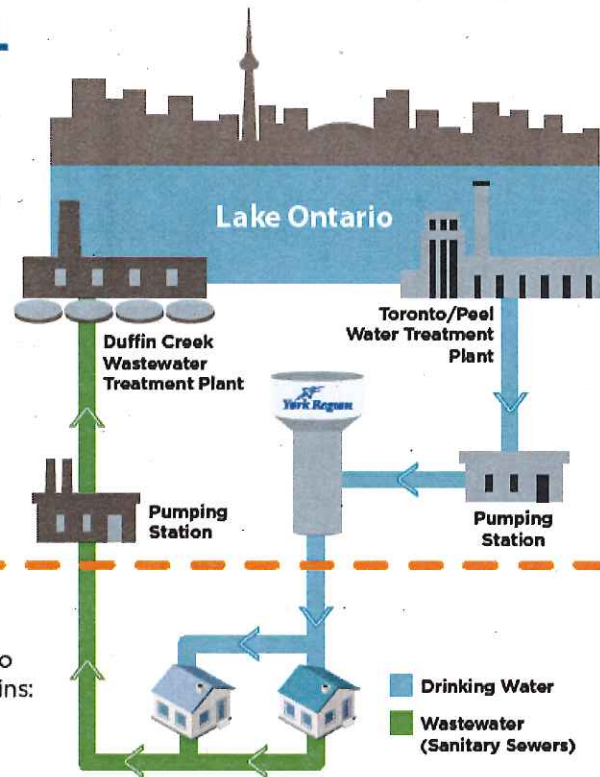
Purchases treated drinking water from Peel Region and the City of Toronto and uses advanced technology to treat wastewater. Managing 333 million litres of water per day, York Region's \$6.3 billion water system includes:

- Over 675 kilometres of pipes
- 45 reservoirs and water towers
- 40 wells
- 21 water pumping stations
- 3 water treatment plants
- 21 wastewater pumping stations
- 8 wastewater treatment plants

City of Vaughan

Purchases its water and wastewater treatment from York Region and provides these services to its residents. The City also operates and maintains:

- 1 water pumping station
- 1 pressure elevating system
- 9 wastewater pumping stations
- Over 1,800 kilometres of pipes



Water Operations and Compliance



100% Inspection Rating



Statutory Standard of Care Embedded in the Safe Drinking Water Act

If the system is owned by a municipality, every person who, on behalf of the municipality, oversees the accredited operating authority of the system or exercises decision-making authority over the system 2002, c. 32, s. 19 (2).

Owners of a Drinking Water System (Council) and **Top Management** (DCM, Public Works, Director, Environmental Services, Manager, Water Services, Supervisor(s), Water Services, Supervisor, Compliance and Business Services)

Exercise the level of care, diligence and skill in respect of a municipal drinking water system that a reasonably prudent person would be expected to exercise in a similar situation; and act honestly, competently and with integrity, with a view to ensuring the protection and safety of the users of the municipal drinking water system. 2002, c. 32, s. 19 (1).



Wastewater Operations



Water and Wastewater Projects

Monitor System
Performance

Condition
Assessment

Replacements

Repairs to
Extend Life of
Pipes

Non Revenue
Water Analysis

Improve
Customer
Service

Added 21,163
metres of
watermain

Water and
Sewer Servicing
Strategies



Stormwater Management



Stormwater Operations



Stormwater Projects

Pond Cleanouts

Repairs to
Extend Life

Culvert
Replacement

New stormwater
outfalls to
improve flow



Education and Outreach



Environmental Services Staff



Questions?



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