

Infrastructure projects identified through the 2022 Water and Wastewater Master Plan (not including Upper York Sewage Solutions)

Project description	Estimated expenditures 2022-2051 (000's)	Planned implementation timeframe
Cost-shared programs		
Toronto Water Supply - Cost-Shared Works Continue implementation of cost-shared capital projects within the City of Toronto to permit gradual increase of water supply to York Region in accordance with current Servicing Agreement.	\$ 77,800	Ongoing
Peel Water Supply - Cost-Shared Works Continue implementation of cost-shared capital projects within Region of Peel to permit gradual increase of water supply to York Region in accordance with current Servicing Agreement.	\$ 16,160	Ongoing
Peel System Cost-Shared Works Continue implementation of cost-shared projects in the Region of Peel to allow diversion of York wastewater flows for treatment in Peel wastewater system in accordance with current Servicing Agreement.	\$ 8,370	Ongoing
Water and wastewater treatment		
Duffin Creek Water Pollution Control Plant Outfall Effluent Strategy Optimize capacity of existing Duffin Creek Water Pollution Control Plant Outfall.	\$ 12,340	2022 - 2031
Duffin Creek Water Pollution Control Plant Stage 1 and 2 Chlorine Chamber Expansion Construct a new chlorine contact chamber to increase the Duffin Creek Water Pollution Control Plant disinfection capacity.	\$ 15,480	2022 - 2031
Holland Landing Lagoon Decommissioning Decommission Holland Landing Lagoons following commissioning of the new Water Reclamation Centre.	\$ 1,100	2022 - 2031
Keswick Wastewater Servicing Increase capacity of Keswick Water Resource Recovery Facility as recommended in the completed Class Environmental Assessment and implement growth related upgrades at Keswick Sewage Pumping Station.	\$ 41,820	2022 - 2041
Nobleton Wastewater Servicing Increase capacity of the Nobleton wastewater system to accommodate the population identified in the recently completed Class Environmental Assessment.	\$ 21,970	2032 - 2041
Nobleton Water Servicing Increase Nobleton well supply capacity in coordination with wastewater treatment expansion to accommodate the population identified in the recently completed Class Environmental Assessment.	\$ 7,600	2032 - 2041

Georgina Water System Upgrades Expand Georgina Water Treatment Plant to its ultimate permitted capacity of 50 million litres per day and upgrade Georgina Water System disinfection system to allow integration with York Water System.	\$ 21,810	2032 - 2041
Duffin Creek Water Pollution Control Plant Growth Expansions Implement several upgrades to optimize and/or expand Duffin Creek Water Pollution Control Plant beyond the current capacity including a new outfall to accommodate growth in the York Durham System service area. Upgrades to be implemented in phases and are expected to be confirmed by future planning and EA studies.	\$ 757,900	2032 - 2051
Sutton Wastewater Servicing Expand Sutton Water Resource Recovery Facility to service growth in Sutton as recommended by the completed Class Environmental Assessment study and increase capacity of High Street and Woodriver Bend Sewage Pumping Stations.	\$ 56,320	2032 - 2041

Transmission, conveyance and pumping projects

West Vaughan Water Servicing Phase 1 - Improve pressure district interconnection in the Woodbridge service area prior to storage expansion. Phase 2- Increase storage capacity in Woodbridge and Kleinburg to accommodate growth in West Vaughan.	\$ 25,020	2022 - 2031 2032 - 2041
York Peel Feedermain Upgrade Install three pressure reducing valves along connection points to the York-Peel Feedermain to maintain acceptable pressures within Pressure District 6 distribution system as Peel supply increases to meet system demands.	\$ 3,400	2022 - 2031
Northeast Vaughan Water Servicing Construct new Pressure District 8 and 9 pumping stations, two new Pressure District 8 elevated tanks and associated watermains to connect the Northeast Vaughan urban expansion area to the existing system as recommended by the completed Northeast Vaughan Class Environmental Assessment.	\$ 100,040	2022 - 2031
Richmond Hill Langstaff Gateway Provincial Urban Growth Centre Water Servicing Install water system connections to service the proposed urban growth centre in Pressure District 6 as recommended by the completed Class Environmental Assessment.	\$ 3,550	2022 - 2031
Aurora East Booster Pumping Station Upgrades Expand Aurora East Booster Pumping Station capacity including pipe upgrades and dedication of watermains to service growth in the east area of the north system.	\$ 11,440	2022 - 2031
Orchard Heights Reservoir Inlet Upgrade Increase size of inlet and outlet piping at Orchard Heights Reservoir to facilitate increase of Lake Ontario water supply into communities in the north system as demand increases.	\$ 1,550	2022 - 2031

Eagle to Kirby Pumping Station Watermain Install a new transmission main to connect Yonge Street watermain to the Glenway Reservoir and facilitate filling of the reservoir as demand increases due to growth in Newmarket Central and Newmarket West Pressure Districts.	\$ 11,950	2022 - 2031
Newmarket West Water Servicing Expand Kirby Pumping Station capacity and construct a new elevated tank and associated watermain to service growth in the Newmarket West Pressure District.	\$ 28,570	2032 - 2041
Green Lane Leslie Street Watermain Phase 1 - Install a new transmission main along Green Lane to service growth and allow connection of Newmarket and East Gwillimbury delivery systems. Phase 2 - Install a new transmission main along Leslie Street to bring additional Lake Ontario supply as demand increases in the northeast parts of the system.	\$ 30,990	2022 - 2031 2032 - 2041
East Gwillimbury Water Servicing Phase 1 - Install a new transmission main to accommodate growth along Woodbine Avenue corridor. Phase 2 - Install a new transmission main Queensville Sideroad to provide additional supply to Holland Landing.	\$ 42,820	2022 - 2031 2042 - 2051
West Vaughan Sewage Servicing Phase 1 - Increase capacity of Humber Sewage Pumping Station and construct a new gravity sewer to service growth in western parts of Vaughan as recommended by the completed Class Environmental Assessment study. Phase 2 - Construct a gravity sewer from the Kleinburg Water Resource Recovery Facility to connect to the north end of West Vaughan Sewage Servicing - Phase 1 to service growth in northwest Vaughan and Kleinburg. The projects allow decommissioning of the Kleinburg Water Resource Recovery Facility.	\$ 389,250	2022 - 2031 2032 - 2041
Northeast Vaughan Wastewater Servicing Construct new gravity sewer pipe to convey flows generated in northeast Vaughan area to the existing Langstaff Collector and York Durham Sewage System upgrades as recommended by the completed Class Environmental Assessment.	\$ 171,630	2022 - 2031
York Durham Sewage System Conveyance Optimization Install a flow gate at the Bathurst Collector to attenuate flows during wet weather conditions. Twin a segment of pipe conveying flows into the Newmarket Sewage Pumping Station to optimize existing wastewater conveyance capacity to service growth.	\$ 6,560	2022 - 2031
Richmond Hill Langstaff Gateway Provincial Urban Growth Centre Wastewater Servicing Construct gravity sewer to convey flows from Richmond Hill - Langstaff Gateway Regional Urban Centre to the Richmond Hill Collector as recommended by the completed Class Environmental Assessment.	\$ 15,180	2022 - 2031

Primary Trunk Sewer Construct a new trunk sewer from the terminus of the Southeast Collector at Valley Farm Road to the Duffin Creek Water Pollution Control Plant to service growth in the overall York Durham Sewage System service area.	\$ 228,600	2022 - 2031
King City Wastewater System Upgrades Phase 1 - Optimize capacity of King City Sewage Pumping Station to accommodate interim growth in King City. Phase 2 - Expand King City wastewater pumping capacity and construct a new forcemain to accommodate long term growth in King City.	\$ 47,880	2022 - 2031 2042 - 2051
Yonge Street Sewer Twinning Increase conveyance capacity of Yonge Street Sewer to accommodate growth and allow rehabilitation of existing sewer.	\$ 65,930	2022 - 2031
York Durham Sewage System Interim Servicing Construct a new sewage pumping station and connecting sewer to the York Durham Sewage System as recommended by completed Class EA. This project allows growth before the Water Reclamation Centre is commissioned.	\$ 25,450	2022 - 2031
East Queensville Sewage Pumping Station and Forcemain Construct a new sewage pumping station just south of Queensville Sideroad and west of Highway 404 along with forcemain connecting to the West Queensville Sewage Pumping Station to service growth in parts of Queensville.	\$ 16,320	2022 - 2031
East Woodbridge Pumping Station Decommissioning Decommission East Woodbridge Pumping Station, subject to outcome of a repurposing study.	\$ 1,260	2032 - 2041
Vaughan Storage Expansion Phase 1 - Construct first phase of a new reservoir to accommodate growth in Pressure District 6, a key centre through which supply is delivered to other pressure districts. Phase 2 - Construct a second phase of the new Vaughan reservoir and implement works to expand the Pressure District 9 Vaughan system including a new elevated tank and associated connecting watermain.	\$ 61,020	2032 - 2041 2042 - 2051
North Richmond Hill Pumping Station Decommissioning Decommission North Richmond Hill Pressure District 8 Pumping Station, subject to outcome of repurposing study.	\$ 1,470	2032 - 2041
North Markham Water Servicing Construct a new reservoir, a new water pumping station and associated watermains to connect the new facilities to the existing system. This project is required to support Markham urban expansion north of Elgin Mills Road and allow the implementation of the York East Water Servicing project (W13).	\$ 112,720	2032 - 2041

Stouffville Water Servicing Expand Stouffville storage capacity to service new development. Project is expected to implemented in phases to maximize utilization of existing infrastructure. Phase 1 - Increase capacity of Stouffville Zone 2 booster pumping station before the new storage facility is introduced. Phase 2 - Construct a new elevated tank and connecting watermain to provide long term storage capacity need in the service area.	\$ 15,330	2032 - 2051
York East Water Servicing Phase 1 - Construct a new pumping station at the new Markham reservoir site (W11), a new Reservoir in Aurora and associated watermain to bring additional Lake Ontario supply to the north water system as demand increases. Phase 2 - Construct a new pumping station at the new Aurora reservoir and associated watermain to service development on the eastern parts of the north system as demand increases.	\$ 148,530	2032 - 2041 2042 - 2051
Holland Landing Storage Expansion Install a new elevated tank and connecting watermain to accommodate growth in Holland Landing and allow replacement of existing Holland Landing East Elevated Tank.	\$ 10,340	2032 - 2041
West Park Heights Pumping Station and Watermain Construct a new pumping station, assumed to be located adjacent to the existing West Park Heights Reservoir in Keswick, and associated watermain to allow integration of York and Georgina Water Systems.	\$ 47,950	2032 - 2041
Leslie Street Sewage Pumping Station and Forcemain Phase 1 - Increase Leslie Street Sewage Pumping Station capacity. Phase 2 - Construct a new forcemain connecting the station to downstream York Durham Sewage System as flows increase due to growth.	\$ 65,240	2032 - 2041 2042 - 2051
North Markham Trunk Sewer Construct a new gravity sewer to servicing of Markham urban expansion.	\$ 43,200	2032 - 2041
Newmarket Diversion Sewer Construct a new sewer to divert flows from the Newmarket Pumping Station to the Sharon Trunk Sewer as flows increase due to growth.	\$ 29,800	2032 - 2041
East Gwillimbury Sewage Pumping Station Expansions Increase capacity of West Queensville, Second Concession and Holland Landing Sewage Pumping Stations to service growth. Works are expected to be accommodated within the original building footprint.	\$ 7,040	2032 - 2041
Bloomington - Bayview Watermain Construct a new watermain along Bloomington Road from Aurora South Reservoir to Bayview Avenue, and along Bayview Avenue connecting Wellington Watermain.	\$ 82,560	2042 - 2051

Yonge Street Watermain Construct a new watermain on Yonge Street from Gladman Road to Green Lane to service proposed intensification along the Yonge Street corridor and connect the Newmarket Central and Holland Landing Pressure Districts.	\$ 46,200	2042 - 2051
Queensville Elevated Tank No. 2 Construct a new elevated tank and connecting watermain to accommodate growth in Queensville and Sharon, and allow replacement of the Newmarket East Elevated Tank.	\$ 11,290	2042 - 2051
York Durham Sewage System Expansion Continue to expand York Durham Sewage System to support new developments including: A new relief sewer to divert flows from the Central Collector sewershed to the proposed Richmond Hill Langstaff sewer. Twinning a section of existing Steeles Collector Sewer to accommodate intensification in the Leslie Street Drainage Area. A new gravity sewer to support growth in the area serviced by Markham Collector which is expected to reach capacity as flows increase.	\$ 324,510	2042 - 2051

Demand management and supporting programs

Water For Tomorrow Program	\$ 29,770	Ongoing
Water Master Plan Update	\$ 7,060	Ongoing
Water System Capacity Assessment	\$ 21,220	Ongoing
Inflow and Infiltration Reduction	\$ 104,170	Ongoing
Wastewater Master Plan Update	\$ 7,070	Ongoing
Wastewater System Capacity Studies	\$ 58,610	Ongoing