The Regional Municipality of York

Committee of the Whole
Environmental Services
April 7, 2022

Report of the Commissioner of Environmental Services

2022 Water and Wastewater Master Plan Update

1. Recommendations

1. Council endorse the 2022 Water and Wastewater Master Plan Update and list of infrastructure projects and programs, exclusive of the Upper York Sewage Solutions project (Attachments 1 and 2)

2. Council approve inclusion of the Upper York Sewage Solution project in the Master Plan Update to meet growth needs in the Towns of Aurora, East Gwillimbury and Newmarket as outlined in Attachment 3

3. The Regional Clerk circulate this report to the Clerks of the local municipalities, conservation authorities (Toronto and Region and Lake Simcoe Region Conservation Authorities), the Director of the Central Region Office, Ministry of the Environment, Conservation and Parks and Ministry of Municipal Affairs and Housing

2. Summary

This report requests Council endorsement of the 2022 Water and Wastewater Master Plan Update (Master Plan Update), which summarizes long-term servicing projects required to meet growth needs to 2051. Upon Council endorsement, staff will notify agencies, Indigenous communities, partners, public and stakeholders of Report finalization and beginning of the review period in accordance with the Municipal Class Environmental Assessment process.

Key Points:

- The Master Plan Update is a long-term servicing plan that identifies infrastructure and programs required to support projected growth to 2051 as envisioned and integrated with the Regional Official Plan and Fiscal Strategy
- To service growth to 2051, $4.5 billion in new and expanded water and wastewater infrastructure and supporting programs is required. This is an increase of approximately $200 million since the draft infrastructure plan was shared with Council in November 2021. This increase is primarily due to the introduction of the Water Reclamation Centre Expansion 2 to service additional Whitebelt lands in East

Gwillimbury in response to October 2021 Regional Council motions and other minor refinements

- This Master Plan Update builds on the 2016 plan and continues to meet the servicing needs of our growing communities and supports greater resilience in our water and wastewater systems by using One Water principles to guide decision-making
- Extensive consultation and engagement with a variety of participants, including Indigenous communities, local municipalities, residents and other partners has informed development of the Master Plan Update
- This Master Plan Update highlights the challenges with provision of timely water and wastewater servicing due to protracted Provincial approval timelines and underscores the need for Provincial reform to ensure mandated growth is accommodated

3. Background

Master Plan highlights strategy to achieve water and wastewater servicing requirements and long-term sustainability to support growth to 2051

The Water and Wastewater Master Plan is a long-term strategic plan in working towards the Region's Vision of strong, caring and safe communities. As outlined in the draft Regional Official Plan by 2051 York Region is projected to grow to about 2.03 million residents and employment is projected to grow to 991,000 jobs. The Master Plan Update identifies the infrastructure and programs required to service growth to 2051. This update was integrated with the Municipal Comprehensive Review and Transportation Master Plan using the Council-endorsed principle to align growth with infrastructure, keeping the Fiscal Strategy in mind. Infrastructure costs and timing have informed the Development Charges Bylaw update which will be brought to Council this year.

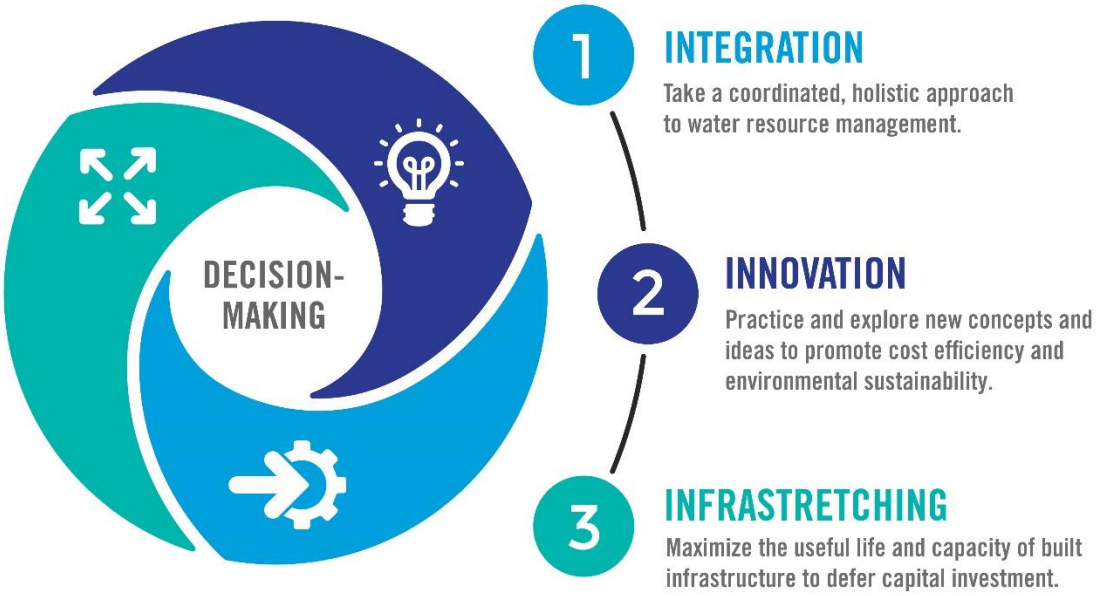
In alignment with the 2019-2023 Strategic Plan and the Fiscal Strategy, the goal of the Water and Wastewater Master Plan is to develop a long-term servicing strategy that is environmentally sustainable and provides cost-effective and reliable services. To achieve this goal, two key objectives were identified:

- Develop a cost-effective, resilient water and wastewater infrastructure plan to service future growth to 2051 and beyond
- Develop an integrated, long-term approach to provide sustainable water and wastewater services

Three guiding principles have been adopted to guide One Water decision-making and development of strategies to achieve these objectives, as defined in Figure 1 below:

Figure 1

One Water Guiding Principles



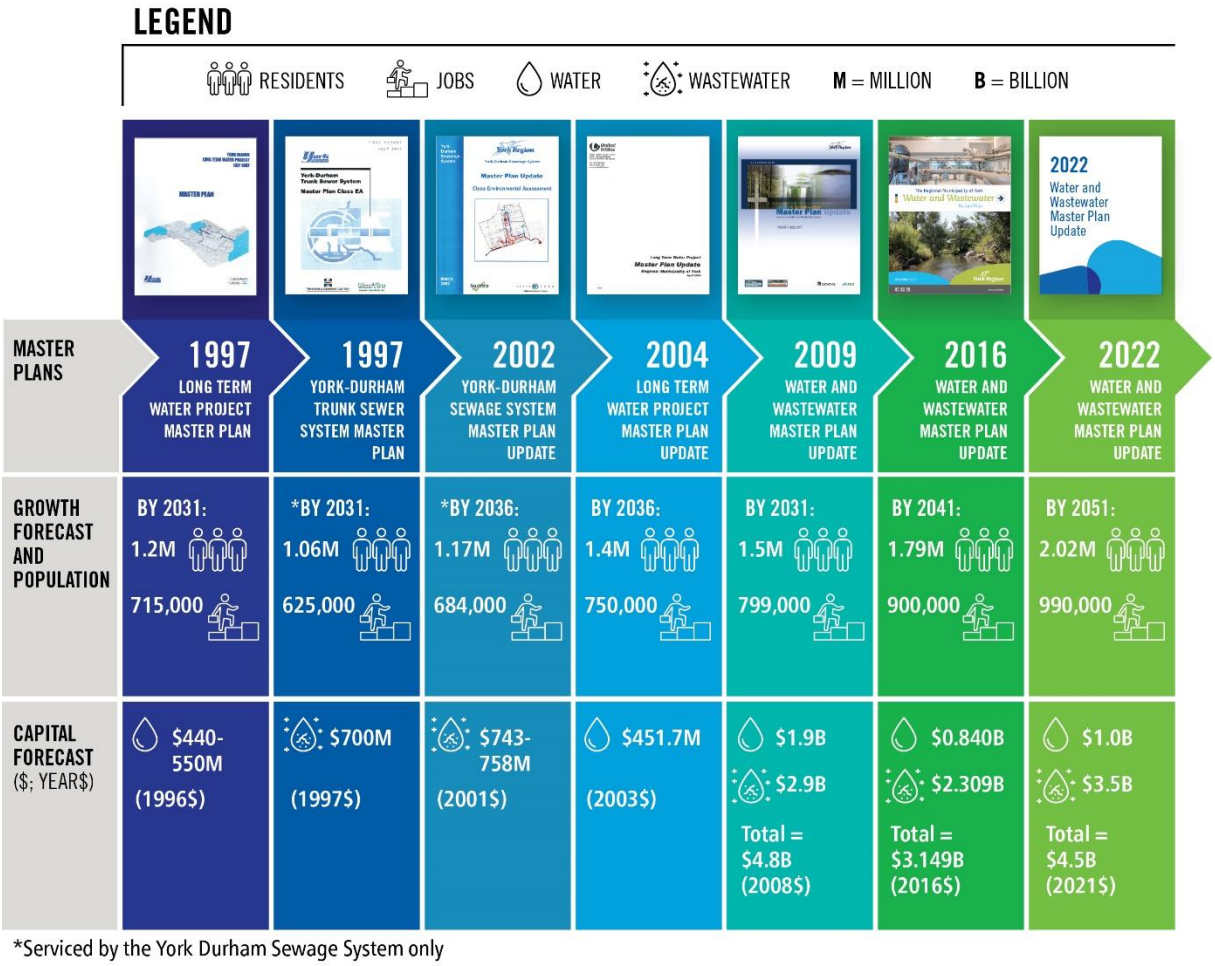
This One Water approach is most effective and fully realized when all three principles are brought together to solve complex problems facing water services and communities. Integrating the Master Plan with demand management and asset management initiatives helps create synergy and increase efficiency. Practicing and exploring innovative new concepts and ideas through the development of the Master Plan and continuing the same throughout the capital planning and delivery processes promotes cost-efficiency and sustainability. York Region recognizes that municipal water systems are part of the larger water cycle in the natural world and that sustainable water and wastewater services benefit communities and the environment while costing less than traditional approaches.

Master Plan is a culmination of previous work and builds upon prior studies

York Region has completed regular updates to the Water and Wastewater Master Plan for over two decades. These iterative updates ensure that long-term strategies reflect evolving needs across the Region (Figure 2). This update, like others before it, was completed according to the Municipal Engineers Association Municipal Class Environmental Assessment process. It builds on strategies identified in the 2016 Master Plan, with adjustments made to account for the revised growth forecast and planning horizon to 2051.

Figure 2

Master Plan History



The 2022 Master Plan Update project plan was provided in the March 2020 report to Regional Council and an update on engagement activities was provided in June 2021. The draft infrastructure plan was shared in November 2021. This work was based on the March 2021 Land Needs Assessment; recognizing the final document would need to reflect any modifications to the population forecast as directed by Council.

Council approved motions that modified the 2051 population forecast in October 2021

Regional Council approved alternatives to the March 2021 Land Needs Assessment at its October 21, 2021 meeting. Approved motions are summarized below:

1. **Township of King – Growth to 2051** – Whitebelt lands not be included to accommodate growth and growth instead be re-directed towards existing and established Villages within Township of King, through a local process

2. **Town of Whitchurch-Stouffville – Future Land Needs for Town of Whitchurch-Stouffville** –a request for Provincial amendment to O. Reg. 140/02: Oak Ridges

Moraine Conservation Plan under the *Oak Ridges Moraine Conservation Act* to permit proposed changes to the settlement area boundary: include a settlement area boundary expansion to include the proposed South Gormley Employment Expansion Area, as well as include a settlement area boundary expansion to the Community of Stouffville to include the proposed Bethesda Lands (in lieu of Whitebelt lands identified in the September 16, 2021 report). Should the Province not support that request, whitebelt lands in Whitchurch Stouffville would be recommended for inclusion in the settlement area boundary.

3. **Town of East Gwillimbury – Include Additional Town of East Gwillimbury Whitebelt Lands in the 2051 Timeframe** – staff designate a minimum of 70% of Whitebelt lands in East Gwillimbury as Community and Employment Areas and include appropriate phasing and front-funding policies in the Regional Official Plan through this Municipal Comprehensive Review

4. **City of Markham – Include Lands West of the Little Rouge as Residential** – the eastern portion of the block bounded by Elgin Mills Road, Kennedy Road, 19th Avenue and Warden Avenue be designated as "Community Area" (as described in the original motion)

This report (see Table 2) highlights changes made to the infrastructure plan since November to align with the approved growth scenario and showcases how the growth motions made by Regional Council on October 21, 2021 have been addressed in the Master Plan.

4. Analysis

INFRASTRUCTURE PLAN

Master Plan Update confirms 2016 servicing strategies continue to be valid

Through the framework of the Municipal Class Environmental Assessment process for master plans, detailed analysis and evaluation confirmed the high-level strategies identified in the 2016 Master Plan continue to apply. To meet growth needs to 2051:

- Drinking water supply will continue to be met through existing sources and water supply agreements in place with Toronto and Peel

- Additional wastewater treatment capacity will continue to be provided through agreements with Peel and Durham, the Water Reclamation Centre (WRC) proposed by the Upper York Sewage Solutions Individual Environmental Assessment, as well as through stand-alone treatment facilities

- Demand management programs, such as the Long-Term Water Conservation Strategy and Inflow and Infiltration Reduction Strategy, will continue to be integral with managing flows and influencing available capacity in the systems

The preferred servicing strategy, described in detail in November 2021, will not only meet servicing needs of planned growth, but will also enhance system-wide resilience, reduce water age, lower energy consumption and improve water balance. The infrastructure plan as presented in November 2021 has been updated to reflect the approved Council motions as shown in Table 2 below. This resulted in an increase of approximately $200 million for a total water and wastewater infrastructure cost of $4.5 billion.

Additional wastewater treatment capacity and timely approval is critical to supporting growth to 2051

Through coordination with the Municipal Comprehensive Review and the Transportation Master Plan Update to align growth with infrastructure, this Master Plan Update emphasizes the principle of infrastretching by making best use of the existing system and established long-term servicing agreements. While sufficient water supplies exist, expansion of wastewater treatment capacity is required to meet growth envisioned through the Draft Regional Official Plan.

As reported in the 2021 Servicing Capacity Assignment Status Update there is sufficient capacity assigned within the York Durham Sewage System to support growth for 178,132 persons, over the next six years Region wide (ranges between five to ten years depending on the municipality) based on annual market growth trends.

Sustained investments are planned in the York Durham Sewage System over the coming decades

Elements of the York Durham Sewage System, which collects flows from all local municipalities except Georgina, are expected to reach capacity within the 2051 planning horizon and require significant investment over the next three decades. Works to expand this trunk conveyance system and the Duffin Creek Water Pollution Control Plant are described in the November 2021 report. Regional staff work closely with Durham Region in co-managing our shared wastewater system.

In addition to this master planning work, York Region and Durham Region will jointly complete a Primary System Master Plan following updates to each regional municipality's respective Regional Official Plans. The Primary System consists of the Duffin Creek Plant, Primary Trunk Sewer and some supporting infrastructure located outside the York Region boundary. The Primary System Master Plan will forecast and refine future capital expansion requirements over a 30-year period.

The Region has experienced long delays in getting approvals for key projects. Recent examples include the Upper York Water Reclamation Centre and the Duffin Creek Water Pollution Control Plant outfall capacity expansion, which created uncertainty and added costs. York Region has advocated strongly for changes to the *Environmental Assessment Act* that would allow critical infrastructure to be planned and delivered in a predictable manner while protecting the natural environment.

Twenty-five years ago, York Region Master Plan identified a wastewater project to service growth in Aurora, East Gwillimbury and Newmarket

The 1997 York Durham Sewage System Master Plan first identified a need for a wastewater project to service growth in Aurora, East Gwillimbury and Newmarket. This project eventually became known as Upper York Sewage Solutions. In 2004, the Province of Ontario mandated this project undergo an Individual Environmental Assessment, an unprecedented level of assessment for an infrastructure project required to support already approved growth. In 2009, the Individual Environmental Assessment was publicly launched and in 2010, the Province directed York Region to consider innovative wastewater treatment technologies located within York Region as a possible servicing solution. After more than five years of extensive scientific study and consultation with Indigenous communities, government agencies and the public, York Region submitted the project's Individual Environmental Assessment report to the Province for approval in July 2014.

In October 2021, after more than seven years since the Upper York Sewage Solutions Individual Environmental Assessment was submitted, the Province enacted the *York Region Wastewater Act, 2021.* This legislation puts an indefinite hold on any decision by the Minister of the Environment, Conservation and Parks on the Upper York Sewage Solutions Environmental Assessment, prevents any further action being taken by York Region to advance this project and seeks to limit the Province's liability for taking these steps. The Province has appointed the York Region Wastewater Advisory Panel to provide confidential advice on options to address wastewater servicing capacity needs in the upper parts of York Region.

York Region staff are hopeful the Province of Ontario's Environmental Assessment modernization approach will speed-up approvals and contribute to economic recovery. The Region advocated for the following changes to the *Environmental Assessment Act* to provide better certainty and reduce costs by:

- Exempting low risk projects from the Environmental Assessment process
- Driving more predictable timelines through defined, time-based processes similar to process for transit projects
- Creating a new 'growth related infrastructure project' designation that is exempt from Ministerial bump-ups
- Enhanced approaches to Indigenous and public engagement

This 2022 Master Plan Update considers the Upper York Sewage Solutions Water Reclamation Centre as a key component of our long-term servicing. This commitment to the Lake Simcoe solution was reaffirmed by Regional Council at their January 2021 meeting. Should the Province issue further direction, implications will be examined and additional assessment will be undertaken and reflected in the next Master Plan update.

Demand management programs help optimize long-term service planning

For many years now, York Region has demonstrated leadership on a variety of demand management approaches to help stretch existing water and wastewater infrastructure capacity. Many of these initiatives arose out of requirements under environmental approvals and have proven to be highly effective at managing demands on Regional and local systems. Both the Long-Term Water Conservation Strategy and the Inflow and Infiltration Reduction Strategy were updated in 2021 and remain integral to long-term service planning, as both programs influence available capacity. These strategies influence the planning of growth infrastructure detailed in the Master Plan. The key areas of program focus for each updated strategy are listed in Table 1.

Table 1

Demand Management Strategies: Key Areas of Program Focus

Strategy	Key areas of program focus
2021 Long-Term Water Conservation Strategy	1. Reduce system losses and sources of non-revenue water 2. Continue to raise conservation awareness 3. Target programming towards conservation among industrial, commercial and institutional water users 4. Continue to advance research in water reuse 5. Demonstrate leadership by improving the efficiency of York Region's own facilities and operations
2021 Inflow and Infiltration Reduction Strategy	1. Enhance partnerships 2. Monitor flows and continue to collect data 3. Advance data analytics and predictive analysis 4. Expand in-the-ground works through assessment and rehabilitation programming 5. Develop and adopt a new development standard for inflow and infiltration management*

* Implementation of the new Inflow and Infiltration Reduction Standard for Sewers Servicing New Development was approved by Regional Council in February 2022 with local municipalities to implement by December 2024.

The Long-Term Water Conservation Strategy and the Inflow and Infiltration Reduction Strategy are included as appendices to the Master Plan Update. Leveraging the successes of these demand management programs and integrating them into long-term service planning reflects York Region's commitment to sustainable use and management of water resources.

Over the past 23 years, an estimated 27 megalitres a day has been saved because of the Region's Water for Tomorrow and Long-Term Water Conservation Strategy programming, the latter introduced in 2011. This work has translated into declining per capita demand. Between 2016 and 2020, water consumption per capita averaged 194 litres a day for single-detached dwellings, down from 207 litres a day over the previous five-year period. The Region's aspirational goal is to reduce that to an average of 150 litres by 2051.

Since 2011, York Region's Inflow and Infiltration Reduction Strategy has saved more than 20 million litres of inflow and infiltration a day through partnerships and programs with local municipalities and the development industry. The 2021 update of the Inflow and Infiltration Reduction Strategy builds on these successes and aims to reduce inflow and infiltration by 40 million litres a day by 2031, double the current level of reduction.

Infrastructure plan recalibrated since presented in November 2021 to address approved Regional Council growth motions

On October 21, 2021, Regional Council endorsed a Phased 50-55% Intensification Scenario and provided additional direction on where and how the Region is to accommodate growth to 2051 through four approved motions. Table 2 below summarizes how the Water and Wastewater Master Plan Update has considered and addressed each motion, outlined by local municipality.

Table 2

Servicing Considerations of Approved Motions per Local Municipality

Local municipality subject to motion	Considered and/or addressed through Master Plan Update
Township of King	Township of King will work with the Region to identify additional servicing needs related to the redistributed population growth which has been reallocated from the Whitebelt lands.
Town of Whitchurch-Stouffville	Servicing of South Gormley Employment Expansion is contingent upon removal of provincially imposed regulatory restrictions. As this growth is anticipated in the later years of the forecast post-2041, conceptual servicing options are outlined in Appendix A.7 to the Master Plan Update that can implemented should the provincial regulation change. Servicing of Bethesda Lands is also contingent upon removal of provincial regulatory restrictions. Depending on the magnitude of growth, a review of the wastewater system capacity would be appropriate to ensure existing Regional sewers could accommodate additional flows. No additional water upgrades beyond those already identified for the community of Stouffville are anticipated to be required.
Town of East Gwillimbury	Urban expansion into 70% of the Whitebelt lands in East Gwillimbury triggers the need for a second expansion of the Water Reclamation Centre by 2051.

Local municipality subject to motion	Considered and/or addressed through Master Plan Update
City of Markham	The Infrastructure Plan as presented in November 2021 is sufficient to accommodate growth in lands west of Little Rouge.

In addition to outlining conceptual servicing options for South Gormley, Appendix A.7 of the Master Plan also includes considerations for servicing other communities currently restricted through Provincial policy should those restrictions be lifted in the future (Ballantrae and Vandorf-Preston Lake in Whitchurch-Stouffville and Nobleton in King). The full suite of Master Plan appendices is available online through the links below:

- Appendix A – Infrastructure
- Appendix B – Consultation Summary – B.1 to B.4
- Appendix B – Consultation Summary – B.5 to B.9
- Appendix C – Demand Management Programs

Council directed growth to East Gwillimbury requires more capacity from the Water Reclamation Centre earlier than previously planned

At the October 21 Council meeting, staff recommended that the forecast limit East Gwillimbury Whitebelt expansion to that which could be accommodated within the initial construction of the Water Reclamation Centre and the first expansion planned for 2041. The remaining Whitebelt area in East Gwillimbury would be serviced through a second expansion anticipated post 2051.

To address Council's direction to bring 70% of Whitebelt forecast within the planning horizon, the Master Plan was updated to include two expansions of the Water Reclamation Centre by 2051. Given continued delays of provincial approval, resulting in delays of the initial construction to at least 2029, it will be challenging to achieve two expansions of this facility by 2051. Inclusion of the second expansion and other minor adjustments has resulted in an increase of approximately $200 million, with most of these expenditures set to occur in the last 10 years of the plan. Attachments 2 and 3 contain the complete list of water and wastewater infrastructure projects and programs identified through the 2022 Master Plan Update.

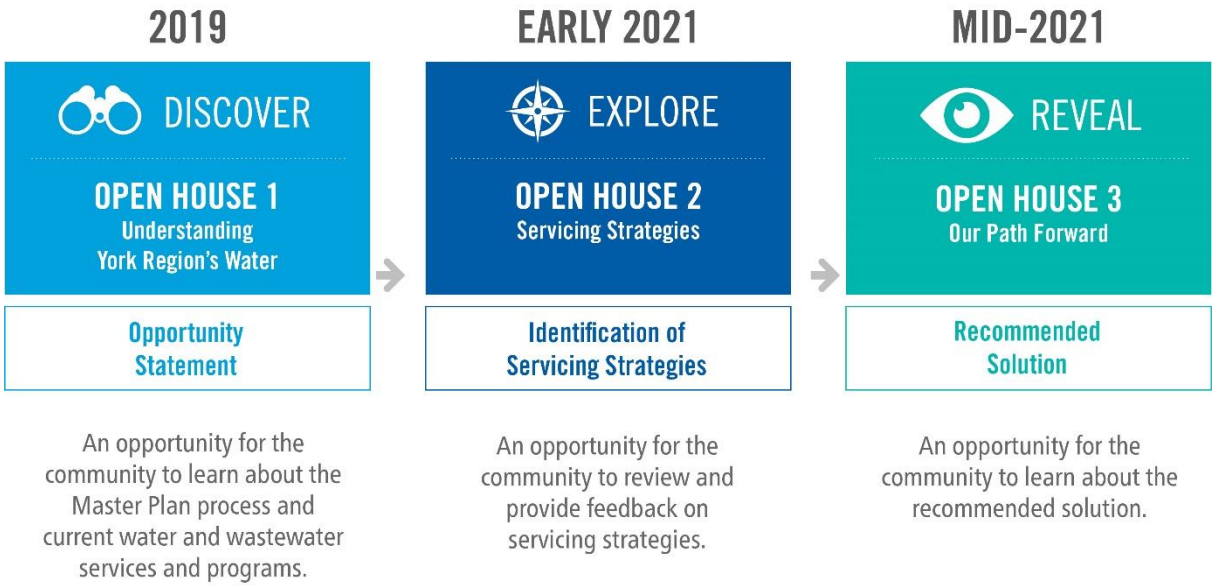
Extensive engagement undertaken as part of Master Plan Update with agencies, Indigenous communities, partners and public

Engagement is an integral component in developing infrastructure needs to support growth to 2051. Over the course of the 2022 Master Plan Update, three rounds of engagement occurred to share information and provide opportunities for feedback. The general

consultation and engagement approach for the Master Plan Update was presented to Council in June 2021. Engagement milestones are illustrated in Figure 3.

Figure 3

Consultation and Engagement Milestones



Engagement throughout the project occurred using a variety of tactics:

- One on one meetings with the local municipalities and regional servicing partners (Region of Durham, Peel Region, and the City of Toronto)
- Meetings with Indigenous communities and the Building Industry and Land Development Association coordinated with the Municipal Comprehensive Review and Transportation Master Plan
- Meetings and correspondence with Ministry of Environment, Conservation and Parks, Office of the Auditor General of Ontario, and Toronto and Region Conservation Authority and Lake Simcoe Region Conservation Authority
- Three public open houses with 1069 online and in-person participants (in-person open houses were hosted prior to the COVID-19 pandemic)

A summary of feedback collected through all public open houses was shared in June 2021 and November 2021. In general, the public has appreciated the opportunity to learn about Regional water and wastewater services. They confirmed that long-term sustainability of servicing and responsible resource management for future generations is a priority. Since then, Regional staff have engaged with Local Municipal Councils on the draft infrastructure plan, described further in the Local Impact section of this report.

IMPLEMENTATION OF MASTER PLAN

Implementation of the Master Plan Update will involve annual monitoring and recalibration of the capital plan as needed

This Master Plan provides a high-level roadmap for delivering servicing over the long-term by establishing future infrastructure project needs. This Master Plan Update has been created with the best available information and understanding. Over time these assumptions will be monitored, as well as close monitoring of capacity utilization in the infrastructure system and development activity. For example, faster than anticipated growth rates in Transit Oriented Communities and Minister's Zoning Order areas could advance the timing of infrastructure projects to respond to servicing needs beyond the original scope of the Master Plan. As more information is known through phasing of growth, servicing needs will have to be reassessed. Updates and course corrections to implementation will happen as things change, or if better information becomes available.

Projects identified in the Master Plan will be implemented through the Environmental Services 10-year capital plan. The capital plan is reviewed annually in conjunction with the annual budget; this process provides an opportunity each year to recalibrate near-term plans to reflect changing circumstances. Shifting circumstances considered in capital plan updates include financial constraints, changes to timing or costs of projects in implementation, shifting asset management needs informed by ongoing condition assessments and coordination with other projects.

Close monitoring of capacity utilization in the infrastructure system and development activity enables the Region to coordinate servicing capacity with growth/development. Demand management programs, which target water conservation and reduction of inflow and infiltration, monitor system flows on an ongoing basis and contribute to capacity available in the Regional system.

Implementation requires monitoring and a continuous partnership approach to balance fiscal, growth and operational considerations

To support growth to 2051, an integrated approach to land use planning will continue to be required to manage the capital plan in line with objectives of the Council approved Fiscal Strategy. As reported to Council throughout the Municipal Comprehensive Review process, aligning planning for growth with infrastructure and financial planning is of paramount importance to ensure the Region delivers complete communities supported by Regional infrastructure delivered and operated in a financially sustainable way. This more agile approach to managing growth phases new infrastructure in line with actual growth and development charge collections and makes it easier for the Region to maintain financial sustainability.

Capital investments will be closely aligned with timing and location of actual growth as well as with collection of development charges revenues to provide sufficient debt capacity to

finance those infrastructure investments. Prioritization and staging of capital investments will align with actual population growth achieved rather than by set timelines based on the Region's growth forecasts. This financially sustainable approach is based on the actual timing and location of future development in the Region.

Despite best efforts to align growth and capital expenditures with the Fiscal Strategy, requests are received to advance works. The Region may agree to assign development charge credits to the developer group requesting to advance construction timing of Regional infrastructure, subject to the Region's Development Charge Credit Policy. In such cases, the developer will fund 100% of the capital works costs and recover eligible growth-related costs. Generally, to be considered for advancement, development charges must be twice the value of the works for which the development charge credit is being requested.

5. Financial

Total infrastructure and program costs of the 2022 Water and Wastewater Master Plan is approximately $4.5 billion

The total cost of projects and supporting programs required to support growth to 2051 identified in this Master Plan is $4.5 billion, which includes an additional $1.35 billion in additional water and wastewater infrastructure compared to the 2016 Master Plan. The capital cost of the first 10 years in the Master Plan aligns with the 2022 Environmental Services 10-year capital plan. This level of alignment provides an implementable path for growth capital infrastructure over the next decade. The annual budget process provides a regular opportunity to recalibrate capital costs as required. The non-development charge funded costs to operate, repair and renew assets proposed as capital projects in the Master Plan are accommodated in the 2021 Water and Water User Rates approved by Council in September 2021.

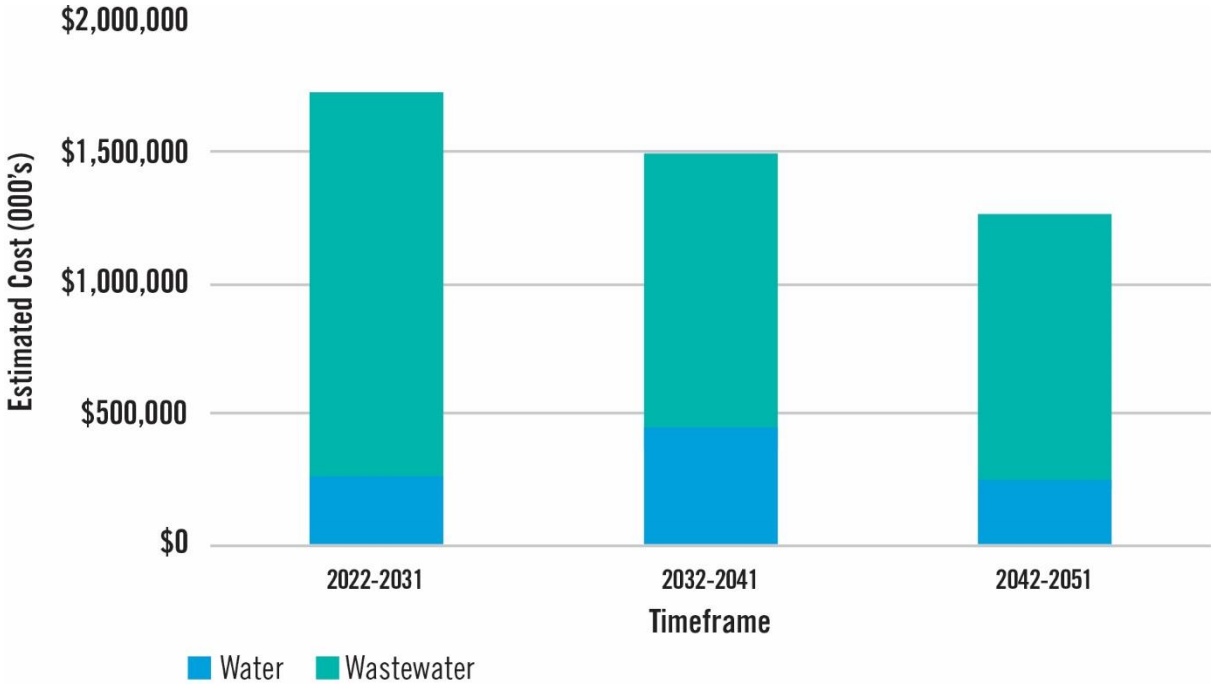
The infrastructure plan as presented in November 2021 has been updated to reflect the approved Council motions and other minor refinements. This resulted in an increase of approximately $200 million, with most of these expenditures set to occur in the last 10 years of the plan. Attachments 2 and 3 contain the complete list of water and wastewater infrastructure projects and programs identified through the 2022 Master Plan Update.

About 70% of the water and wastewater $4.5 billion infrastructure plan to 2051 consists of numerous other capital projects in the capital plan which will proceed to implementation subject to Environmental Assessments and approvals.

A breakdown of the capital costs to implement water and wastewater projects identified in the Master Plan is provided in Figure 4.

Figure 4

Growth-related Capital Infrastructure Costs



The majority of the $4.5 billion in growth-related capital costs is eligible for development charges funding. The proposed 2022 Development Charge Background Study and Bylaw, which has a planning horizon to 2041, uses cost estimates from the Master Plan Update as input. The proposed bylaw is expected to come into effect on June 17, 2022.

6. Local Impact

Local municipal staff and Councils were engaged in developing this Master Plan Update

An offer to present a summary of the Master Plan Update and the recommended draft infrastructure plan was extended to each of the nine Local Municipal Councils, with eight accepting and presentations completed throughout September to November 2021.

A list of each of the presentation dates is shown in Table 3 below:

Table 3

Local Municipal Council Presentations

Date	Local municipality
September 7, 2021	Town of Whitchurch-Stouffville
September 22, 2021	Town of Georgina
September 27, 2021	Township of King
October 4, 2021	Town of Newmarket
October 5, 2021	Town of East Gwillimbury
October 13, 2021	City of Vaughan
October 18, 2021	City of Markham
November 2, 2021*	Town of Aurora
November 10, 2021	City of Richmond Hill

*Information report shared with Aurora at the Town's request.

Feedback was generally positive and indicated a need for:

- Timely wastewater capacity to allow communities to develop in an uninterrupted manner
- Resilient services and robust infrastructure
- Heightened coordination between the Region and local municipalities to plan and service growth, including the role of regional and local infrastructure; phasing of infrastructure to ensure financial sustainability in accordance with new Regional Official Plan policies and dialogue on servicing Minister's Zoning Order areas that fall outside the comprehensive planning process

Local municipal engagement in infrastructure planning continues beyond an active Master Plan Update

This Master Plan Update provides a blueprint of future infrastructure to be delivered to service growth to 2051 in all nine local municipalities. Local municipalities will use the Region's infrastructure plan to guide development of their own infrastructure plans. As the Master Plan is implemented, regular engagement and collaboration between Regional and local staff is essential to ensure that capital investment in infrastructure is optimized, and any constructive adjustments in the infrastructure program be reflected in both Regional and local 10-year capital plans. In addition, active participation of local municipalities in the ongoing long-term water conservation and inflow and infiltration reduction initiatives continues to be

essential to ensure the provision of reliable, sustainable, and cost-effective water and wastewater services over the long-term. Coordination will continue through established partnerships between Regional and local municipality staff for specific issues and through the project-specific environmental assessment process.

7. Conclusion

The Master Plan outlines the Region's strategy to achieve water and wastewater service delivery excellence and long-term environmental and fiscal sustainability. Key infrastructure and programs are identified to support forecasted growth in the Region. Capital expenditure of $4.5 billion is projected for the Master Plan program, with first 10 years' expenditure at $1.7 billion aligned with the 2022 Environmental Services 10-year capital plan.

It is recommended that Council endorse the 2022 Water and Wastewater Master Plan Update report. Upon Council endorsement, Regional staff will notify agencies, Indigenous communities, partners, public and stakeholders of the completion of the Master Plan Update and beginning of a 30 day public review period, where interested parties may provide comments on the report. The Master Plan report and associated appendices will be available online at York.ca/waterplan. Following completion of the review period, Regional staff will review and respond to comments, which will be taken into consideration in implementing this Water and Wastewater Master Plan Update.

For more information on this report, please contact Wendy Kemp, Acting Director, Infrastructure Asset Management at 1-877-464-9675 ext.75141. Accessible formats or communication supports are available upon request.

Recommended by: **Erin Mahoney, M. Eng.**
Commissioner of Environmental Services

Approved for Submission: **Bruce Macgregor**
Chief Administrative Officer

March 2, 2022
Attachments (3)
eDOCS #13695711