

2021 WATER AND WASTEWATER MASTER PLAN

Presented to
City of Vaughan

Presented by
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October 13, 2021

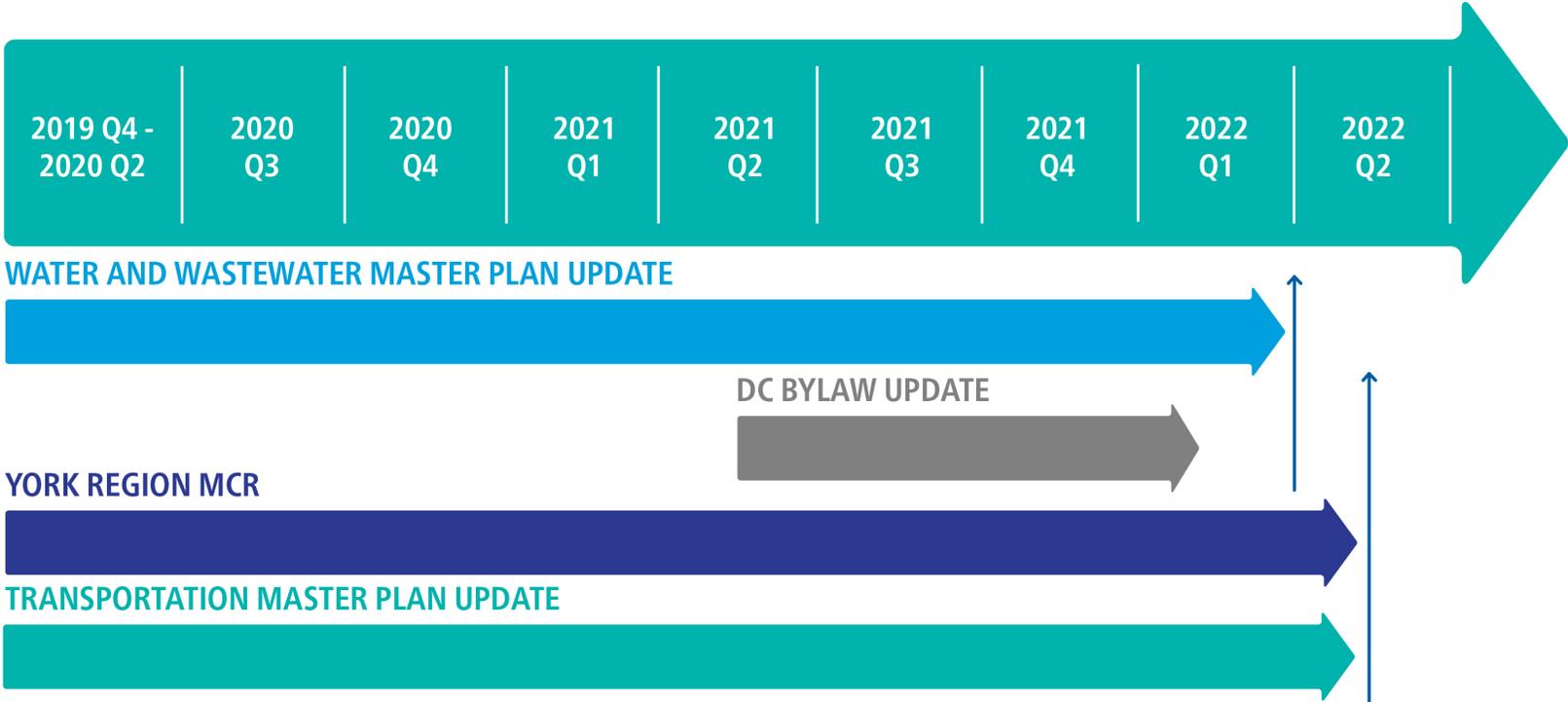


Agenda

1. Regional Context
2. Building on the 2016 Master Plan
3. Draft Infrastructure Plan
 1. Key Highlights of the New Draft Recommended Plan
 2. Implementing and Monitoring the Plan
4. Consultation and Engagement
5. Finalizing the Plan

Purpose is to present the recommended growth infrastructure program updated through the 2021 Water and Wastewater Master Plan

Integrated Growth Management



Timelines subject to change

Master Plan updates aligns with ROP and DC Bylaw Updates

Master Plans Are Updated Regularly to Adapt to Changing Circumstances



- This 2021 Master Plan Update follows a tradition of long-term, sustainable service planning at York Region
- This update is a recalibration of prior plans
- Decisions continued to be guided by One Water principles introduced in 2016 to: innovate, integrate and infirstretch

New Plan Builds On 2016 Master Plan

- Extended forecast from 2041 to 2051 growth horizon
- Used approved draft Land Needs Assessment (March 2021)
- Considers UYSS Water Reclamation Centre as key component of long-term servicing

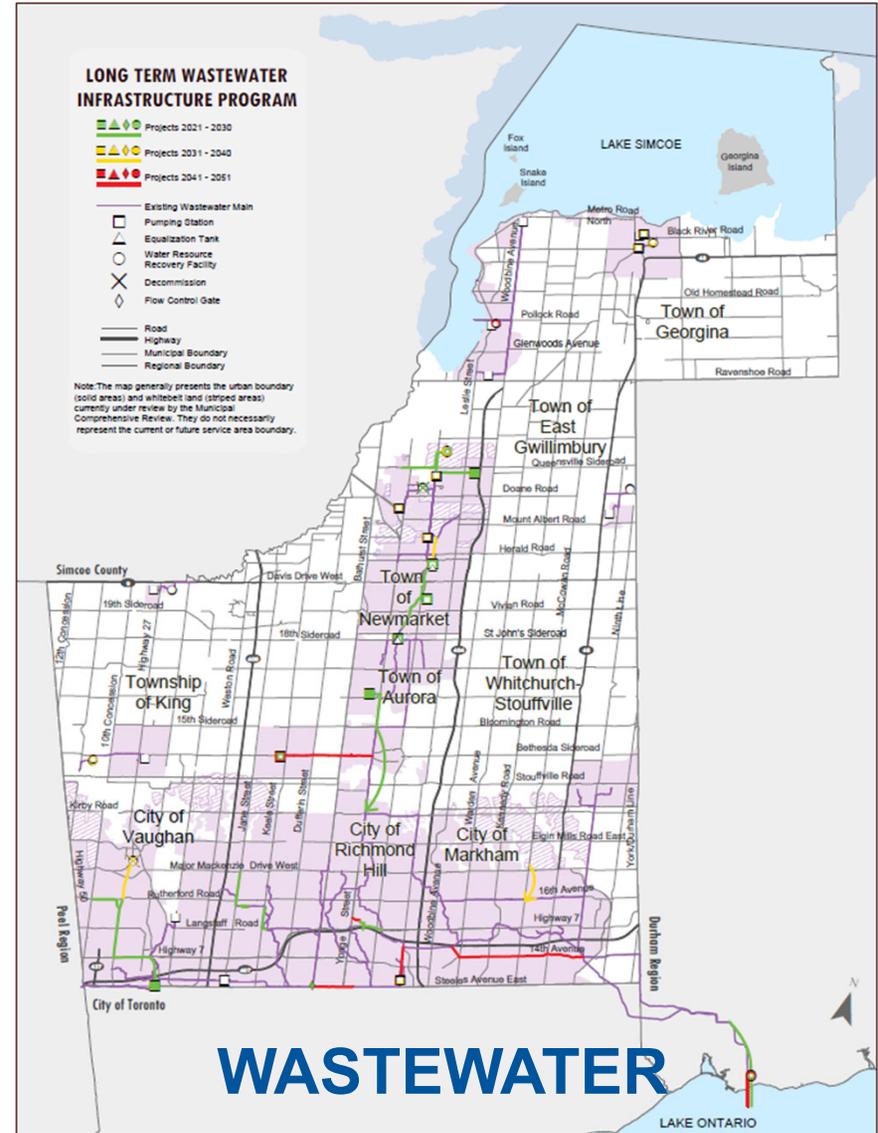
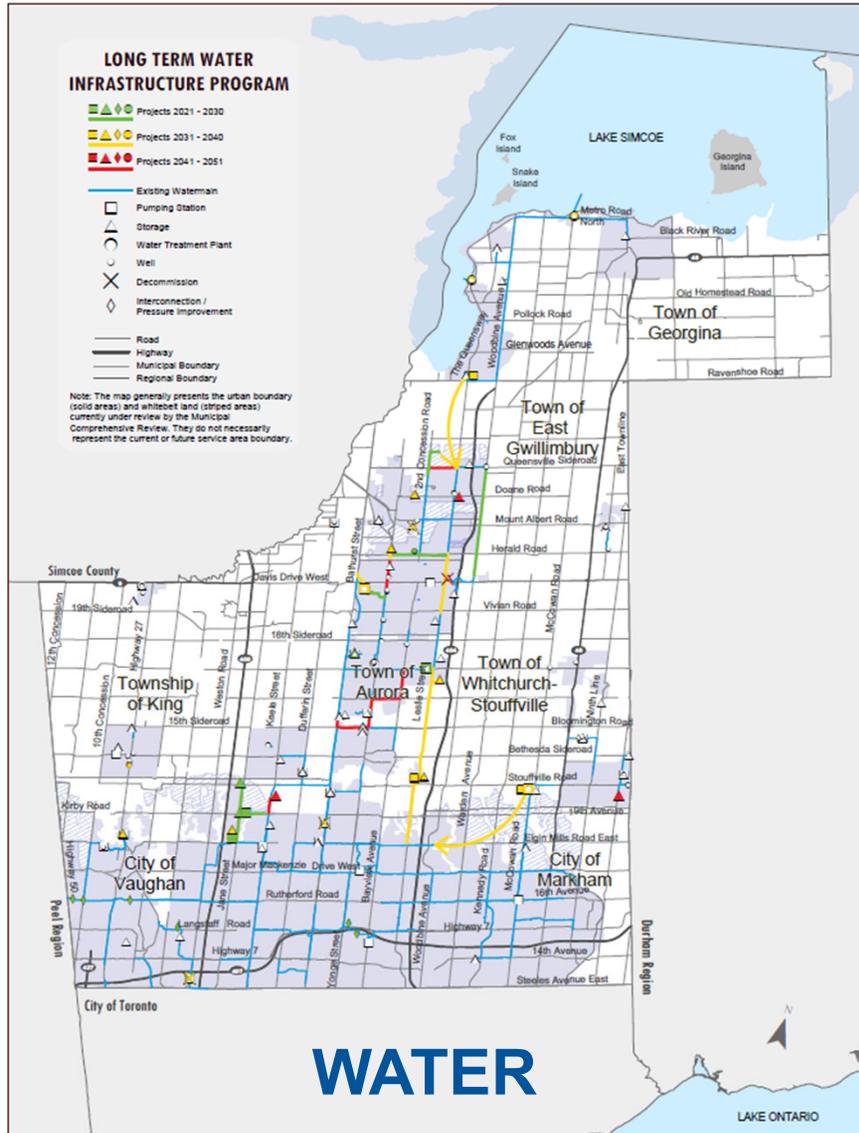
YORK REGION'S **POPULATION** is EXPECTED to GROW from



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Servicing Strategies Align With 2016 Master Plan

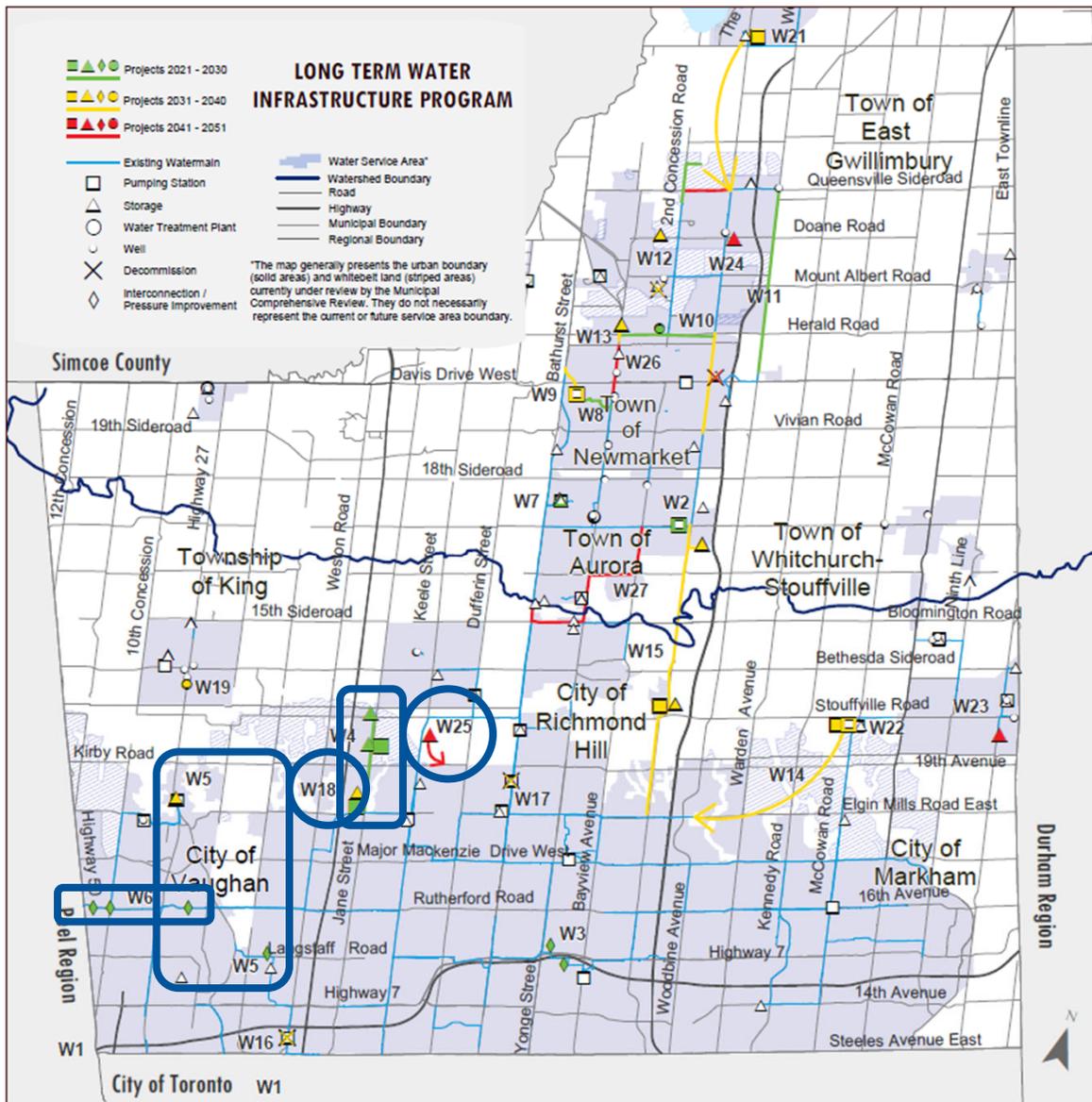


Highlights of the Infrastructure Program

To meet 2051 system demands:

- Most projects from the 2016 Master Plan have been carried forward, with some adjustments to sizing and timing
- Additional \$1.4 Billion in new water/wastewater infrastructure compared to 2016 Master Plan
- The updated water and wastewater infrastructure program totals **\$4.3 billion** over a 30-year horizon

Key Water Projects - Vaughan



Long-term, drinking water will continue to be supplied from Toronto and Peel, with minor **York-Peel Feedermain** works as flows increase.

Major works continue as planned to connect urban expansion areas to servicing:

- **Northeast Vaughan Water Servicing**
- **West Vaughan Water Servicing**

Further upgrades identified to service continued growth later in planning horizon:

- **Vaughan Storage Expansion in PD6**
- **Upgrades in PD9**

Implementing and Monitoring the Master Plan

Infrastructure projects implemented through annual budget and **Capital Plan**

Capacity Monitoring coordinates servicing with near-term growth

Demand management programs continue to play a key role in long term service planning



Demand Management Programs

Demand management programs updated in 2021

Long Term Water Conservation Strategy Update:

- Enhanced focus on reducing non-revenue water
- Continue to raise awareness on water conservation, reducing outdoor water use and encourage water efficiency in new residential developments

Inflow and Infiltration Reduction Strategy Update:

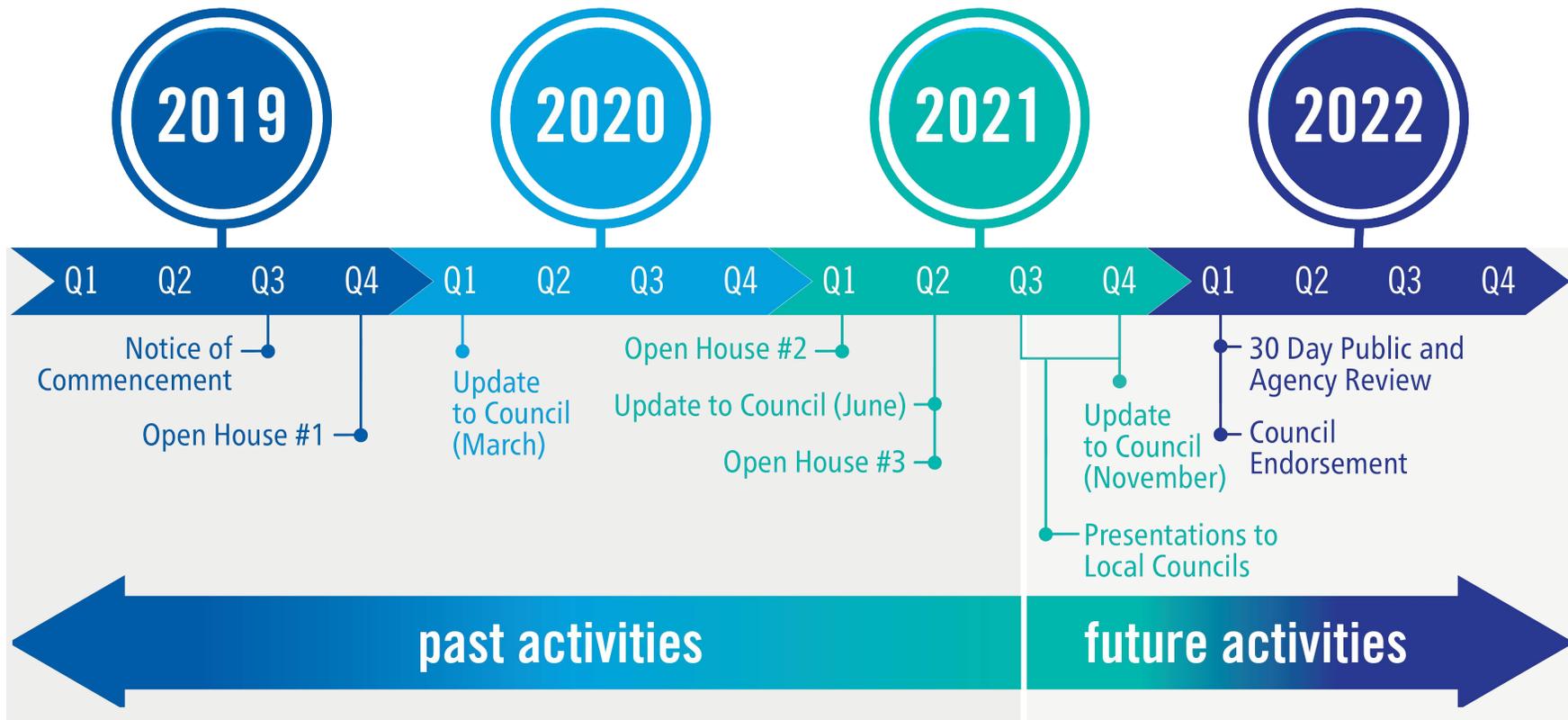
- Establishes targets specific to each Local Municipality in York Region, tailored to reflect conditions in each community
- Continued digital integration in data collection and analysis to drive actions towards long term reduction targets

Consultation and Engagement



- Engagement with local municipal staff, Indigenous Communities and development industry throughout the project
- Three public Open Houses completed
- Feedback collected and considered as input to the Master Plan and shared with other business areas

Next Steps to Finalize the Plan



Thank you

For more information

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