

# 2021 WATER AND WASTEWATER MASTER PLAN

Presented to  
**Town of Newmarket**

Presented by  
**Wendy Kemp and  
Tracey Carrigan**

October 4, 2021



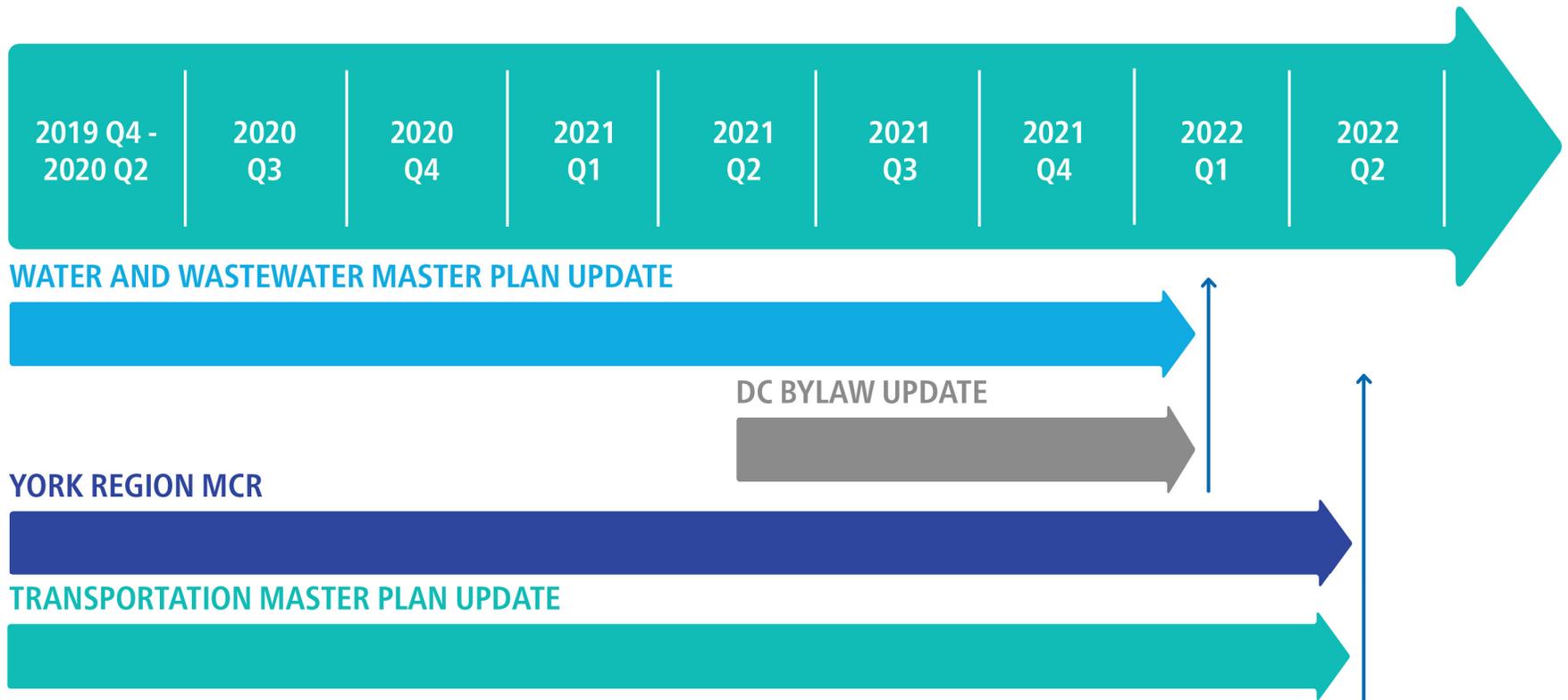
**York Region**

# 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



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 infrastretch

# 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

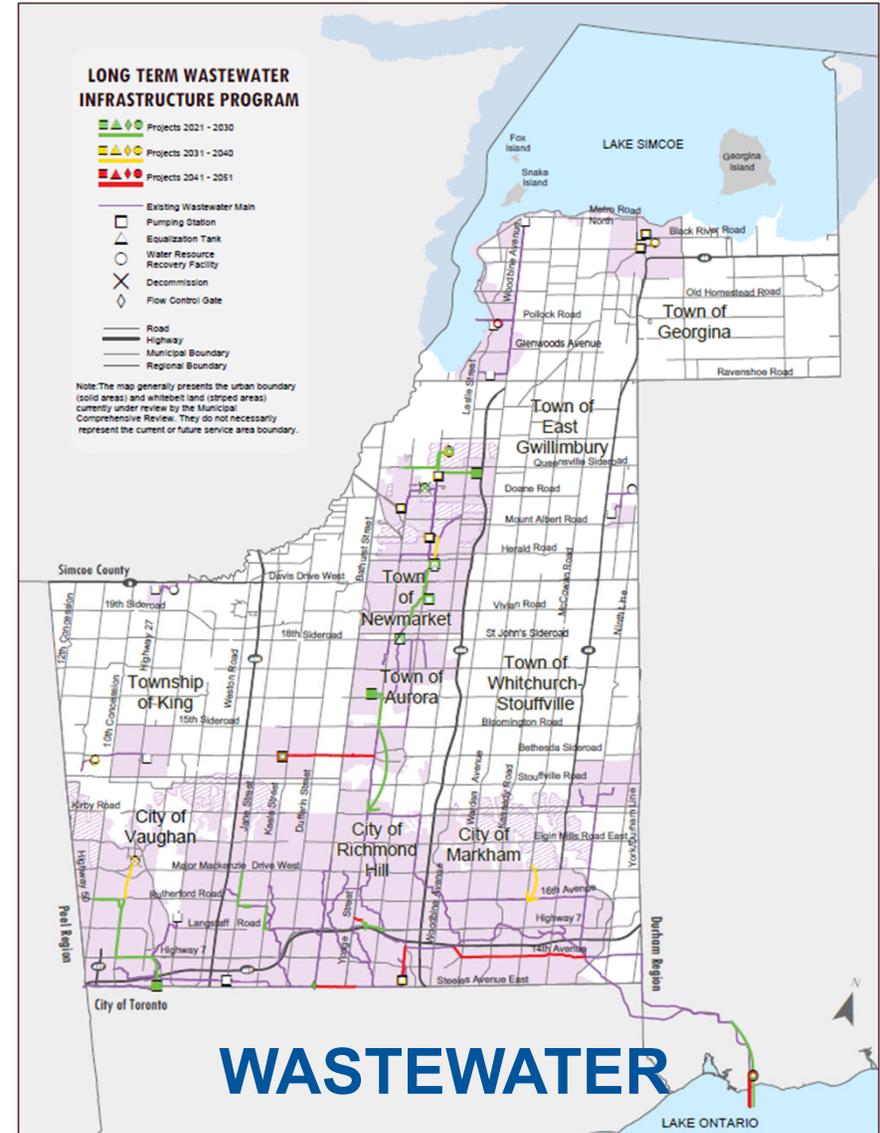
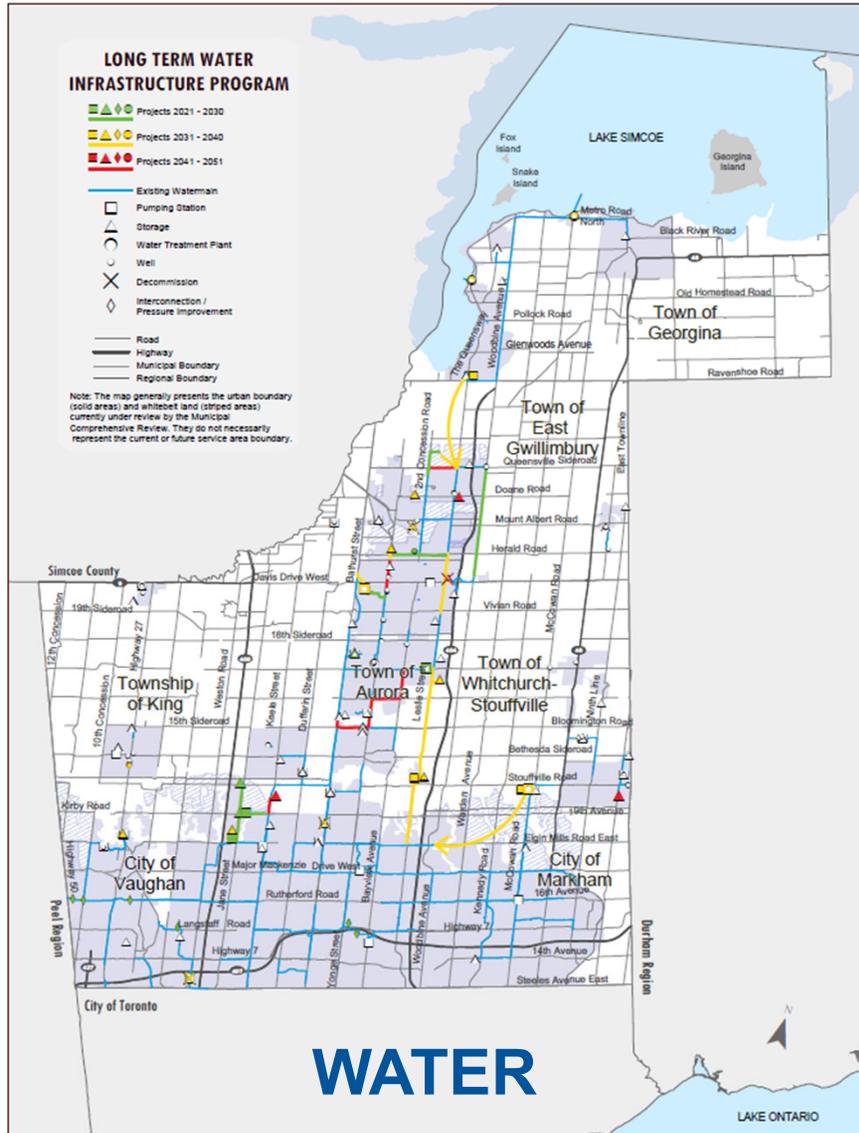
YORK REGION'S **POPULATION** is EXPECTED to GROW from



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



# Servicing Strategies Align With 2016 Master Plan

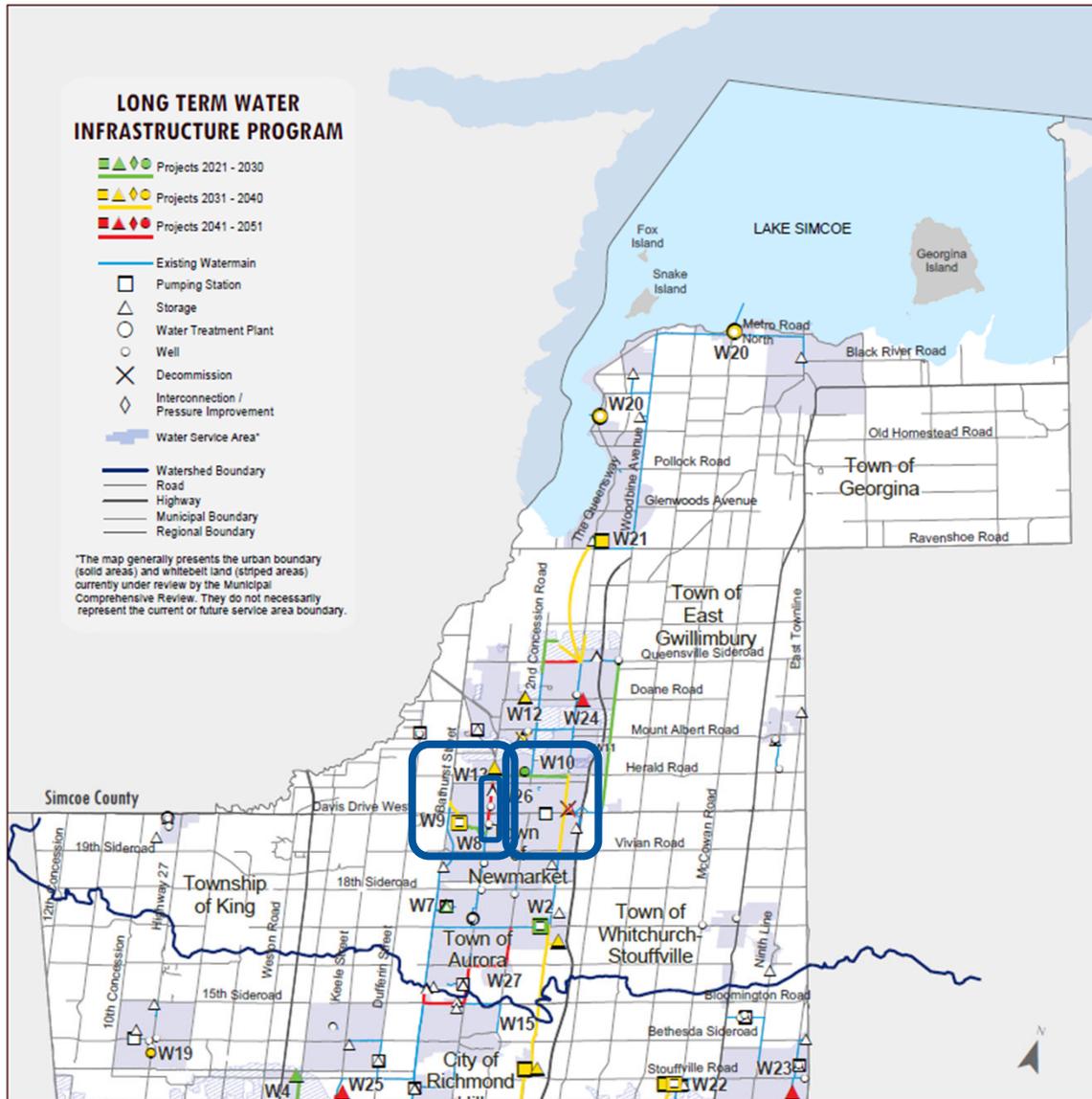


# Highlights of the Infrastructure Program

## 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 - Newmarket



Long term, water supply will continue to be blended Lake Ontario water and groundwater, with future connection of Lake Simcoe supply

Projects phased to align with expected growth:

- **Greenlane/Leslie Watermain** project brings additional supply to central zone in Phase 1, east zone in Phase 2, also supports EG
- **Newmarket West Elevated Tank and Kirby Pumping Station and Watermains** projects support west zone
- **Yonge Watermain** supports intensification along Yonge corridor

# Key Wastewater Projects - Newmarket

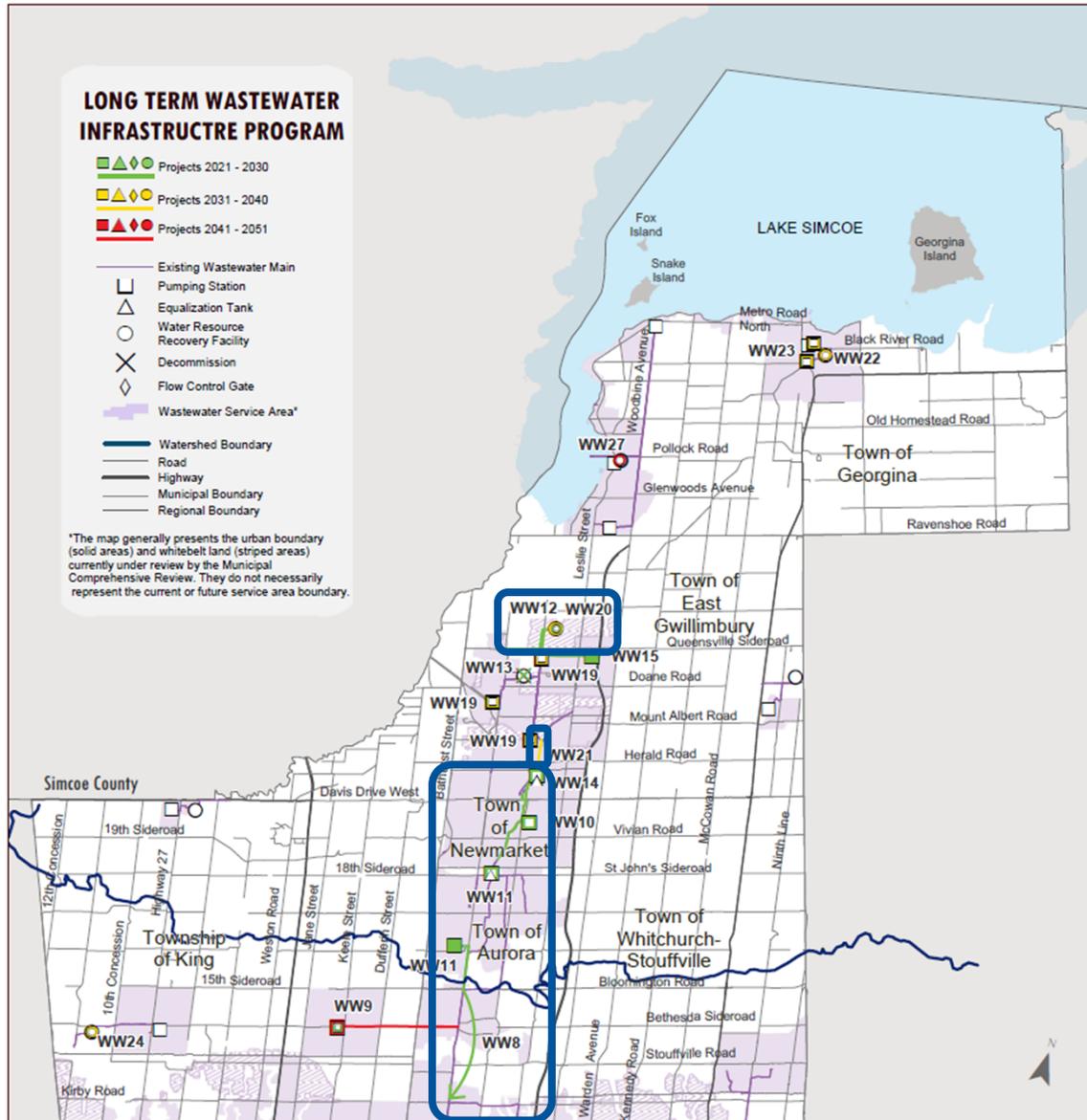
Long term wastewater servicing supported by:

Various works in York Durham Sewage System (YDSS)

- **YDSS Forcemain Twinning and Interim Servicing Solutions** in progress
- **Newmarket Conveyance System Upgrades**
- **Yonge Street Sewer Twinning** and upgrades to downstream YDSS

Proposed **UYSS Water Reclamation Centre** and future expansion

- **Newmarket Diversion Sewer**



# 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

# Co-operative Approach to Operating the Integrated System

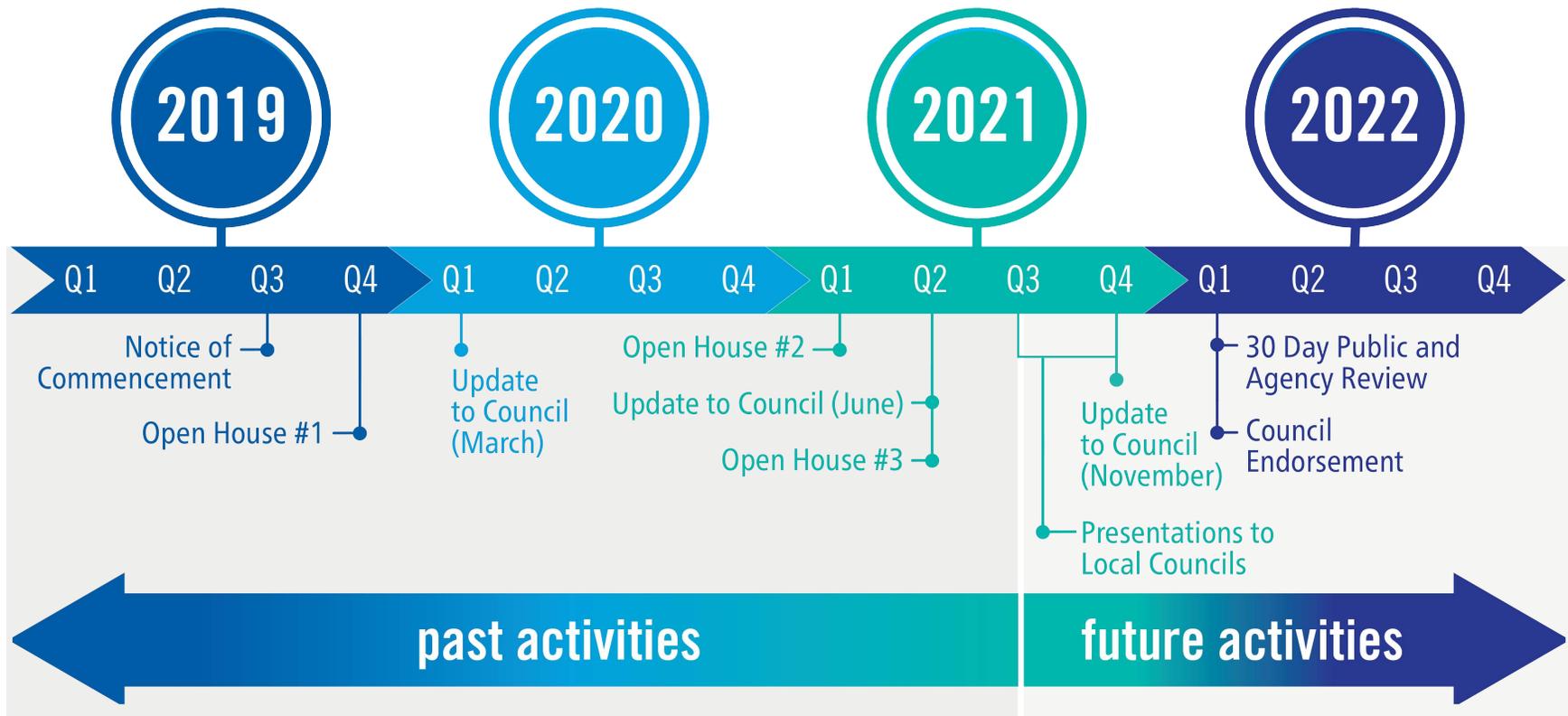
- Region and Town work together to jointly deliver water and wastewater services
  - Joint Water Operations Committee works to align short and long term operational initiatives
  - Numerous projects and initiatives undertaken by the Town and Region to proactively address operational concerns
  - Strong partnerships with academia and consultants support operational programs and continuous improvement

# 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

Tracey Carrigan

[Tracey.Carrigan@york.ca](mailto:Tracey.Carrigan@york.ca)

