

Welcome!

Public Information Centre

2025

Water & Wastewater

Master Plan

Mississauga

Paramount Fine Foods Centre
Meeting Room

Tuesday, December 2, 2025
5:30 – 7:30 p.m.

Brampton

Region of Peel
Brampton and Caledon Room

Wednesday, December 3, 2025
5:30 – 7:30 p.m.

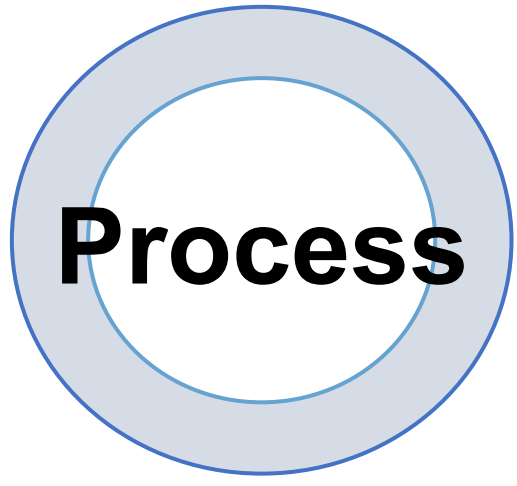
Caledon

Caledon East Community Complex
Lion's Den

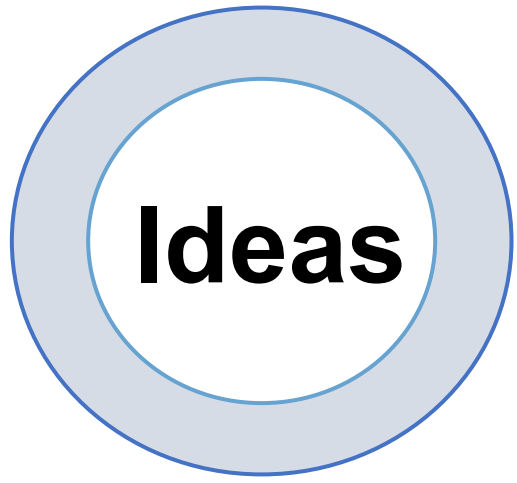
Thursday, December 4, 2025
5:30 – 7:30 p.m.

Why are we Here?

2025 Water & Wastewater Master Plan PIC Objectives



Form an understanding of the Master Plan process.



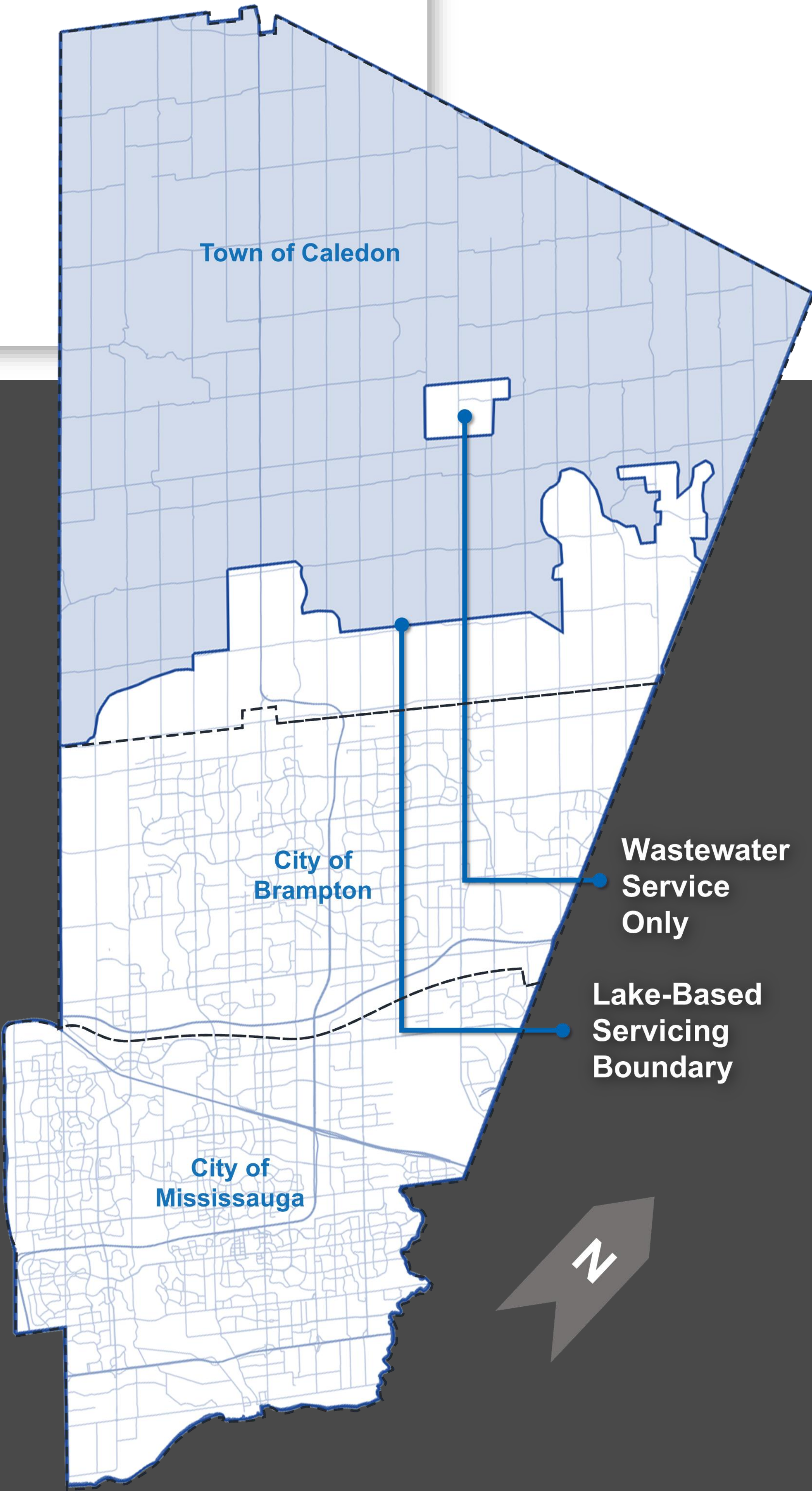
Hear about the study and the preliminary preferred water and wastewater strategies.



Provide your feedback on the Master Plan study – Stay involved.

Purpose of the Study

1. Determine the preferred lake-based water and wastewater servicing strategies to address current servicing needs and accelerated growth driven by the Province’s housing priorities.
2. Align with the latest Council approved population and employment forecasts to 2051.
3. To consider impacts on intensification and post-2051 growth.
4. To provide the business case for the need, timing, and cost of servicing and infrastructure.
5. Provide effective engagement with Indigenous Communities, and consultation with Stakeholders, Agencies, and the Public.
6. To follow the Municipal Class Environmental Assessment (EA) process for Master Plans.

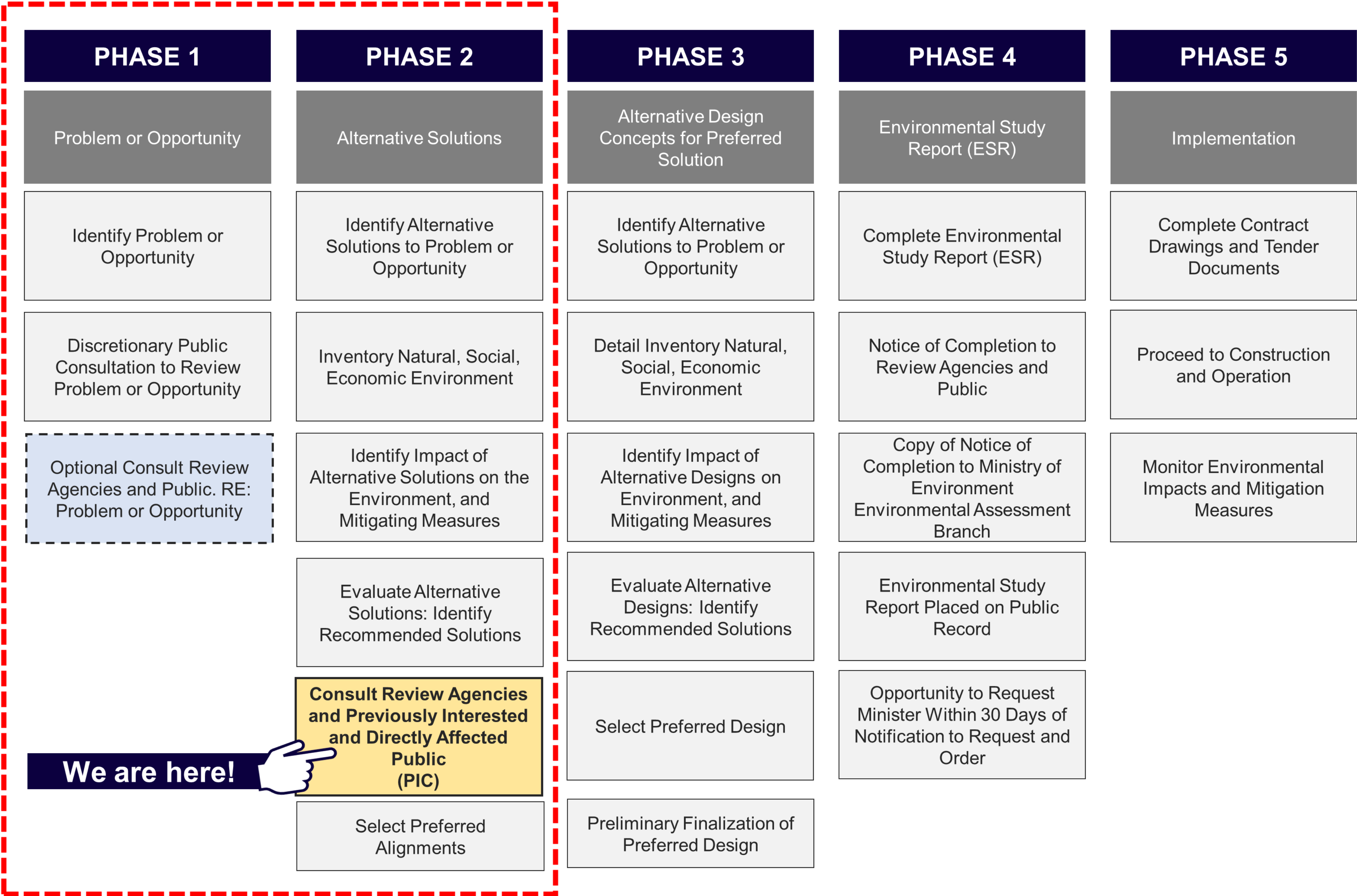


Municipal Class EA

Process and Consultation

Study Problem / Opportunity Statement

The 2025 Water and Wastewater Master Plan has been initiated to identify servicing requirements for existing service areas and growth areas to 2051 as well as consider the impact of potential post-2051 intensification and greenfield growth.



Key PIC Dates

❖ December 2, 2025 – December 4, 2025

PIC in-person presentations and materials posted to project website.

❖ December 2, 2025 – January 9, 2026

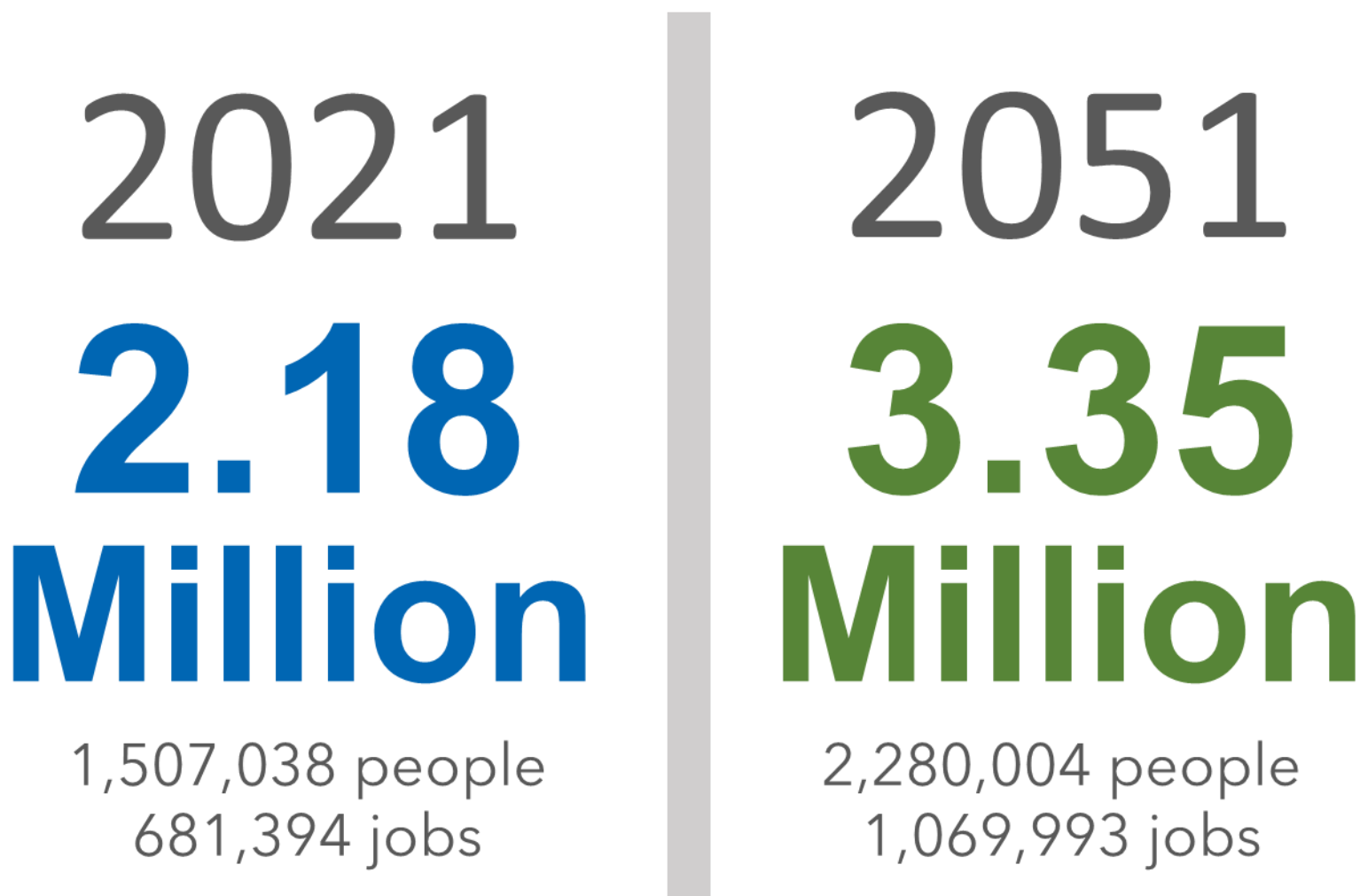
If you have any questions or wish to provide your input, please speak with one of the project team members, and/or you may contact the Region of Peel Project Manager at italia.ponce@peelregion.ca.

❖ February 2026

Responses to questions and comments posted to project website.

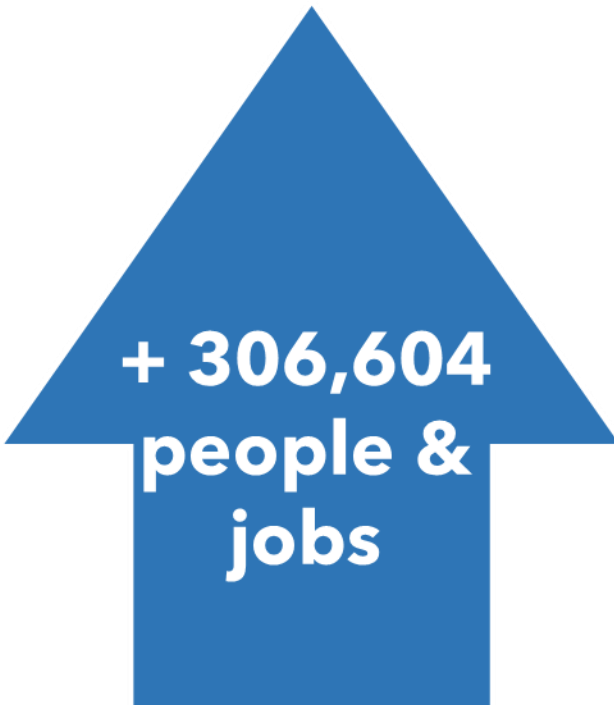
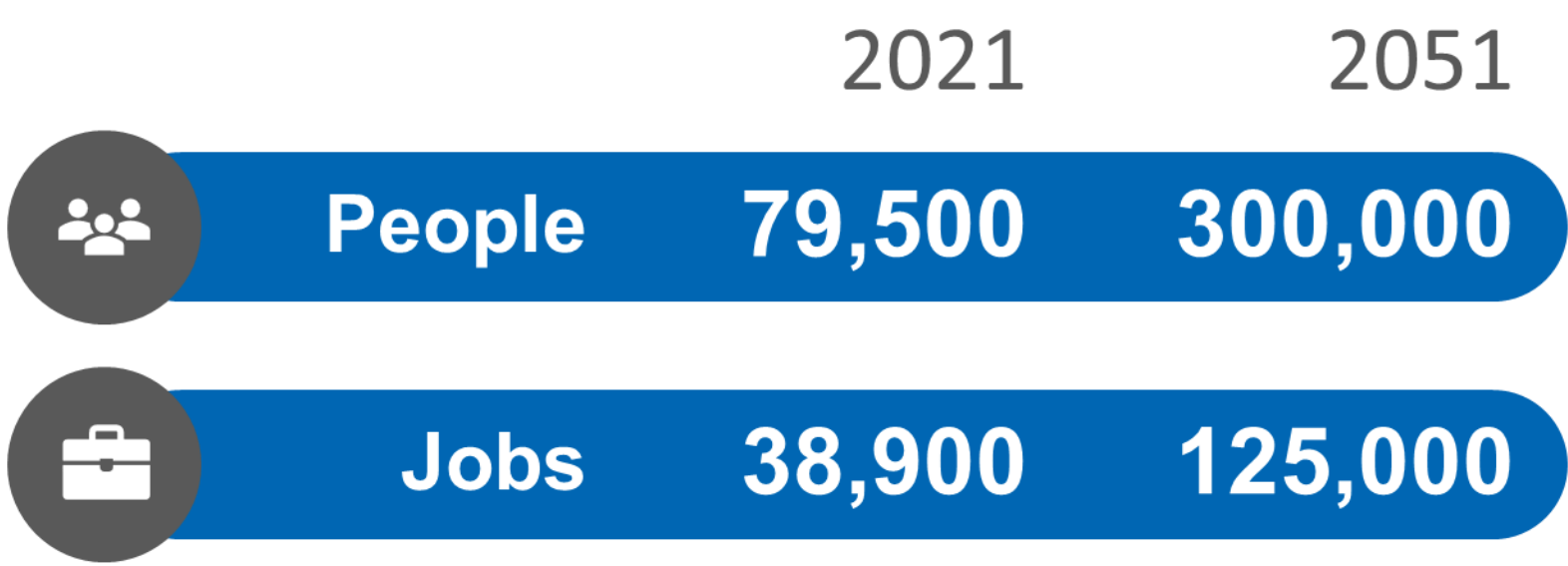
Study Area and Planning Projections

Peel Region is
GROWING!



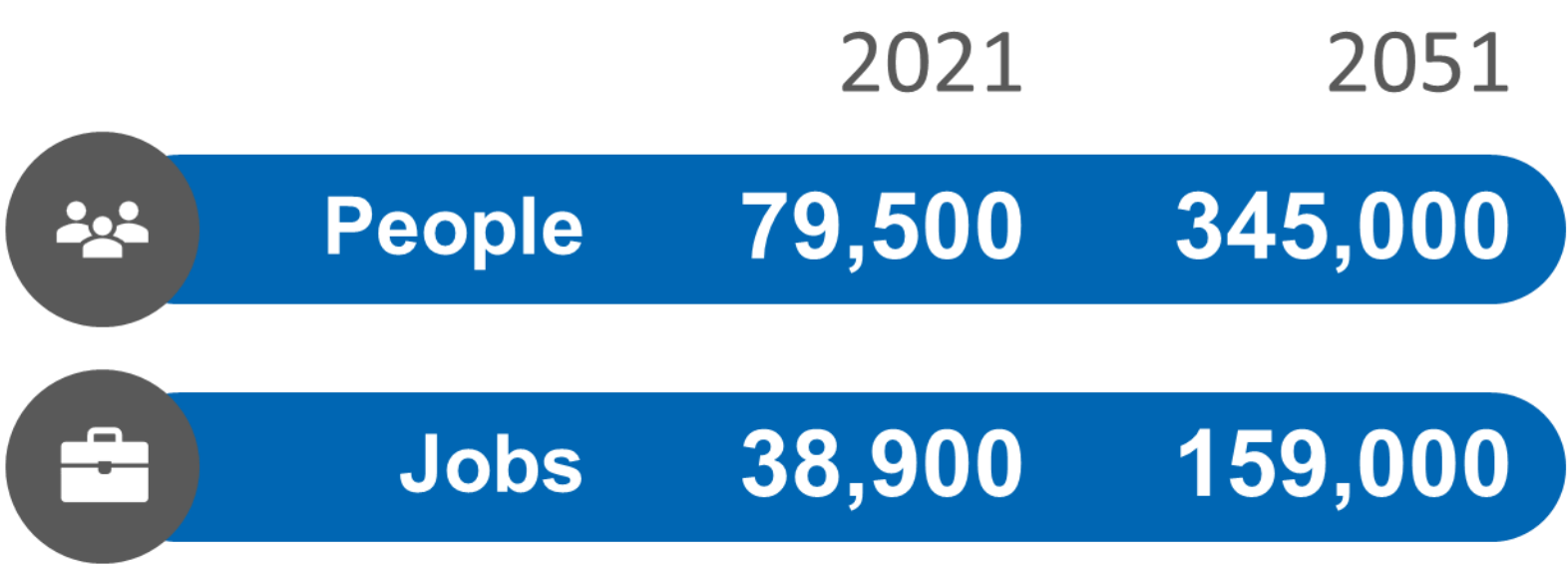
Scenario 1 Planning Numbers
(for development of the capital program)

Caledon

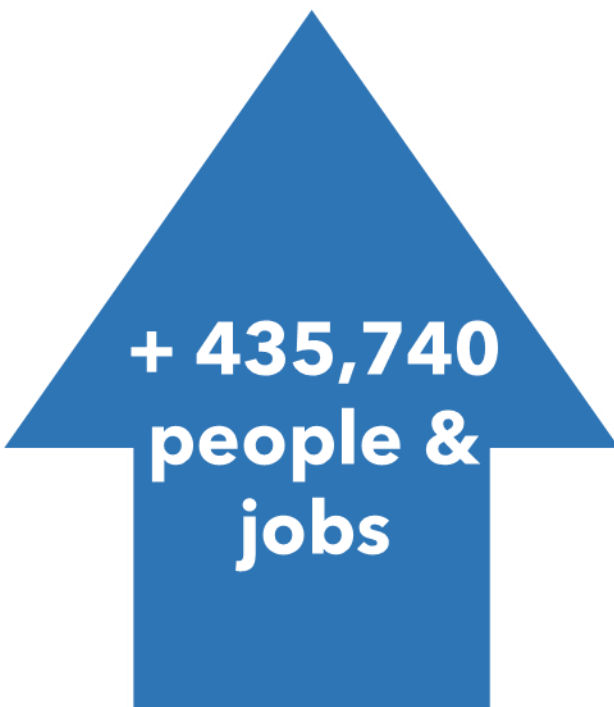
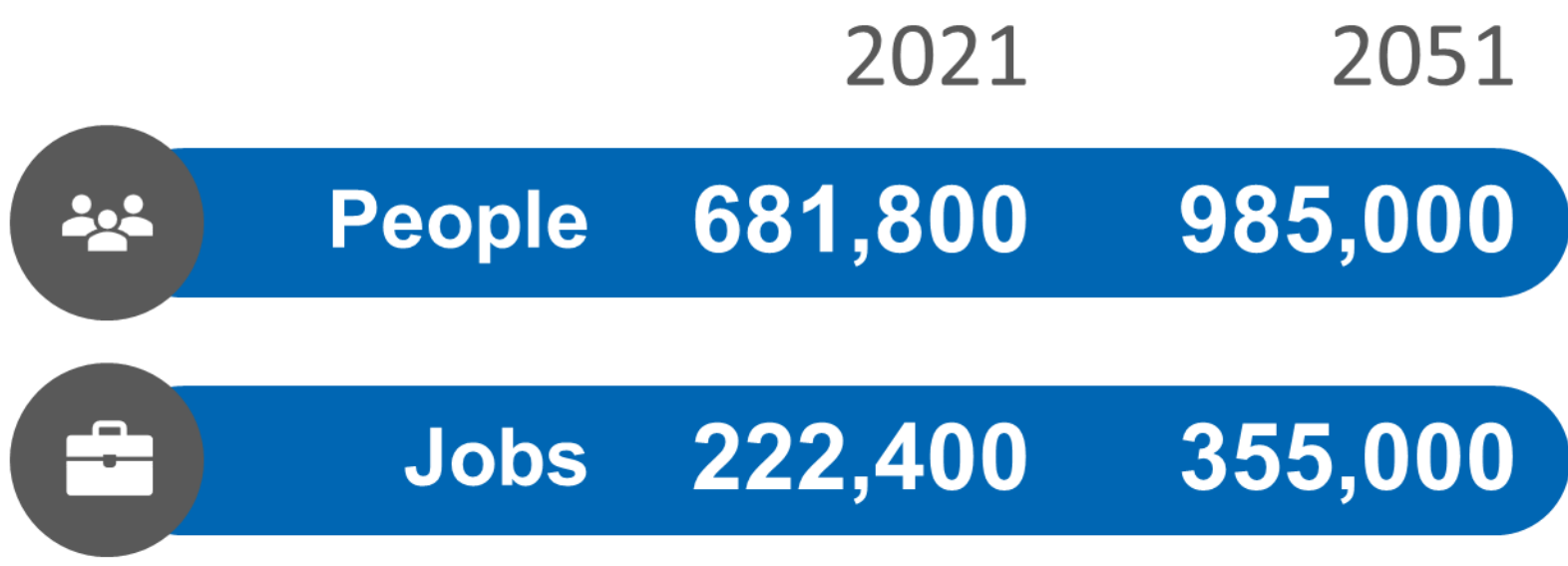


Scenario 2 Planning Numbers
(for infrastructure sizing sensitivity purposes)

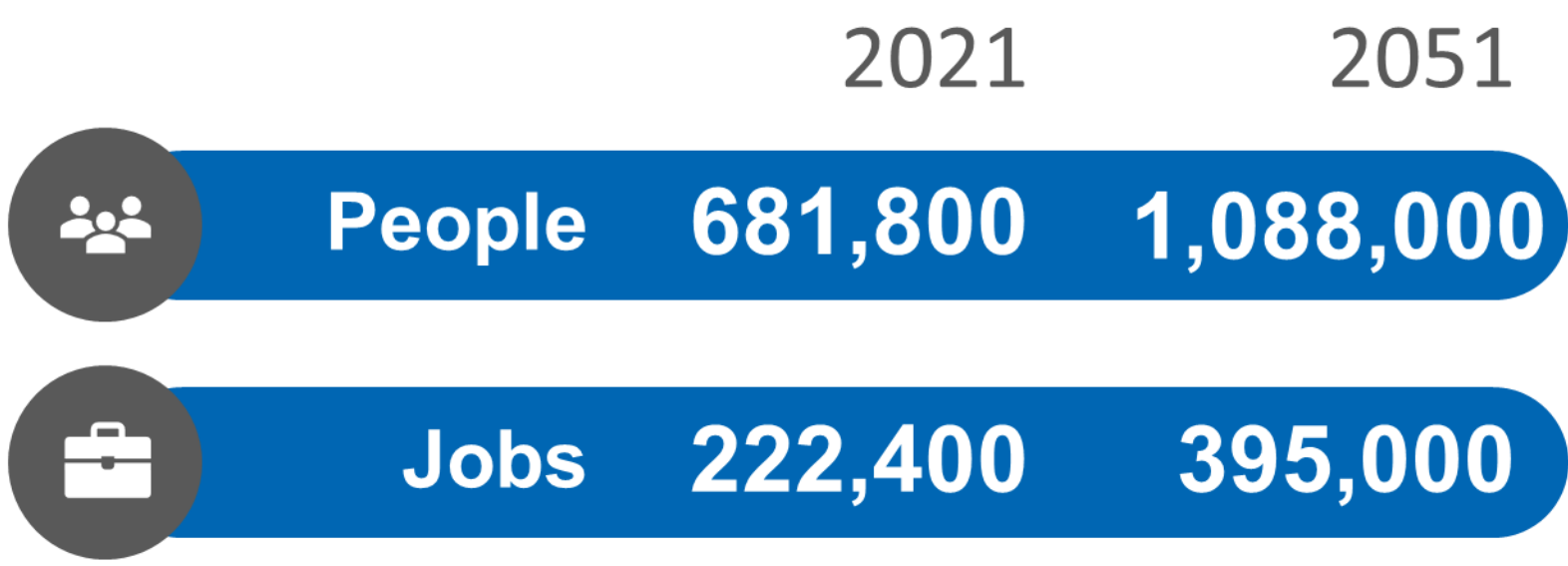
Caledon



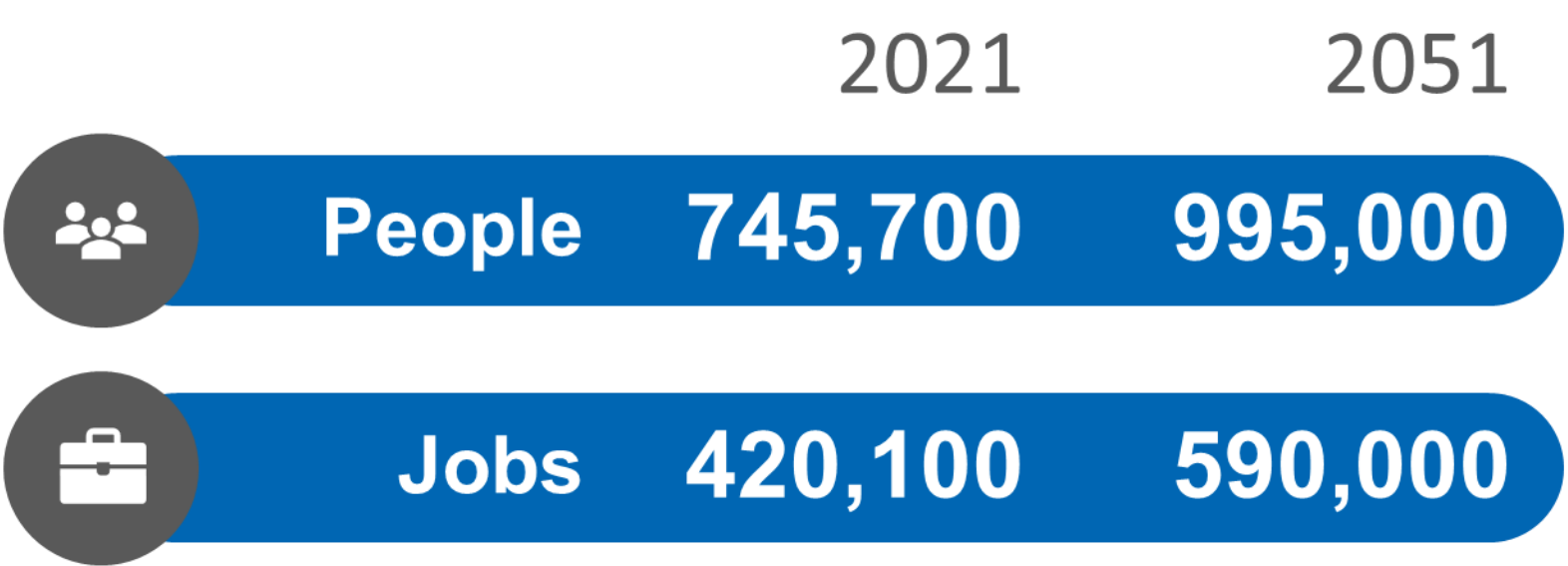
Brampton



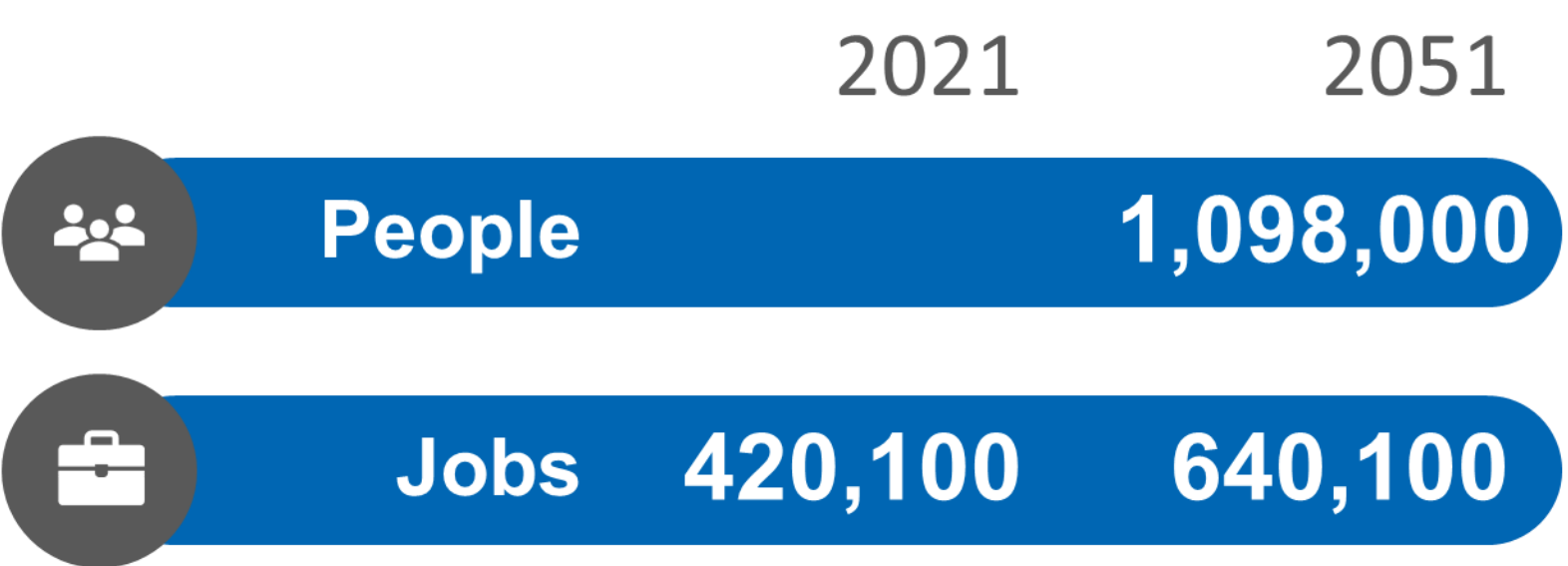
Brampton



Mississauga



Mississauga



*Municipal allocations endorsed by Regional Council for infrastructure and finance planning purposes in July 2024.

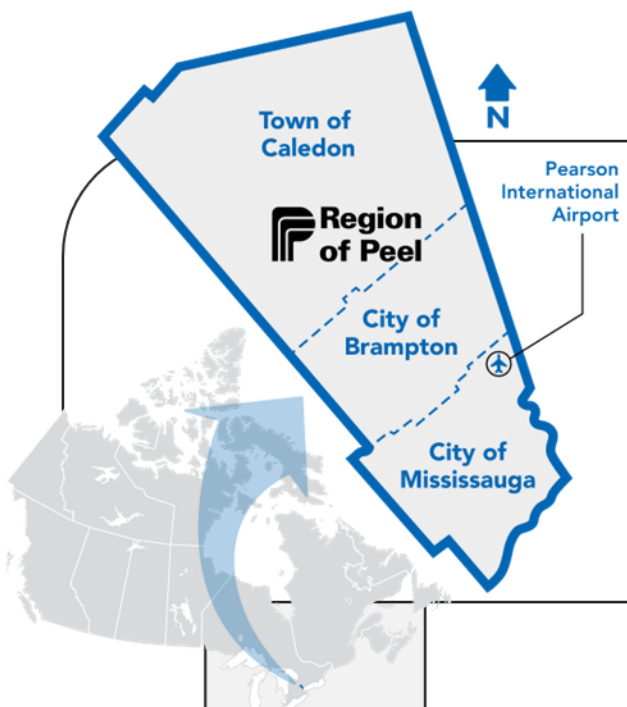
**The 2025 Master Plan capital program will be based on Scenario 1, with Scenario 2 solely being used for sensitivity analysis (i.e., identifying potential upsizing needs for sewers and/or watermain).

Master Plan **Strategy** **Development** and **Process**



Planning Policy Framework Drivers

Provincial Policy Statement
Region of Peel Official Plan Policies
A Place to Grow: Growth Plan for the Greater Golden Horseshoe



Region of Peel Study Area

Master Plan Analysis Consists of the Lake-Based Service Area Only



Existing Water System

Water Servicing Alternatives & Area Specific Analysis

Water Treatment Expansion
Airport Pumping Station '2.0'
New Sandhill Reservoir
Eastern Transmission Spine
Western Transmission Spine
Central Transmission Spine
East-to-West Sub-Transmission Mains
New Elevated Tanks in PZ6W & PZ7E
Expansion into Northern Greenfield Lands



Existing Wastewater System

Wastewater Servicing Alternatives & Area Specific Analysis

East to West Diversion & WRRF Strategy
Bolton Strategy
West Trunk Improvements
Lakeshore Road Trunk Sewer Strategy
East Brampton Trunk Sewer Strategy
Kennedy Road Trunk Sewer Strategy
Airport Road Trunk Sewer Strategy
Queensway Trunk Sewer Strategy
Etobicoke Creek Trunk Sewer Twinning
Expansion into Northern Greenfield Lands

Evaluation Criteria



Technical



Environmental

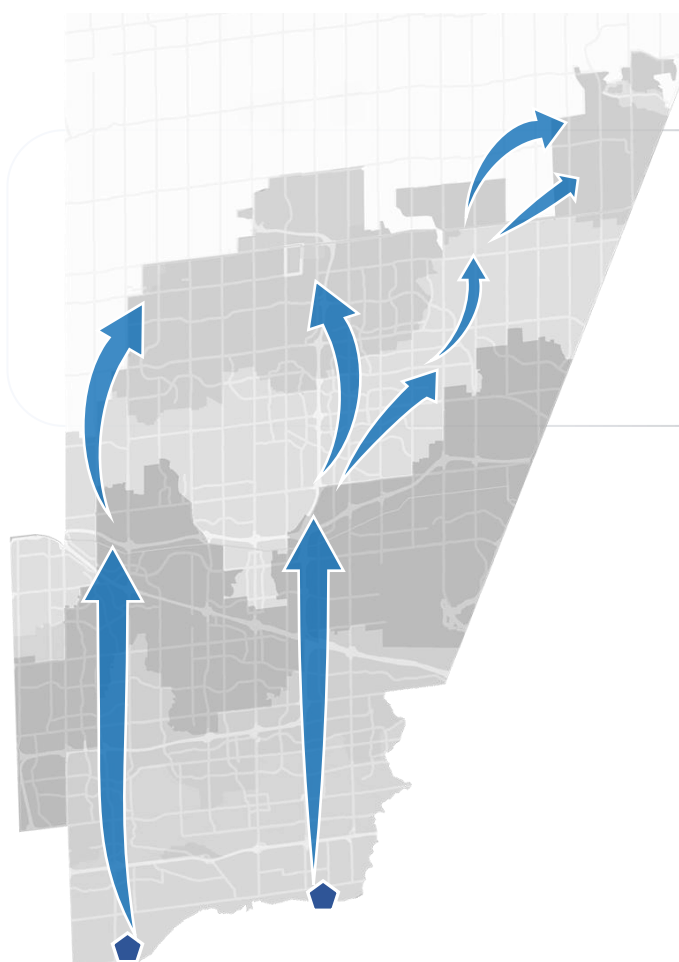


Social & Cultural

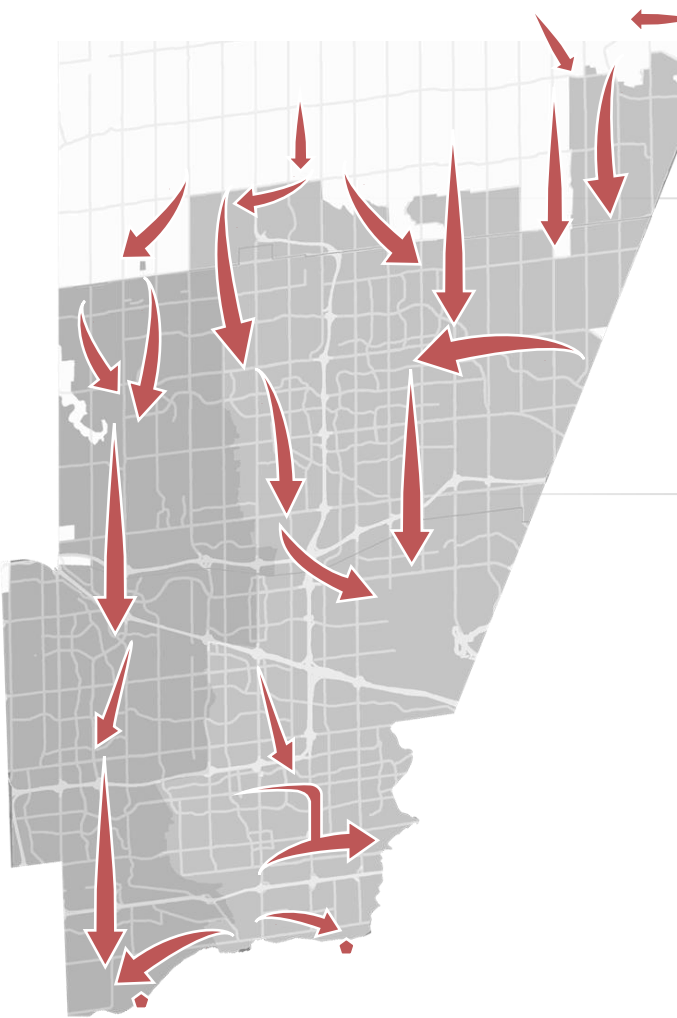


Financial

Preliminary Preferred Servicing Strategy and Capital Plan



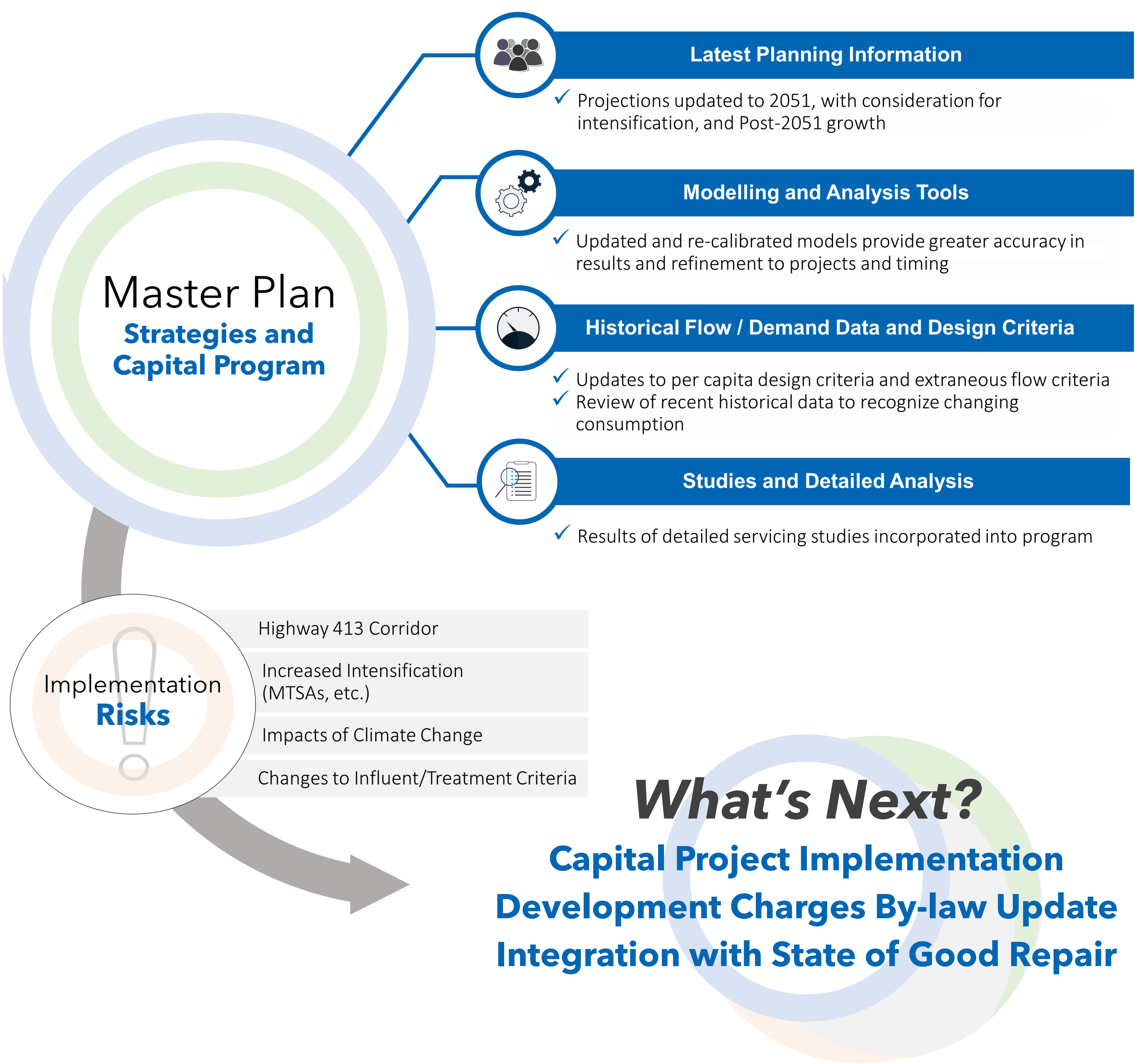
Preliminary Preferred Water Strategy



Preliminary Preferred Wastewater Strategy

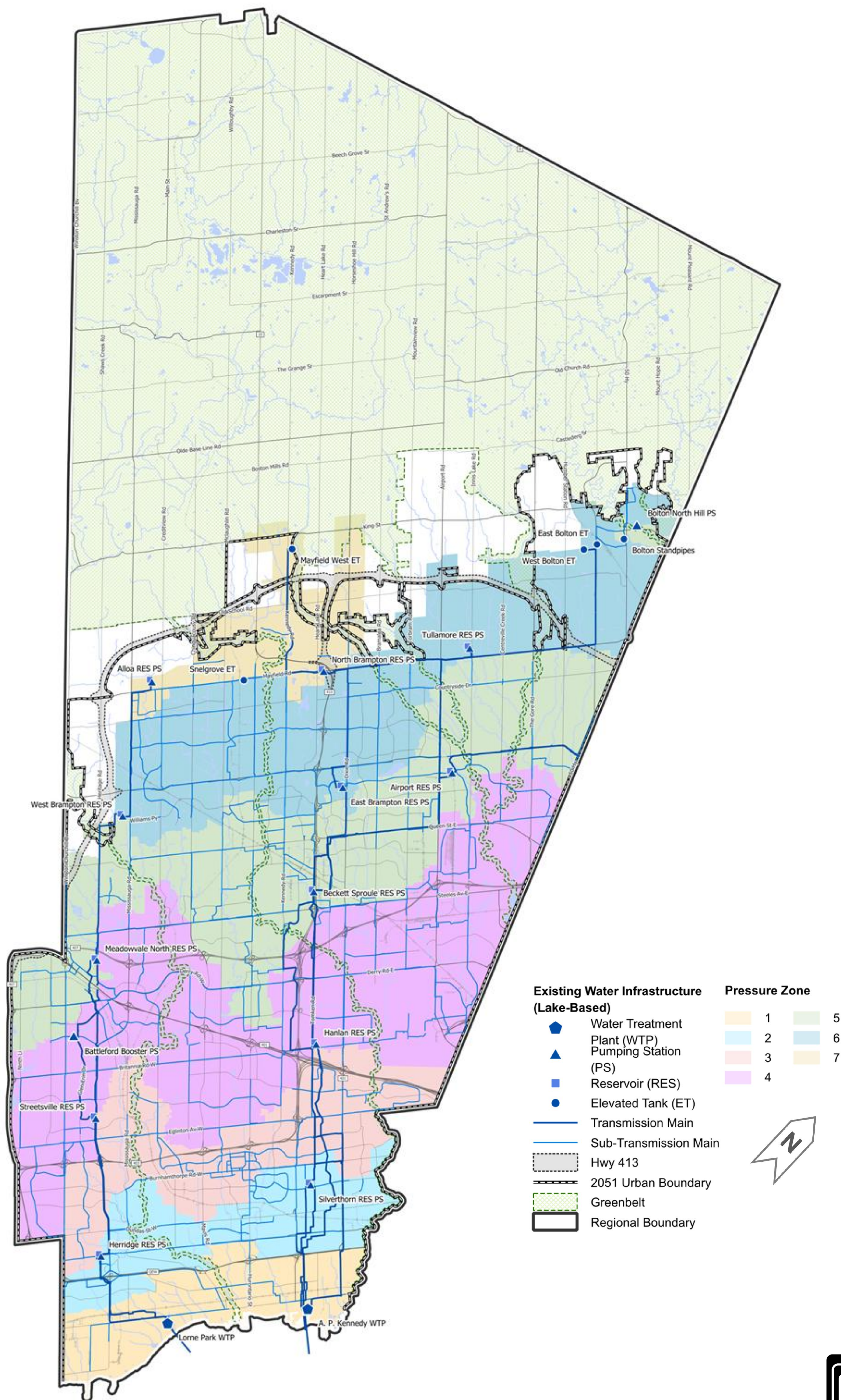
Enhancements to the Master Plan

The 2025 Master Plan incorporates the following enhancements to complete a full review and update of the servicing strategies.

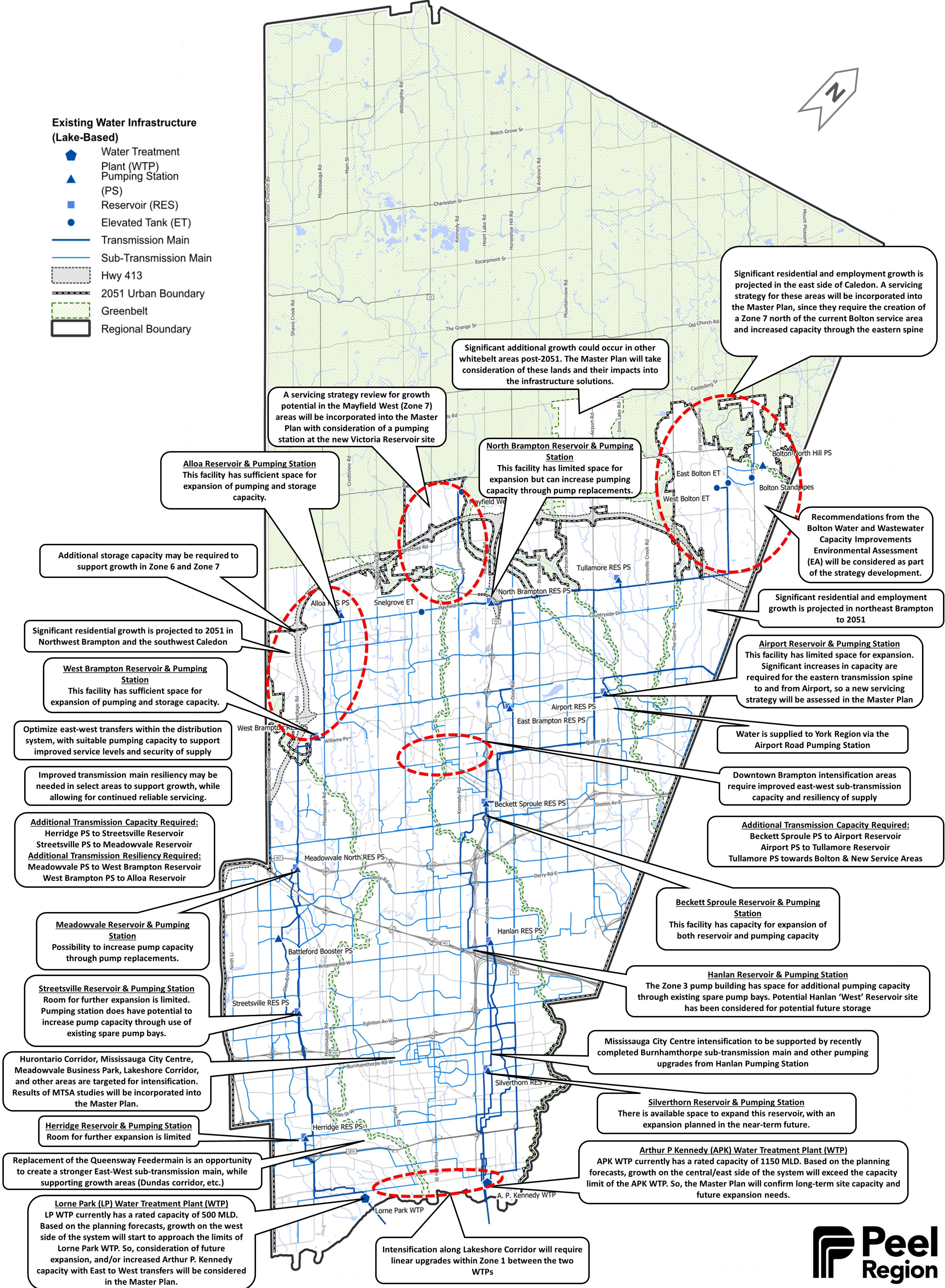


The Region of Peel is taking **a collaborative approach to planning and managing the forecasted growth to 2051** as it relates to Official Plan policies, water and wastewater planning and servicing, and financial policy.

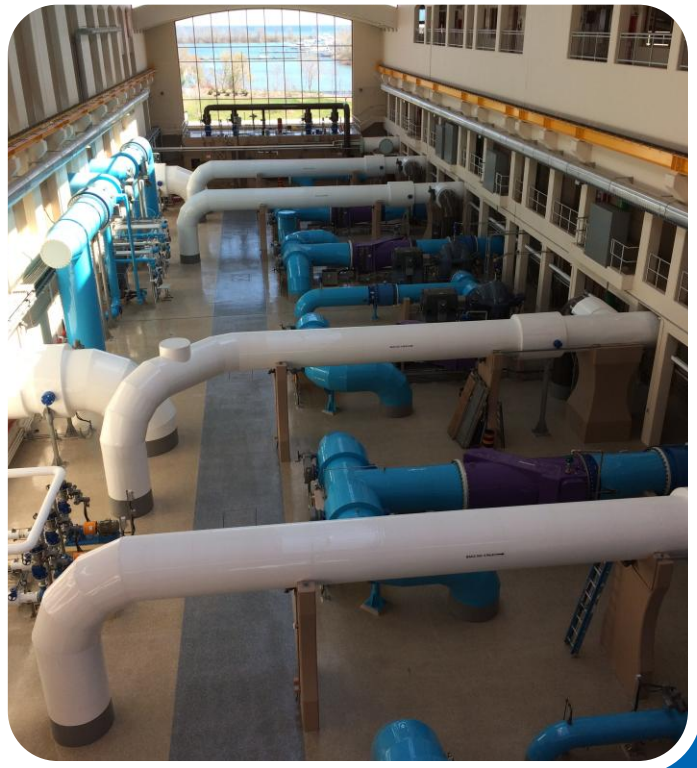
Existing Water System



Opportunities and Constraints Water



Preliminary Preferred Water Strategy



Maximizes the use of existing water transmission mains and treatment infrastructure as it builds on existing and planned transmission and distribution infrastructure.

Strategic oversizing of infrastructure, where justified, to support growth beyond 2051.

Strengthens resiliency of infrastructure to ensure continued servicing as aging assets undergo necessary rehabilitation and maintenance.

Region of York

- Peel will continue to provide water to York Region as per existing agreement.

Zone 7

- Extension of distribution network
- New West Caledon Transmission Main
- New elevated storages: West Caledon Elevated Tank and East Caledon Tank(s)
- New pump stations to support Zone 7 East
- New Victoria PS to support Zone 7 Central

Zone 6

- New Victoria Transmission Main & Reservoir
- Extend watermain into northwest Brampton Greenfield
- New secondary feed to West Bolton
- New Sandhill Zone 6 PS
- New floating storages: West Brampton

Zone 5

- Extend watermain for Greenfield growth
- Improve East-West capacity and Downtown Brampton Intensification with Williams Parkway and Queen Street sub-transmission
- West Brampton to Alloo Transmission twin
- New Sandhill Zone 5 (East) Reservoir

Zone 4

- Improve feed to East Brampton Zone 4 Reservoir via East Brampton Transmission Main Twinning
- Meadowvale to West Brampton Transmission Twinning
- Airport to Tullamore Transmission Twinning
- Airport PS – Additional Nearby Building

Zone 3

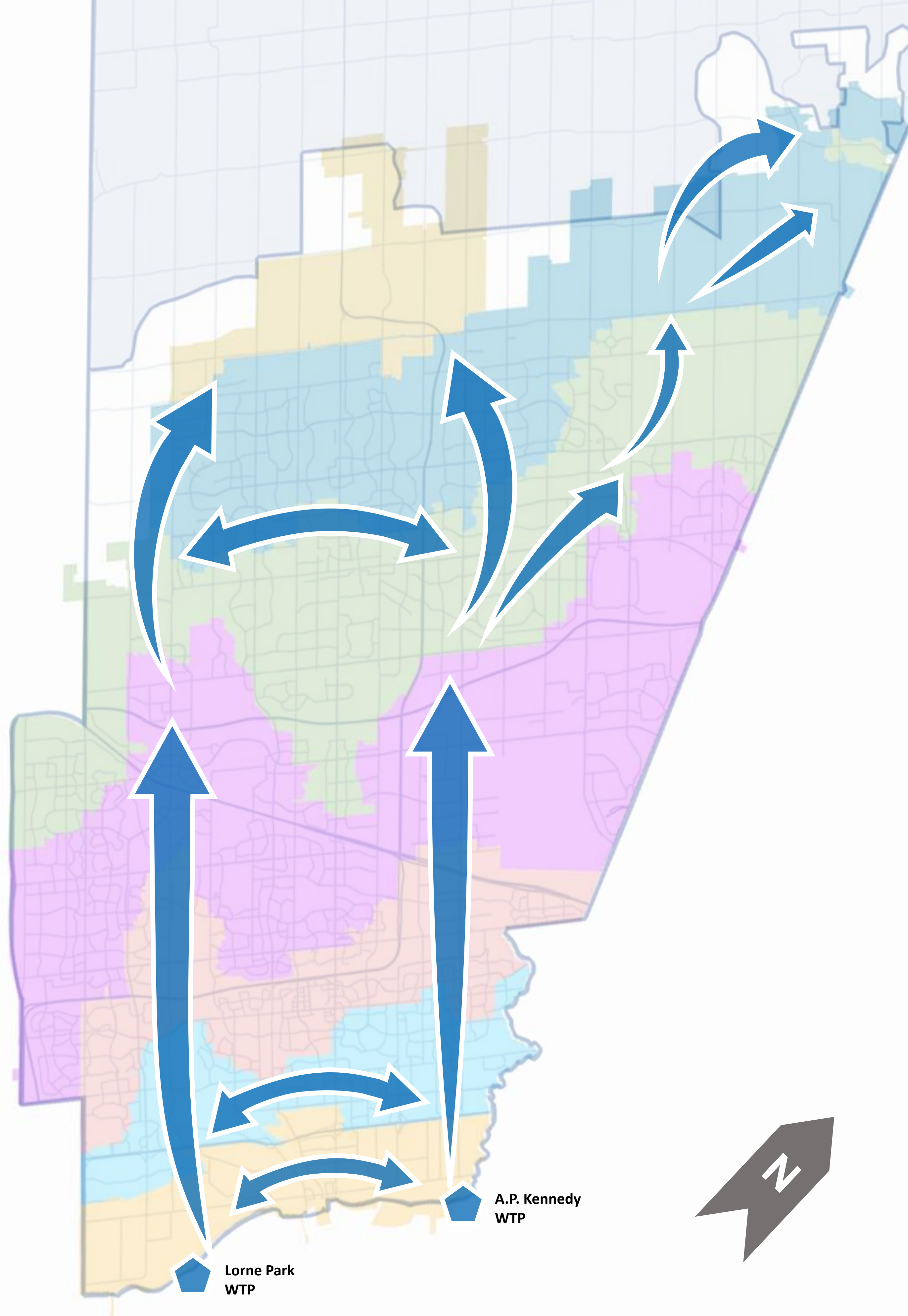
- Increase transmission and pumping capacity to convey water north
- New watermain to support growth within intensification areas

Zone 2

- Increase transmission and pumping capacity to move water north
- Queensway/Dundas east to west sub-transmission to balance treatment needs and improve resiliency

Zone 1

- Support growth and pressure zone 1 interconnectivity (Lakeshore)

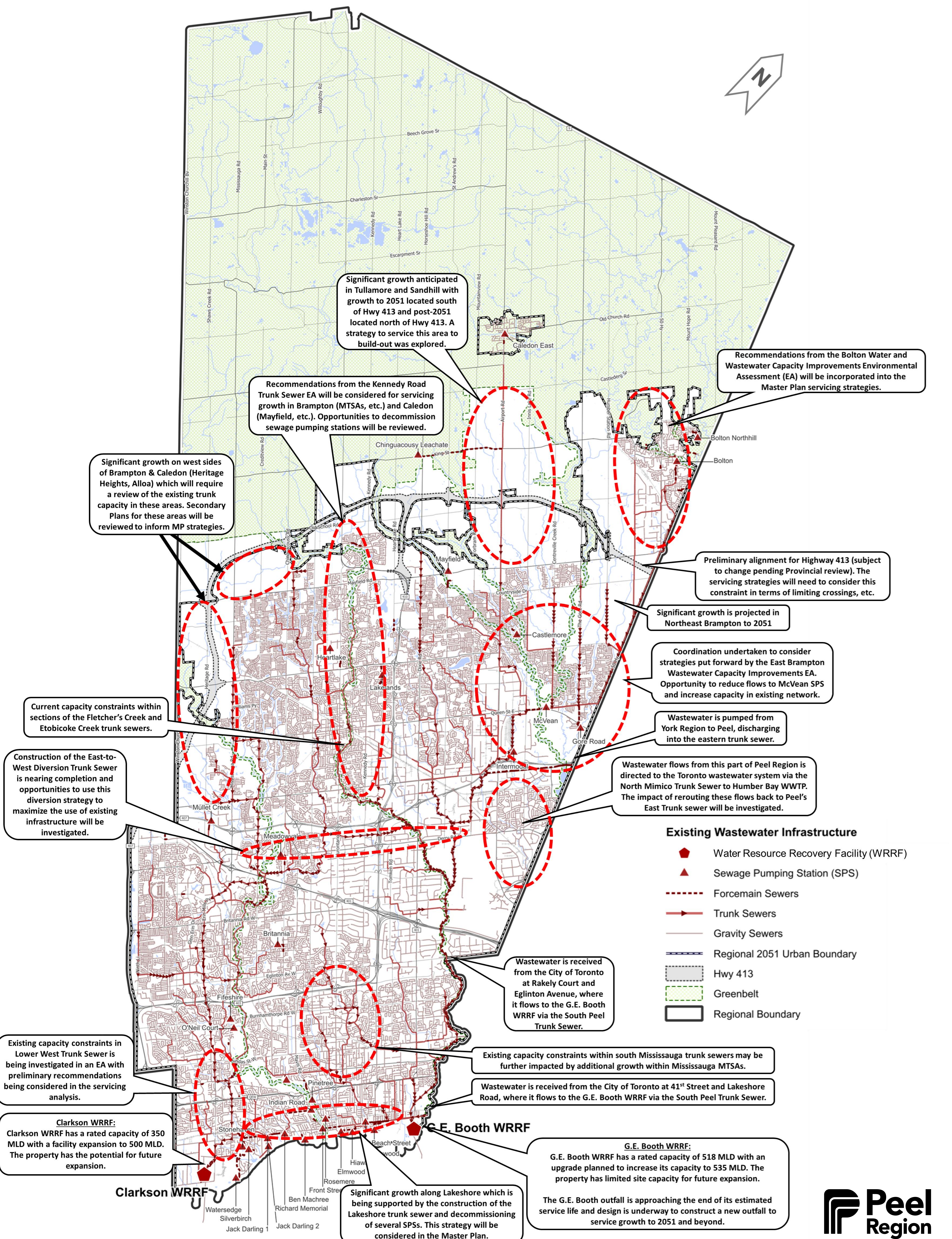


Water Treatment

- Plants near or exceeding capacity limits by 2051.
- Arthur P. Kennedy and Lorne Park WTP expansions



Opportunities and Constraints Wastewater



Preliminary Preferred Wastewater Strategy



Maximize the use of existing trunk wastewater conveyance and treatment infrastructure.

Strategic oversizing of infrastructure, where justified, to support growth beyond 2051.

Region of York & City of Toronto

Peel will continue to receive wastewater flows from York Region and the City of Toronto as per existing agreements.

Flow Diversions

1. East to West Diversion Trunk Sewer
2. East Brampton Trunk Sewer
3. Lakeshore Road Trunk Sewer
4. Kennedy Road Trunk Sewer with connection to East to West Diversion

Collection System Strategies & Trunk Sewer

5. Etobicoke Creek Trunk Sewer Twinning
6. Lower West Trunk Sewer Twinning
7. Bolton (North Hill & West) Strategies
8. Mississauga Road Trunk Sewer
9. Queensway Trunk Sewer
10. Mississauga and Brampton MTSA Strategies
11. Tullamore/Airport Road Strategy

Pumping Stations

New pumping stations:

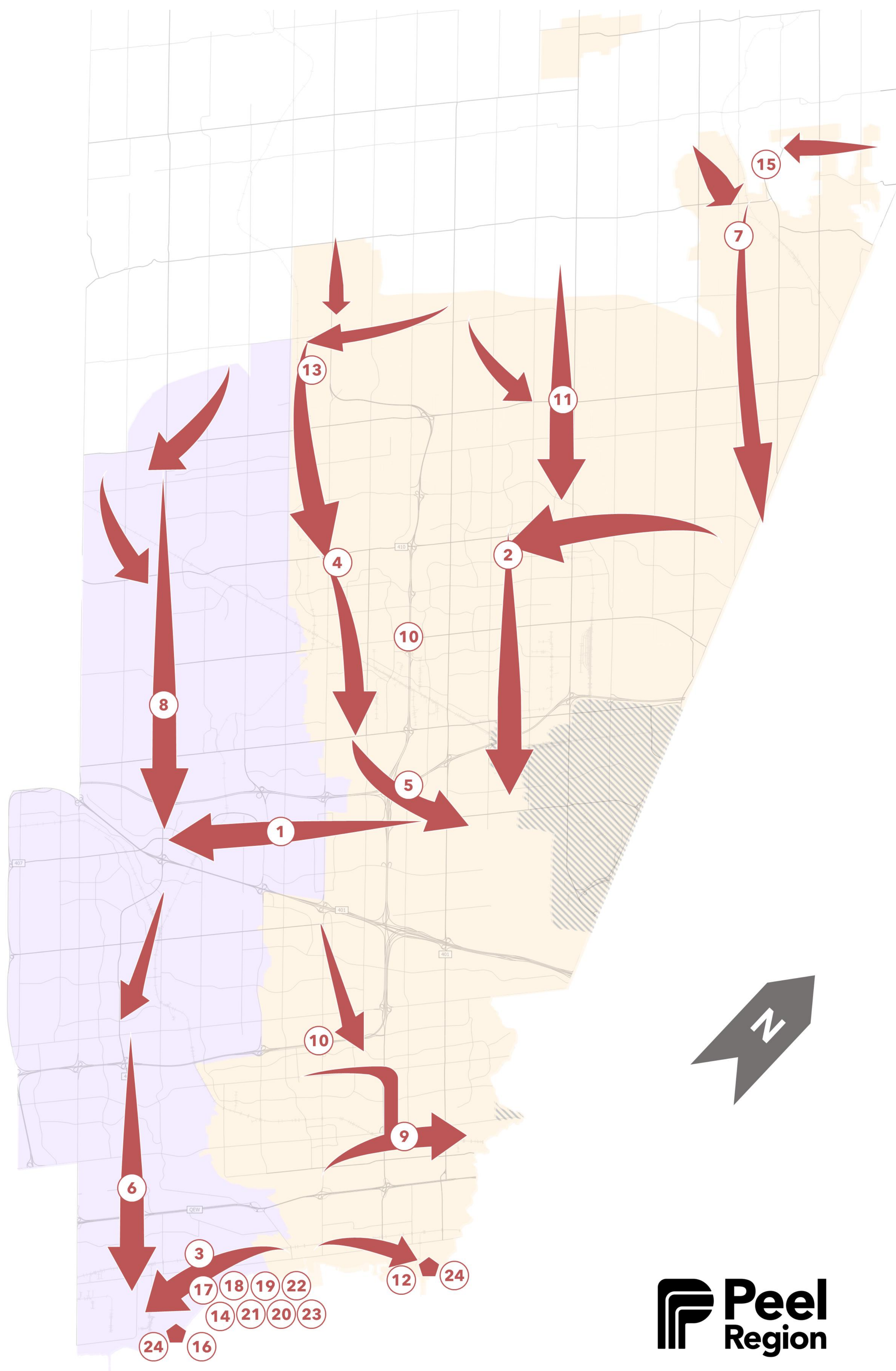
12. Lakeview Village SPS
13. Mayfield West Phase II SPS
14. Jack Darling 3 SPS
15. New SPS to service Bolton North Hill
16. New SPS near Clarkson WWRF

Decommissioning of existing stations:

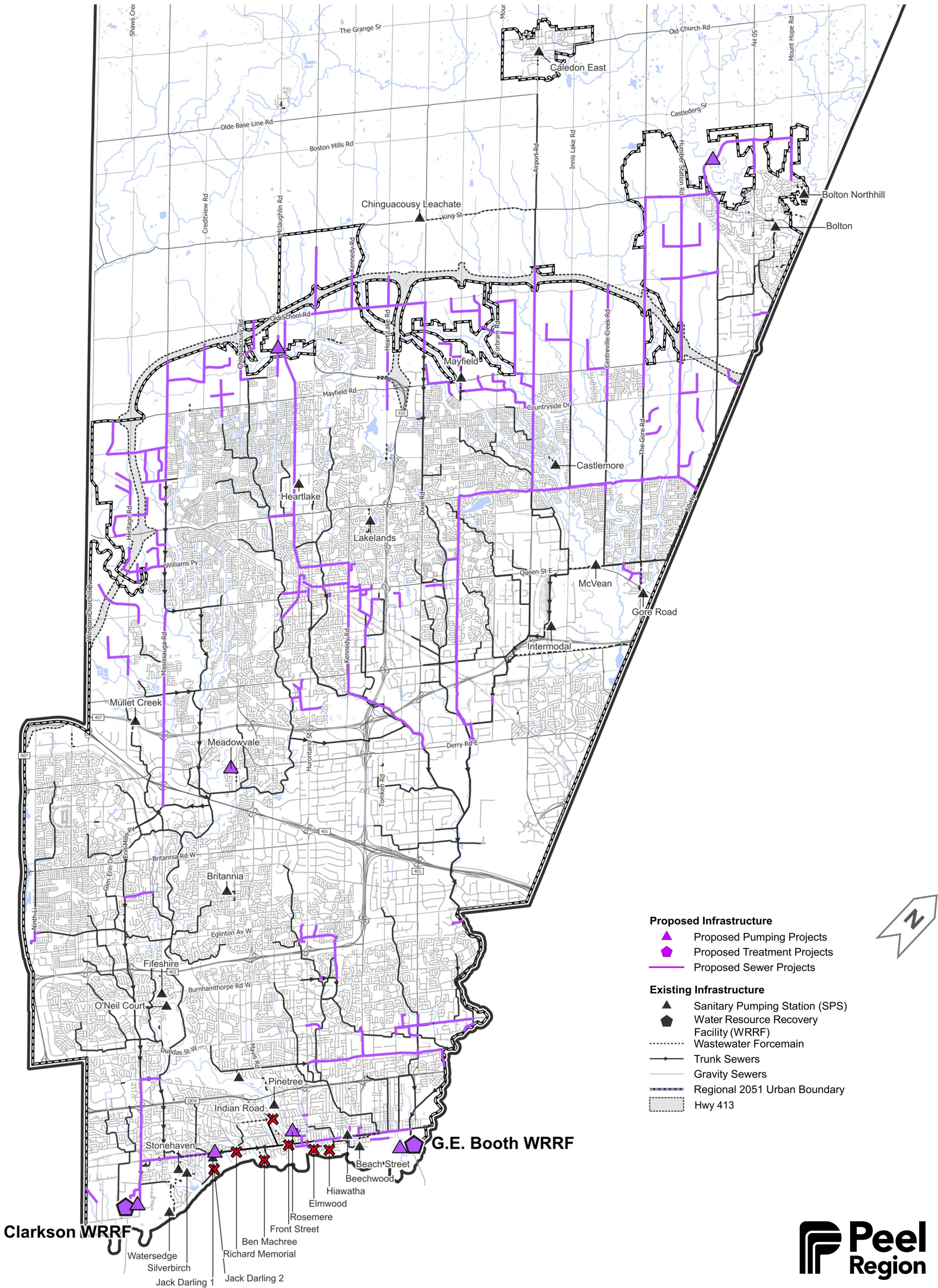
17. Jack Darling 2 SPS
18. Richard's Memorial SPS
19. Indian Road SPS
20. Front Street SPS
21. Ben Machree SPS
22. Elmwood SPS
23. Hiawatha SPS

Wastewater Treatment

24. WRRF capacity expansion at both facilities and new outfall at G.E. Booth WRRF



Preliminary Preferred Wastewater Strategy



Please Stay Engaged

Thank You for Participating!

Following this Public Information Centre (PIC), the project team will:

- Review and consider your input received during and following the PIC.
- Confirm and finalize the preferred water and wastewater servicing strategies.
- Engage with Indigenous Rights and Interest Holders.
- Consult with affected/directly impacted parties, public review agencies and other interested stakeholders.
- Prepare final Master Plan document for 45-day public review period.

Visit the Project Website



<https://peelregion.ca/construction/environmental-assessments/2025-water-wastewater-master-plan-lake-based-systems>

Do you have any questions, comments, or want to stay up to date? Please contact us anytime.

Italia Ponce, P.Eng.

Advisor, Water and Wastewater
Infrastructure Planning

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Brampton, ON L6T 4B9

Italia.ponce@peelregion.ca

Please note that information related to this study will be collected in accordance with the *Freedom of Information and Protection of Privacy Act*. All comments received will become part of the public record and may be included in the study documentation prepared for public review.