

Welcome!

Open House

Planning and Managing Growth to 2041

- Growth Management
Regional Official Plan
Amendment
- Transportation
Regional Official Plan
Amendment
- Water and Wastewater
Master Plan
- Long Range
Transportation
Plan

4 – 8 p.m.

**Presentation
at 6:30 p.m.**



Growth Management: A New Approach

The Region has saved and deferred over half a billion dollars in costs associated with growth by undertaking early and ongoing collaboration, identifying efficiencies, and streamlining processes.



Principles of Growth Management at the Region of Peel:

- efficiently using existing and planned Regional infrastructure
- supporting “growth pays for growth” to minimize financial impacts to existing residents and businesses
- protecting environmental and agricultural resources
- creating densities that support transit, affordable housing and complete communities
- planning for a range of employment over the long-term to adjust to market cycles.

Growth management initiatives are aligned with the Region's Strategic Plan

Vision: *Community for Life*

Mission: *Working with you to create a healthy, safe and connected community*



Living

People's lives are improved in their time of need.



Thriving

Communities are integrated, safe, and complete.



Leading

Government is future-oriented and accountable.

In this Council term, we are working with partners to...

- ✓ increase affordable housing
- reduce poverty
- ✓ increase stable employment

- increase waste diversion
- ✓ adapt to and mitigate the effects of climate change
- ✓ promote healthy and age-friendly built environments
- ✓ improve goods movement
- ✓ plan and manage growth

- modernize service delivery
- attract and retain top talent
- create a modernized workplace

By 2035, you will...

- ✓ have access to services that meet your needs at all stages of life
- ✓ have affordable housing options
- ✓ have access to employment opportunities of your choice
- have access to culturally appropriate services
- have access to local, nutritious food sources
- have a responsibility to contribute to community well-being

- ✓ live in a community that is environmentally friendly
- ✓ live in a community that promotes mobility, walkability, and various modes of transportation
- live in a community that embraces diversity and inclusion
- ✓ live in a community that promotes economic sustainability and future investments in Peel
- ✓ live in a community where growth is well managed
- ✓ live in a community where the built environment promotes healthy living

- ✓ trust that sustainability and long-term benefits to future generations are considered
- trust that the Region of Peel is a model and progressive employer
- trust that co-ordination and partnerships occur
- ✓ trust that a systematic approach to innovation is in place
- ✓ trust that the community voice and participation are welcome
- ✓ trust that the Region of Peel is a well-managed government

The Regional Official Plan

The Regional Official Plan is a long-term strategy to provide a holistic approach to planning that integrates environmental, social, economic and cultural imperatives in Peel.

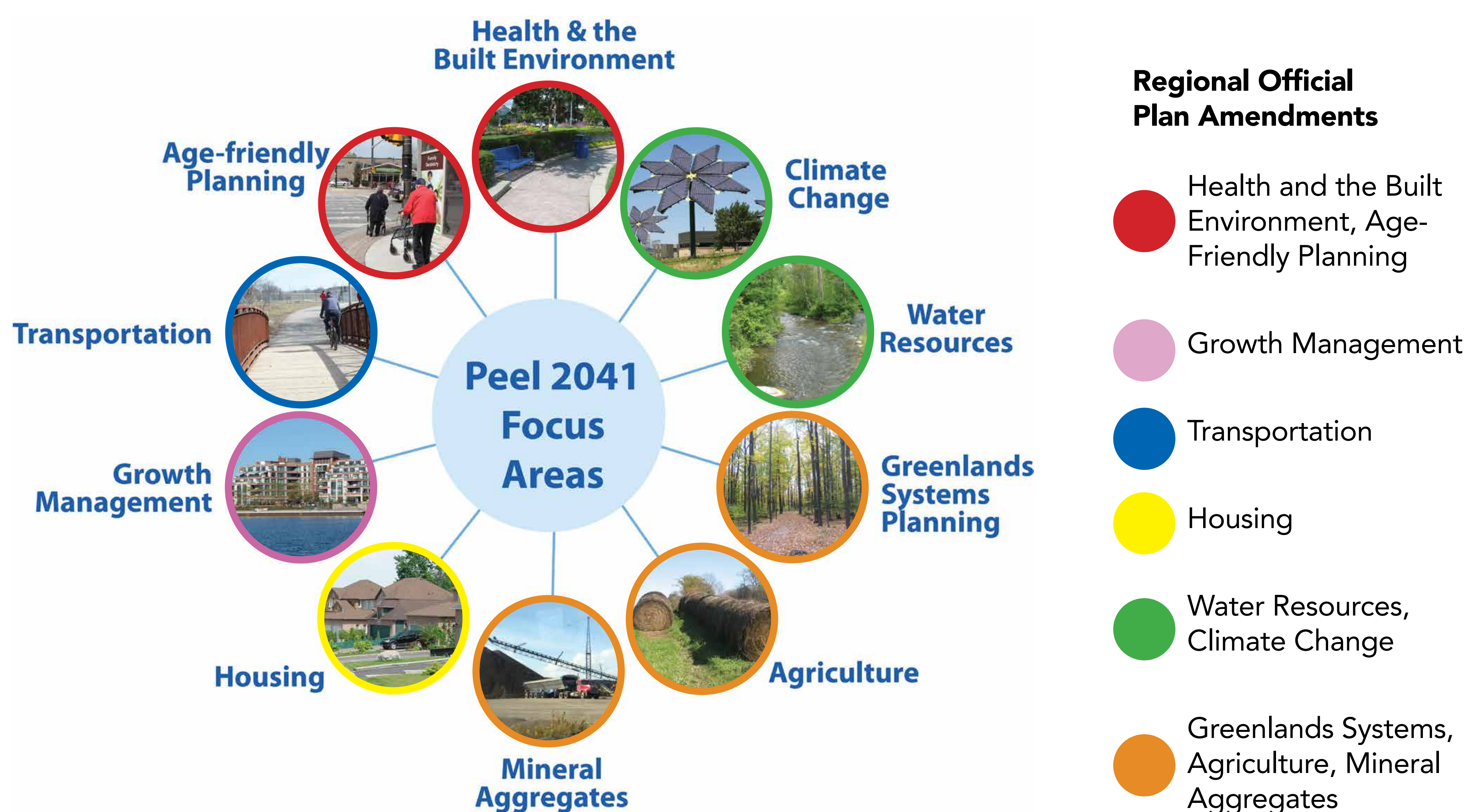
Since 1996, the Region of Peel has reviewed the Official Plan every five years as mandated by the Ontario Planning Act.

This helps us better plan for Peel's future by allowing us to:

- collect feedback from our residents, businesses and employees
- take action based on new population and employment forecasting
- maintain compliance with new provincial legislation, plans and policies

Peel 2041: Regional Official Plan Review

The Region is currently reviewing the Official Plan through **Peel 2041**. The review will be completed through a series of Regional Official Plan Amendments (ROPAs).



Consultation Process

2017

Public and stakeholder consultation

- Development industry
- Residents
- Conservation Authorities
- Indigenous communities
- Agencies

2018

Targeted	February	Statutory open houses and public meeting
	March-April	Input collected from open houses, public meeting, and correspondence
	May	Updating policies and reports Recommend Regional Council adoption of Growth Management and Transportation ROPAs
	Fall	Provincial Approval of Regional Council adopted policies

Your input matters!

Attend our open houses and public meetings
or visit us at peelregion.ca/officialplan

Growth Management and Transportation ROPA Public Meetings:

February 22, 2018

9:00 a.m.

(Growth Management ROPA Public Meeting,
immediately followed by Transportation ROPA Public Meeting)

Council Chambers

Region of Peel Headquarters

10 Peel Centre Dr., 5th floor, Suite A

Brampton, ON

Draft Growth Management Regional Official Plan Amendment

Purpose:

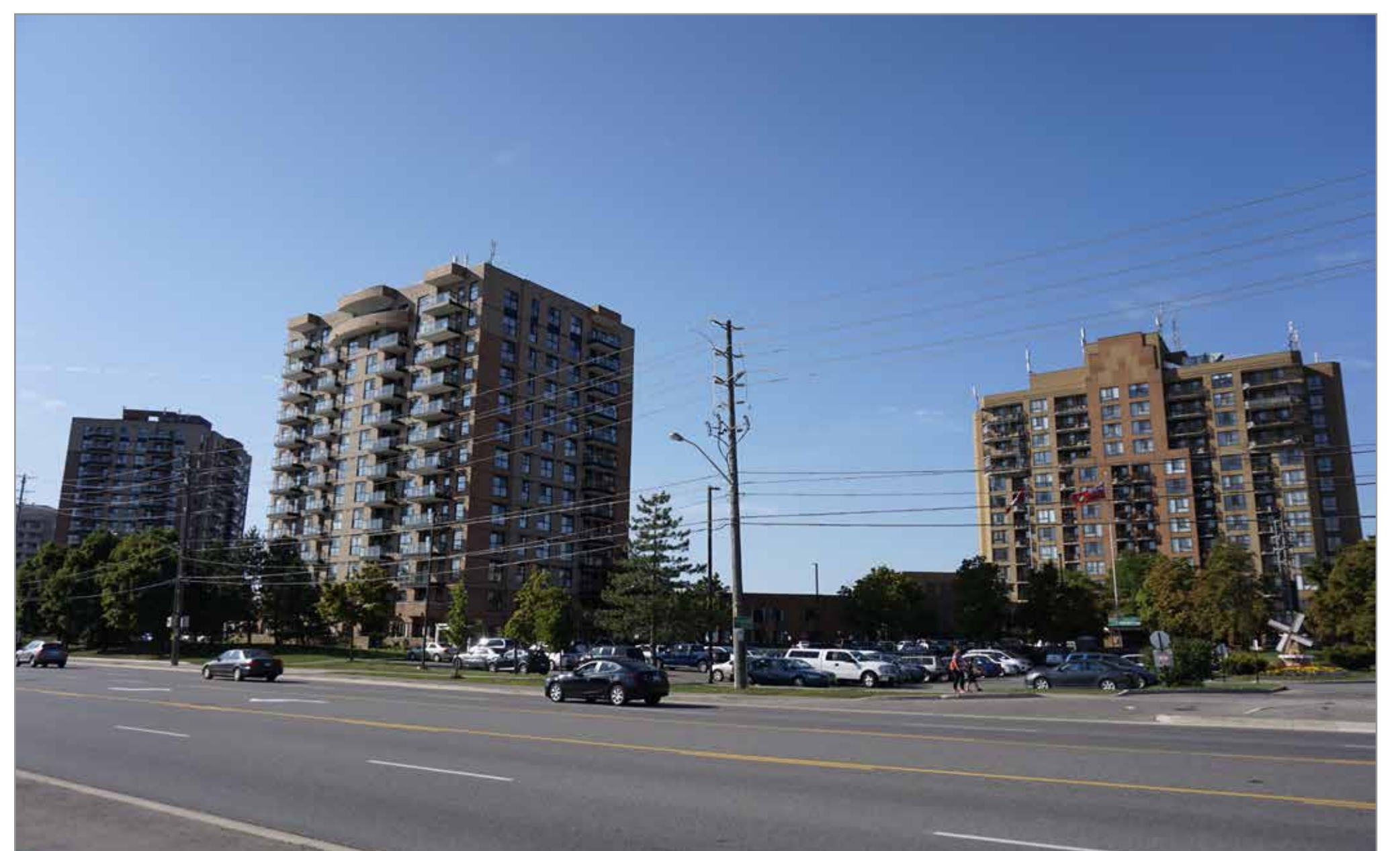
To revise and add policies to the Region of Peel Official Plan to conform to Provincial policy and implement regional initiatives in growth management.

What is leading the change for Growth Management in the Region of Peel?

- Conformity to the Provincial Growth Plan, 2017, including new and revised population and employment forecasts, and density and intensification targets
- Regional Council direction to manage growth collaboratively
- Alignment with Strategic Plan and Term of Council Priority
- Opportunity to reduce the cost-revenue gap associated with infrastructure development, enhancing financial sustainability
- **Support for local municipalities in planning for complete communities**

Planning for **People**

By 2041, Peel's population is expected to grow by more than 500,000 – **about the size of Kitchener-Waterloo.**



Draft Population Forecasts

Municipality	2016	2031	2041
Brampton	614,000	812,000	890,000
Caledon	69,000	116,000	160,000
Mississauga	746,000	842,000	920,000
Peel	1,429,000	1,770,000	1,970,000

Growth Management ROPA policy direction:

- Distribute population growth to enable local municipalities to achieve their visions for growth and build complete communities
- Update forecasts according to the Growth Plan, 2017

Planning for People

Peel will look a lot different in 2041. We are planning for walkable, complete communities that will include a greater variety of higher-density housing options for residents.



By 2041, densities from 80* residents and jobs per hectare (top) up to 200** residents and jobs per hectare (bottom) will become the standard for new communities and growth areas.



Growth Management ROPA policy direction:

- Increase density and intensification targets according to the Growth Plan, 2017, to enable local municipalities achieve their visions for growth and build complete communities

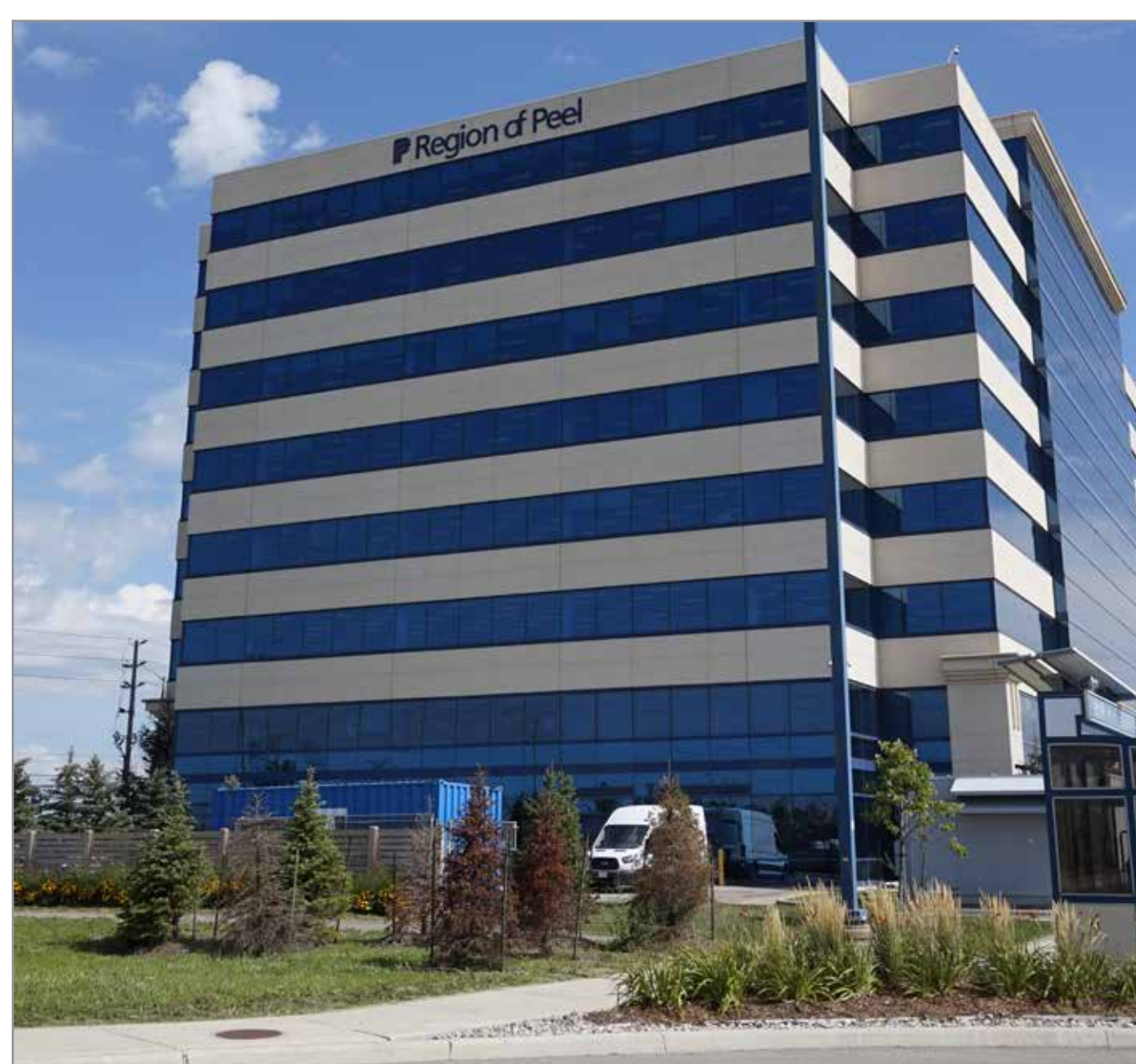
* Note: refers to intensification target for designated greenfield areas

** Note: refers to intensification target for urban growth centres

Planning for Employment

We are planning for more than 250,000 new jobs by 2041, so Peel residents can work close to where they live.

The Region is planning for new office, service and retail, and industrial and warehouse employment.



Draft Employment Forecasts

Municipality	2016	2031	2041
Brampton	203,000	285,000	325,000
Caledon	28,000	51,000	80,000
Mississauga	474,000	534,000	565,000
Peel	705,000	870,000	970,000

Growth Management ROPA policy direction:

- Distribute employment growth to enable local municipalities to achieve their visions for growth and build complete communities
- Update forecasts according to the Growth Plan, 2017

Integrated Employment Strategy

We have a strategy to achieve employment growth that recognizes the connection between jobs, land use and transportation in Peel.

Recommendations to support employment growth:

- Support office employment opportunities and embrace new technologies (e.g. broadband infrastructure)
- Continue the shift to multi-modal transportation (walking, cycling, transit)
- Collaborate to increase rural employment
- Create desirable employment environments (walkability, amenities)
- Complete the rapid transit network (from light rail transit and bus rapid transit routes, to Regional Express Rail and goods movement)



Growth Management ROPA policy direction:

- Identify employment areas – clusters of business/economic activities – see Schedule D5
- Identify Future Strategic Employment Areas – lands close to future goods movement transportation and other infrastructure

Land Budget

Growth management in Peel is supported by intensification targets – a determination of how much land will be needed to accommodate our future growth.

Designated Greenfield Area Densities
(people & jobs per hectare)

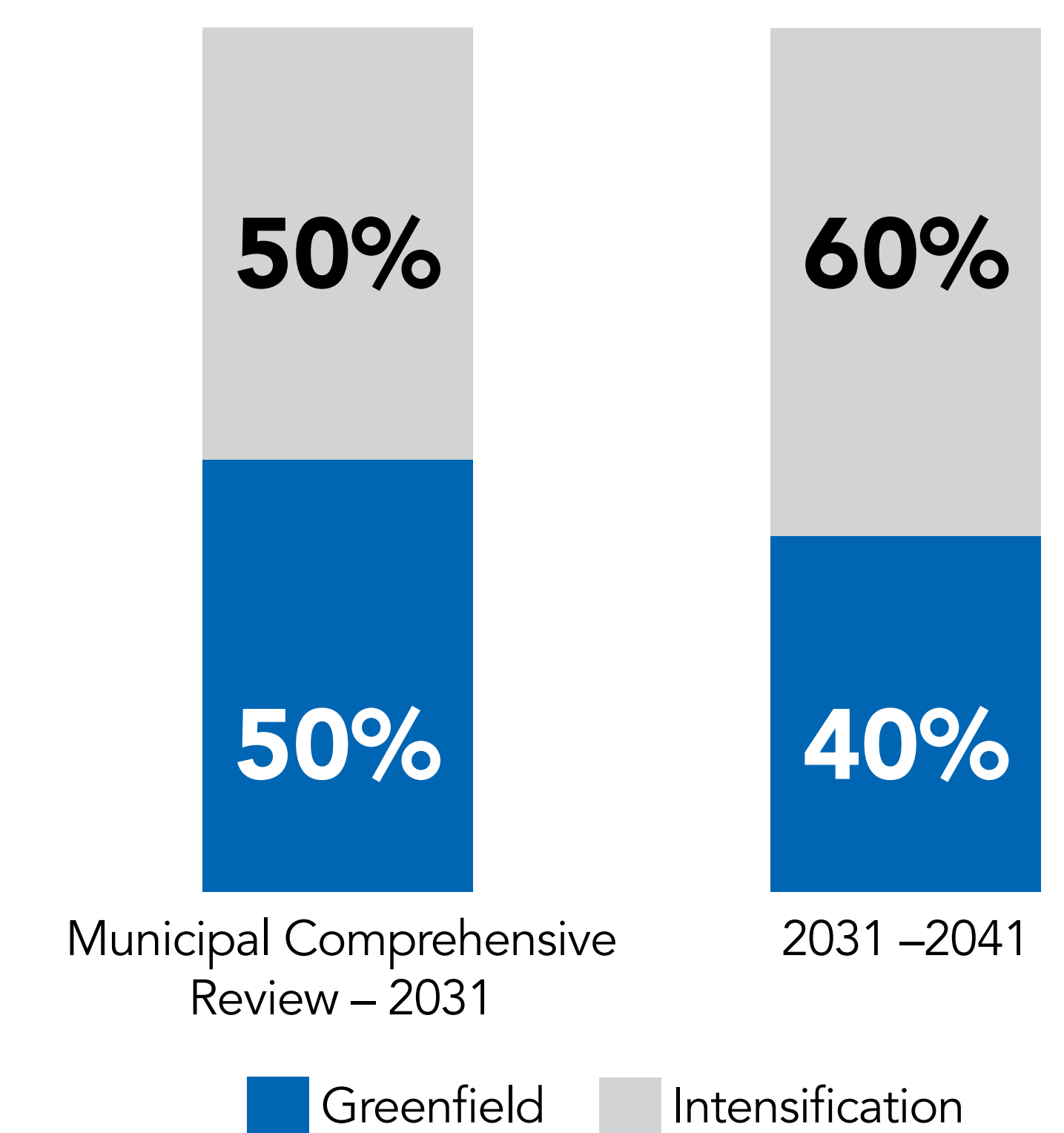


Existing Designated Greenfield Area
(approved as of July 1, 2017)



New Designated Greenfield Area
(approved after July 1, 2017)

Residential Intensification Rates
(% of new units within built boundary)



Designated Greenfield Area: Lands designated for future urban development

2016-2041 Peel Population and Employment Growth By Municipality and Policy Area*						
	Population			Employment		
	2016	2041	2016–2041 Growth	2016	2041	2016–2041 Growth
Built-up Area	1,275,000	1,519,000	244,000	679,000	822,000	143,000
Urban Growth Centre **	81,000	158,000	77,000	49,000	85,000	36,000
Designated Greenfield Area	131,000	424,000	293,000	22,000	142,000	120,000
Rural Area	22,000	27,000	5,000	4,000	7,000	2,000
Total	1,428,000	1,970,000	542,000	705,000	970,000	265,000

* numbers may not add up due to rounding

** Urban Growth Centre is part of Built-up Area

Strategic Growth Areas

The Region is planning for growth and development in key areas – near transit, in urban centres and along major corridors.



The downtowns of Mississauga (top) and Brampton (bottom) are Urban Growth Centres. These are optimal areas for intensification and investment in commercial, cultural, employment, residential and transit uses.



Growth Management ROPA policy direction:

- Identify key areas of focus for intensification – see Schedule D6 for all Strategic Growth Areas

Planning for Connectivity

We are planning for complete communities around stations on our rail lines, light rail transit routes, and bus rapid transit routes.

People will be able to work, live and play in these communities, **with access to fast and frequent travel options.**



Conceptual development of Major Transit Station Area (MTSA), before (top) and after (bottom).



Growth Management ROPA policy direction:

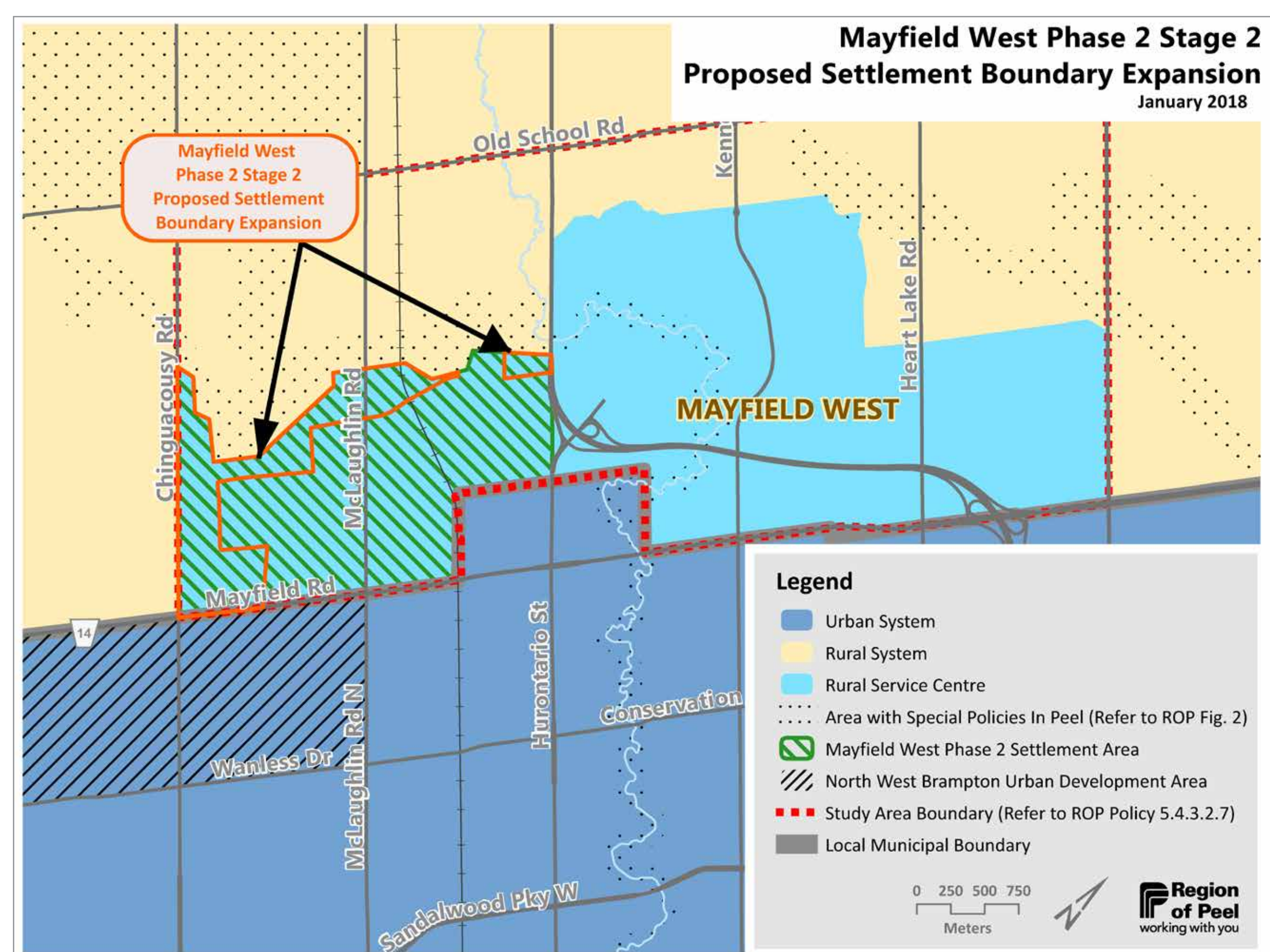
- Identification of Major Transit Station Areas (MTSAs)
– see Schedule D for locations

Settlement Boundary Expansion

To accommodate growth in Peel, we will **strategically expand the boundary of where we develop.**

The land budget identified the need to accommodate about 10% of Peel's future growth through settlement boundary expansions. This will largely be addressed through future settlement expansion processes.

The Mayfield West Phase 2 Stage 2 Settlement Boundary Expansion is an initial expansion planned to accommodate approximately 8500 residents and jobs combined.



The proposed expansion is supported by agricultural, fiscal, transportation, cultural heritage, servicing, archaeological, and environmental impact studies.

Growth Management ROPA policy direction:

- Proposed expansion of the Mayfield West Rural Service Centre Boundary to accommodate growth in Caledon
- Contribute to growth targets including greenfield density target of 80 residents and jobs combined per hectare

Draft Growth Management ROPA: Desired Outcomes

- Setting the framework and foundation to plan for Peel's growing population and employment to 2041
- Planning for mobility, walkability and various modes of transportation
- Building upon our employment strategy to increase the number of jobs in Peel
- Creating healthy, complete communities where residents can live, work, play and age in place



Complete Communities

The Region is supporting local visions for growth as we plan for complete communities.

A complete community includes:

- Opportunities to interact, learn, work, play and live throughout a lifetime
- Options for housing, employment, retail, services and recreation
- Convenient access to public transportation and options for safe, non-motorized travel

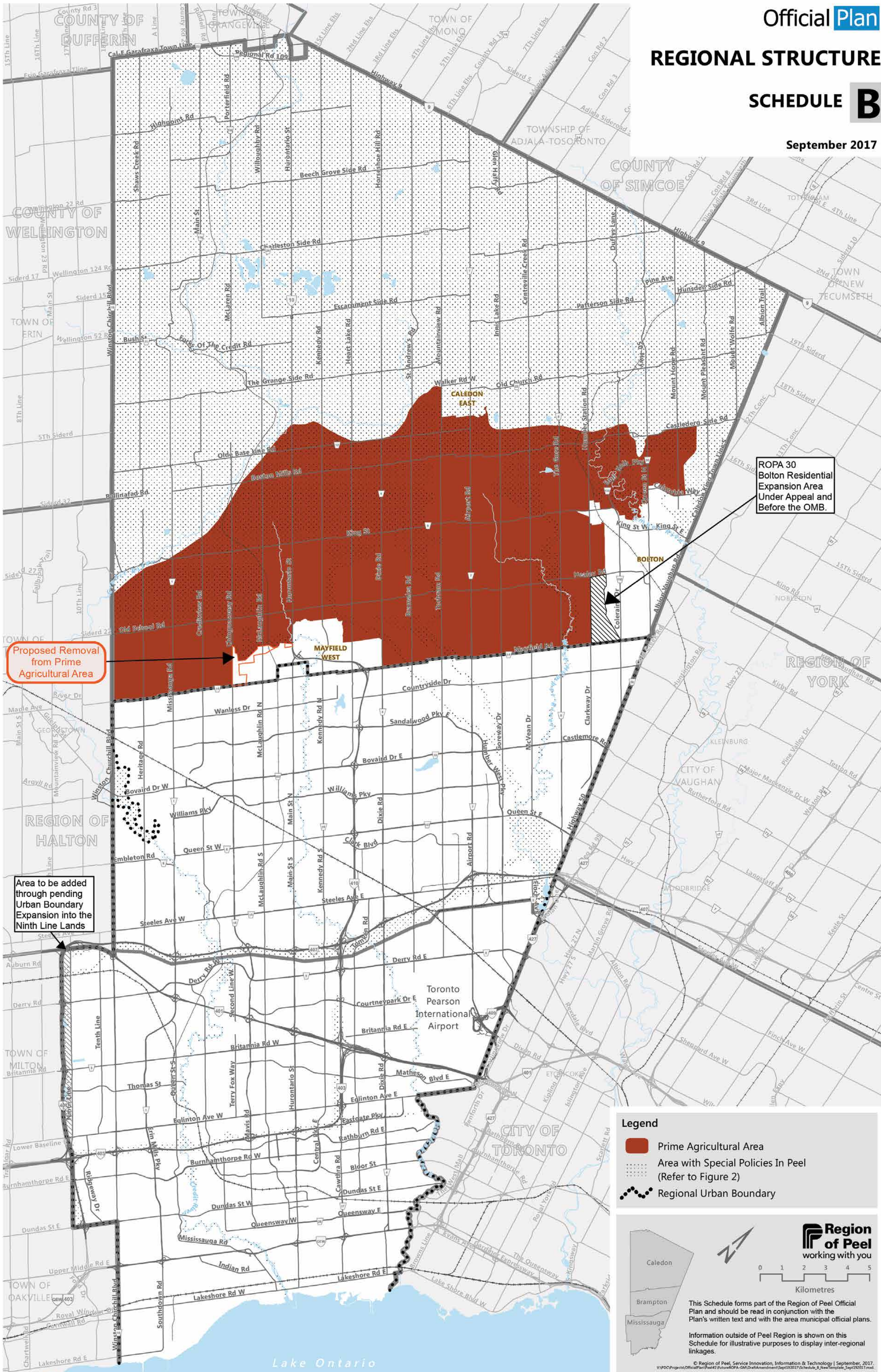
A complete community meets most residents' basic needs on a daily basis.



Schedule B

Official Plan
REGIONAL STRUCTURE
SCHEDULE B

September 2017



Proposed Removal from Prime Agricultural Area

Area to be added through pending Urban Boundary Expansion into the Ninth Line Lands

ROPA 30 Bolton Residential Expansion Area Under Appeal and Before the OMB.

Legend

- Prime Agricultural Area
- Area with Special Policies In Peel (Refer to Figure 2)
- Regional Urban Boundary

Region of Peel
 working with you

This Schedule forms part of the Region of Peel Official Plan and should be read in conjunction with the Plan's written text and with the area municipal official plans.

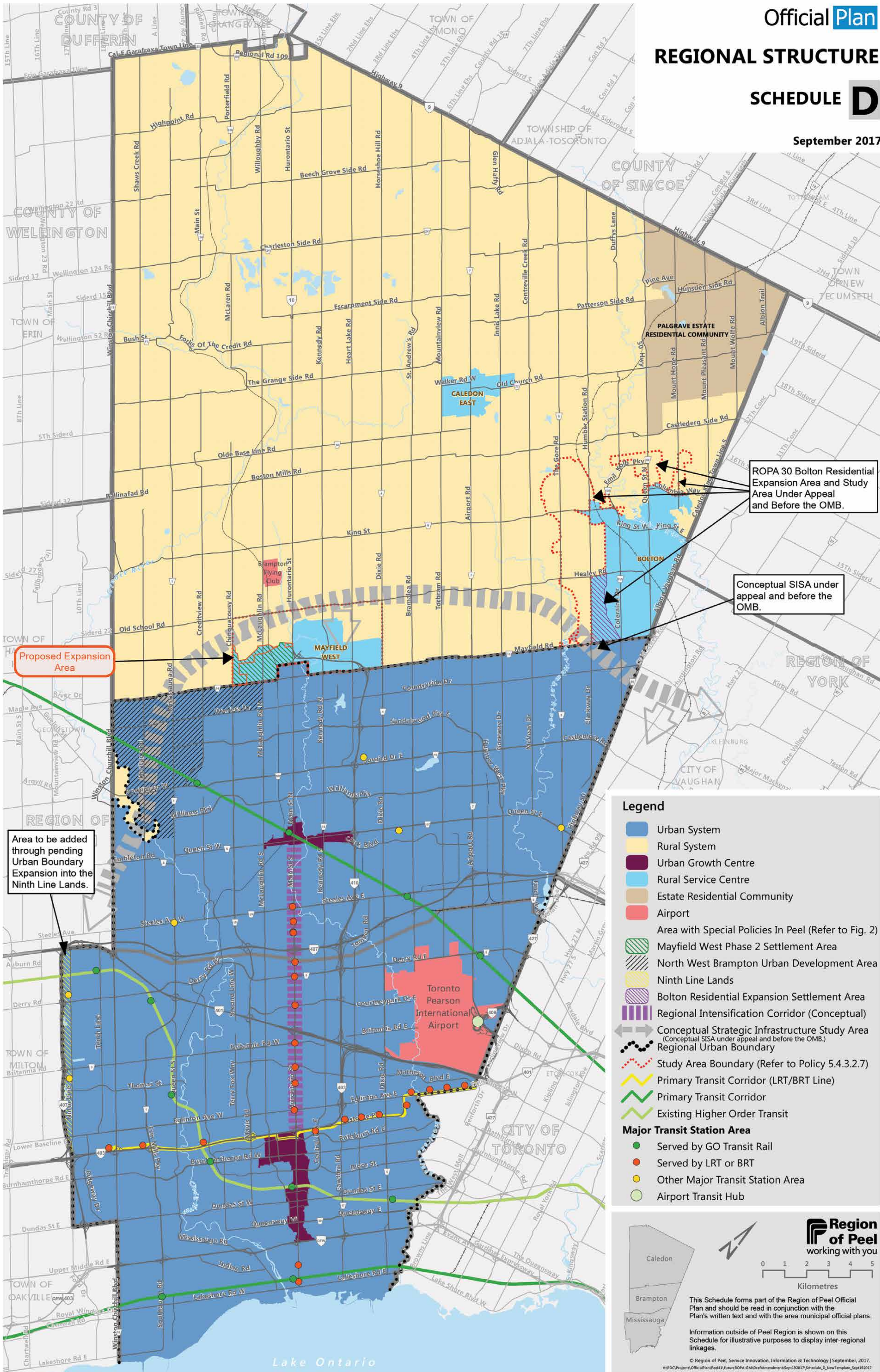
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Schedule D

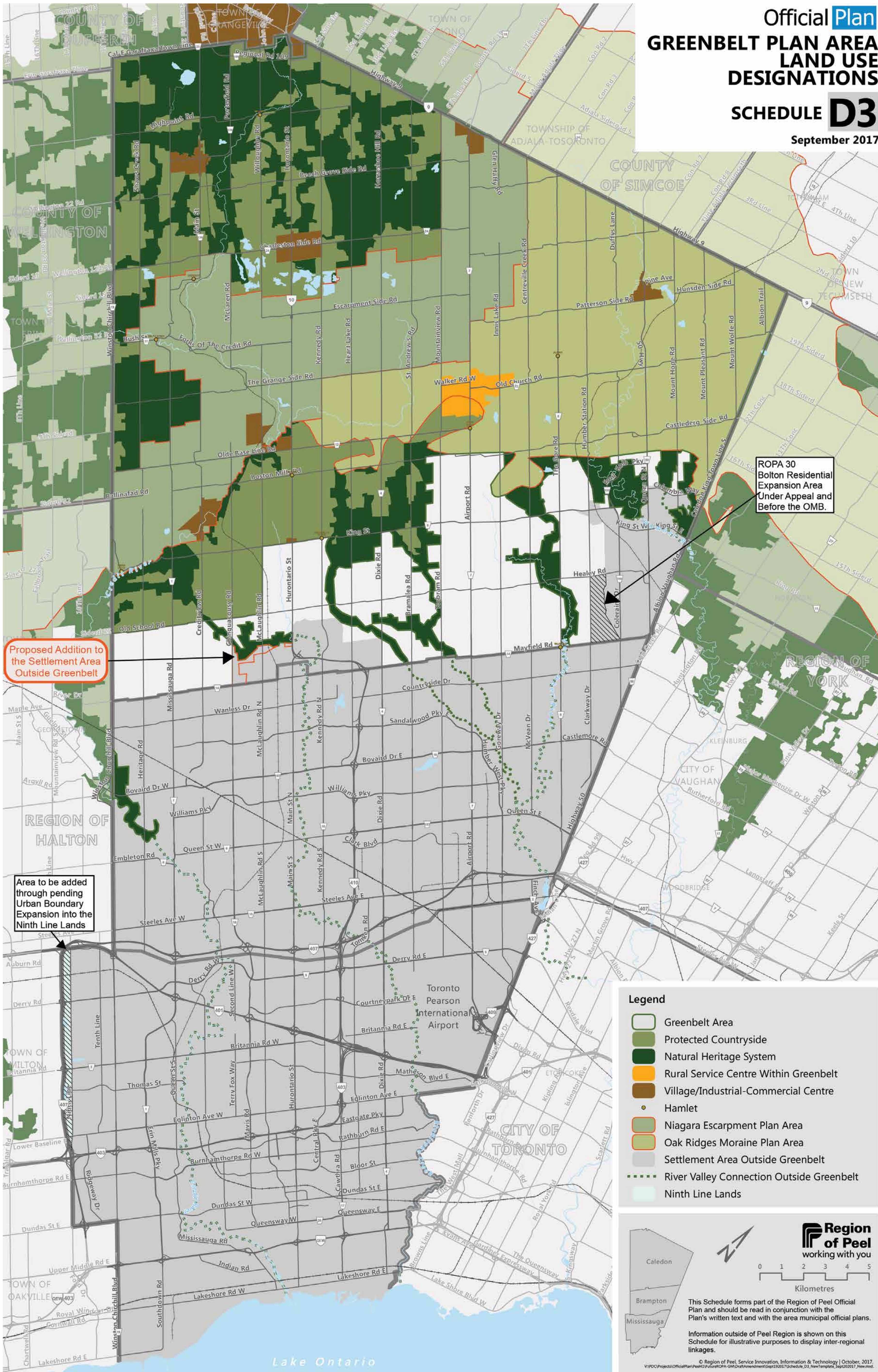
Official **Plan**
REGIONAL STRUCTURE
SCHEDULE D

September 2017



Schedule D3

Official Plan
**GREENBELT PLAN AREA
 LAND USE
 DESIGNATIONS**
SCHEDULE D3
 September 2017



Legend

- Greenbelt Area
- Protected Countryside
- Natural Heritage System
- Rural Service Centre Within Greenbelt
- Village/Industrial-Commercial Centre
- Hamlet
- Niagara Escarpment Plan Area
- Oak Ridges Moraine Plan Area
- Settlement Area Outside Greenbelt
- River Valley Connection Outside Greenbelt
- Ninth Line Lands

Region of Peel
 working with you

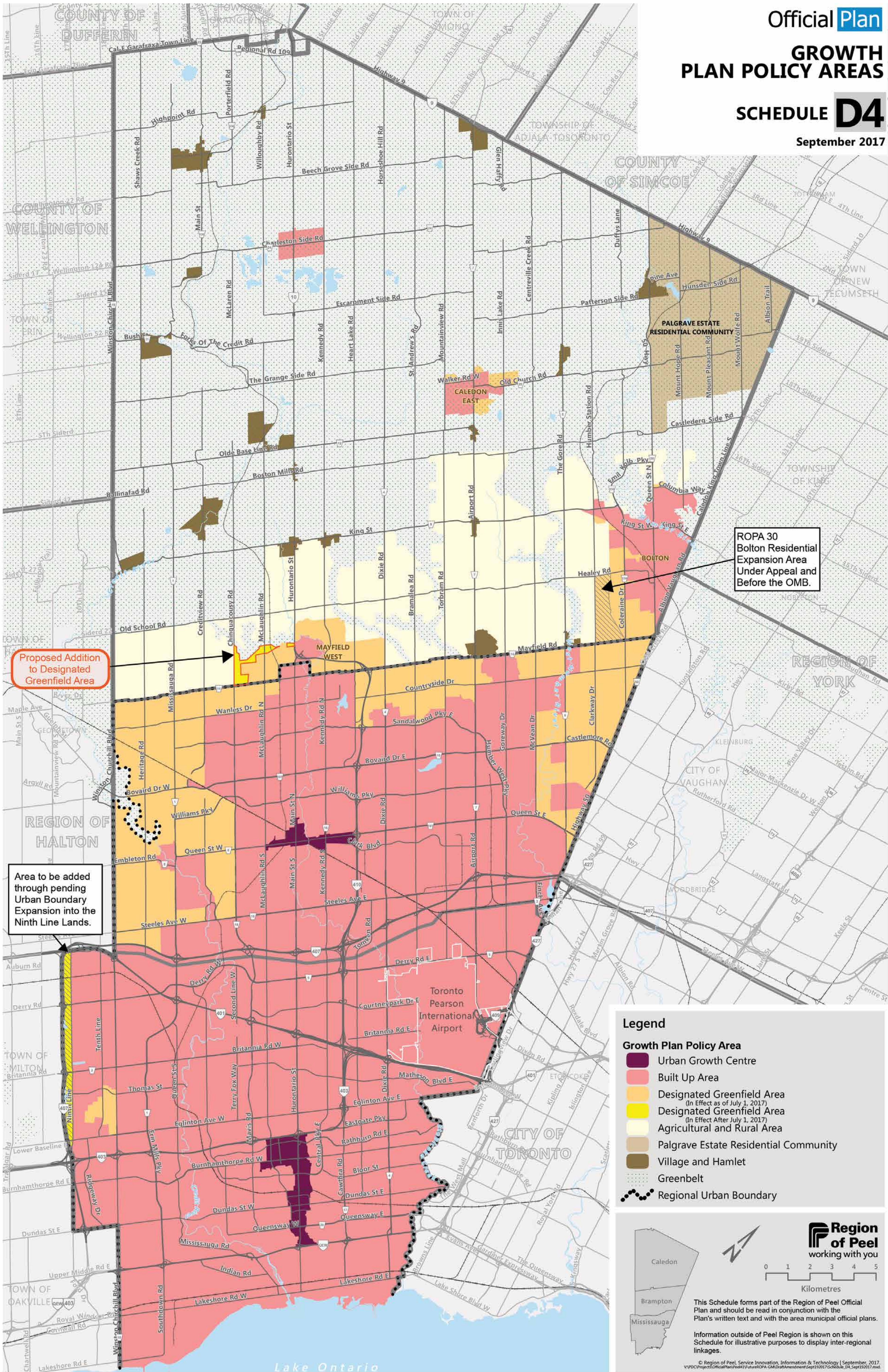
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Schedule D4

Official **Plan**
GROWTH
PLAN POLICY AREAS
SCHEDULE D4
 September 2017



Proposed Addition to Designated Greenfield Area

Area to be added through pending Urban Boundary Expansion into the Ninth Line Lands.

ROPA 30 Bolton Residential Expansion Area Under Appeal and Before the OMB.

Legend

- Growth Plan Policy Area**
 - Urban Growth Centre
 - Built Up Area
 - Designated Greenfield Area (In Effect as of July 1, 2017)
 - Designated Greenfield Area (In Effect After July 1, 2017)
 - Agricultural and Rural Area
 - Palgrave Estate Residential Community
 - Village and Hamlet
 - Greenbelt
 - Regional Urban Boundary

Region of Peel
working with you

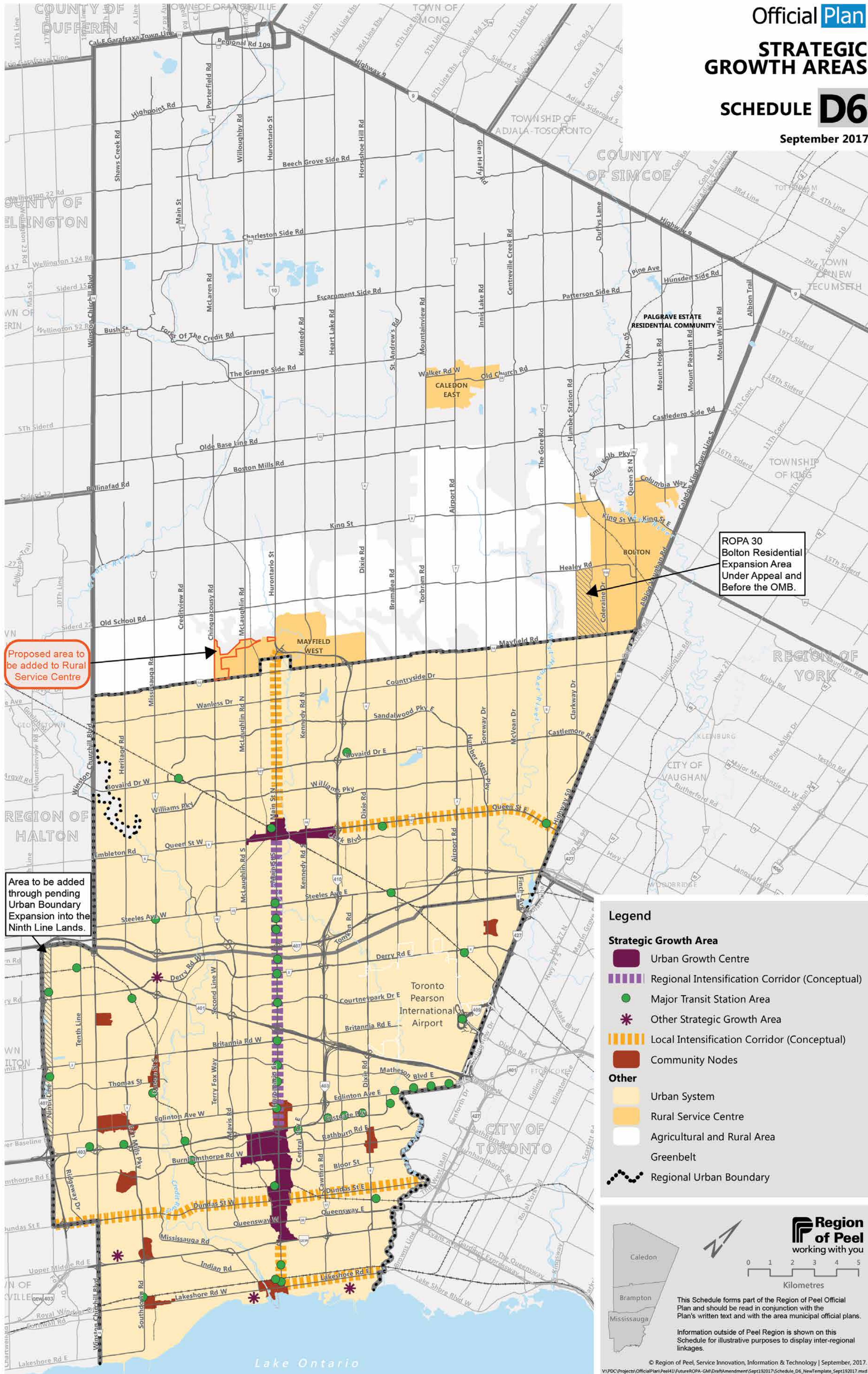
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Schedule D6

Official Plan
**STRATEGIC
 GROWTH AREAS**
SCHEDULE D6
 September 2017



Proposed area to be added to Rural Service Centre

Area to be added through pending Urban Boundary Expansion into the Ninth Line Lands.

ROPA 30 Bolton Residential Expansion Area Under Appeal and Before the OMB.

Legend

Strategic Growth Area

- Urban Growth Centre
- Regional Intensification Corridor (Conceptual)
- Major Transit Station Area
- Other Strategic Growth Area
- Local Intensification Corridor (Conceptual)
- Community Nodes

Other

- Urban System
- Rural Service Centre
- Agricultural and Rural Area
- Greenbelt
- Regional Urban Boundary

Region of Peel
 working with you

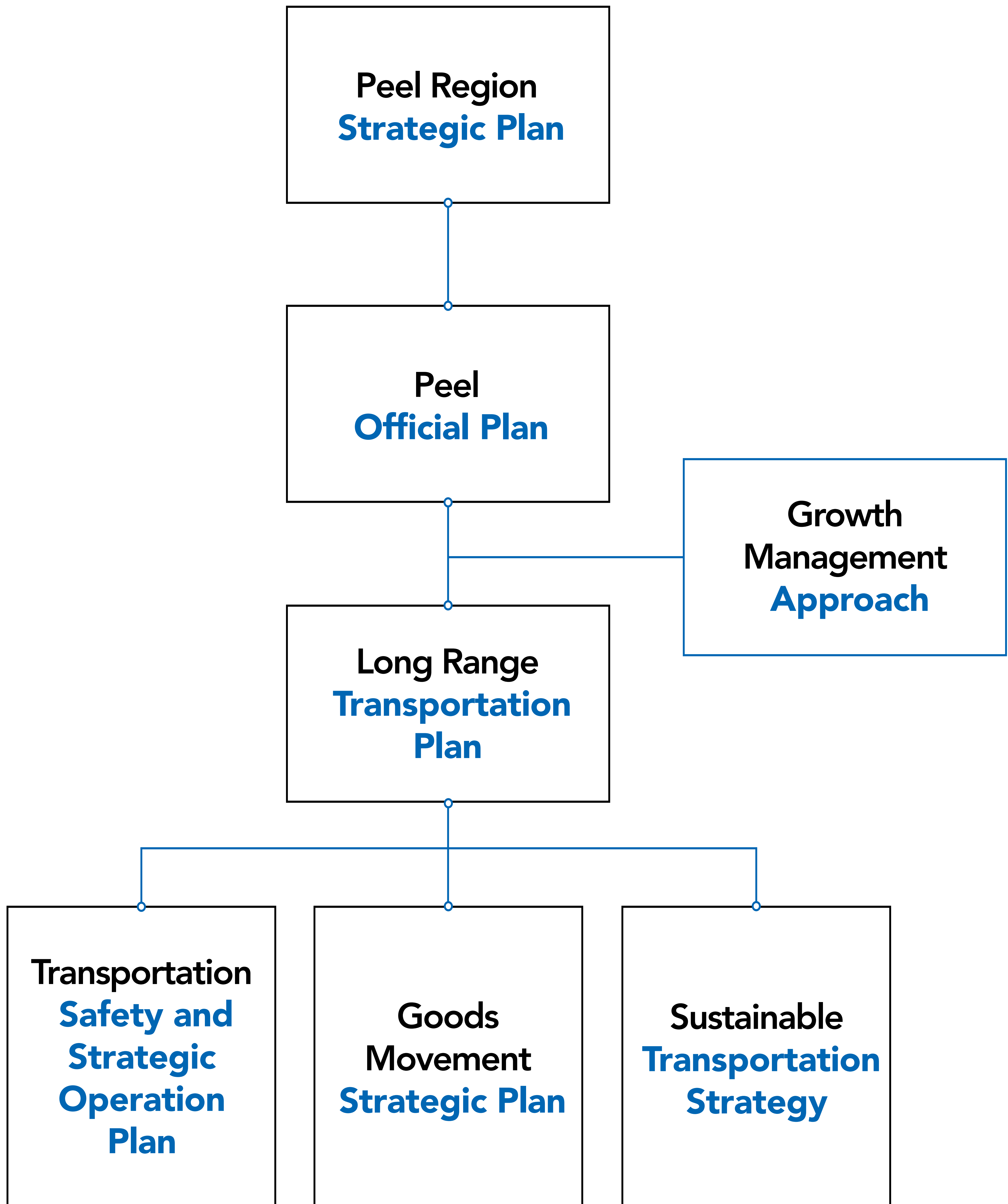
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 Kilometres

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Region of Peel's Long Range Transportation Plan



Draft Transportation Regional Official Plan Amendment

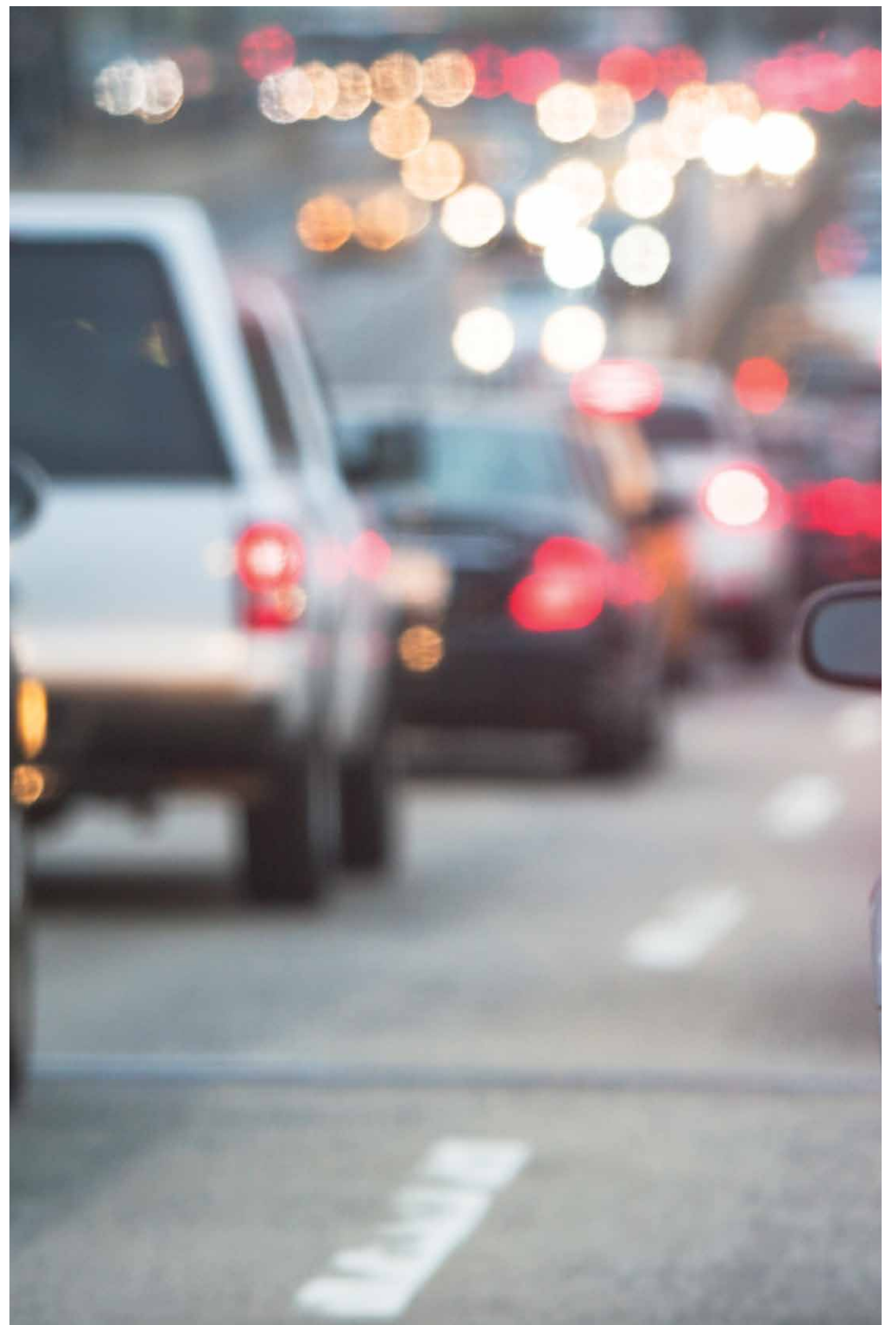
The Region of Peel is expected to grow by more than 500,000 more people and 250,000 jobs by 2041. We must accommodate the trips generated by the anticipated growth.

Purpose:

To revise and add transportation policies to the Regional Official Plan to conform to Provincial policy and implement regional Transportation initiatives

What is leading this change?

- Conformity to the Growth Plan, 2017, including new and revised population and employment forecasts, and density and intensification targets
- Regional Council direction to manage growth collaboratively
- Alignment with Strategic Plan and Term of Council Priorities
- Current and future trends in transportation as identified through the Long Range Transportation Plan
- Opportunity to reduce the cost-revenue gap associated with infrastructure development, enhancing financial sustainability



Minimize Health Impacts

Inactivity and obesity costs the Greater Toronto and Hamilton Area **\$4 billion per year.**



Transportation ROPA policy direction:

- Minimize transportation related environmental and health impacts and support transportation alternatives that optimize health and well-being through increased physical activity and improved air quality
- Monitor safety of all road users with specific attention to users of active modes of travel

Increase Efficiency of the Goods Movement Network

Peel Region's goods movement industries contribute \$49 billion worth of gross domestic product (GDP) to the regional, provincial and national economies annually.



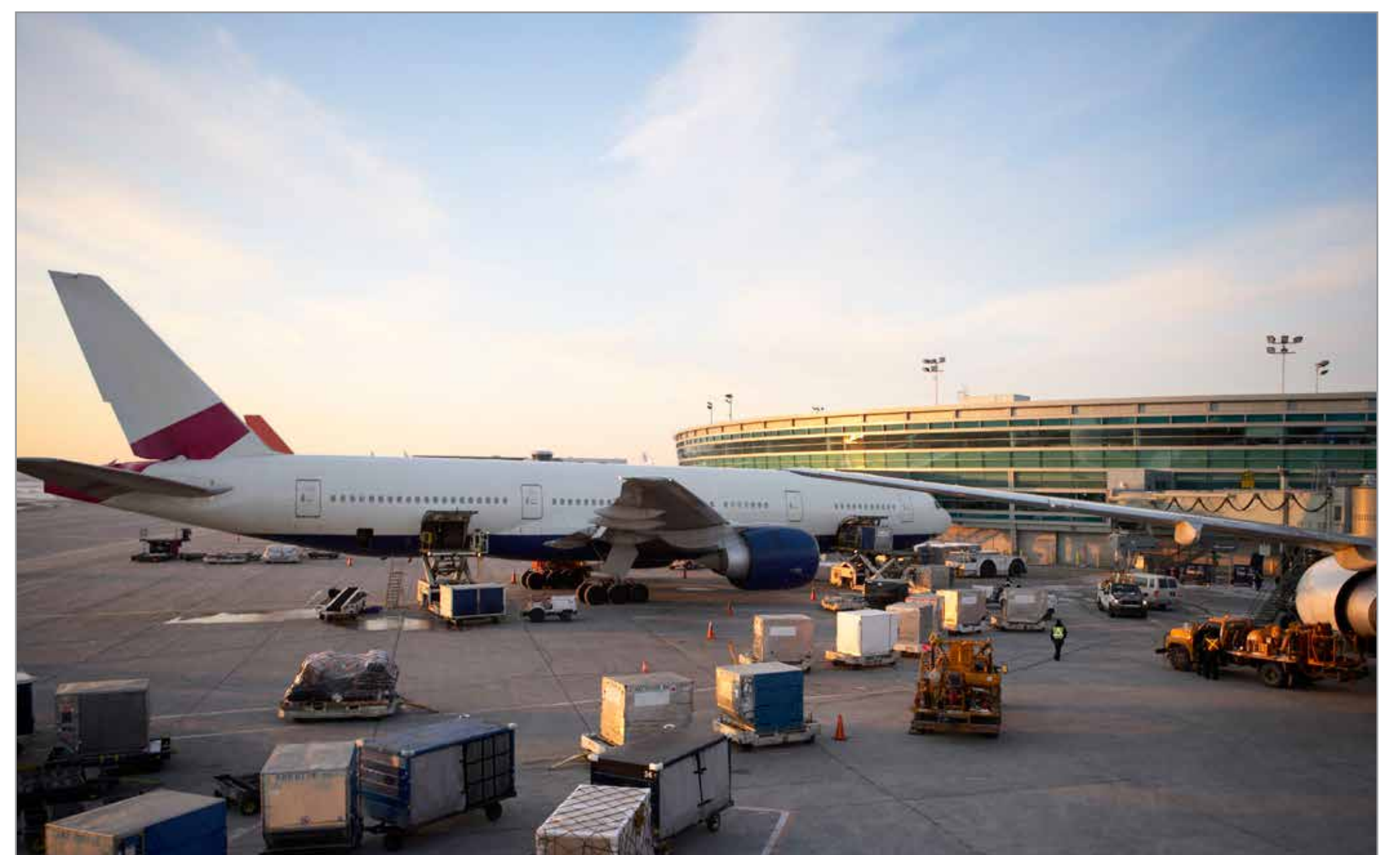
1.8 billion of goods move through Peel everyday



There are 2,000 trucking companies in Peel



4 out of 9 jobs in Peel are in goods movement-dependent industries



Approximately 2 of 5 businesses are involved in a goods movement sector

Peel Region has the highest share of goods movement establishments across all the municipalities



Toronto Pearson International Airport handles more air cargo than the Vancouver and Montreal airports combined

Transportation ROPA policy direction:

- Plan for, and protect, major goods movement facilities and corridors for the long term
- Improve border crossings for goods movement
- Implement timely intersection improvements to ensure the efficient movement of traffic along goods movement corridors
- Consider Goods Movement in the Environmental Assessment process
- Encourage Off-Peak Deliveries

Integration of Land Use and Transportation Planning

The Places to Grow Plan, 2017 requires municipalities to coordinate transportation planning, land use planning and transportation investment.

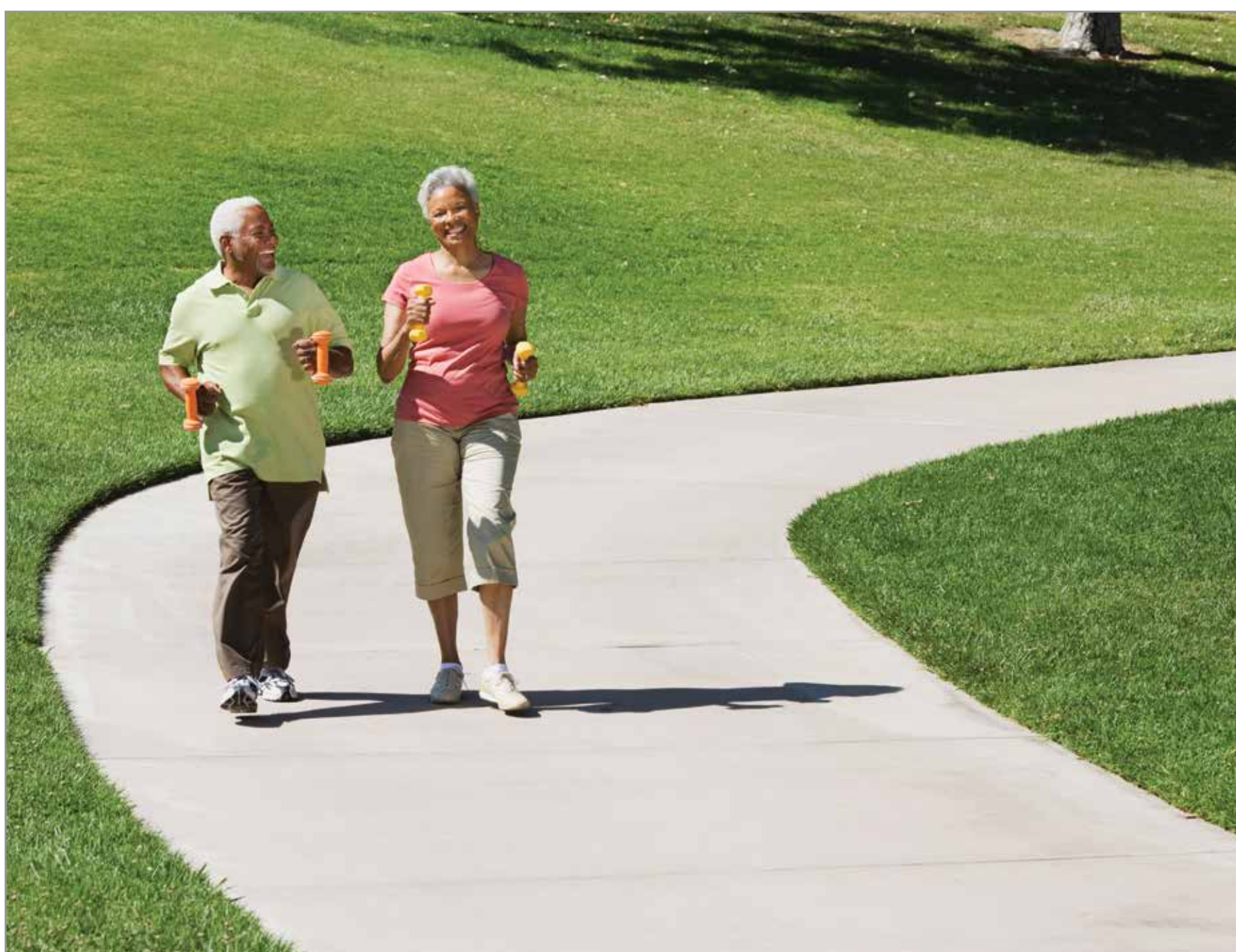


Transportation ROPA policy direction:

- Consider the surrounding community and land uses when determining road character
- Support goods movement activities in Peel and the GTHA in responding and adapting to changes in land use and transportation

Shift to Sustainable Modes

If we do not shift to sustainable travel modes, **by 2041, the number of cars using Peel's roads every weekday morning will increase by 40% or 300,000 additional single occupant vehicle trips.**



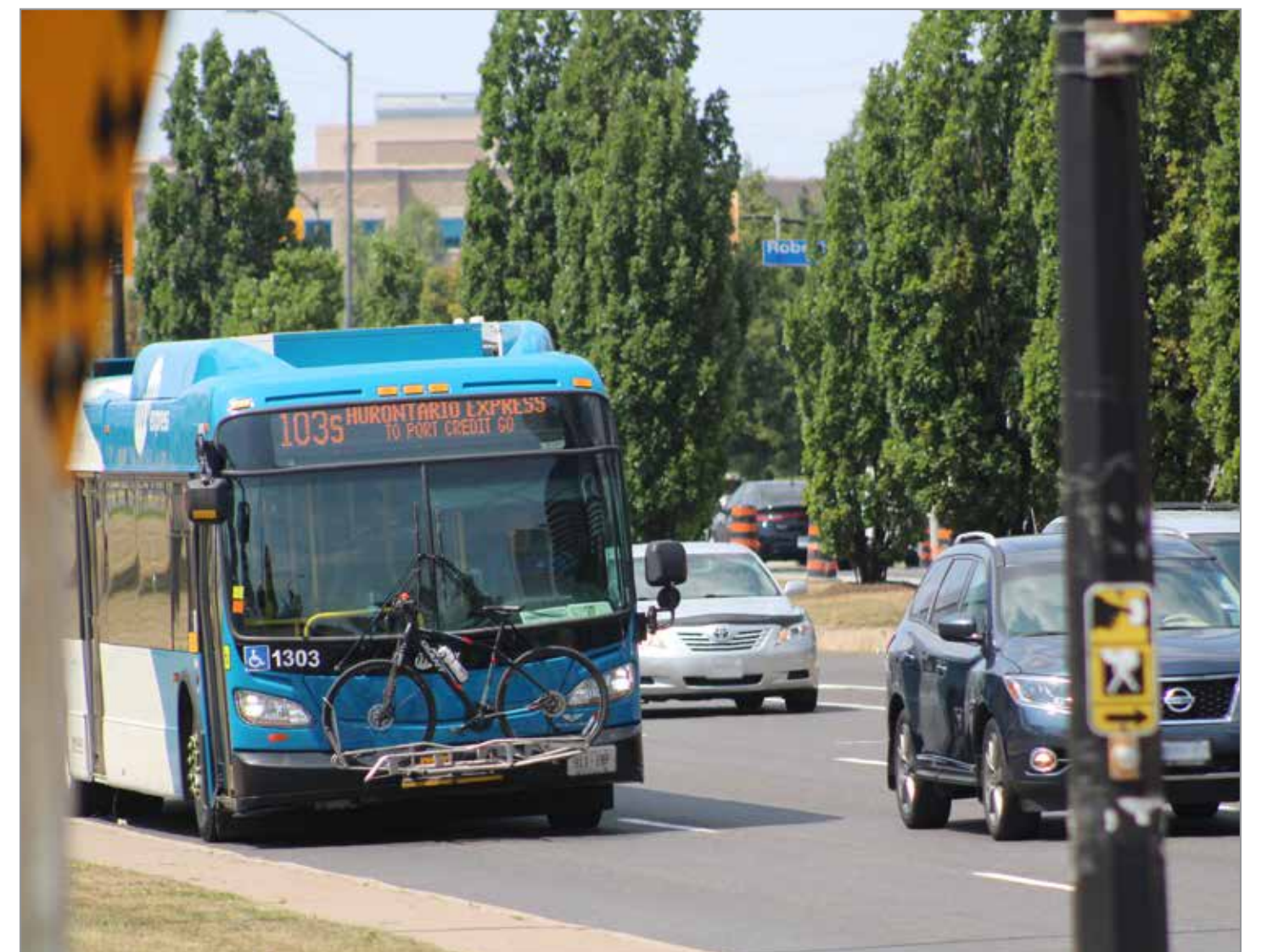
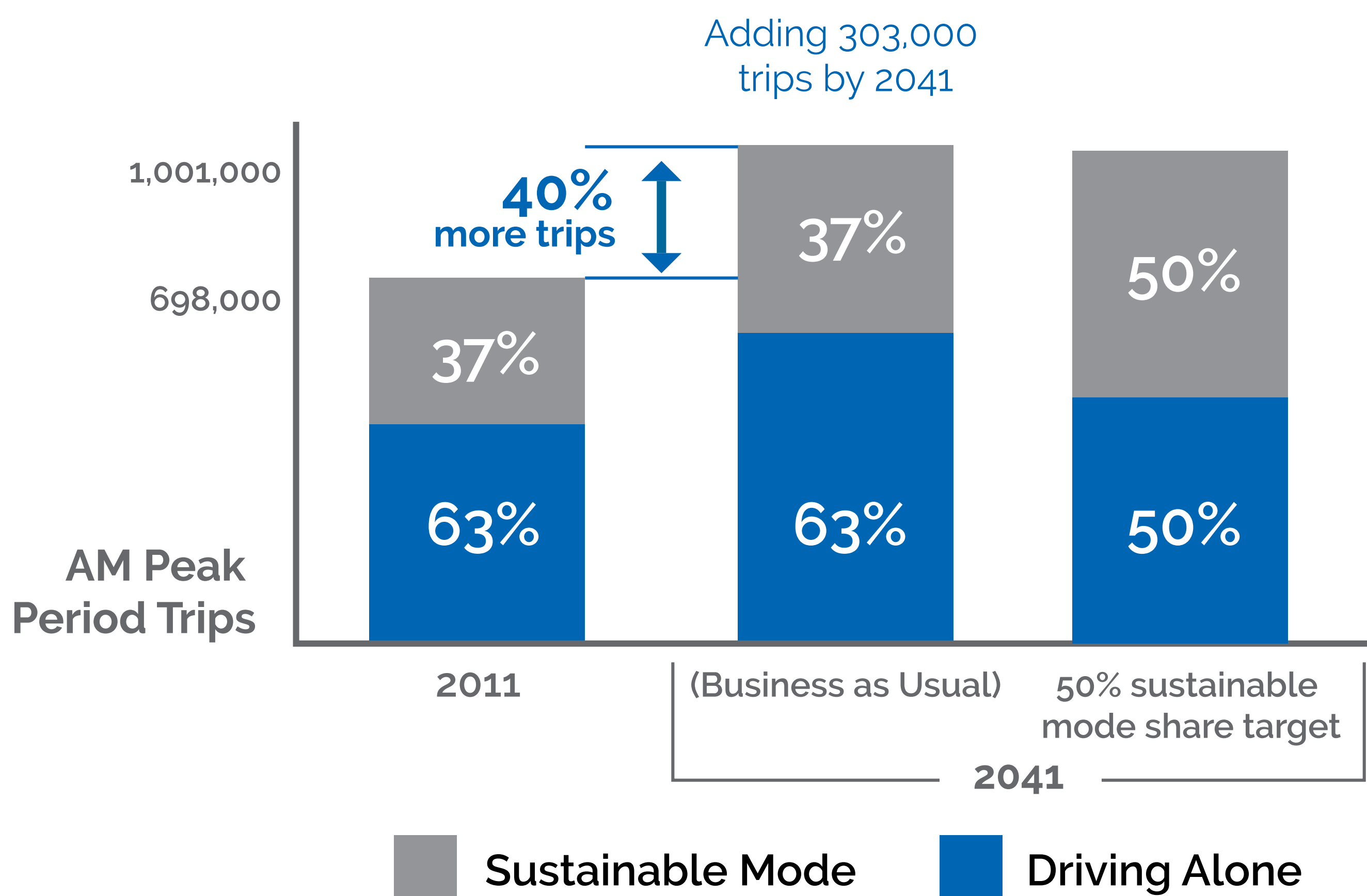
Transportation ROPA policy direction:

Transportation Demand Management (TDM)

- Develop tools to integrate TDM requirements into the planning and development approvals process and implement TDM strategies in existing and future mobility hubs and major transit station areas

Shift to Sustainable Modes

Our goal is to achieve a **50% sustainable mode share by 2041**.



Transportation ROPA policy direction:

Active Transportation

- Implement and update the Sustainable Transportation Strategy
- Promote cycling tourism and the integration of active transportation trips with transit trips
- Provide bicycle parking facilities at key locations and destinations
- Improve bicycle and pedestrian connectivity at and around highway interchanges and grade separations

Draft Transportation ROPA: Desired Outcomes



Establish policies to accommodate additional trips associated with the movement of people and goods to 2041 by:

- Planning for mobility, walkability, and various modes of transportation
- Improving health through transportation
- Building an efficient goods movement network
- Shifting to sustainable modes of travel
- **Creating healthy, complete communities where residents can live, work, play and age in place**

Figure 6

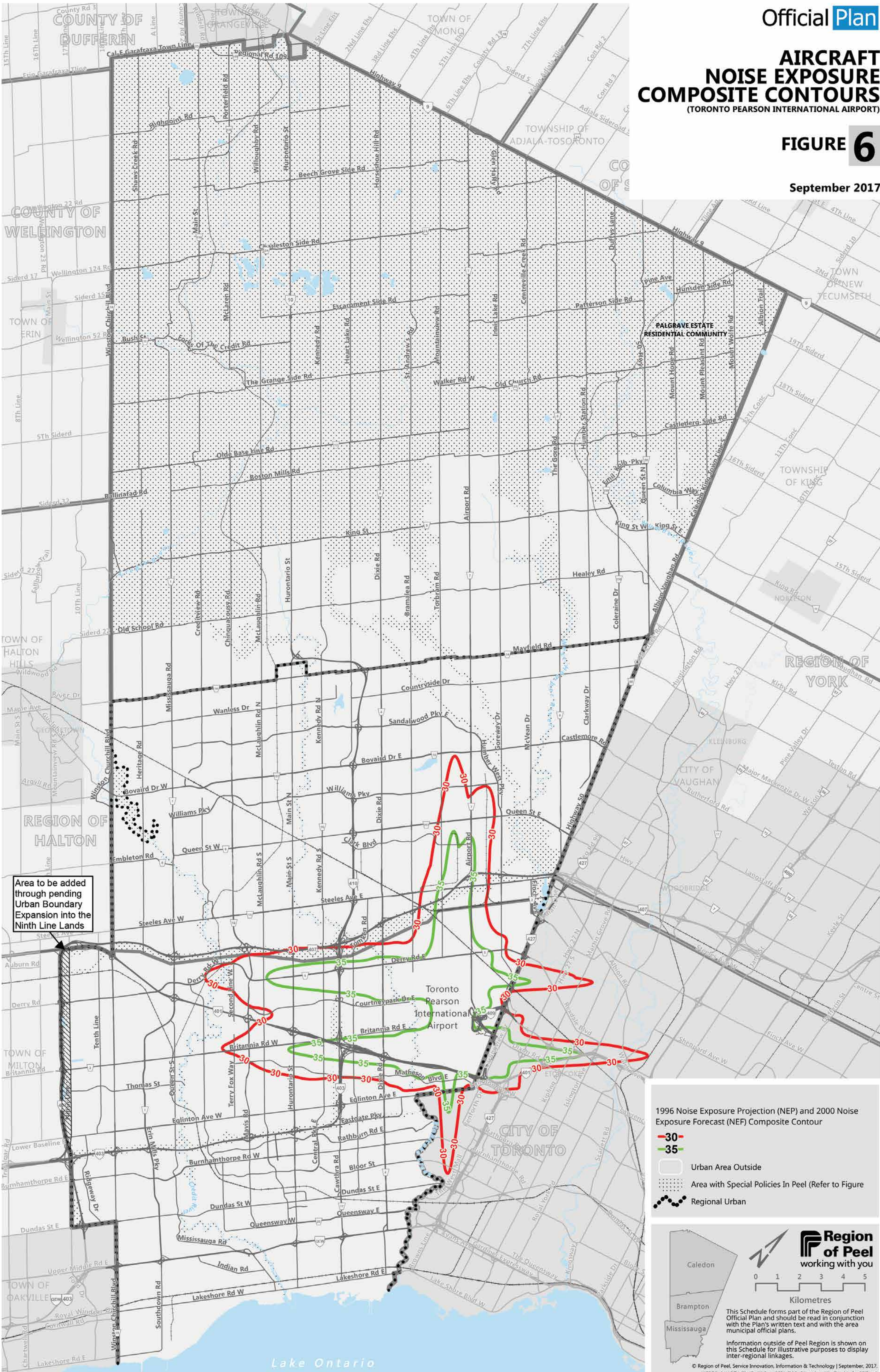
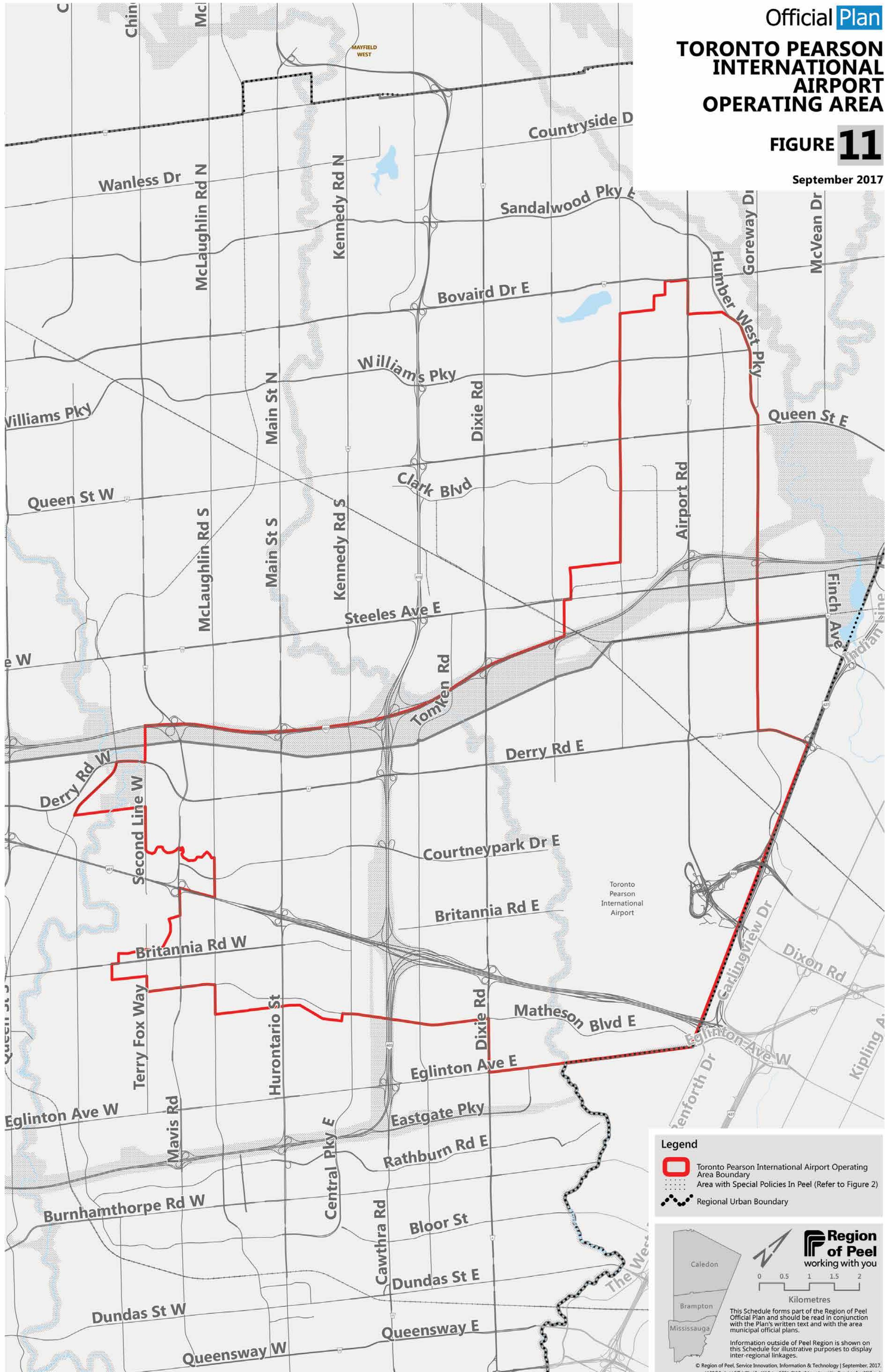


Figure 11

Official **Plan**
TORONTO PEARSON INTERNATIONAL AIRPORT OPERATING AREA

FIGURE 11

September 2017



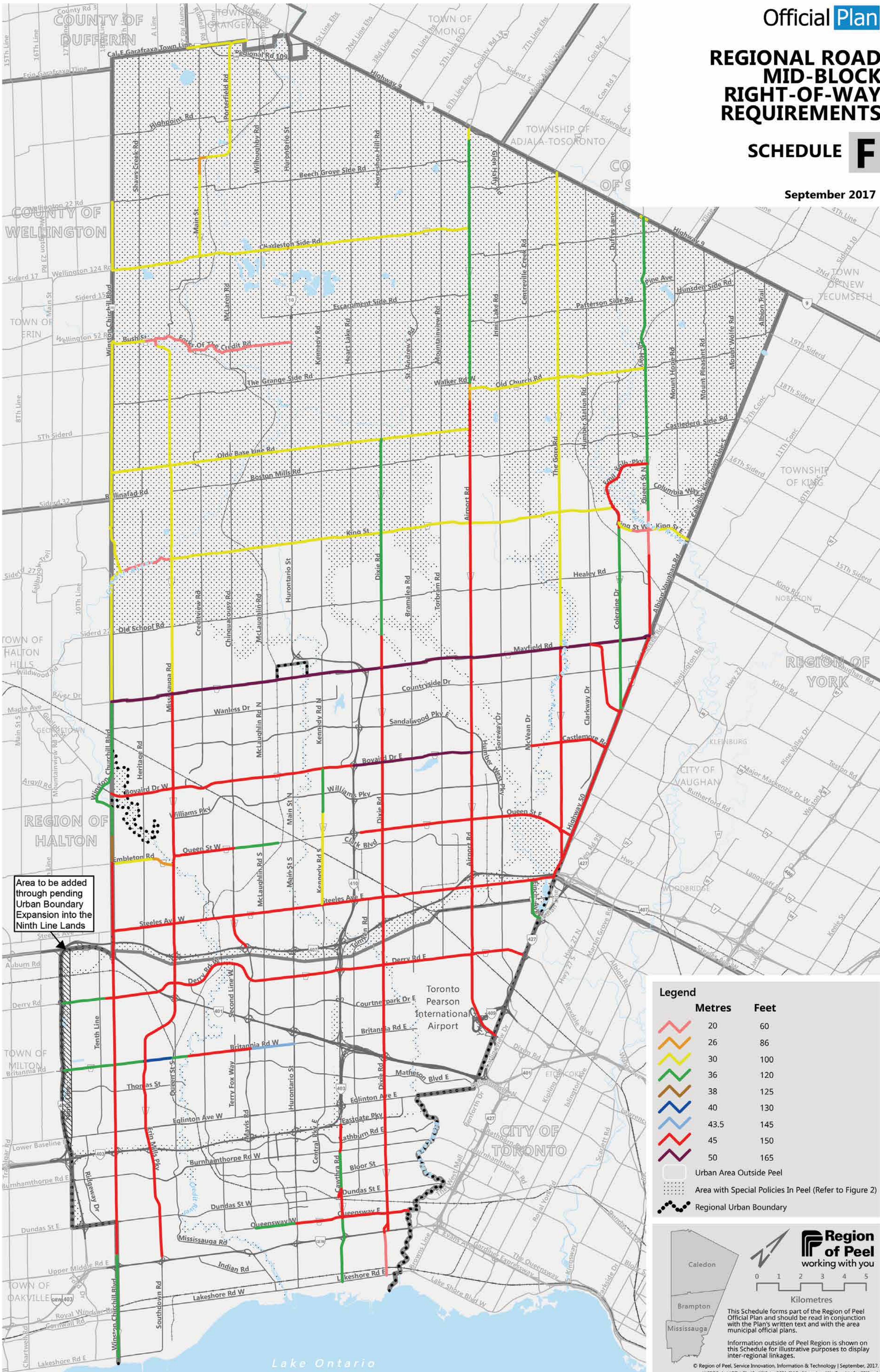
Schedule F

Official **Plan**

REGIONAL ROAD MID-BLOCK RIGHT-OF-WAY REQUIREMENTS

SCHEDULE **F**

September 2017



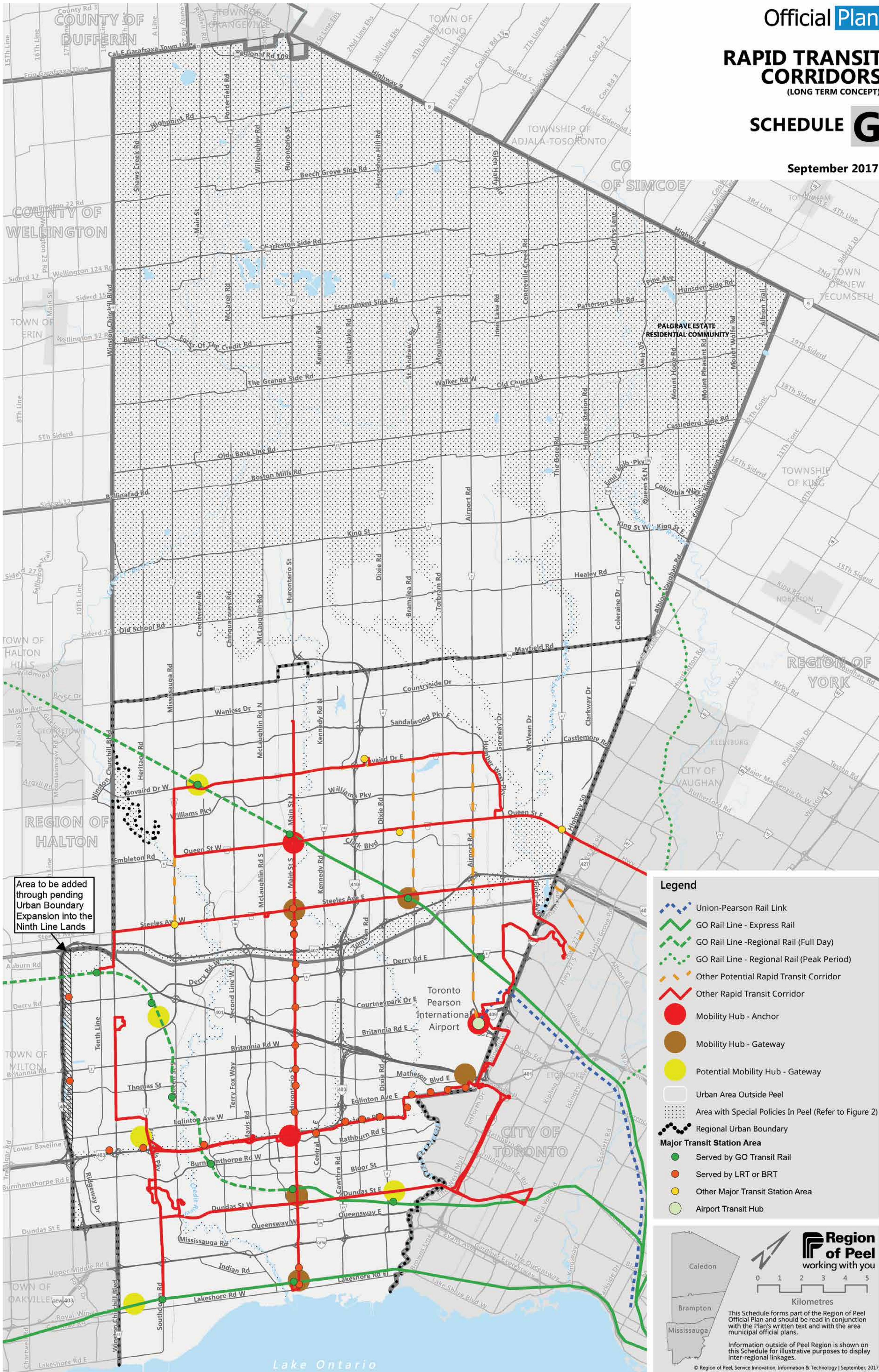
Schedule G

Official **Plan**

**RAPID TRANSIT
CORRIDORS**
(LONG TERM CONCEPT)

SCHEDULE G

September 2017



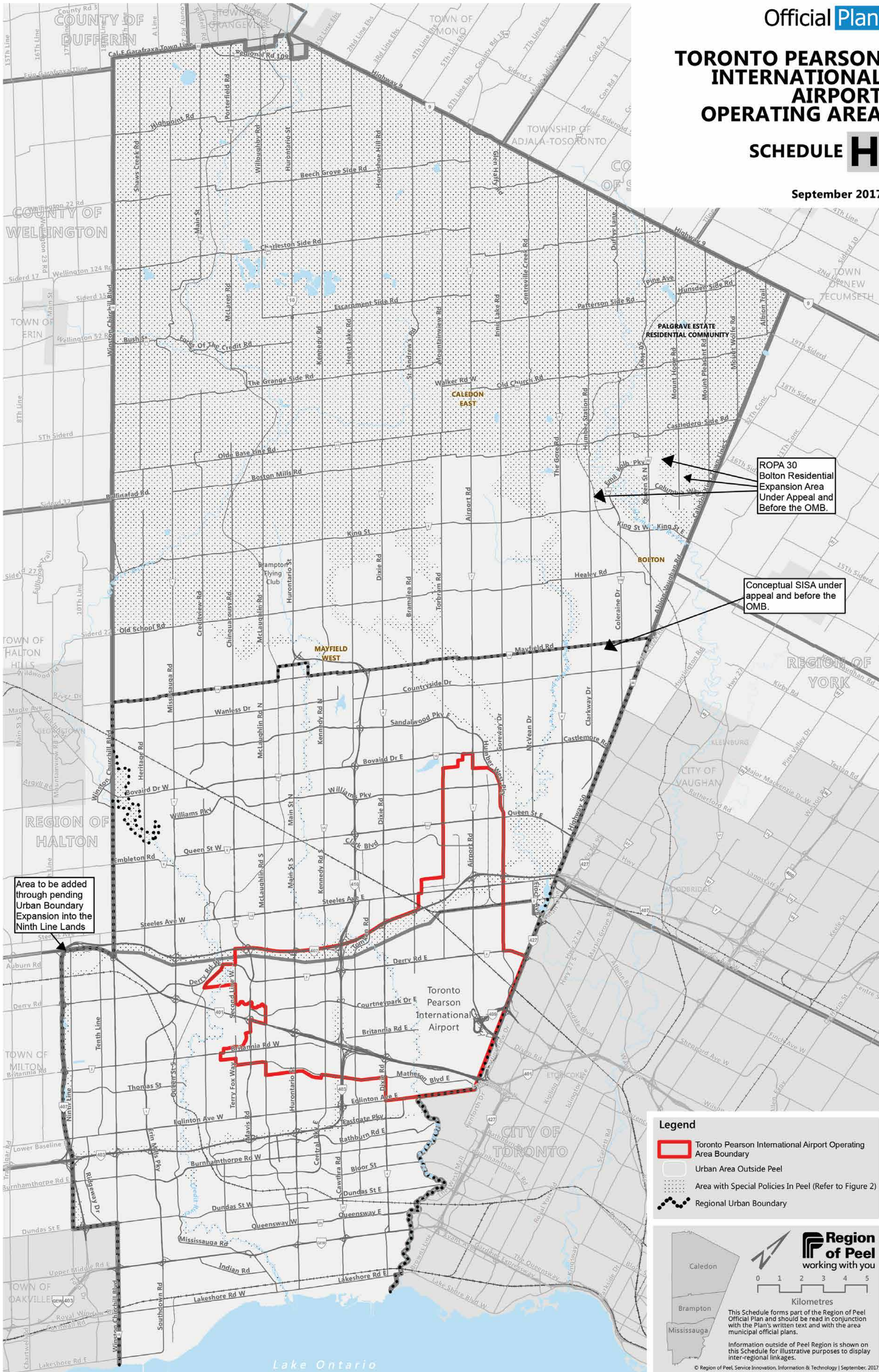
Schedule H

Official **Plan**

TORONTO PEARSON INTERNATIONAL AIRPORT OPERATING AREA

SCHEDULE H

September 2017



Welcome!

Region of Peel

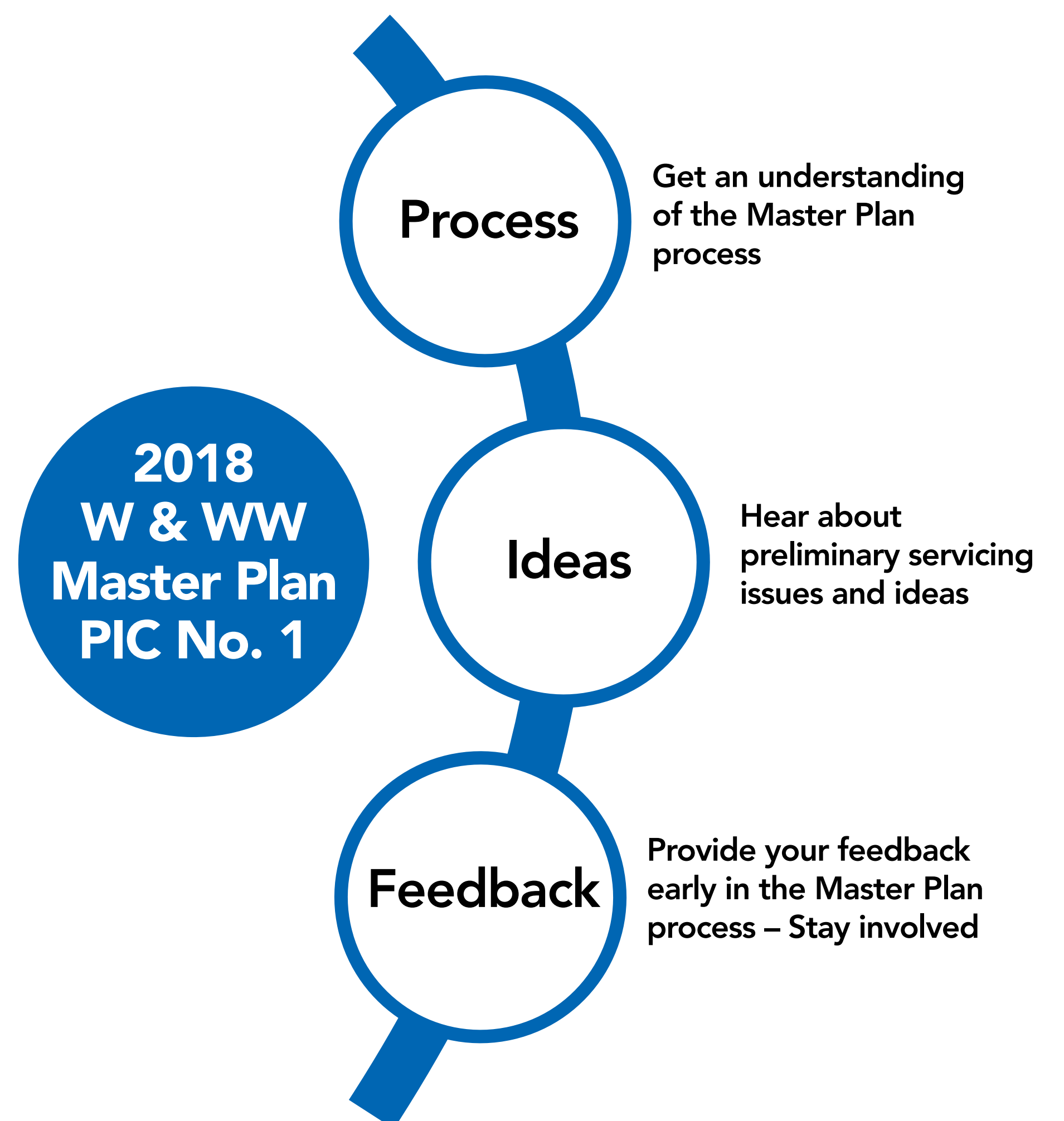
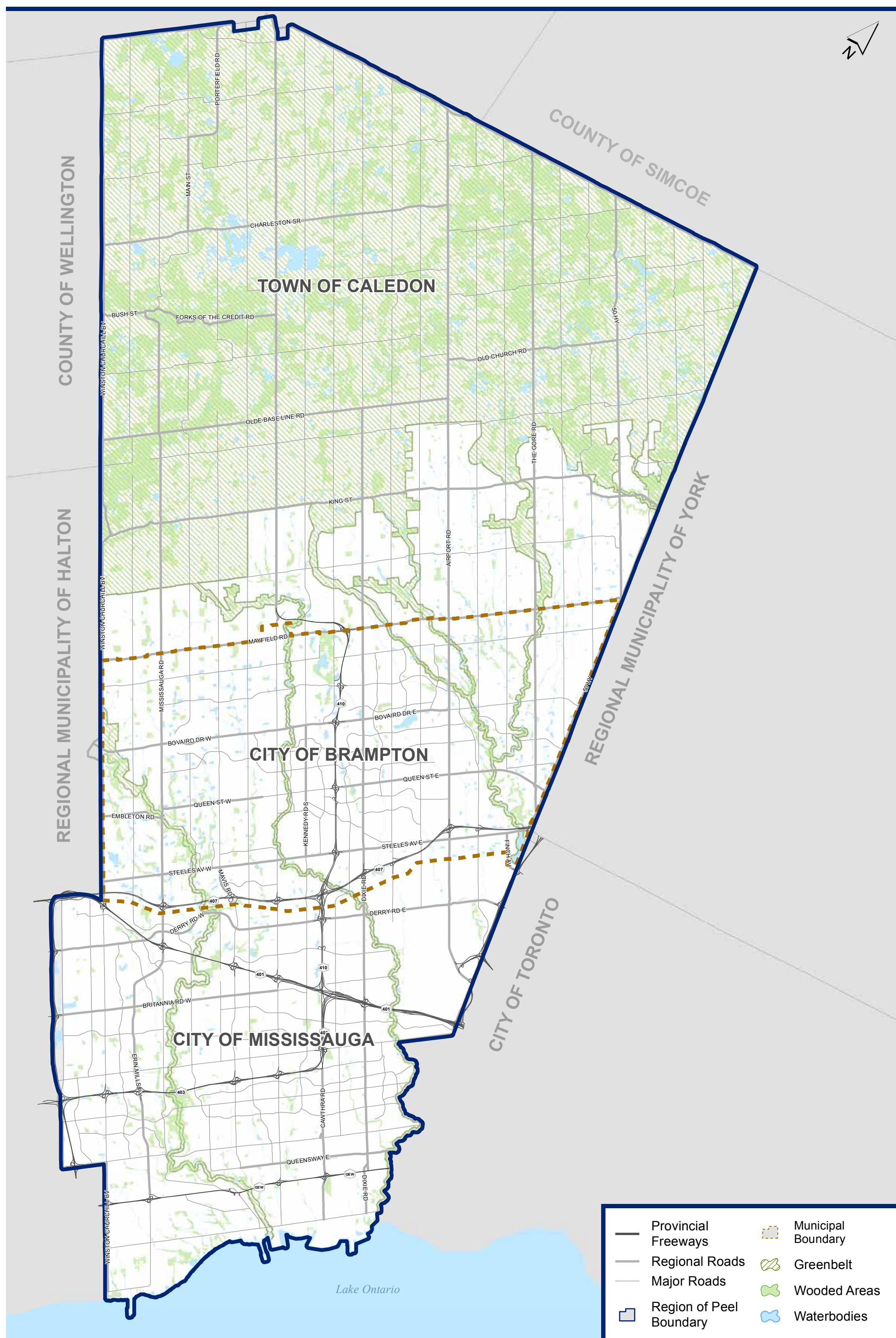
2018

Water & Wastewater Master Plan

Public Information Centre No. 1



Why are we here?



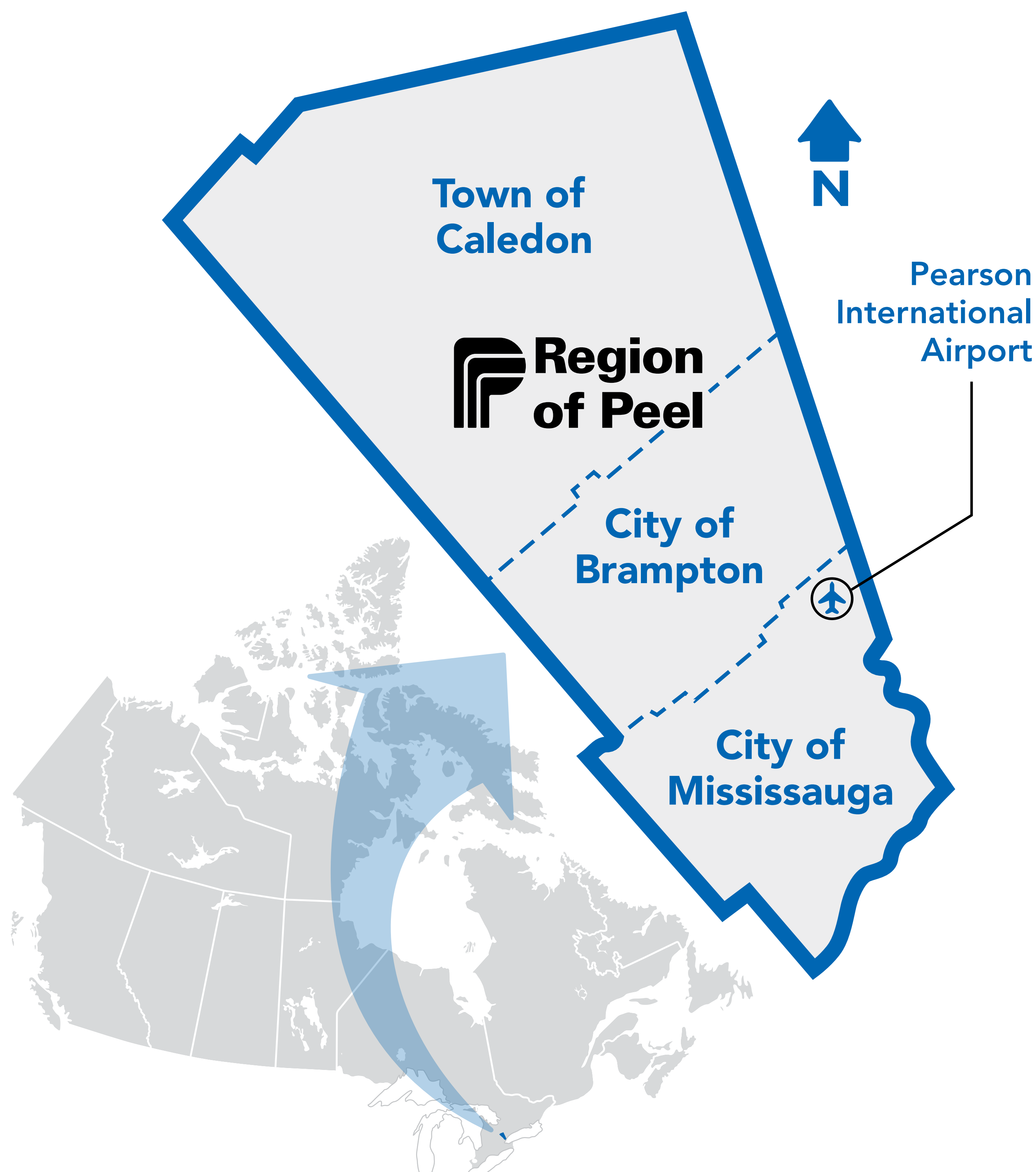
Purpose of the Study

The Region of Peel has initiated the 2018 Water and Wastewater Master Plan Study (MP) to:

- identify a preferred water and wastewater servicing strategy to support existing servicing needs and projected growth
- coordinate with the Regional Official Plan Amendment (ROPA), which guides Provincially mandated growth within the Region to 2041
- provide the business case for the need, timing and cost of servicing and infrastructure
- follow the Municipal Class Environmental Assessment process for Master Plans

Background

- The Region of Peel encompasses the municipalities of Mississauga, Brampton and Caledon.
- The Region's current population is approximately 1.4 million residents and 700,000 employees.
- The Region of Peel owns, operates and maintains the lake-based water and wastewater infrastructure network.
- The local municipalities own, operate and maintain their respective stormwater infrastructure.
- The Region of Peel is partially located within the Greenbelt
- The Region of Peel updates its long term water and wastewater servicing strategies every five years by completing a Water and Wastewater Master Plan.



Water and Wastewater Master Plan History

2018

- Places to Grow updated in 2017 to encompass growth to 2041
- Includes new land budget calculations and target densities
- This Master Plan will incorporate the latest planning information, modelling tools, historical flow/demand data and servicing studies to complete a full review and update of the servicing strategies
- Additional emphasis placed on intensification, post-2041 growth and alignment with the Regional Strategic Plan

2013

- Population and Employment projections were updated in the Regions Official Plan Amendment
- Incorporated recent servicing studies into updated strategies
- Emphasis placed on intensification servicing as well as consideration for post-2031 growth

2007

- Full update of the Master Plan
- Provincial Places to Grow legislation was put in effect
- Water and wastewater servicing strategies were reviewed and updated to support the Region's growth based on Places to Grow.

2002

- Master Plan Addendum Completed to revise the water strategy to accommodate York Regions water demand requirement

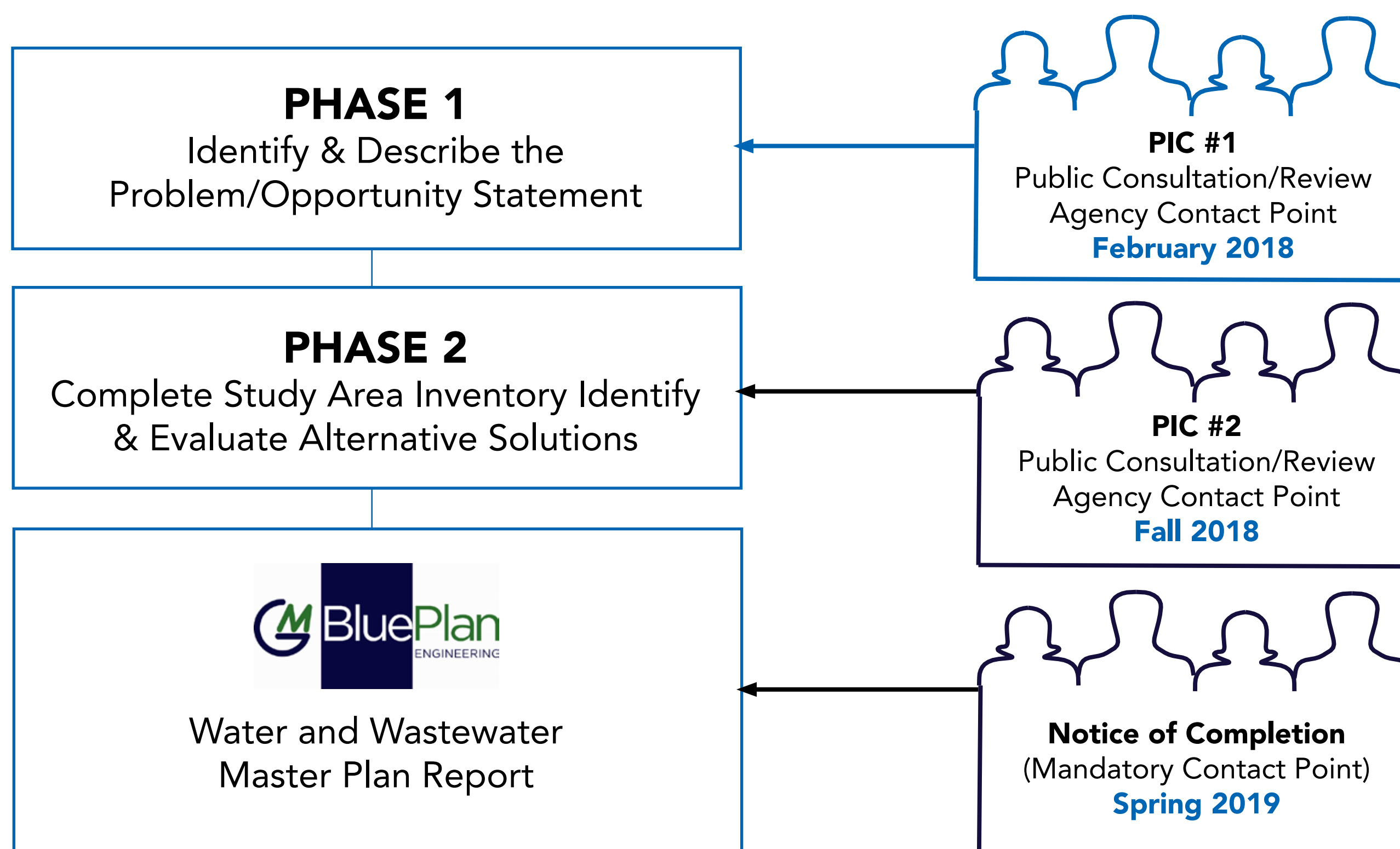
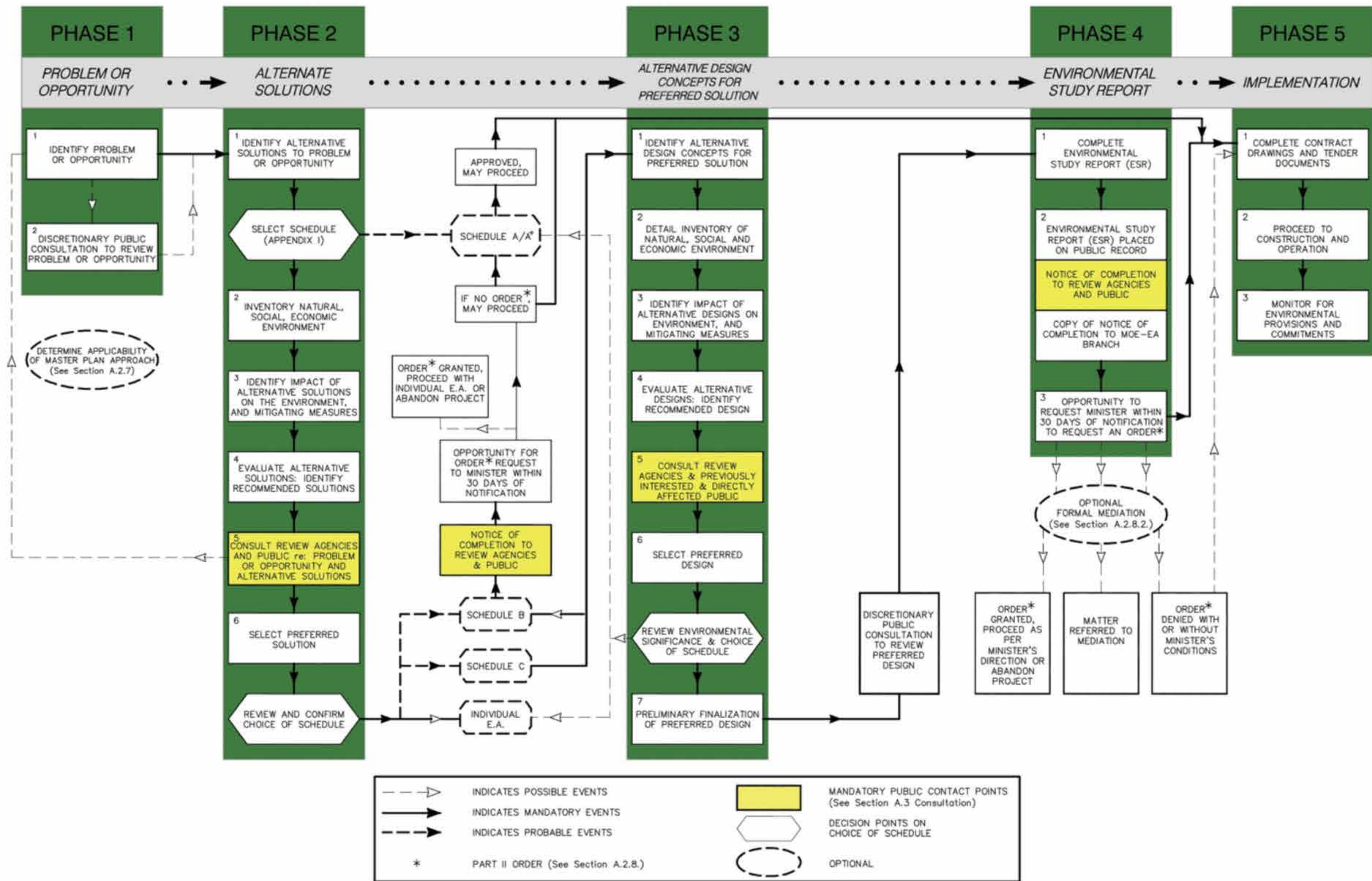
1999

- First Master Plan completed by the Region for the Water & Wastewater Systems Identified servicing strategies for the lake based water and wastewater systems to 2031

Municipal Class EA Process and Consultation

Municipal Class EA Process and Consultation

Note: This flow chart is to be read in conjunction with Part A of the Municipal Class EA



We Are Here

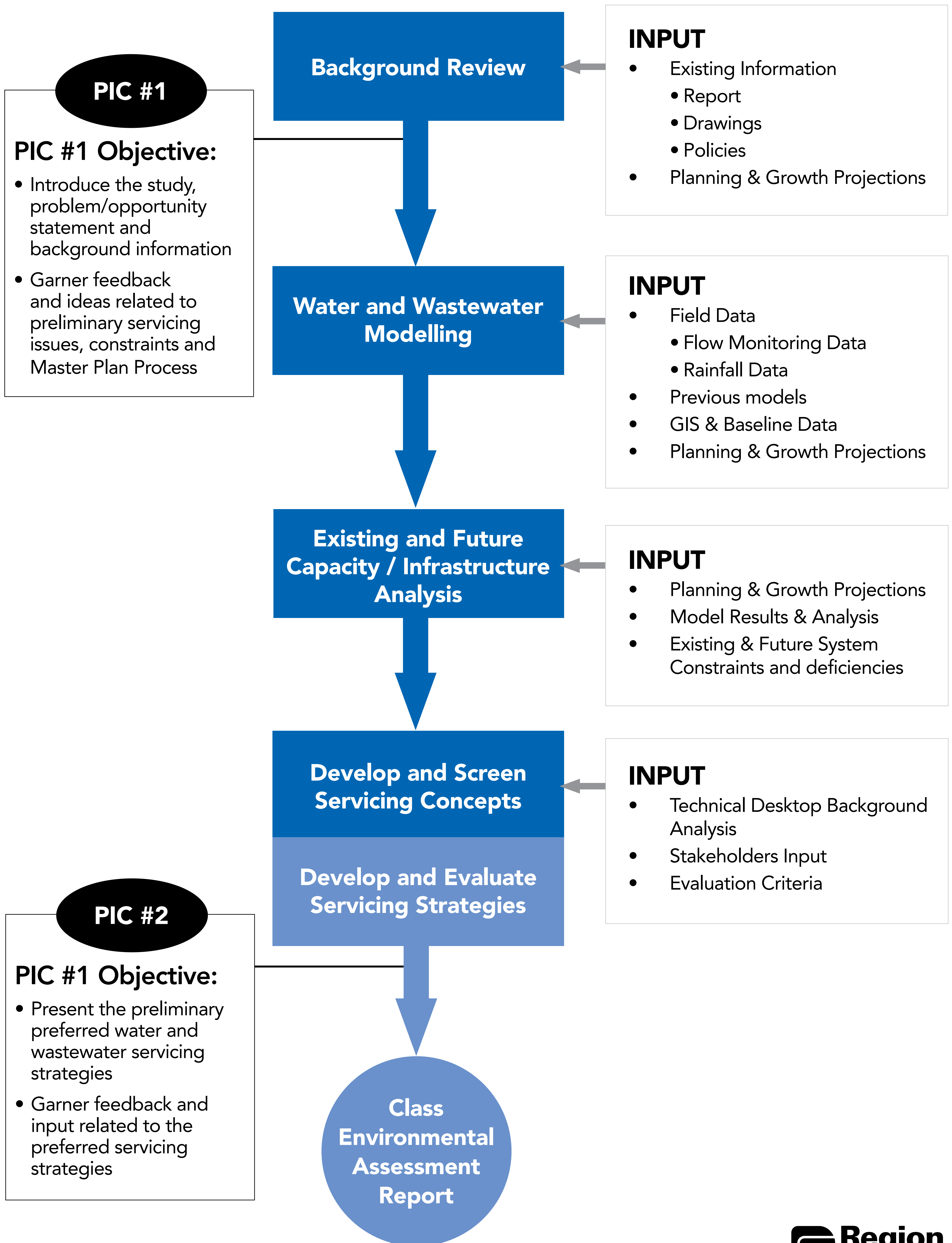
The Master Plan will satisfy Schedule A and A+ projects and provide the basis for future investigations of any identified Schedule B and C projects.

Study Problem / Opportunity Statement

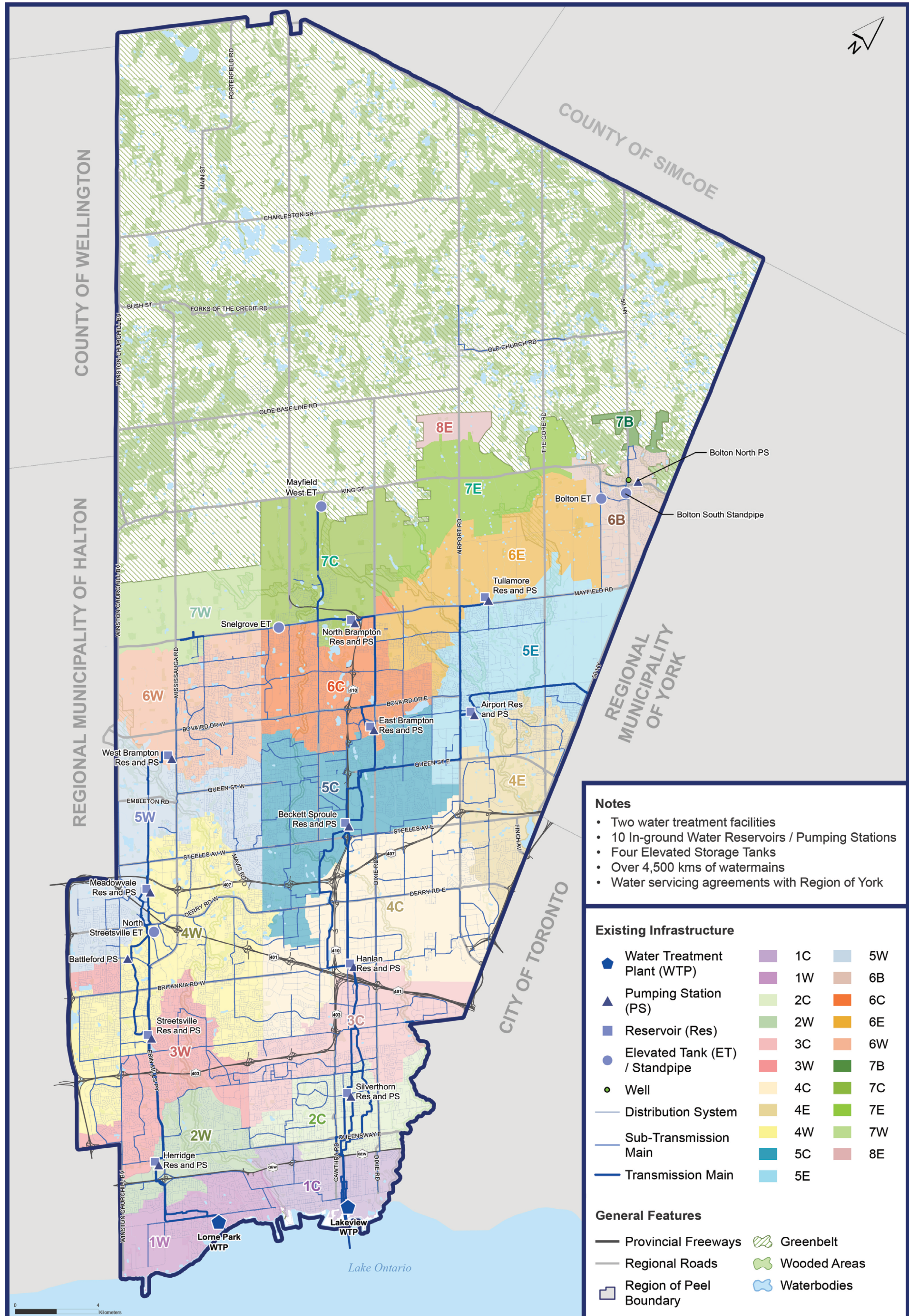
The 2018 Water and Wastewater Master Plan has been initiated to identify servicing requirements for existing service areas and growth areas to 2041 as well as consider the impact of potential post-2041 intensification and greenfield growth.

The study follows the Master Plan process as outlined in Section A.2.7 of the Municipal Engineers Association (MEA) Municipal Class Environmental Assessment (Oct 2000, as amended in 2007, 2011 and 2015). The scope of the study involves completion of Phase 1 and Phase 2 of the MEA Municipal Class EA process. The Master Plan will be filed under Approach #2 of the MEA Class EA Approach for Master Planning

Master Plan Study Process Flow Diagram



Existing Water System



- Notes**
- Two water treatment facilities
 - 10 In-ground Water Reservoirs / Pumping Stations
 - Four Elevated Storage Tanks
 - Over 4,500 kms of watermains
 - Water servicing agreements with Region of York

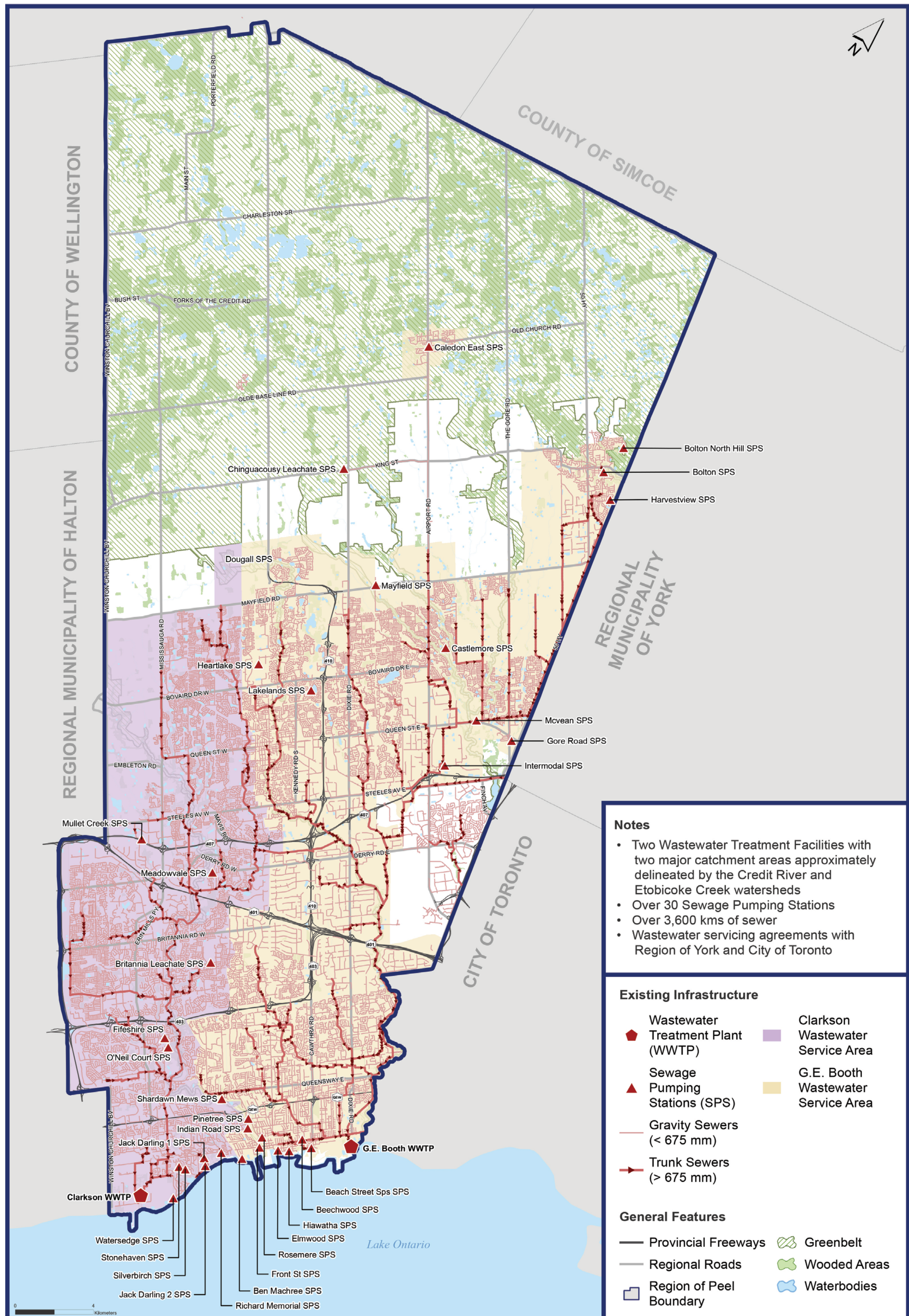
Existing Infrastructure

◆ Water Treatment Plant (WTP)	■ 1C	■ 5W
▲ Pumping Station (PS)	■ 1W	■ 6B
▲ Reservoir (Res)	■ 2C	■ 6C
● Elevated Tank (ET) / Standpipe	■ 2W	■ 6E
● Well	■ 3C	■ 6W
— Distribution System	■ 3W	■ 7B
— Sub-Transmission Main	■ 4C	■ 7C
— Transmission Main	■ 4E	■ 7E
	■ 4W	■ 7W
	■ 5C	■ 8E
	■ 5E	

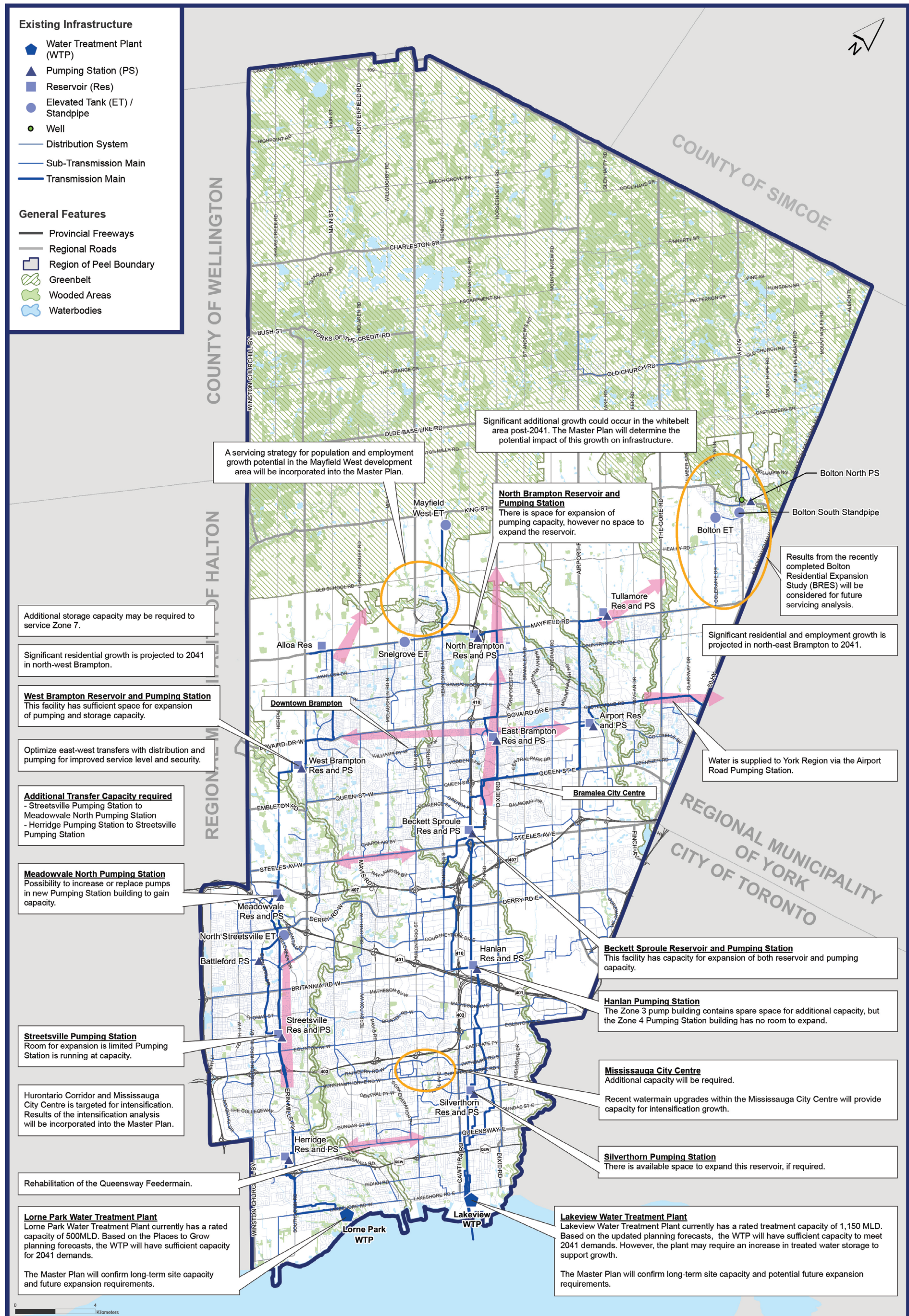
General Features

— Provincial Freeways	■ Greenbelt
— Regional Roads	■ Wooded Areas
□ Region of Peel Boundary	■ Waterbodies

Existing Wastewater System



Opportunities and Constraints Water



Opportunities and Constraints Wastewater

