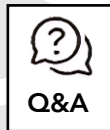


WELCOME

- We will begin shortly.
- For your convenience, you can leave your questions and/or comments in the Q&A tab at any time during the presentation.
- The project team is available to answer questions/comments as they are asked.
- There will also be time for questions at the end of the presentation.





MASTER PLAN FOR THE GROUNDWATER-BASED DRINKING WATER SYSTEMS

Public Information Centre #1

Caledon Village / Alton Drinking Water System

October 22nd, 2025

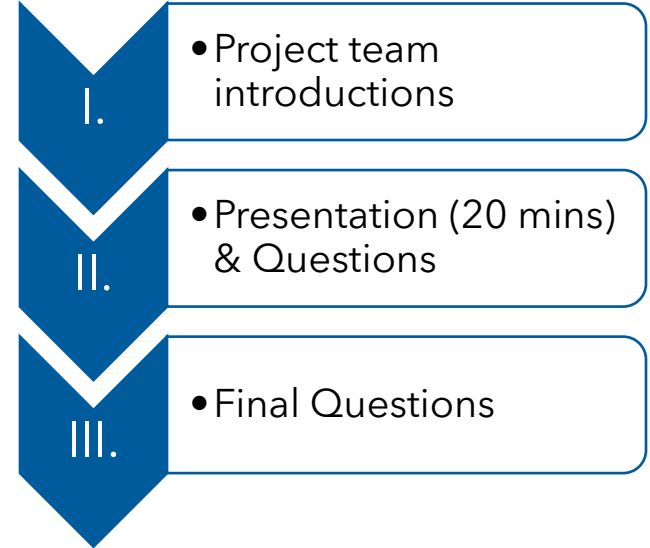


Housekeeping and Agenda

- Project team members from the Region and the consultant team are attending this meeting.
- You can submit questions or comments at any time by clicking the Q&A icon. The project team will respond to questions throughout the presentation. You'll also have the opportunity to ask questions live during the Q&A session at the end. Attendees will remain muted during the presentation.
- This meeting is being recorded for the Region's internal use. The recording will not be publicly distributed.
- The presentation slides and online survey/comment form will be available at the project webpage:

[Groundwater Masterplan Webpage](#)

Agenda:



I. Project Team Introductions





Engineering
for people



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Project Manager

samuel.ziemann@cima.ca



Region of Peel
working with you

Kamal Adhikary (Region of Peel)

Project Manager

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II. Presentation



Why Are We Here?

Peel Region is undertaking a **Master Plan** study to identify long-term water servicing strategies to support the needs of the existing and future population serviced by the Region's groundwater-based drinking water systems up to the 2051 planning horizon.

The objectives of this **Public Information Centre #1** are to:



Introduce the project and provide background information.



Provide an overview of the Master Plan process



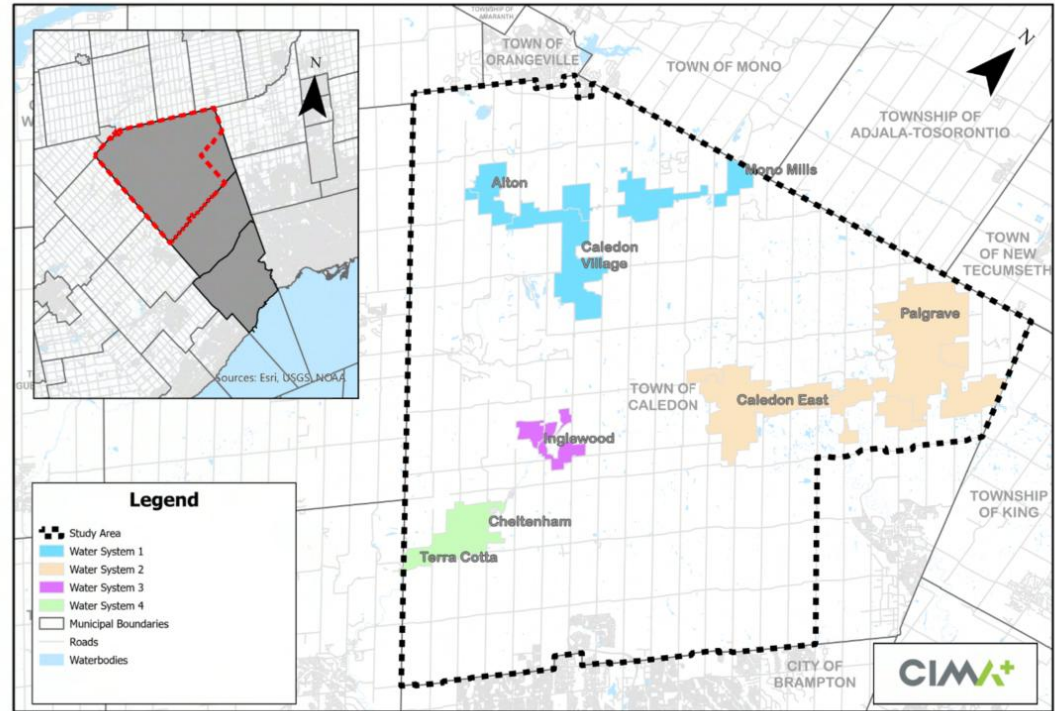
Provide background information on the existing groundwater-based drinking water systems.



Gather your feedback on priorities to be considered in the next stages of the project – Stay involved!

Background

- Peel Region owns, operates and maintains four (4) groundwater-based drinking water systems in the Town of Caledon, servicing areas across multiple villages, hamlets and rural areas.
- Peel Region is developing its first Master Plan study for the groundwater-based drinking water systems to ensure sustainable long-term servicing through to 2051.
- The Master Plan study will build on work from previous studies and ongoing work to support future planning.



Master Plan Study – Context and Objectives

Context:

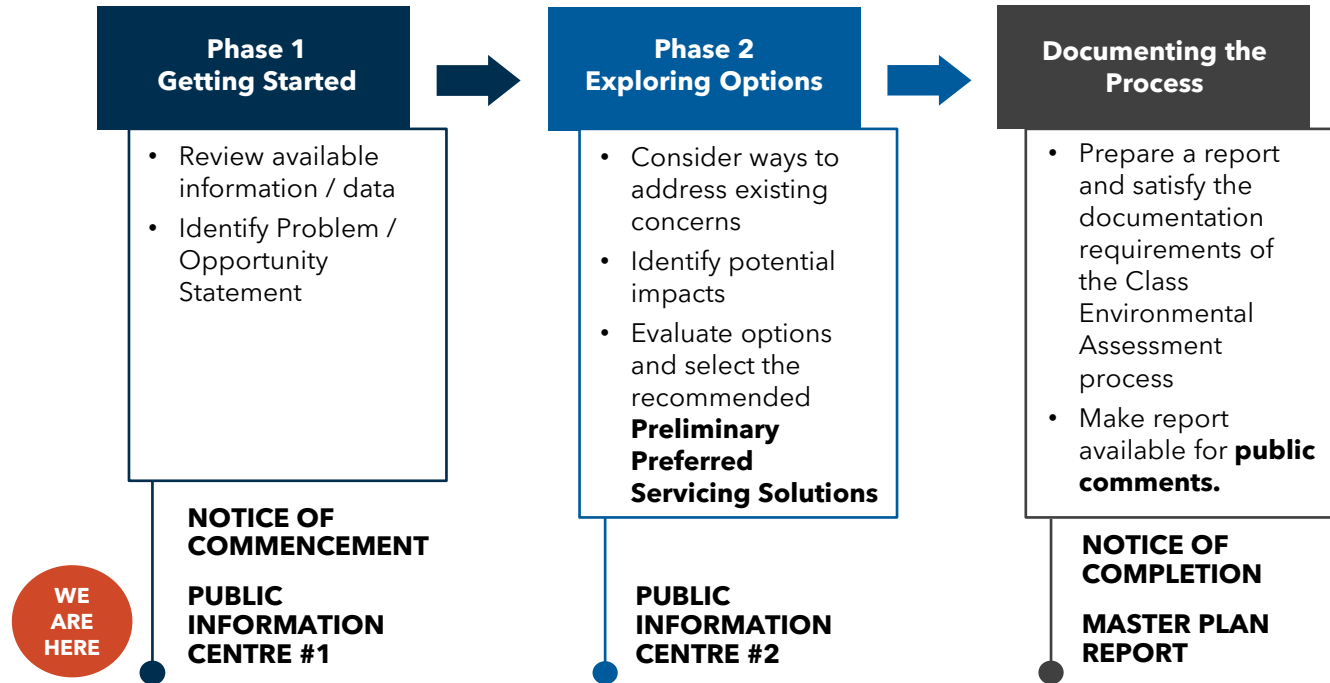
- The Master Plan is prepared following the Municipal Class Environmental Assessment (MCEA) process, which is an approved approach under the Ontario Environmental Assessment Act (1990).
- Preparation of the Master Plan follows Approach 1 of the MCEA Process, meaning it is completed at a broad level of assessment and requires further detailed investigations at a project-specific level.
- Master Plans under Approach 1 meet Phase 1 (Problem or Opportunity) and Phase 2 (Alternative Solutions) of the EA process.

Objectives:

- Develop and evaluate water servicing strategies to accommodate projected population growth through the 2051 planning horizon.
- Meet the requirements of the MCEA process for Master Plans.
- Develop a capital implementation program for the preferred recommended servicing strategies.

Municipal Class Environmental Assessment Process

This project is being completed as a Master Plan Study, under Approach 1 of the Municipal Class Environmental Assessment process. Phases 1 and 2 of the Class EA process will be completed.



Key Components of a Groundwater Based Drinking Water System

North Peel Existing Infrastructure:

Supply Sources

- 16 municipal production wells

Water Treatment Plants (WTPs)

- 9 water treatment plants

Pumping Stations (PSs)

- 5 booster pumping stations

Water Storage Facilities

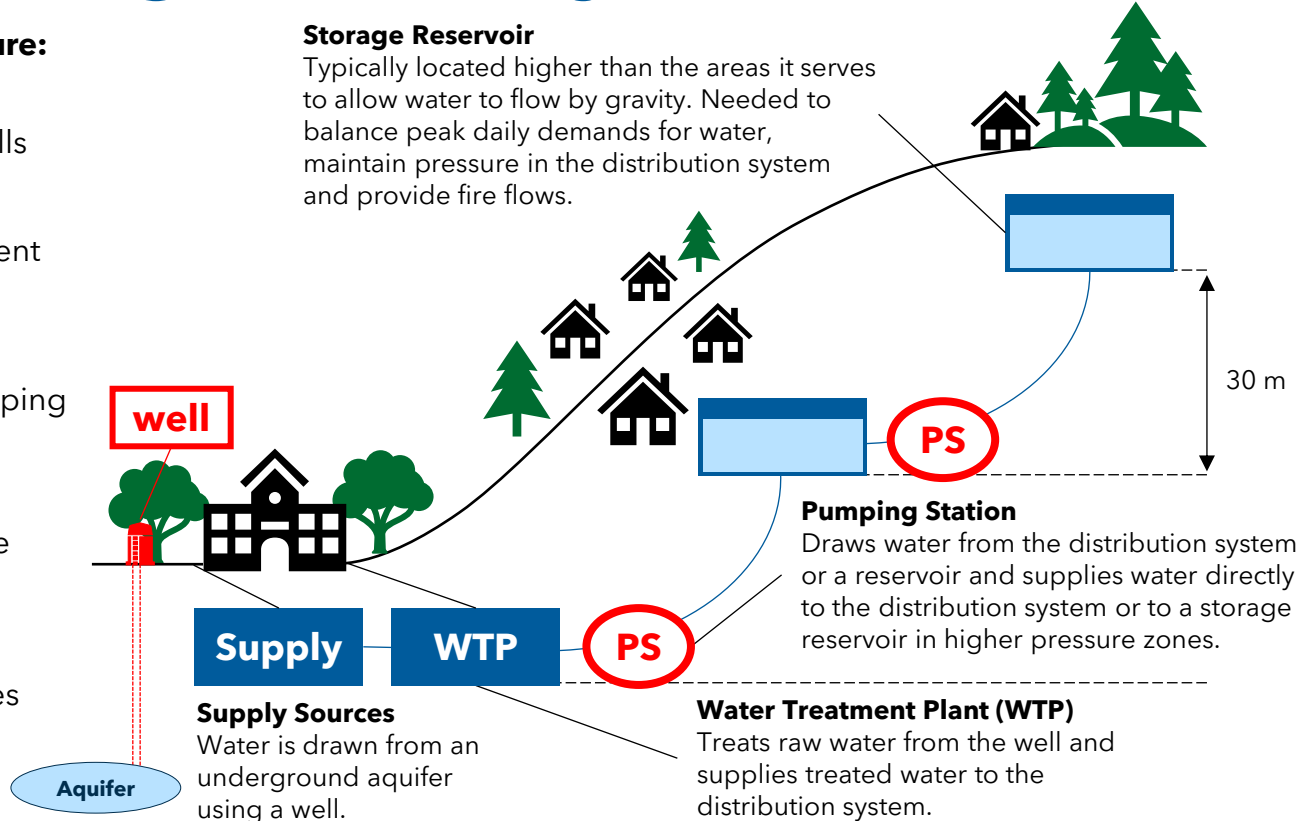
- 6 water storage facilities

Distribution Systems

- 226 km of pipes
- 12 pressure zones

Storage Reservoir

Typically located higher than the areas it serves to allow water to flow by gravity. Needed to balance peak daily demands for water, maintain pressure in the distribution system and provide fire flows.



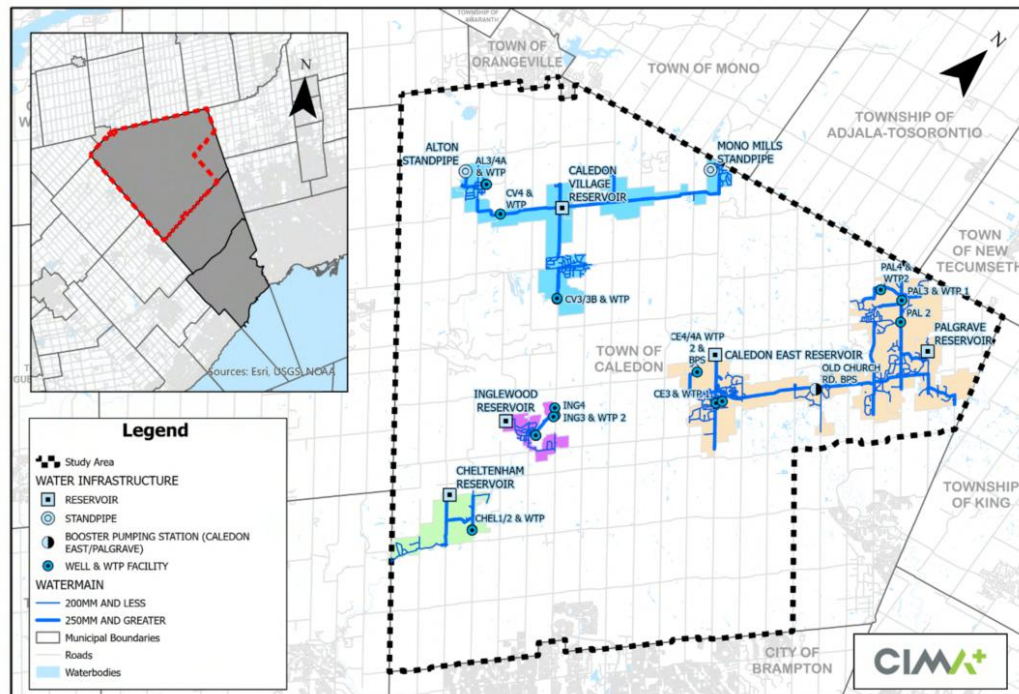
Existing Drinking Water Systems

Four Groundwater-Based Drinking Water Systems (DWS):

- Caledon Village/Alton DWS
- Palgrave/Caledon East DWS
- Inglewood DWS
- Cheltenham DWS
- The systems serve approximately 21,700 people.

Key infrastructure:

- 16 municipal production wells
- 9 water treatment plants
- 6 water storage facilities (in-ground reservoirs and standpipes)
- Approximately 226 km of watermains



This Master Plan will identify long-term servicing strategies to meet the needs of the existing serviced areas and growth areas to 2051.

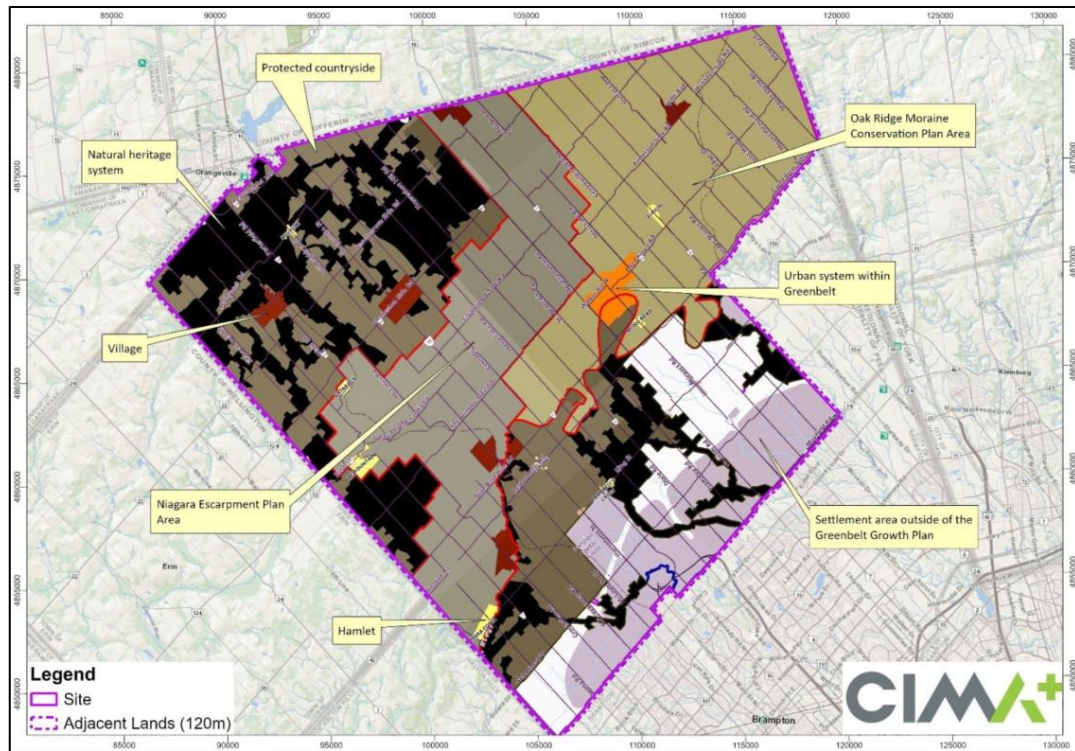
Legislative Context - Land Use

Existing natural environmental features in the Town of Caledon are protected through policies and planning direction set out in:

- The Niagara Escarpment Plan, 2017
- The Oak Ridges Moraine Conservation Plan, 2017
- The Greenbelt Plan, 2017
- The Lake Simcoe Protection Plan
- The Growth Plan for the Greater Golden Horseshoe

Conservation authorities with jurisdiction within areas in the Town of Caledon include:

- Credit Valley Conservation
- Toronto and Region Conservation Authority
- Nottawasaga Valley Conservation Authority
- Lake Simcoe Region Conservation Authority



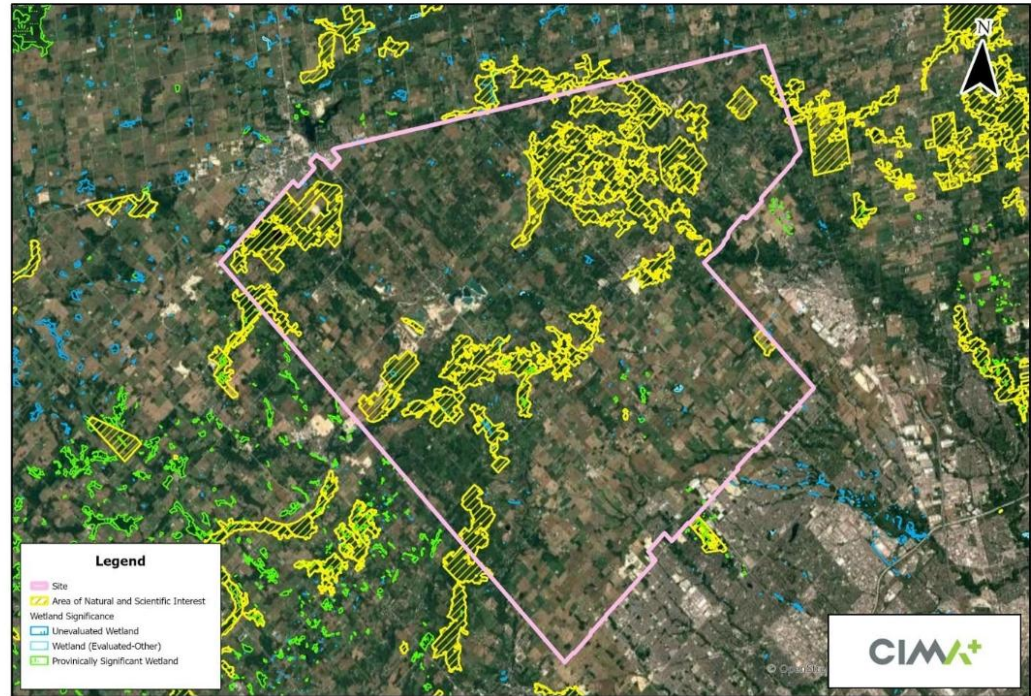
Existing Natural Environmental Setting

Existing known features within the Study Area:

- Provincially Significant Wetlands
- Woodlands
- Areas of Natural and Scientific Interest (ANSIs)
- Fish Habitats

Potential presence of other significant features such as:

- Valley lands
- Species at Risk (SAR) and their habitat
- Significant wildlife habitat



Presence and sensitivity of natural environmental features will be considered in the development and evaluation of alternative water servicing concepts.

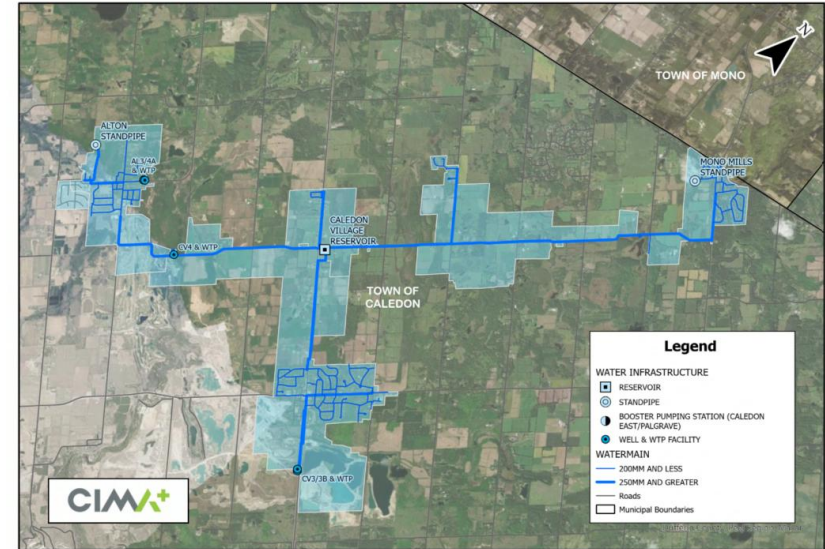
Existing Caledon Village/Alton DWS

Communities serviced by the Caledon Village/Alton Drinking Water System (DWS) include:

- Caledon Village, Alton, Mono Mills, McCleodville & Skywood Park

Key water infrastructure:

- 5 Supply Wells (CV3, CV3B, CV4, AL3 & AL4A)
- 3 Water Treatment Plants (WTPs)
 - Alton WTP (Wells AL3 & AL4A)
 - Caledon Village WTP (Wells CV3 & CV3B)
 - Caledon Village WTP (Well CV4)
- 5 Pressure Zones (AV12, AV13, CV12, CV13, MM12)
- The Alton and Caledon Village systems are interconnected. Communities are connected via large diameter water mains along Hurontario St and Beach Grove Sideroad.



Planning Projections - Caledon Village / Alton

	Criteria	Existing 2024	Future 2051
	People	3,504	4,636
	Max. Day Demands	3,782 m ³ /d	4,915 m ³ /d

Current system demands are approximately 50% of the system's rated capacity of 7,594 m³/day.

Max. System Capacity:

7,594 m³/d

**Existing Max.
Day Demand:**

3,782 m³/d

**Future Max.
Day Demand:**
4,915 m³/d



Opportunities and Constraints - Caledon Village / Alton



Opportunities

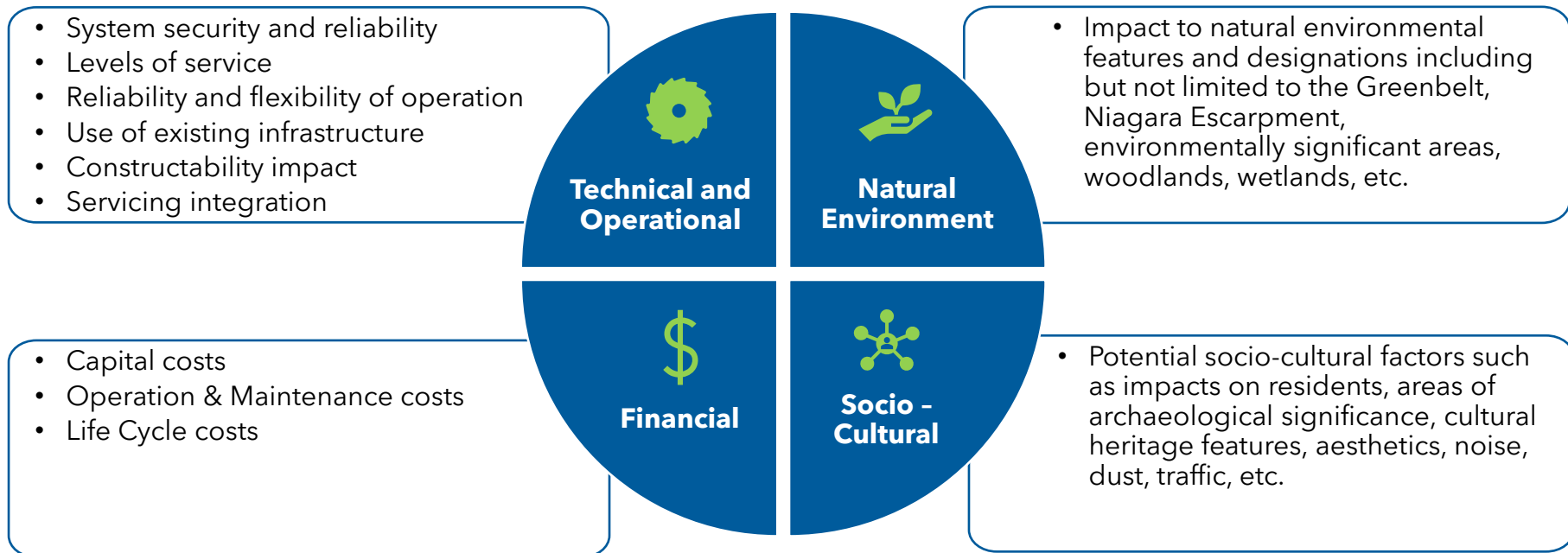
- Current system has available capacity to meet future needs.
- Existing supply wells can be improved to increase production.
- Potential area in Caledon Village identified for a new groundwater source.

Constraints

- Current aggregate extraction activities may impact future well production yield.
- Difficulty in locating productive aquifers in Alton area.

Developing Servicing Strategies - Evaluation Criteria

Alternative water servicing strategies to be identified in the next stages of the study, will be evaluated against the following criteria:



Common Construction Projects

Examples of common water infrastructure construction projects include:

New watermain installations



Region of Peel Watermain Construction

Drilling new municipal wells



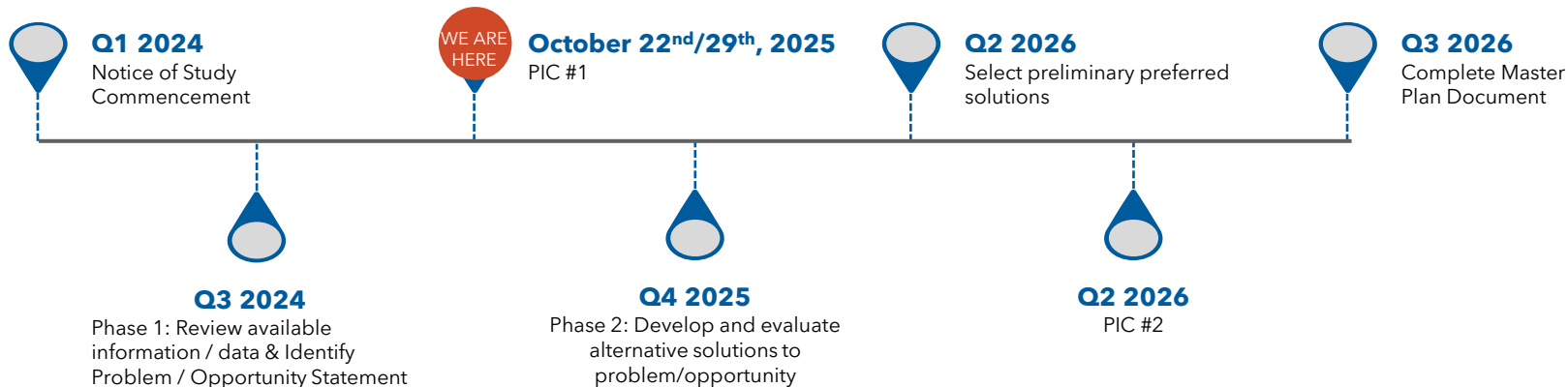
Region of Peel New Well Installation



Next Steps and Project Timeline

After this PIC, the Project Team will:

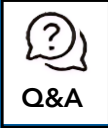
- Review and consider input received during the Public Information Centre #1.
- Develop and evaluate alternative water servicing options, for each of groundwater-based drinking water system
- Select the Preliminary preferred servicing strategies.
- Hold Public Information Centre #2 to present preliminary recommendations.



III. Q&A



Questions?

Please use the Q&A tab  or raise hand function and the project team will call on participants to ask any questions.



What matters to you?

- Do you have any existing water servicing issues?
- What are your drinking water priorities?

Thank you for Participating!



Stay Involved!

Please complete a Comment Form

Stay In Touch!

To submit your questions or comments at any time during the project, please contact:



Kamal Adhikary
Peel Region
gwmasterplan@peelregion.ca



Samuel Ziemann
CIMA+
Samuel.ziemann@cima.ca



Stay Informed!

For more information about this project, please visit our webpage:

<https://peelregion.ca/construction/environmental-assessments/master-plan-peels-groundwater>

