

This document is provided as an alternative format that is originally hosted using ESRI StoryMaps. It is provided for those who may not have the compatible browser to view the original virtual public information materials online.

Project Introduction

The Niagara Region is currently undertaking the Niagara Falls Elevated Tank Environmental Assessment (EA) to determine a preferred solution for meeting water storage requirements to efficiently operate the Niagara Falls water distribution system.

This Schedule 'B' Municipal Class Environmental Assessment was triggered by recommendations from the Region's 2016 Master Servicing Plan. The previous study identified a water storage volume deficit at the City's current Lundy's Lane water tower and recommended the construction of a new larger water tower to support both existing and future water customers. A new water tower is proposed, following the decommissioning of the Lundy's Lane water tower, to provide additional system capacity to support growth and optimize operations.

Questions and feedback on materials presented at this PIC will begin **October 13 to November 17, 2022** and can be submitted using the link below or directly to the project email.

**Submit Questions or
Comments**

Timeline

October 13, 2022:

Project information, project overview video, and transcript posted

October 13 to November 17, 2022:

Fill in the online survey and submit questions or comments related to the PIC No.1 materials to Niagara Region. Response to questions will be posted to the Region's website after this period.



Present the Public and Stakeholders with an opportunity to learn about Niagara Region's Niagara Falls Elevated Tank Environmental Assessment (EA).



Outline the Niagara Falls Elevated Tank EA project schedule and what steps are being taken to support the decision-making process.



Answer any questions you may have about the Project process or potential outcomes.



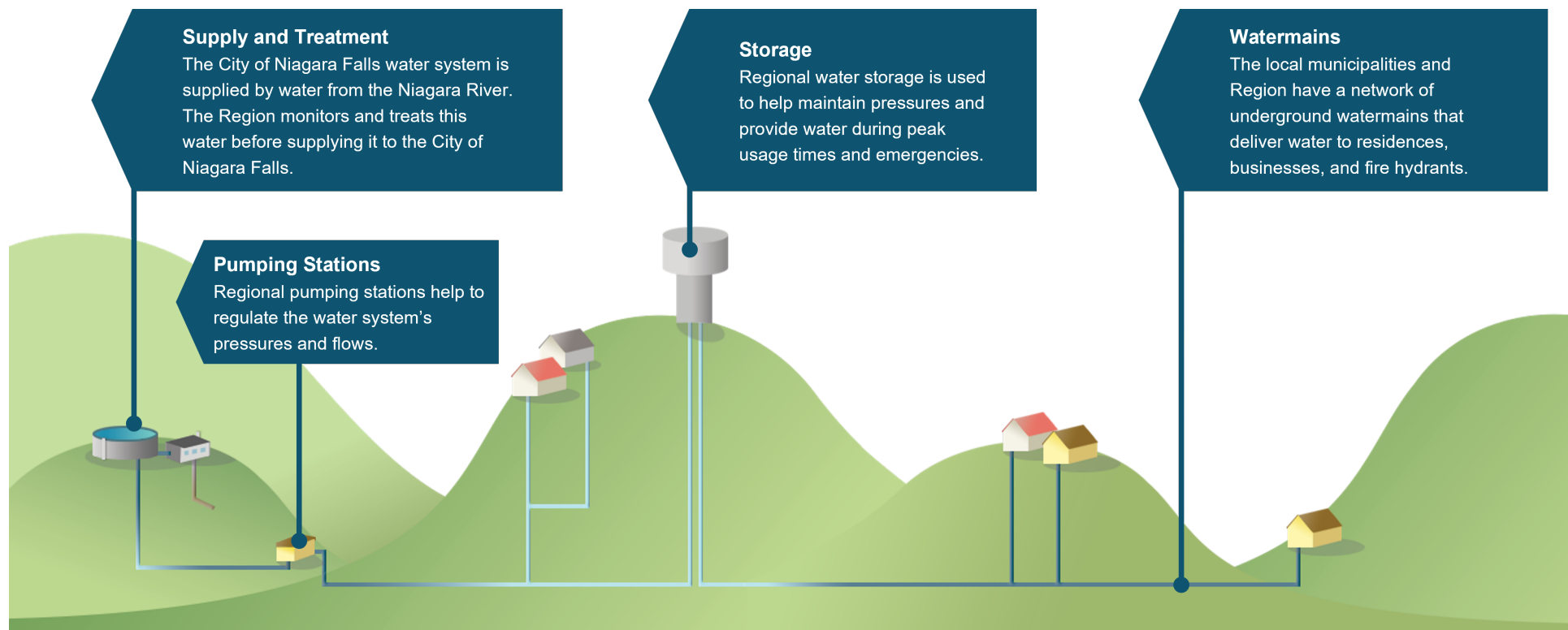
Obtain your feedback on the Niagara Falls Elevated Tank EA long list of alternatives and which evaluation criteria are most important to you.

How Your Water System Works

Niagara Region and the City of Niagara Falls work together to supply clean and safe drinking water to residents and businesses.

- The Region treats water from the Niagara River at the Niagara Falls Water Treatment Plant which is supplied to the City of Niagara Falls water system.
- Pumping Stations, including the Niagara Falls Water Treatment Plant High Lift Pumps and the Kent Reservoir Booster Pumping Station, help regulate the water system pressure and flows.
- Storage (water towers) is used to help maintain pressure and provide water during peak usage times and emergencies.
- Both the Region and the City have a network of underground watermains that deliver water to residences, businesses, and fire hydrants.
- The Region and City provide clean and safe drinking water to you.

While the Region owns and operates the water treatment plants, water storage, and pumping facilities, local municipalities are responsible for delivering water to their residents.

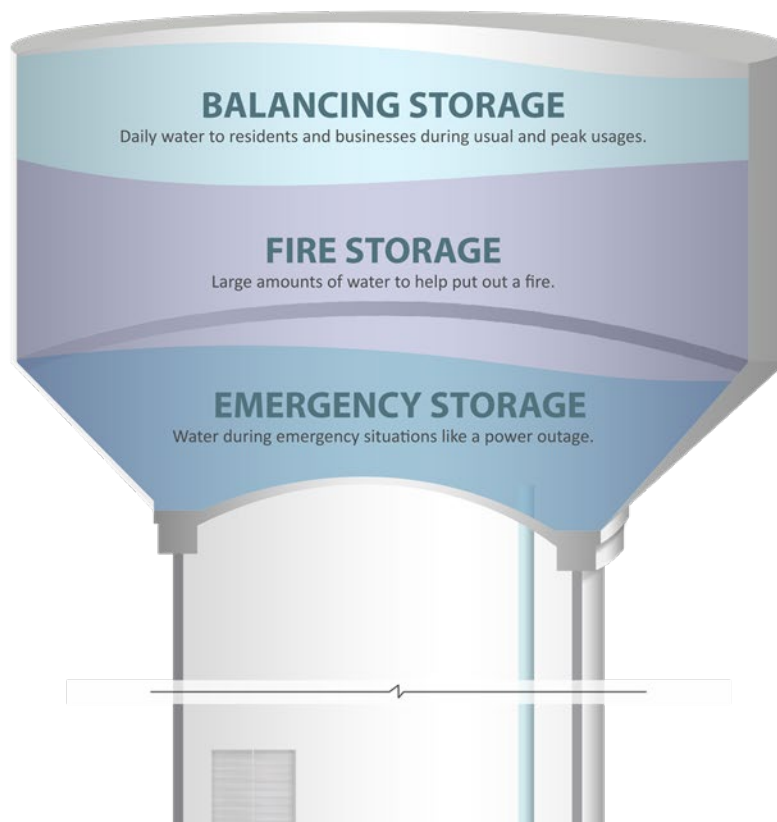


Water Towers Are Important For Our Water System

Water towers use gravity to provide water to your community as you need it. Water levels in tanks go up and down during the day. This allows the water system to:

- Maintain constant pressure in your home
- Respond quickly to fires and emergency situations
- Maintain good water quality

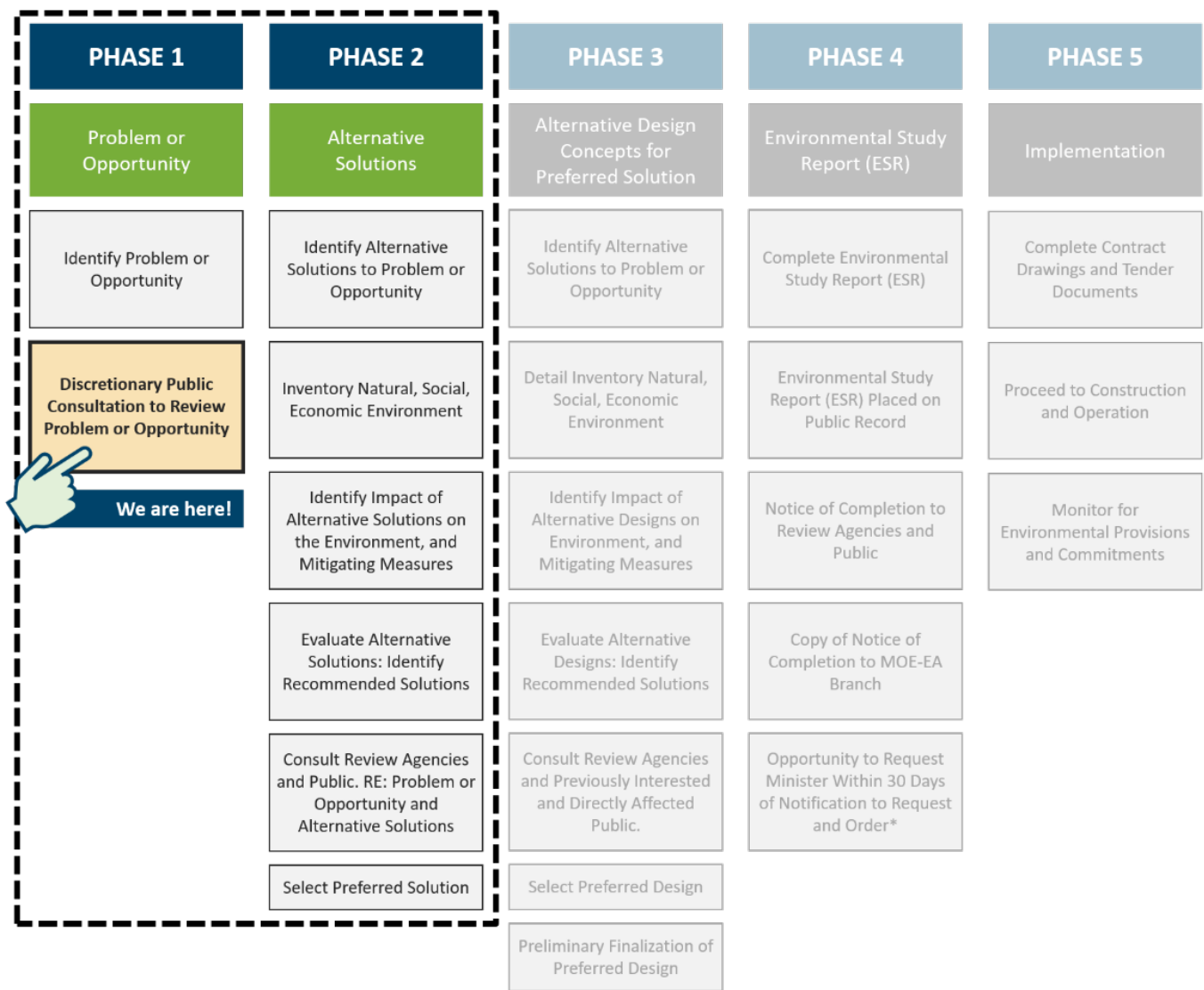
Water stored within a water tower has three important purposes



Problem And Opportunity Statement

The Niagara Falls Elevated Tank EA is being completed as a Schedule ‘B’ Class Environmental Assessment, satisfying Phases 1 and 2 of the Municipal Engineers Association (MEA) Class Environmental Assessment process. This is a decision-making process that all Ontario municipalities follow for rehabilitating and building new infrastructure.

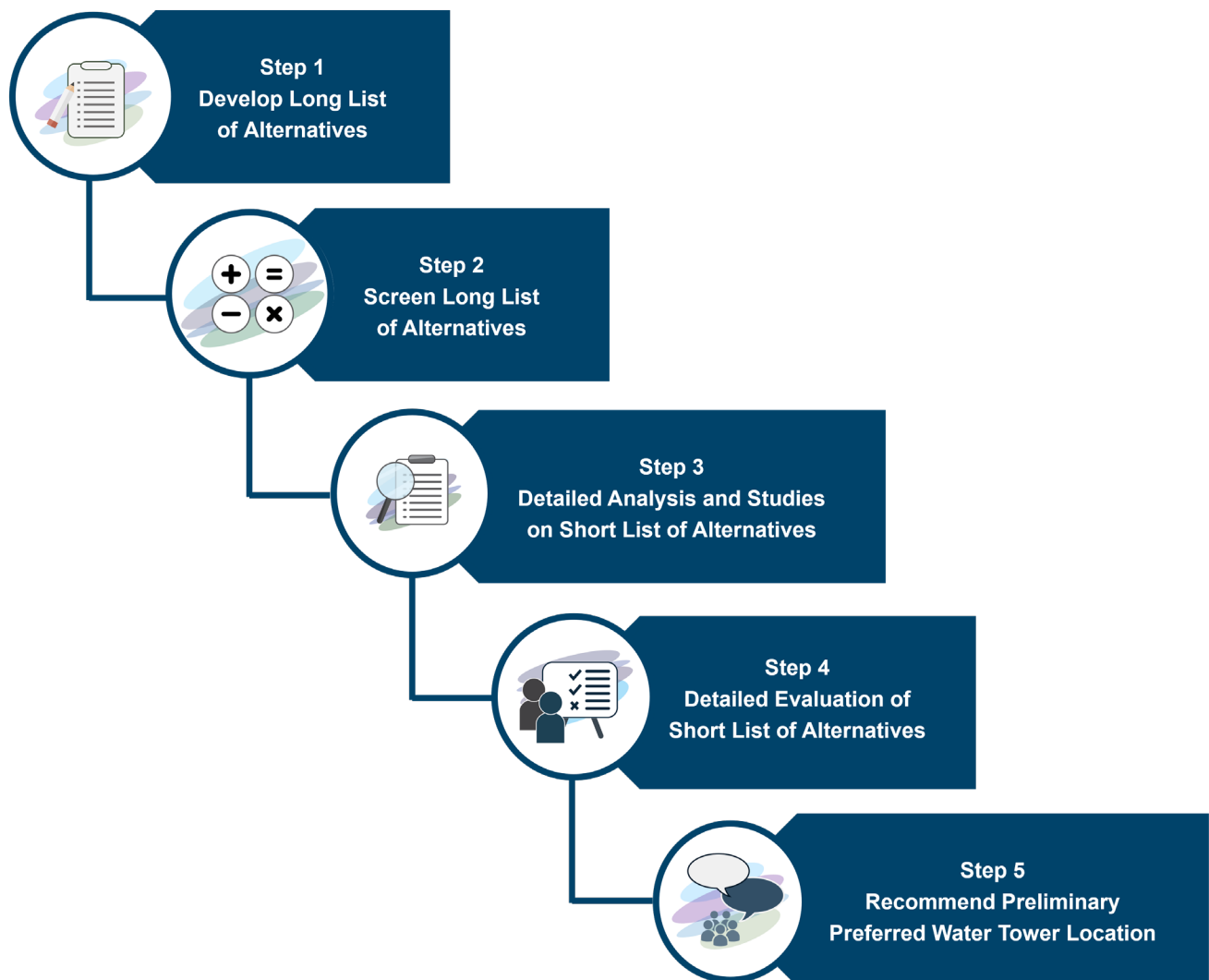
The purpose of the Niagara Falls Elevated Tank EA is to identify and develop a preferred solution for meeting storage requirement needs, support growth, enhance resiliency, and improve operational efficiency of the Niagara Falls Water Distribution System.



Project Road Map

The Study will take a systematic approach to identify a new, preferred water tower location and any additional infrastructure needed to accommodate the location. This includes the installation of new watermain, modifications to system operations, etc.

1. Develop a long list of potential water tower locations through a screening process of primarily technical criteria.
2. Further screen the long list of potential water tower locations to develop a short list of 3-4 locations.
3. Detailed analysis will be completed on the short list of potential water tower locations including hydraulic modelling, investigations (natural heritage, cultural heritage, archaeological, geotechnical), and site visits.
4. Complete detailed evaluation to identify a preferred water tower location.
5. Recommend a preliminary preferred water tower location including any additional infrastructure needed to support the location.



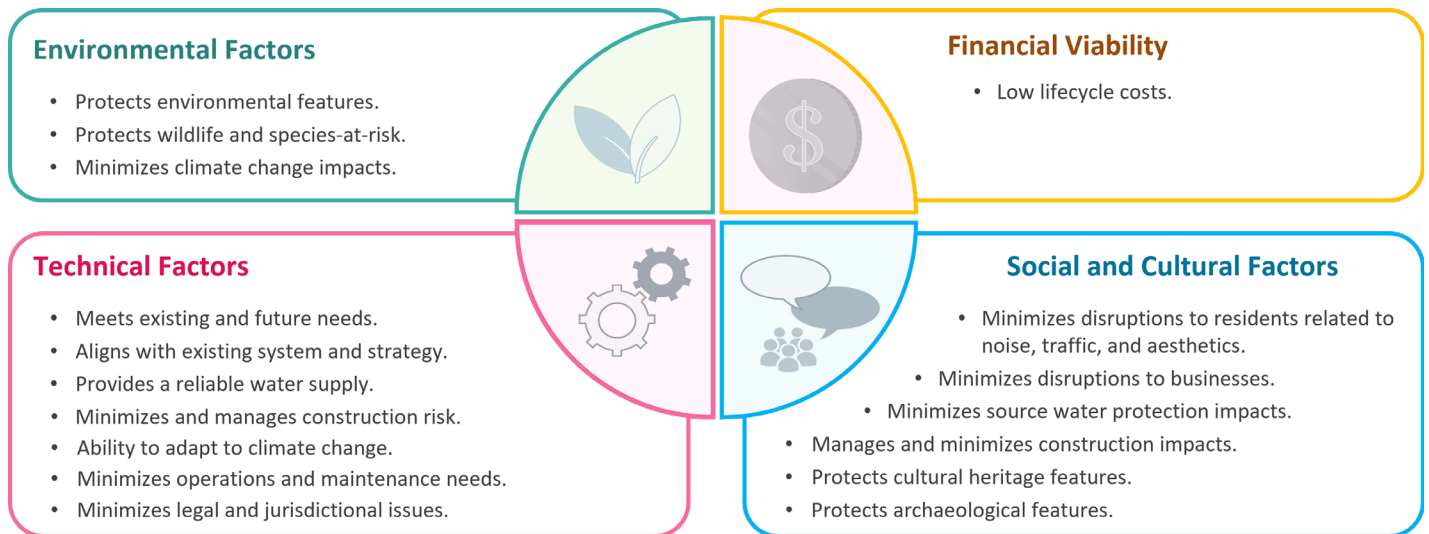
Alternatives Evaluation Approach

Following the further screening of the long list of potential water tower locations, a short list of approximately 3 to 4 locations will be developed. These short listed locations will be assessed in greater detail for their viability with additional criteria.

The short listed water tower locations will be evaluated according to the criteria shown to the right, with each category of criteria being considered equally. The highest score will identify the preferred option.

Are there any other criteria that you think should be considered? What are the criteria that are most important to you? Please fill out the online survey which can be accessed through the following link until **November 17, 2022**.

**Fill Out the Online
Survey**



Locating A New Water Tower

The location of a new water tower is important in the long term operation of the Niagara Falls water system.

The development of a long list of potential water tower locations was done through a screening process which considered the following criteria:

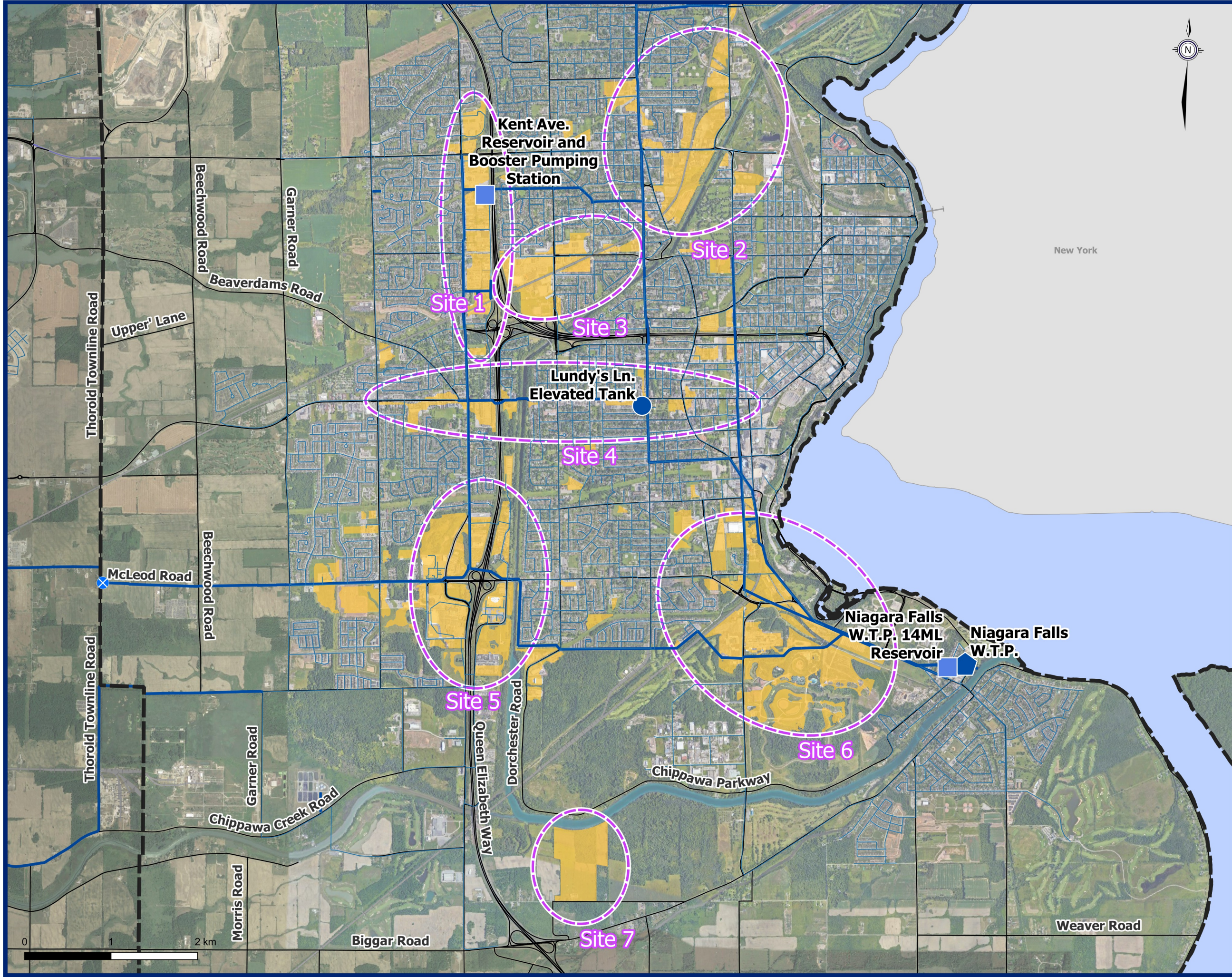
- Ground elevation
- Proximity to the existing Niagara Falls water system
- Current land use of the site
- Avoiding environmental features
- Size of property
- Shadows cast by the water tower

There are 7 long list locations for a potential water tower which are presented in the map below and summarized as:

- Site 1 is generally located between Montrose Road and the QEW, south of Thorold Stone Road
- Site 2 is generally located along Stanley Avenue, north and south of Thorold Stone Road
- Site 3 is generally located east of the QEW, along Morrison Street
- Site 4 is generally located along Lundy's Lane between Kalar Road and Stanley Avenue. This site includes the existing water tower location on Lundy's Lane.
- Site 5 is generally located at the intersection of McLeod Road and the QEW
- Site 6 is generally located along McLeod Road and Stanley Avenue, north of Marineland
- Site 7 is at the future South Niagara Falls Wastewater Treatment Plant location on Reixinger Road

What is your preferred and least preferred of these long list locations? Are there any additional considerations we should know about the listed locations? Please fill out the online survey which can be accessed through the following link until November 3, 2022.

**Fill Out the Online
Survey**



Existing Water Infrastructure

-  Water Treatment Plant
-  Elevated Tank
-  Reservoir
-  Pressure Reducing Valve
-  Local Watermain
-  Region Watermain
-  Municipal Boundary

Long List of Potential Locations

-  Areas Meeting Criteria
-  Long List of Potential Water Tower Locations

Long List of Potential Water
Tower Locations

Public Information Centre No. 1

Project Schedule



Get Involved

Public feedback is important. Sign-up to be added to the study contact list and submit any questions or comments to the Project Team. You may also submit comments at the link below, including feedback on the long list of alternatives and the evaluation criteria most important to you.

Submit Questions or Comments

Provide Feedback

We encourage you to provide feedback by filling out the survey by **November 17, 2022** to provide any feedback on the study and/or if you would like to receive project information updates. Responses to all comments received will be posted following this time.

Fill Out the Online Survey

Contact Us

- Mike Ogunlaja, Project Manager, Niagara Region at Mike.Ogunlaja@niagararegion.ca
- Julien Bell, Project Manager, GM BluePlan Engineering Ltd at Julien.Bell@gmblueplan.ca

Privacy and Accessibility

Niagara Region is committed to reviewing its practices, processes and the built environment for barriers to access for persons with disabilities. If you require additional or other formats for communicating, [contact Niagara Region](#) to make arrangements.

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 related will become part of the public record and may be included in the study documentation prepared for public review.