

WELCOME

Hanover Well 1 and Well 2 Improvement

**Public Information Center
Hanover Municipal Office
341 10th Street, Hanover Ontario
Wednesday September 2, 2026**

Purpose of Tonight's Meeting

- Explain the rationale and proposed replacements that are being considered as required improvements, and introduce the proposed replacement program.
- Describe the work that will be undertaken
- Discuss potential construction and community impacts
- Receive questions and feedback from the public



Why is the Town Undertaking This Work?

The Town relies on its municipal wells to provide approximately 50% of the drinking water supply.

- Well No. 1 and Well No. 2 are long-standing components of the Town's water supply system. As the wells have aged, their condition and performance have changed.
- Well No. 1 was originally constructed in 1962
 - Inspections and testing have identified deterioration associated with the age and condition of the well
 - Rehabilitation work has provided limited improvement in performance
 - Continued reliance on aging well infrastructure creates increasing operational and maintenance risk
- Well No. 2 was originally constructed in 1986
 - Inspections have identified corrosion, pitting, iron accumulation and significant biofouling within the well.
 - The well has experienced reduced sustained pumping performance despite multiple rehabilitation attempts.
 - Previous casing damage required installation of an internal liner to maintain the well in service.
 - The liner reduces internal access and limits the ability to undertake future inspection, cleaning, redevelopment and repairs.

The objective is to replace aging infrastructure before its condition affects the reliability of the Town's water supply.

What is Being Proposed?

The project is focused on replacing the existing wells while continuing to use the Town's established water supply system.

- The current concept includes:
 - Construction and testing of a new replacement well at or near the **Well No. 1 site**
 - Construction and testing of a new replacement well at or near the **Well No. 2 site**
 - Installation of new well pumps and associated equipment
 - Connections to the existing municipal water system
 - Electrical, instrumentation and control modifications required to operate the new wells
 - Decommissioning of the existing wells once the replacement wells are successfully commissioned

The intent is replacement of aging infrastructure, not creation of a new water supply system or major expansion of the existing well facilities.

What Will the Project Confirm?

- Before the replacement wells are placed into service, the project must confirm that they can reliably perform their intended function.
- The work will include:
 - Confirming suitable locations for the replacement wells
 - Drilling and constructing the new wells
 - Completing pumping and hydrogeological testing
 - Confirming available well yield
 - Testing groundwater quality
 - Confirming appropriate pumping equipment
 - Identifying required connections to the existing water system
 - Confirming electrical, controls and SCADA requirements
 - Obtaining applicable regulatory approvals

Only after testing is completed will the final well configuration and operating requirements be confirmed.

Where Will the Work Occur?

The preferred approach is to construct the replacement wells within the existing municipal well properties where practical.

■ Well No. 1

- Available space appears sufficient to accommodate a replacement well
- Final location will consider existing utilities, overhead lines, vegetation/wetland features and construction access



■ Well No. 2

- The existing property is more constrained
 - Construction access and drilling space will be important considerations
 - Temporary access or use of adjacent lands may be required depending on the final well location and contractor requirements



What Will Residents See?

Construction will occur in several stages and will not happen all at once.

- The well drilling process will precede construction of the new transmission main construction and electrical upgrades. During well construction residents near the sites may observe:
 - Drilling equipment and support vehicles;
 - Temporary construction and material storage areas;
 - Pumping and testing of the new wells;
 - Temporary discharge of groundwater during testing.
- During construction of infrastructure improvements, residents near the sites may observe:
 - Construction equipment;
 - Excavation for watermain and electrical connections;
 - Construction activity within the existing control buildings;
 - Temporary noise, dust and localized disturbance;
 - Final site restoration following construction.

What Will Residents See?

- The Town and its consultants will establish requirements for:
 - Traffic and site access
 - Noise and dust control
 - Erosion and sediment control
 - Management of water produced during well testing
 - Protection of existing utilities and surrounding properties
 - Site restoration

Maintaining Supply

Maintaining reliable water service is a key requirement of the project.

- The project will be staged so that the existing water supply remains available while the replacement wells are constructed and commissioned.
- The anticipated approach is to:
 - Construct and test a replacement well while the existing system remains operational
 - Complete the required watermain, electrical and control connections
 - Commission and place the replacement well into service
 - Confirm reliable operation before removing the existing well from service
 - Sequence work at the second site to maintain available municipal supply
 - Temporary power or other temporary servicing arrangements may also be used during electrical changeovers where required.

Normal water service will be maintained throughout the project.

Project Timeline (Tentative)

- Drilling and Well Testing TOR Development: July/ August, 2026
- Well Drilling Construction Contract Tender: September, 2026
- Well Drilling: October 2026 – March/April 2027, driller availability dependant.
- Hydrogeological Reporting: April, 2027
- Preliminary Design (30%): July, 2026
- Detailed Design (100%): October, 2026
- Tender: May, 2027 (Worst case/ well drilling dependant)
- Well Upgrades Construction: June, 2027 – January, 2028

How Will Private Wells Be Protected?

The protection of existing private wells is a key consideration of this project. Deleterious impacts are not anticipated to existing private wells.

- A private well survey and water level monitoring program are included in the project.
 - Survey letters will be delivered to properties within 400m of each test well location.
 - Targeted private wells in this area will be monitored as part of the program, pending resident reception and voluntary inclusion in the program.
 - The permitted taking rate of the new municipal wells will be the same as the permitted taking rate of the existing municipal wells.
- Water quality will also be sampled at selected, mutually agreed upon, representative sites.
 - Water quality will be tested to Ontario Provincial Water Quality Requirements

Queries and Responses

Question	Response
Will the Town of Hanover be increasing the amount of water that can be taken from the municipal supply wells?	No, the intent of this project is a replacement of the existing wells to maintain the same water taking rate, as defined by the Ministry of the Environment, Conservation and Parks in the Permit to Take Water.
Will the water quality at my private well be affected?	The Town will be selecting properties in the testing area to contact for voluntary before and after testing of water quality to ensure water quality is not negatively impacted by the new wells.
What measures will be taken to prevent unauthorized truck traffic on load-limited roads?	Truck access to Marl Lake Road 8 will be required to be through Bruce Road 22.
How long will the construction period be?	The well construction will take place sequentially, being fully completed at one well before moving to another. Well drilling will take less than 5 days, and construction will take approximately 3 months for each well.

Questions and Input

We Want to Hear From You

The Town is interested in questions or information regarding:

- Existing conditions around the well sites
- Access or property considerations
- Potential construction impacts
- Concerns regarding noise, traffic or temporary disturbances
- Other local information that should be considered during design

Project Contacts

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