Class Environmental Assessment and Conceptual Design of the Heidelberg Water Supply System

Schedule B Municipal Class Environmental Assessment
Virtual Public Consultation Centre #1

https://www.regionofwaterloo.ca/CurrentWaterProjects/

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Stantec
Welcome!

Goals of this Public Consultation Centre

- Introduce the project and why it’s important
- Provide an overview of the Municipal Class EA Process
- Provide a description of the existing Heidelberg and St. Clements Water Supply Systems and local existing conditions
- Contact a project team member

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Project Overview

What are we doing?
We are planning a long-term water servicing solution for the community of Heidelberg. Some components in the existing system have reached the end of their service life. This study will look at the best way to address this issue.

Why are we doing it?
The current water supply system serves Heidelberg. A recent condition assessment identified that significant components will reach the end of their service life within the next five years. We are taking steps now to ensure we are ready to provide ongoing water servicing to the community.

What does it mean to you?
The project will explore the potential for upgrades at the existing Heidelberg wells and water treatment plant (WTP) and identify opportunities to improve operational efficiency. One such opportunity could be to supply Heidelberg from the St. Clements water supply system. The project does not add water supply servicing to areas where it is not currently provided.
Study Area
This project is classified as a **Schedule B project**, which includes the completion of Phases 1 and 2 of the Class EA process.
Existing Water Infrastructure - Heidelberg

Located in the Township of Woolwich at 7 Bavarian Drive, Heidelberg

Two wells supply water to approximately 1,100 residents in the Townships of Woolwich and Wellesley

WTP capacity is 1,374 m³/day, with maximum day demand of 298 m³/day
Existing Water Infrastructure – St. Clements

Located in the Township of Wellesley at 14 Expo Drive, St. Clements

Three wells supply water for approximately 1,260 residents

WTP capacity is 1,770 m$^3$/day, with maximum day demand of 544 m$^3$/day
• Water supply to the Heidelberg community is provided by the Heidelberg Water Treatment Plant (WTP).
• Much of the Heidelberg WTP equipment is nearing the end of its useful life and major capital investment will be required to maintain the facility moving forward.
• Now is a good time to examine how water is supplied to Heidelberg. A number of possibilities will be examined, including upgrading the Heidelberg water treatment plant, or provision of the water supply from the neighbouring community of St. Clements.

The intent of this Class EA Study is to establish a long-term water servicing solution for the community of Heidelberg that is safe, efficient, cost-effective and environmentally sustainable. This includes assessing the current system as well as alternative water supply options.
Are there any other natural environmental features to consider in the study area?
Evaluation Criteria

Alternative solutions will be assessed based on these criteria:

**Social/Cultural**
- Minimizes impacts on existing residences, business, and other planned land uses and developments
- Protects archaeological and cultural heritage resources
- Protects health/safety

**Natural Environment**
- Protects environmental features
- Protects wildlife and species at risk
- Protects groundwater, streams, and rivers
- Considers climate change impacts

**Technical**
- Minimizes land requirements
- Provides reliable service
- Meets existing and future needs
- Aligns with existing and planned infrastructure improvements
- Aligns with existing and future land use
- Constructability

**Financial**
- Provides low lifecycle costs
Next Steps

Prepare Background Technical Memos

Public Consultation Centre 1

Evaluation of Alternative Solutions

Public Consultation Centre 2 – Winter 2022

Confirm Preferred Alternative Solution – Spring 2022

Draft Project File Report – Spring 2022

Notice of Study Completion & 30-day Public Comment Period – Summer 2022

We are here
Thank you!

Please fill out a comment sheet found at the link below and provide it to one of the team members by June 30 2021.

Ayman Khedr, P.Eng., EIT
Engineering and Planning
Region of Waterloo, Water Services
Phone: 519-575-4400, ext.4412
AKhedr@regionofwaterloo.ca

Nelson Oliveira, P.Eng.
Vice President, Regional Business Leader, Water - Canada East
Stantec Consulting Ltd.
Phone: 519-675-6620
Nelson.Oliveira@stantec.com

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