

OPEN HOUSE #2 SUMMARY

DATE	August 31, 2020
TO	York Region
SUBJECT	Stouffville Water System Upgrades Open House #2 Summary
FROM	Cassandra Leal, P.Eng.
PROJECT NUMBER	17100

A: INTRODUCTION

On Thursday, August 6, 2020, York Region initiated the Virtual Phase-2 Open House for the Stouffville Water System Upgrade Class EA project. The purpose of this Open House was to present the evaluation and preferred alternative to the public and request feedback.

Due to COVID-19, the second Open House was hosted online from August 6, 2020 to August 20, 2020, which allowed participants to review at their own pace. The Open House featured 24 display boards, which provided information about the Class Environmental Assessment Study for the Stouffville Water Upgrades, as well as an online survey to be completed by participants while they reviewed the boards.

B: NOTICES

Attached:

- Notification Letters and Distribution list
- Copy of Open House 2 notice

C: PARTICIPANTS

As this Open House was held online, there is no sign-in sheet.

Attached:

- Survey results

D: SUMMARY

The Open House featured 24 display boards, which provided information about the Class Environmental Assessment Study for the Stouffville Water Upgrades, as well as an online survey to be completed by participants while they reviewed the boards.

The results of the survey was provided to the project team to address any questions or comments received.

There were four completed surveys and two written comments. Participants lived within the water service area, within Whitchurch-Stouffville limits or not disclosed.

Participants were asked to provide their comments and feedback after the Open House using the online survey tool. There was a total of two comments received that required a response from the project team.

E: COMMENTS AND ISSUES

Summary of Key Issues and Feedback

The survey responses focused on these categories:

- **Approval regarding rehabilitation:** Two participants were in favour of maintaining and rehabilitating existing infrastructure rather than building new facilities.
- **Financial:** A participant is not sure if the preferred alternative is a good decision as there is no funding model included in the presented slides.
- **Uncertain:** One participant mentioned in the survey that there are still some items that are not clear to them:
 - What are the supply demands in the Town?
 - How was the storage requirements sized? How much was the Zone 2 storage shortage?
 - Is Zone 1 the higher TWL zone, hence the need for PRV to feed into Zone 2?
 - Is Zone 3 a closed system on pumps only?
 - Is Stouffville reservoir a Zone 2 reservoir?

Summary of Written Feedback

A total of two sets of written comments were received, both submitted via email. One set of comments are from a resident and the other set of comments are from a local advocacy group.

The received written comments can be summarized in the following categories:

- **Financial:** The resident was concerned that the “uncontrolled development is now being paid for by existing residents...”. The project team assured the resident that “the total cost of this program is estimated to be \$14.0 million. \$9.1 million will be funded through development charges as it supports growth and it will not impact the rate payers. \$4.9 million will be funded from rate reserves as they are needed improvements to the existing system and will be replacing expired infrastructure. That said, these are not increases to the existing rate model and are recovered within the existing rate recovery program.”
- **Safety and Health:** The resident is “quite concerned that there is a possibility of extending the life of wells 5&6. Unsupervised waste has been allowed again to be dumped very close to the wells.” This comment was submitted to Scott Lister for his response to the resident.
- A concerned advocacy group asked “**What, specifically are the natural environmental impacts of option 4 as per your evaluation criteria?**”
 - **Additional Site Footprint, Impact on Forests and Terrestrial wildlife:** The preferred solution will make use of the existing facility lands and will have a minimal impact on the natural environment
 - **Impact on emissions and climate change:** By making use of existing infrastructure, the preferred alternative has less impact on greenhouse gas emissions than alternatives based on new construction. This also takes into consideration reducing emissions related to manufacturing new building materials and extensive construction activity.
 - **Working with Toronto and Region Conservation Authority:** TRCA is one of the Environmental Assessment’s key agency stakeholders and they have been actively engaged in this project.
- **Environmental Oversight for water modelling has been dispense with using COVID-19 as an excuse:** York Region Water services are essential and continue to be uninterrupted as part of our emergency response to COVID-19. York Region has maintained source protection, effective treatment and continual monitoring during the pandemic to provide residents with safe drinking water.
- **Water Conservation:** York Region developed a Long Term Water Conservation Strategy in 2016 and reports progress on its implementation to the Ministry of Environment, Conservation and Parks on an annual basis. .
- **Salt Management Plan:** The Region’s transportation services maintains 4,000km of roadway and has developed a Salt Management Plan to ensure that the Region minimizes the amount of road salt entering the environment during winter maintenance operations. Because regulation and technology are constantly evolving the Plan is reviewed and updated regularly. Environmental Services has also been engaged in minimizing the use of salt by providing Smart About Salt training to staff and contractors.

Next Steps

By request from a participant, the display boards can be updated to include additional clarification.

The next steps in the project involves refining the preferred alternative and submitting the Notice of Completion and Project File Report. It is anticipated that this will occur in late 2020.

Attached:

- Survey Results
- Emailed comments

F: RESPONSES TO COMMENTS

Attached:

- Email responses to the written comments (two)

NOTICES and DISTRIBUTION LIST
Notification Letters

August 6, 2020

«Organization_»
«First_Name» «Last_Name»
«Position_»
«Address»
«CityProvPC»

Dear «Suffix» «First_Name» «Last_Name»:

Re: **Stouffville Water System Upgrades**
Municipal Class Environmental Assessment
Notice of Online Open House #2

York Region is undertaking a Schedule B, Municipal Class Environmental Assessment (Class EA) Study to review the long-term water supply and storage needs for the community of Stouffville.

At this stage of the study, we would like to invite you to review and provide comments on the recommended preferred solution. Project information and a brief questionnaire will be posted on york.ca/ea on August 6, 2020, and the questionnaire will be open until August 20, 2020. The Region is forwarding the enclosed Notice of Online Open House, signifying the formal announcement of this public contact.

Should you have any questions or require further information, please contact me at **1-877-464-9675** extension **75015**, or StouffvilleWater@york.ca

Sincerely,



Luis Carvalho, M.Sc.(Eng.), P.Eng., PMP
Senior Project Manager

cc: Steve O'Brien, TMIG

NOTICE OF ONLINE OPEN HOUSE

LEARN MORE!
HAVE YOUR SAY.

Stouffville Long-term Water Supply and Storage, Municipal Class Environmental Assessment Study

In the Community of Stouffville

August 6, 2020

York Region is reviewing long-term water supply and storage needs for the community of Stouffville through a Schedule B, Municipal Class Environmental Assessment (Class EA).

The 2016 York Region Water and Wastewater Master Plan Update identified the need for additional water storage and water supply capacity related to the approved growth in the community of Stouffville.

WE WANT TO HEAR FROM YOU!

York Region is hosting an online open house for Stouffville residents and stakeholders to review the project information and provide feedback on the preferred solution. The online open house will provide an opportunity for you to learn about the project at your own pace.

It will consist of information and a survey to review over a two week period. This open house is a follow-up to the open house held on November 23, 2017.

Online Open House: Beginning August 6, 2020, the open house materials will be available at york.ca/ea.

THANK YOU FOR YOUR PARTICIPATION IN THIS STUDY.

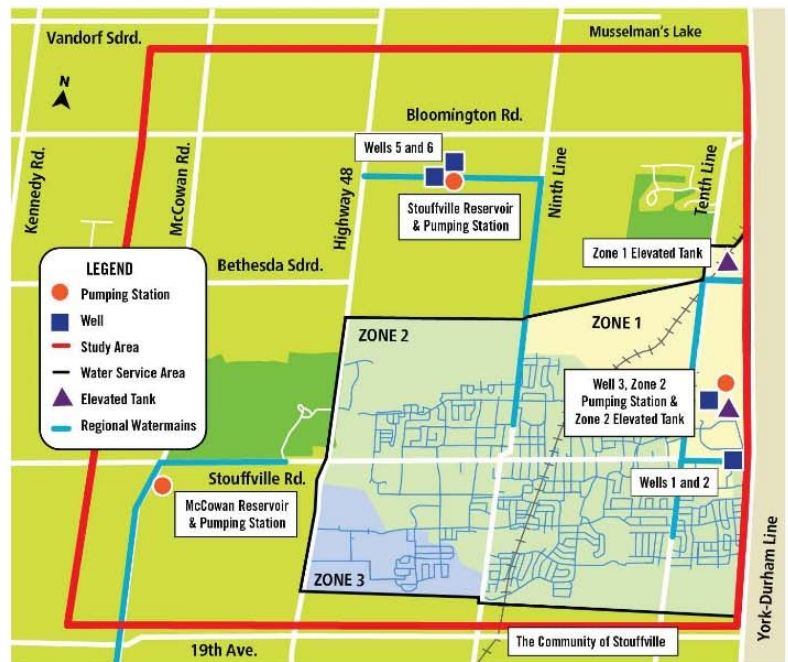
Please let us know if you require accommodations to participate. An accessible version of this notice is available upon request. This notice was issued on August 6, 2020

York Region's number one priority remains protecting the health and safety of staff and all our communities. As we monitor the ongoing COVID-19 situation in York Region, we continue to be committed to effective engagement and consultation with the public and stakeholders in accordance with the Municipal Class Environmental Assessment process.

To submit questions, comments or to be added to the mailing list, please contact:

Luis Carvalho, P.Eng, PMP
Senior Project Manager, Environmental Services
The Regional Municipality of York
17250 Yonge Street Newmarket, ON L3Y 6Z1
luis.carvalho@york.ca
1-877-464-9675 ext. 75015

Personal information submitted (e.g., name, address and phone number) is collected, maintained and disclosed under the authority of the *Environmental Assessment Act* and the *Municipal Freedom of Information and Protection of Privacy Act* for transparency and consultation purposes. Personal information you submit will become part of a public record that is available to the general public, unless you request that your personal information remain confidential.



Distribution List

Organization	First Name	Last Name	Email
Student Transportation Planners for York Region			keith.brown@ycdsb.ca niall.smith@ycdsb.ca
Toronto and Region Conservation Authority	Mary-Ann	Burns	maryann.burns@trca.ca
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Reesor's Market and Bakery	Jay	Reesor	reesors.info@gmail.com
SmileVille Dental		Daljeet	info@smilevilledental.ca
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York District Public School Board	Elizabeth	Terrell-Tracey	egws@yrdsb.ca
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Town of Whitchurch-Stouffville Fire Department	Linda	Lipka	wsfes@townofws.ca
York Region Emergency Medical Services	Susan	Wood	paramedics@york.ca
York Region Police			info@yrp.ca
Ministry of the Environment, Conservation and Parks - Notice of Completion			MEA.Notices.EAAB@ontario.ca
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Curve Lake First Nation	Kaitlin	Hill	KaitlinH@curvelake.ca
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Sleepy Hollow Golf & Country Club	Brad	Dove	info@sleepyhollowgolf.on.ca
Spring Lakes Golf Club	Jim	Hargrave	jim@springlakesgolf.com
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Blackstock Leather Inc.	Stephen	Manchee	info@blackstockleather.com
Custom Gem Cutting Ltd.	Rudi	Wobito	rudi@wobito.com
The Pump House	Brad	Hallam	bradman@onestop-pumpshop.ca
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Friends of the Greenbelt Foundation	Lorenzo	Catuzza	Yndolker@greenbelt.ca
Ontario Federation of Agriculture			york@ofa.on.ca
S.T.O.R.M. (Save The Oak Ridges Moraine)			debbeday@rogers.com
Stouffville Chamber of Commerce			carol@stouffvillechamber.ca karen@stouffvillechamber.ca
York Region Cycling Coalition			info@OnTheRoadWithRespect.ca
York Region Environmental Alliance	Gloria	Marsh	gloria@yrea.org
York Simcoe Naturalists			yorksimcoenatureclub@gmail.com
Fairgate Homes	Tony	Mauro	sales@fairgatehomes.com
Far Sight Homes	Bob	Schickedanz	bobs@farsight.ca
Kaitlin Corporation	Bill	Daniell	info@kaitlincorp.com
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Teva Canada Limited			karen.brooker@tevacanada.com
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Stakeout Dining Room & Lounge	Roger	Vieira	info@stakeoutdining.com
Symposium Cafe Restaurant & Lounge	Ismael	Jimenez	stouffvillesymposium@gmail.com
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Bell Canada			bell.moc@netricom.com
Enbridge Gas Distribution			mark-ups@enbridge.com
Hydro One			tpumarkup@hydroone.com
Rogers Communications			yorkcirculations@rci.rogers.com
TransCanada Pipelines	Darlene	Presley	darlene@lehmanplan.ca
Applewood Farm Winery	Matt	Passafiume	info@applewoodfarmwinery.com
Applewood Farm Winery	Frank	Passafiume	applewoodfarm@hotmail.com
Gallucci Winery	Anne	Marie Piro	annemariepiro@gallucciwinery.com
Willow Springs Winery	Sheriden	Huang	info@willowspringswinery.ca
Wine Wine Wine	Roc	Schlegge	roc@winewinewine.ca
Town of Whitby	Deanna	Schlosser	planning@whitby.ca

SIGN IN SHEET

Survey results

Respondent ID	Collector ID	Start Date	End Date	IP Address	Email Address	First Name	Last Name	Custom Data 1	Where do you live?		What do you like about the preferred alternatives?	Do you have any other questions or feedback you'd like to share with the team?
									Response	Other (please specify)	Open-Ended Response	Open-Ended Response
11912126665	264445296	2020-08-18 13:33:59	2020-08-18 13:34:19	72.141.115.36					Within Whitchurch-Stouffville limits			
11885080950	264445296	2020-08-08 20:13:36	2020-08-08 20:18:55	159.18.129.251					Within Whitchurch-Stouffville limits		Without knowing the funding model and cost to us the residents how are we to make a good decision.	With this EA should be a cost which anyone would need to make a good decision.
11877919804	264445296	2020-08-06 19:33:41	2020-08-06 20:46:27	72.140.77.103					Other (please specify)	York Region	The preferred solutions maximizes the use of existing infrastructure eliminating/delaying the need for extensive capital investment.	The following were not very clear to me in the presentation: - What are the supply demands in the Town? - How was the storage requirements sized? How much was the Zone 2 storage shortage? - Is Zone 1 the higher TWL zone, hence the need for PRV to feed into Zone 2? - Is Zone 3 a closed system on pumps only? - Is Stouffville reservoir a Zone 2 reservoir? Please label it to be clear.
11876478749	264445296	2020-08-06 14:41:16	2020-08-06 14:44:58	99.244.64.212					Within the water service area		I like that the alternatives are about maintaining and rehabbing	
11852505308	264445296	2020-07-31 20:26:21	2020-07-31 20:26:50	173.32.8.135					Within the water service area		test	test

PRESENTATION SLIDES

STOUFFVILLE WATER SYSTEM UPGRADES

Stouffville Long-term Water Supply and Storage
Municipal Class Environmental Assessment Study—Online Open House
Phase 2 Public Consultation

Date Published: August 6, 2020

Open to public comments until August 20, 2020



Guidance for reviewing the information

Public Consultation is mandatory during the Class Environmental Assessment Process

This information package represents the second public consultation for the Stouffville Water System Upgrades Class EA

- Please review this information package
- Please provide feedback to the project team, either with the interactive survey online, provided form by email or by phone to the Project Manager by July 23, 2020
- Any comments received will become part of the public record.
- If you would like a physical copy of these slides or to provide feedback, please contact:

Luis Carvalho, P.Eng., PMP., Senior Project Manager
luis.carvalho@york.ca

Phone: 1-877-464-9675 ext. 75015

Study Background

York Region is conducting a Schedule “B” Municipal Class Environmental Assessment (Class EA) to consider the water storage and water supply needs due to approved growth in the Community of Stouffville.

Growth in the community of Stouffville

With growth in the community of Stouffville, York Region is reviewing the water supply and storage needs to 2041.

York Region Water Infrastructure

York Region is reviewing the current water supply service to ensure supply and storage infrastructure is available to accommodate the community’s long-term needs.



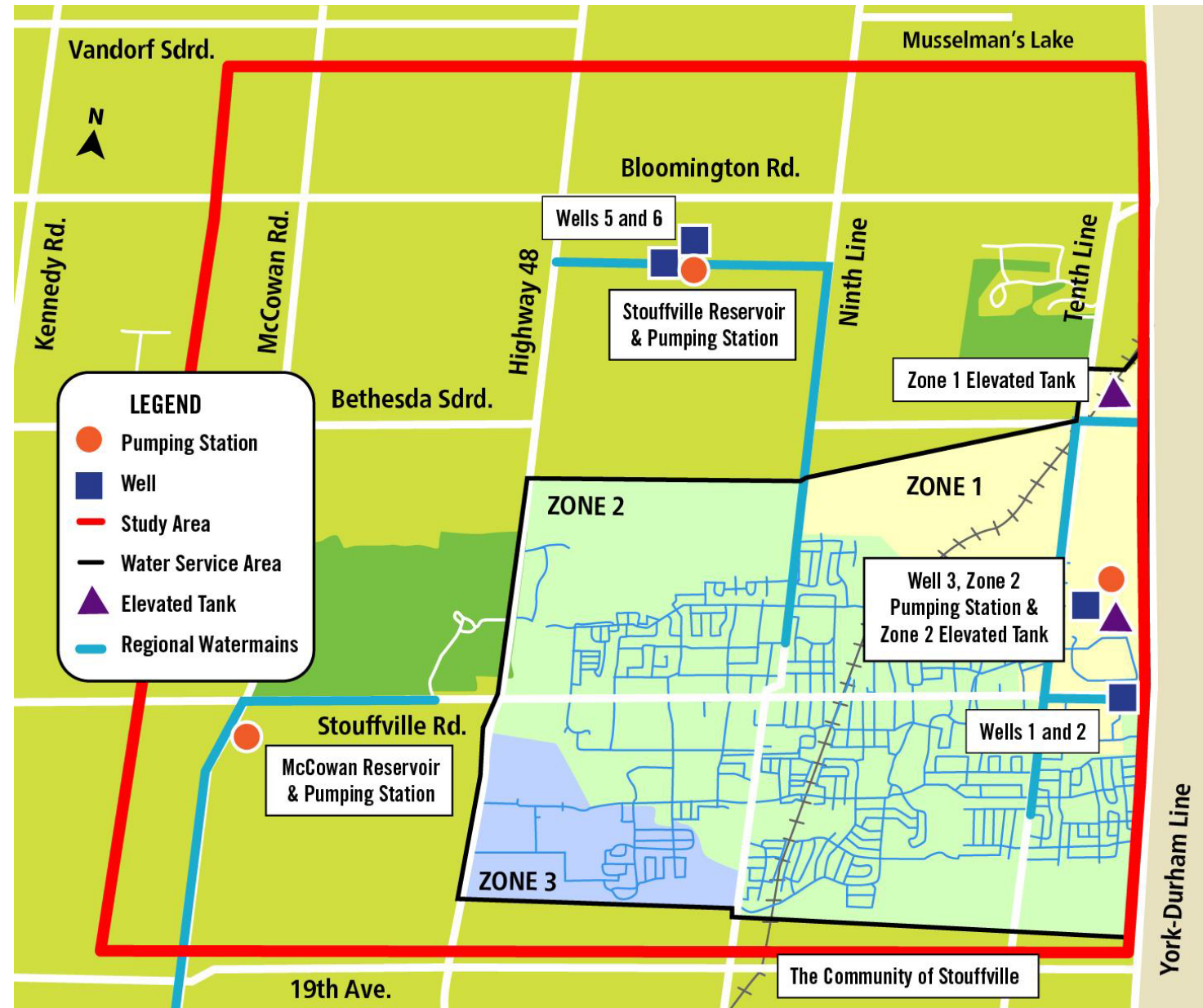
What is a Municipal Class Environmental Assessment?

A Municipal Class Environmental Assessment Study is an evaluation of the possible positive and/or negative effects of a municipal infrastructure project on the surrounding community.

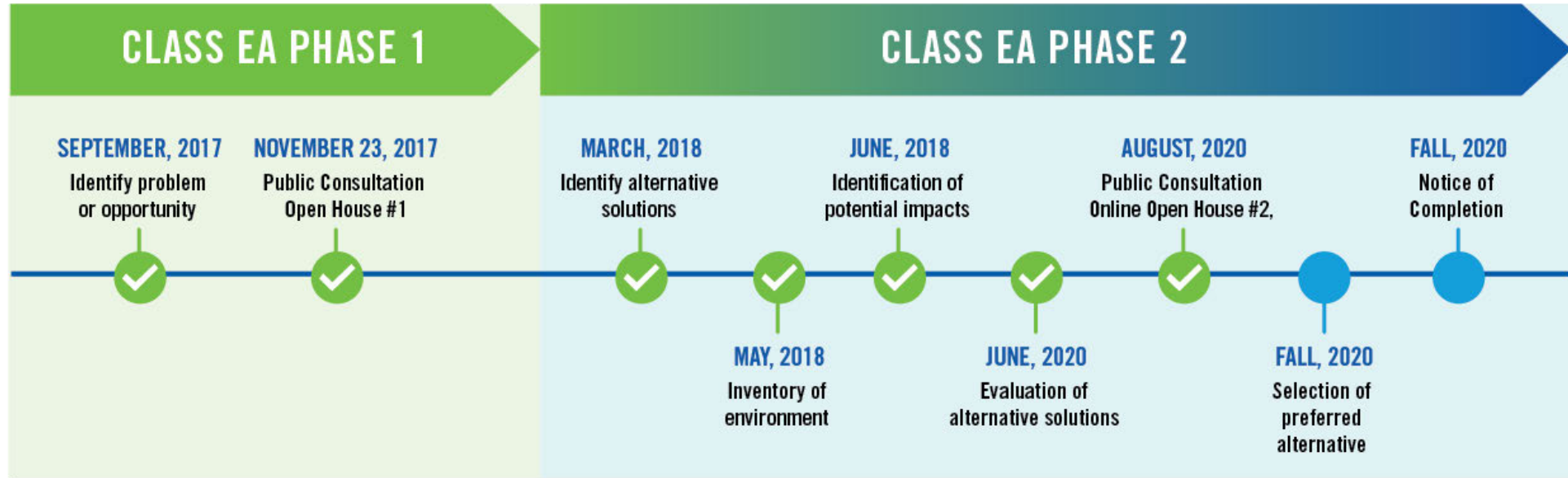
Class EA Study Area

The Class Environmental Assessment (EA) Study Area includes the water service area and the lands that could be impacted by any new facilities.

The Class EA Study Area is within the Town of Whitchurch-Stouffville limits.



Where are we in the EA process?



York Region met with the public for the first Open House on November 23, 2017. Since then, we have:

- ✓ Completed a detailed review of water supply and storage needs
- ✓ Confirmed the Region's intent to maintain the supply wells where feasible
- ✓ Elaborated on the previously-identified alternatives
- ✓ Evaluated the alternative solutions based on technical merit and potential socio-cultural and environmental impacts
- ✓ Completed evaluation of alternatives to determine preferred alternatives

Problem Statement

Environmental Assessments must have clear problem statements.
The problem statement for this EA is:

“The 2016 York Region Water and Wastewater Master Plan Update identified the need to construct additional water storage infrastructure in Zone 2 (elevated tank) and additional inter-zone water supply capacity (pumps and valves). The current water storage and supply infrastructure is reaching the end of their service life and new infrastructure is needed.

The goal is to meet the long-term supply and storage needs for all three Stouffville water pressure zones while also considering what will best meet the needs of York Region and the community. Providing service to 2041 may require an increase in the storage volumes.”

What does this mean for you?

There is not enough water storage capacity to service growth in Stouffville and existing facilities are nearing the end of their service life.

The Class EA process will assess the water supply and water storage alternatives and recommend preferred alternative solutions.

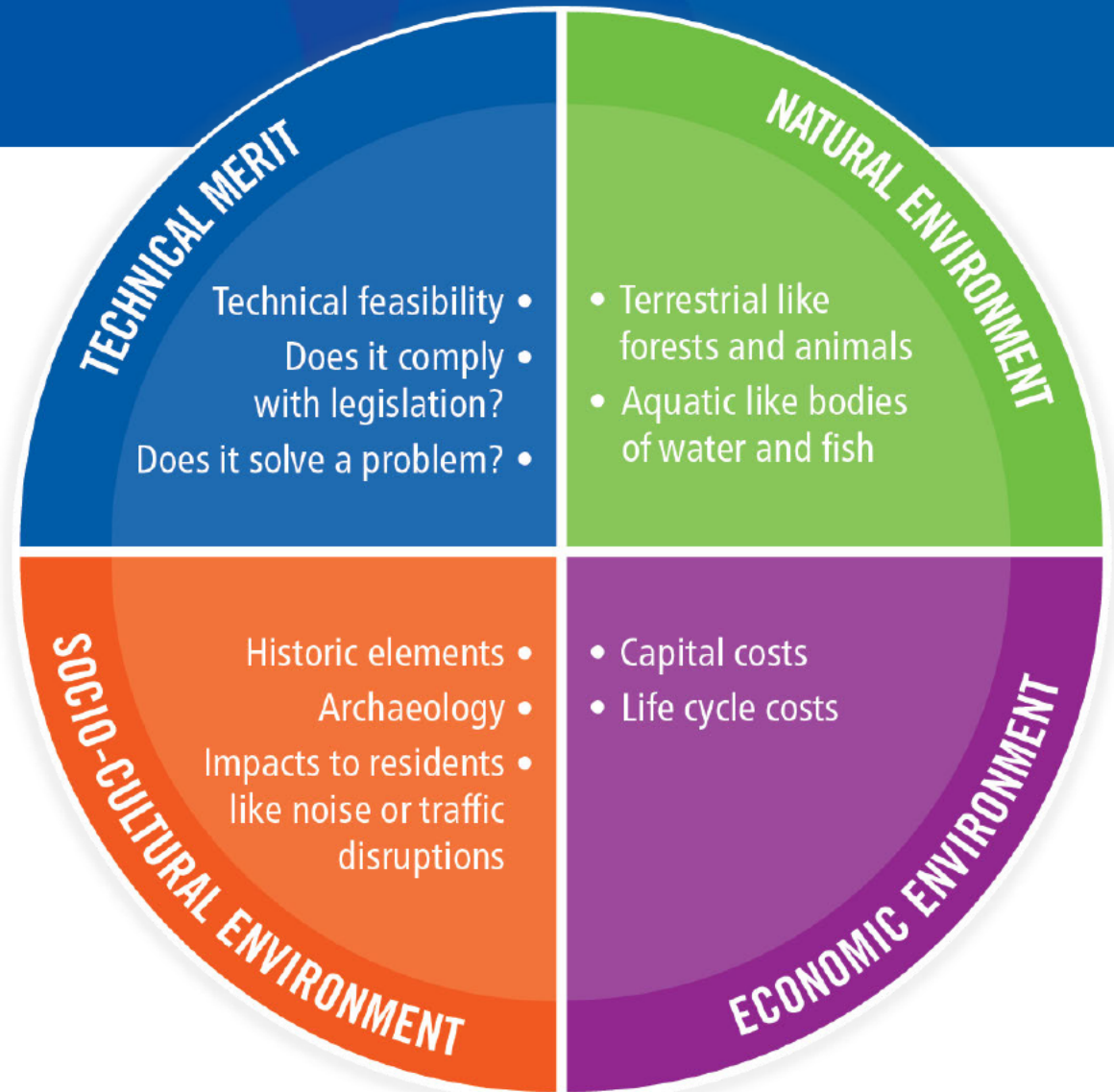
The Class EA Process Explained

As part of the Class EA process, a list of options (called “alternative solutions”, or “alternatives” for short) that could provide resolution to the problem statement are created.

These alternatives are then evaluated based on 4 types of criteria: technical, natural environment, socio-cultural, and economic.

Through the Class EA process, there are several opportunities for you to provide input. For this project, the following opportunities have occurred or are occurring:

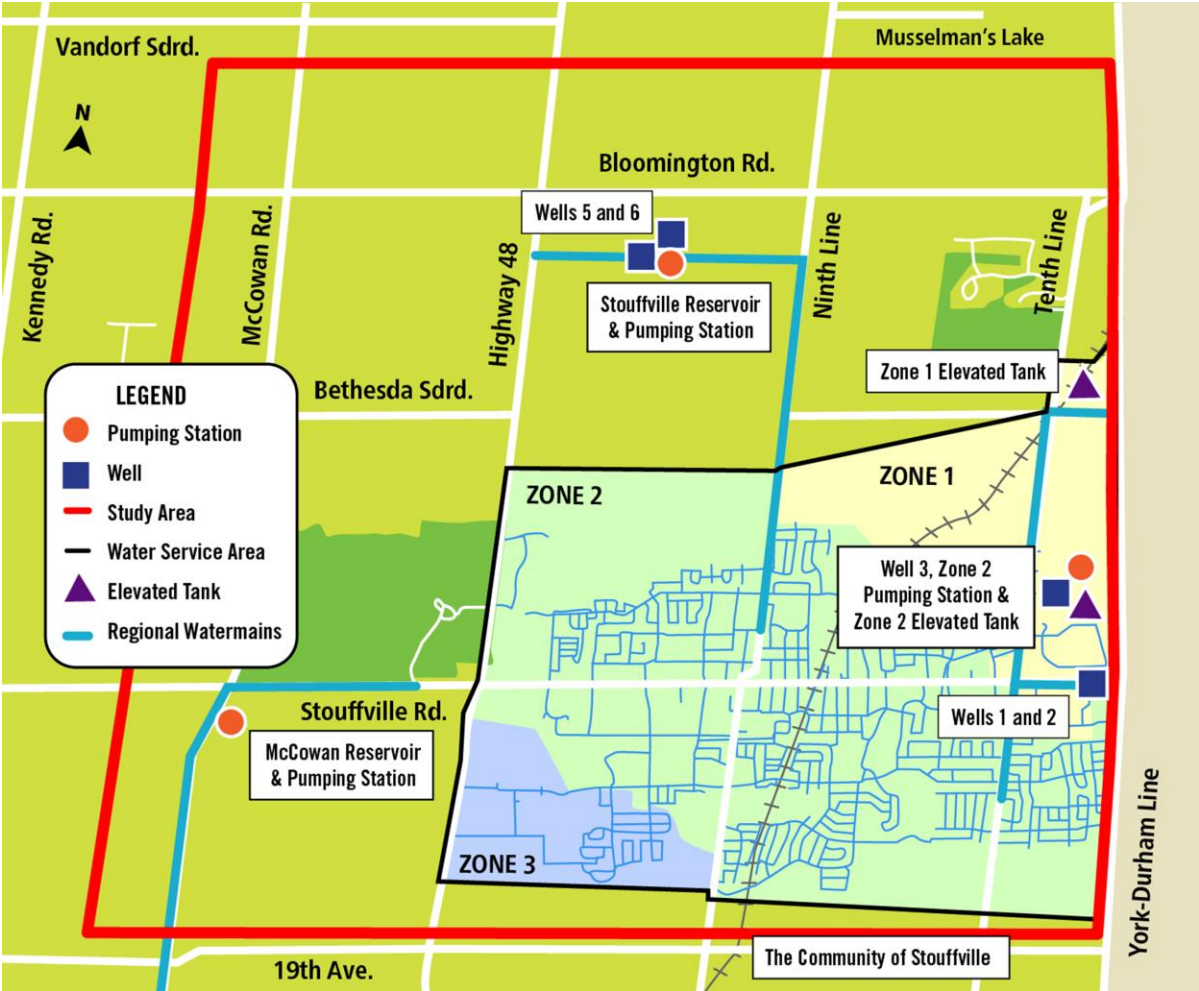
- Notice of Commencement (issued November 2017)
- Phase 1 Consultation: In-person Open House and occurred on November 23, 2017
- Phase 2 Consultation: **This Online Open House**
- Notice of Completion: Fall 2020



These are some of the typical considerations when alternatives are being evaluated.

Existing Water Storage Facilities

York Region is responsible for water storage facilities. To be able to understand what York Region’s future water storage needs are, we first need to know what we already have.



Current Water Storage:

Infrastructure	Year Constructed	Volume (m³)
Stouffville Reservoir (East Cell)	1967	2,136
Stouffville Reservoir (West Cell)	1967	2,996
Zone 1 Elevated Tank (Water Tower)	2007	6,140
Zone 2 Elevated Tank (Water Tower)	1983	3,400
TOTAL		14,672

m³= cubic metres

Future Water Storage Needs

As facilities age we need to maintain or replace the water storage capacity. As Stouffville grows, new facilities may be needed.

We also need to consider at what point do we stop reinvesting in aging facilities in favour of constructing new (and usually upgraded) facilities.

The Class EA study horizon considers storage needs up to 2041. We know that:

- Zone 1 Storage Volumes are adequate through 2041
- Zone 2 Storage Volumes are adequate until 2021. To provide the required storage to 2041 in Zone 2, York Region has considered the following to meet the service needs:
 - Pumping excess Zone 1 storage to Zone 2 as needed
 - Rehabilitate or replace the Stouffville Reservoir (current service life to about 2028)
 - Rehabilitate or replace Zone 2 Elevated Tank (current service life to about 2034)

Service life is the expected amount of time infrastructure can be used before needing to be replaced or rehabilitated

Water Storage Alternatives

The following Storage Alternatives were identified and reviewed in detail through the evaluation process:

1. Do Nothing*	Maintain existing storage system and reinvest in existing storage facilities, as necessary.
2. Limit Community Growth*	Limit growth so that additional storage facilities are not needed.
3. Implement Water Conservation	Defer capital investments in new storage facilities.
4. Facilitate Shared <u>Fire Storage</u>	Provide the needed fire storage to Zone 2 from excess fire storage in Zone 1 <i>This Alternative can be undertaken in several ways, and a series of sub-alternatives was developed (see next board)</i>

**These alternatives are always considered in Class EA Processes, as a 'baseline', by which the other solutions can be compared.*

What is Fire Storage?

York Region must be able to provide a specific amount of water at any time in the event of an emergency like a fire. This volume is calculated based on location and other factors (like how many homes are in an area), and is used when determining the volume of water a water tower is designed to hold.

Detailed Water Storage Alternatives

The following Storage Alternatives were identified and reviewed in detail through the evaluation process:

Option 4 - Facilitate Shared Fire Storage, was broken down into 4 different overarching alternatives, and each of those were broken down into different options, where applicable

A. No new storage facilities

i. Upgrade Stouffville Reservoir (west cell), maintain Zone 2 Elevated Tank; retire east cell of the Stouffville Reservoir; construct new pressure reducing valve (PRV) chamber

ii. Upgrade Stouffville Reservoir (east and west cells); maintain Zone 2 Elevated Tank; construct new PRV chamber

B. Retire Zone 2 Elevated Tank

i. Build a new storage facility, upgrade Stouffville Reservoir (west cell); retire east cell of the Stouffville Reservoir; construct new PRV Chamber

ii. Build a new storage facility; upgrade both cells at Stouffville Reservoir

C. Retire Stouffville Reservoir and High Lift Pumping Station (HLPS).

i. Build a new storage facility; maintain Zone 2 Elevated Tank; retire Stouffville Reservoir (both cells) and construct a new PRV chamber

D. Retire Stouffville Reservoir, High-Lift Pumping Station (HLPS) and Zone 2 Elevated Tank.

i. Build a new storage facility; retire Stouffville Reservoir (both cells); retire Zone 2 Elevated Tank and construct new PRV Chamber

Storage Alternative A — No New Storage Facilities

Option 4 - Facilitate Shared Fire Storage – Storage Alternatives “A”

i) includes:

- Upgrade the West Cell of the Stouffville Reservoir
- Retire the East Cell of the Stouffville Reservoir
- Rehabilitate the Zone 2 Elevated Tank
- Construct new PRV chamber to facilitate sharing the excess storage from Zone 1

ii) includes:

- Upgrade the West and East Cell of the Stouffville Reservoir
- Rehabilitate the Zone 2 Elevated Tank
- Construct new PRV chamber to facilitate sharing the excess storage from Zone 1

Storage Alternative B — Retire Zone 2 Elevated Tank

Option 4 - Facilitate Shared Fire Storage – Storage Alternatives “B”

i) includes:

- Upgrade the West Cell of the Stouffville Reservoir
- Retire the East Cell of the Stouffville Reservoir
- Retire Zone 2 Elevated Tank
- Build new storage facility at the existing Zone 2 elevated tank location or at the Stouffville Reservoir location
- Construct new PRV chamber to facilitate sharing the excess storage from Zone 1

ii) includes:

- Upgrade the West and East Cell of the Stouffville Reservoir
- Build new storage facility
- Retire Zone 2 Elevated Tank
- Construct new PRV chamber to facilitate sharing the excess storage from Zone 1

Storage Alternative C — Retire Stouffville Reservoir and High Lift Pumping Station (HLPS)

Option 4 - Facilitate Shared Fire Storage – Storage Alternatives “C”

i) includes:

- Retire the West and East Cell of the Stouffville Reservoir
- Build new storage facility
- Rehabilitate the Zone 2 Elevated Tank
- Construct new PRV chamber to facilitate sharing the excess storage from Zone 1

Storage Alternative D — Retire Stouffville Reservoir, High-Lift Pumping Station (HLPS) and Zone 2 Elevated Tank

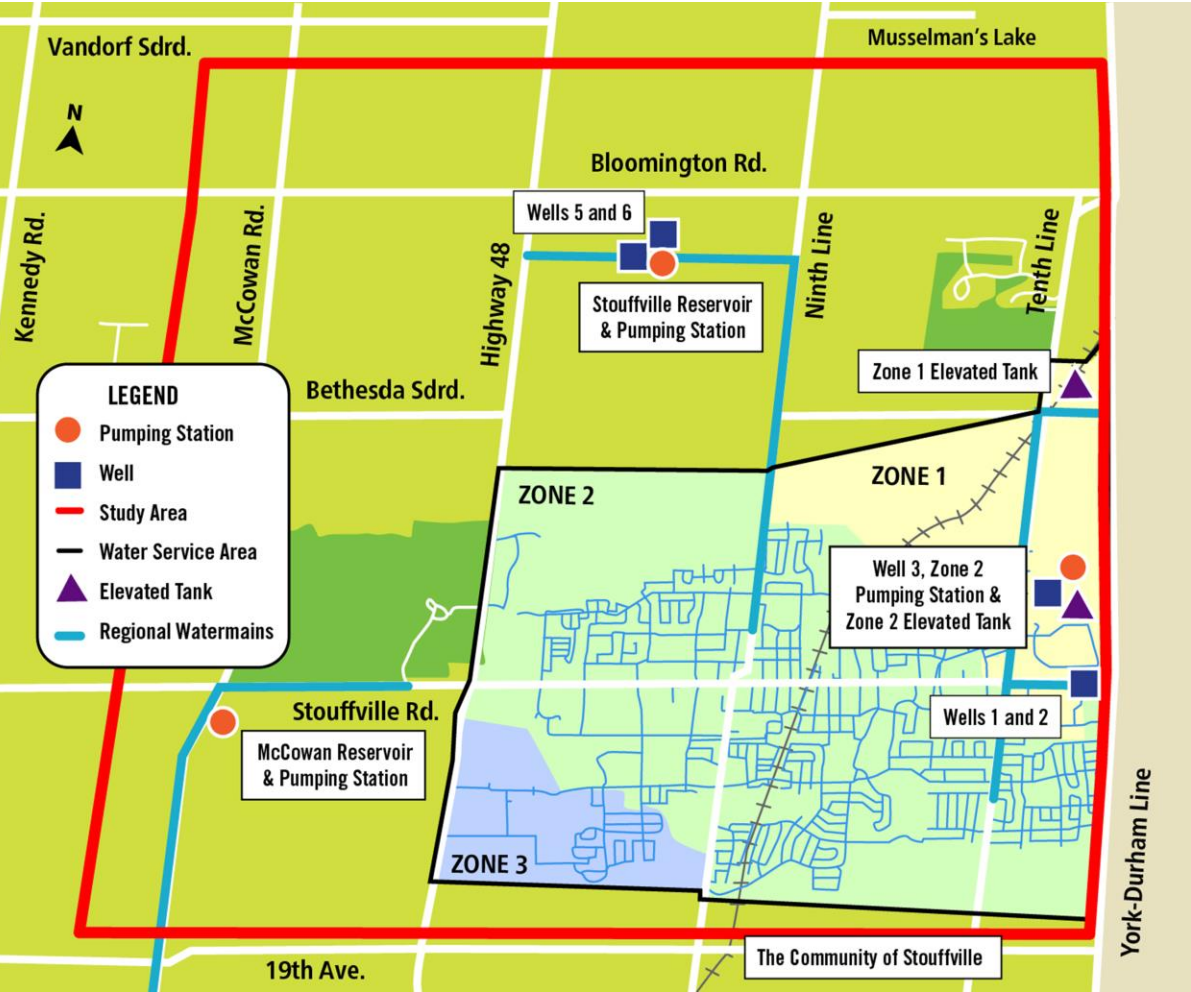
Option 4 - Facilitate Shared Fire Storage – Storage Alternatives “D”

i) includes:

- Retire the West and East Cell of the Stouffville Reservoir
- Retire the Zone 2 Elevated Tank
- Build new storage facility
- Construct new PRV chamber to facilitate sharing the excess storage from Zone 1

Existing Water Supply

York Region is responsible for water supply. To be able to understand what York Region’s future water supply needs are, we first need to know what we already have.



Current Water Supply Capacity

- Five groundwater supply wells
- Existing lake-based supply from the McCowan Reservoir and Zone 2 Pumping Station (PS)

Infrastructure	Year Constructed	Permitted Capacity (m ³ /d)
Well No. 1	1999	2,946
Well No. 2	1999	2,946
Well No. 3	1983	2,946
Well No. 5	1967	3,110
Well No. 6	1967	2,290
Stouffville Zone 2 Pumping Station	2009	15,000
TOTAL		29,238
FIRM CAPACITY		26,128

“Firm capacity” considers the capacity to the system assuming that the largest well is not available (for example: shut down for scheduled maintenance)
“Permitted Capacity” considers the maximum allowable capacity from the Ministry-issued Permit To Take Water (PTTW)
m³/d = cubic metres per day

Future Water Supply Needs

As facilities age, we need to maintain or replace the capacity of the water supply infrastructure.

The Class EA considers water supply needs up to 2041. We know the following:

Wells 1 and 2:


- Service life extends beyond the horizon of this study (2041)
- *No immediate need to consider any changes to this water source*

Wells 3:

- Expected Service life roughly coincides with study horizon (2043)
- Observed decreasing well production over time, requiring more frequent maintenance activities
- *Class EA should consider alternatives to this water source*

Wells 5 and 6:

- Service life extends to 2027
- *No immediate need to consider any changes to this water source*



Although Wells 5 & 6 have a service life that extends to 2027, with regular maintenance and rehabilitation these Wells are expected to provide required capacity for the EA horizon (2041)

Water Supply Alternatives

The following Supply Alternatives were identified and reviewed in detail through the evaluation process:

1. Do Nothing*	Maintain existing supply system and rehabilitate existing wells, as necessary.
2. Limit Community Growth*	Limit growth to the capacity of the existing supply.
3. Implement Water Conservation	Defer capital investments in new supply facilities by reducing demand
4. Retire Well 3	Replace this supply capacity at an existing well site (either as a new well, or by increasing the supply capacity of a combination of the other four wells)

**These alternatives are always considered in Class EA Processes, as a 'baseline', by which the other solutions can be compared.*

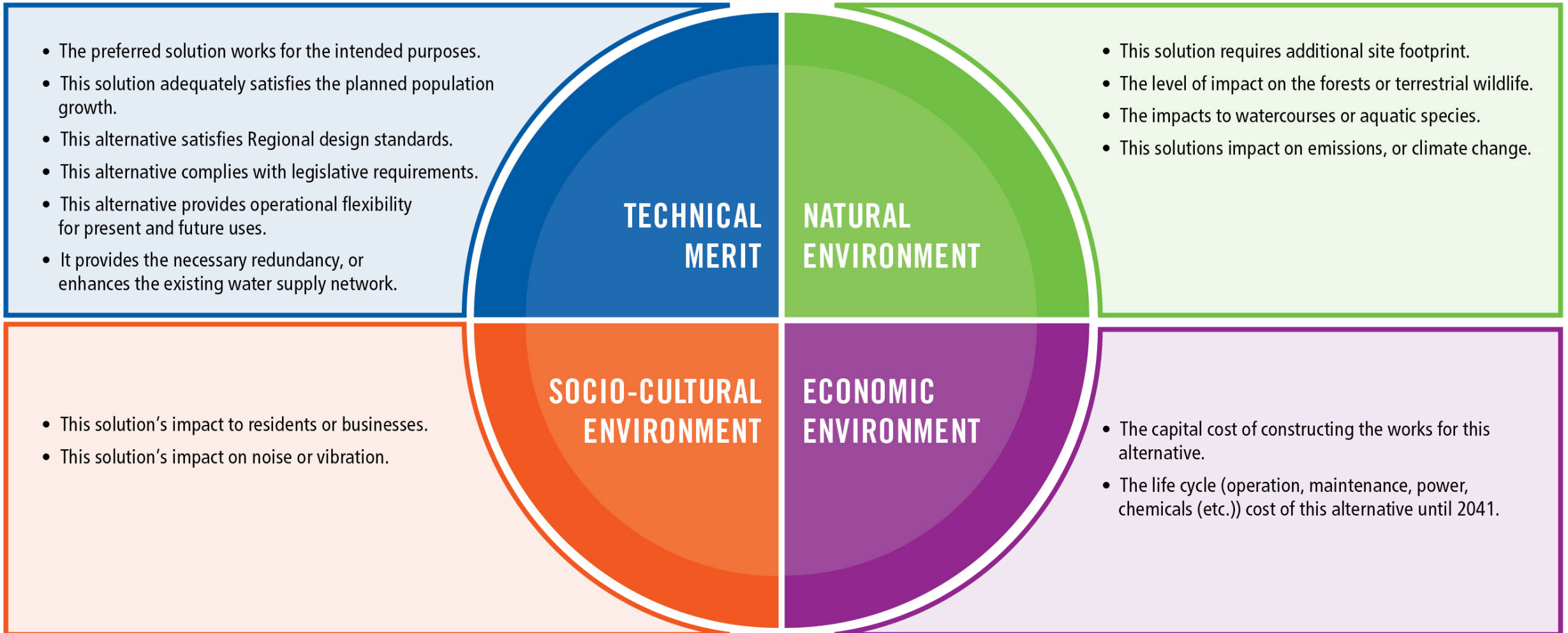
Supply Alternative 4 — Retire Well 3

Supply Alternative 4 includes:

- Retire Well 3
- Upgrade existing wells to replaces the Well 3 supply

Evaluation Criteria

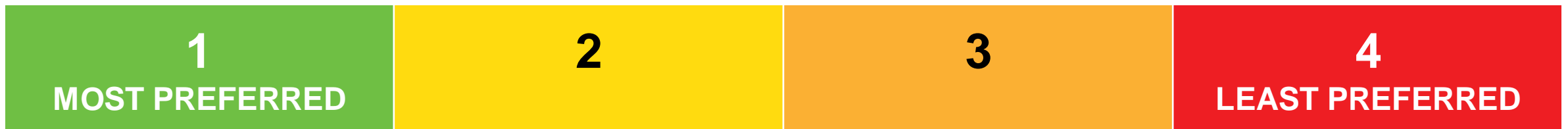
The evaluation criteria developed for this EA are summarized in this graphic:



Evaluation Methodology

How do I interpret the results?

- All alternatives were evaluated using technical, socio-economic, environmental and economic criteria shown on the previous slide.
- Each alternative received a score between 1 and 4 for each criterion.
- A score of 1 represents lowest impact / most preferred
- A score of 2 represents moderate impact / somewhat preferred
- A score of 3 represents high moderate impact / somewhat least preferred
- A score of 4 represents greatest impact / least preferred
- **All criteria are valued equally.**
- **The overall score for each alternative is the average of the evaluation criteria scores.**



Water Storage Evaluation Summary

All water storage alternatives were evaluated based on the evaluation criteria and the summary of scores is below.

Alternative	Technical Feasibility	Satisfies Planned Growth	Satisfies Design Standards	Complies with Legislative Regulations	Provides Operational Flexibility	Impact on Natural Environment	Impact on Socio-Cultural Environment	Capital Costs	Life Cycle Costs	SCORE
1. Do Nothing	4	4	4	1	4	1	2	1	1	2.44
2. Limit community growth	4	4	3	1	4	1	4	1	1	2.56
3. Implement Water Conservation	4	4	4	1	4	1	2	1	1	2.44
4. a) i) Rehabilitate 1 reservoir cell and Zone 2 ET	1	1	1	1	1	1	2	2	2	1.33
4. a) ii) Rehabilitate both cells and Zone 2 ET	1	1	1	1	1	1	2	2	3	1.44
4. b) i) Build new storage, rehabilitate 1 reservoir cell, retire Zone 2 ET	1	1	1	1	1	1	2	3	3	1.56
4. b) ii) Build new storage, rehabilitate both reservoir cells, retire Zone 2 ET	1	1	1	1	3	3	2	1	1	1.56
4. c) i) Build new storage, retire Stouffville reservoir cells, rehabilitate Zone 2 ET	1	1	2	1	1	3	2	4	4	2.11
4. d) i) Build new storage, retire Stouffville reservoir, retire Zone 2 ET	1	1	2	1	3	3	2	4	4	2.33

The preferred alternative is Alternative 4 a) i) with a score of 1.33

This alternative allows for rehabilitation and maintenance of existing infrastructure.

1 MOST PREFERRED	2	3	4 LEAST PREFERRED
---------------------	---	---	----------------------

Water Supply Evaluation Summary

All water supply alternatives were evaluated based on the evaluation criteria and the summary of scores is below.

Alternative	Technical Feasibility	Satisfies Planned Growth	Satisfies Design Standards	Complies with Legislative Regulations	Provides Operational Flexibility	Impact on Natural Environment	Impact on Socio-Cultural Environment	Capital Costs	Life Cycle Costs	SCORE
1. Do Nothing	1	1	1	1	1	1	2	2	2	1.3
2. Limit community growth	1	1	1	1	1	1	2	2	2	1.3
3. Implement Water Conservation	1	1	1	1	1	1	2	2	2	1.3
4. Expand existing wells	1	1	1	1	1	3	3	3	3	1.9

The preferred alternative is Alternative 1 with a score of 1.3

This alternative was selected as it allows for upgrading the existing wells to maintain current capacity.

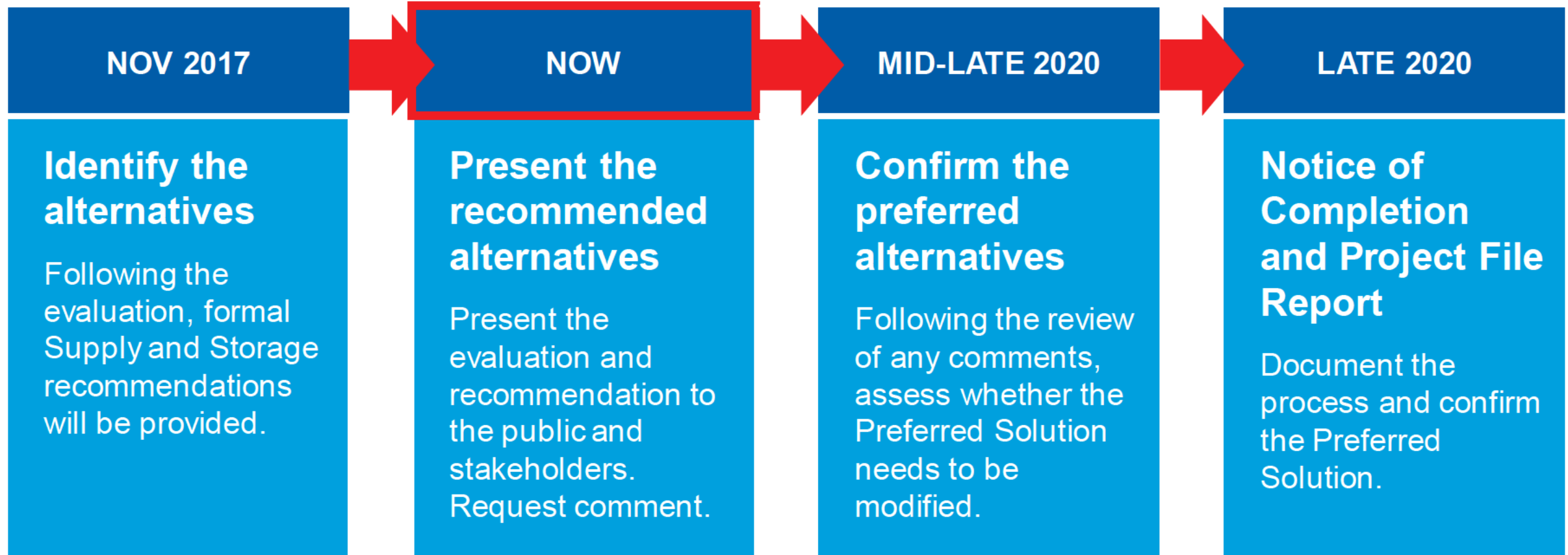
Limit community growth and implement water conservation can also occur under the “Do Nothing” alternative.

The “Do Nothing” alternative does not mean no work will be completed. It means York Region can rehabilitate and extend the service life of the infrastructure

1 MOST PREFERRED	2	3	4 LEAST PREFERRED
---------------------	---	---	----------------------

Next Steps in the Class EA Process

The next steps in the Class EA process are to confirm the preferred alternatives and to file the Notice of Completion and Project File Report



Thank you for taking the time to participate in our Online Open House.

Your feedback is very important. Let us know what you think.

Complete the interactive survey

The interactive survey is available online. All responses will be reviewed and considered. All responses will become part of the public record and Project File Report.

Follow the process.

Information will be updated on the Region's website: york.ca/ea

Comments or questions can also be directed to:

Luis Carvalho, P.Eng., PMP, Project Manager

Email: StouffvilleWater@york.ca

Phone: 1-877-464-9675 x 75015



ORIGINAL COMMENTS

August 14, 2020

Luis Carvalho, M.Sc.(Eng.), P.Eng., PMP
Senior Project Manager
E: luis.carvalho@york.ca
T: 1-877-464-9675 x 75015



85 DARIOLE DRIVE
RICHMOND HILL, ON L4E 0Z4

RE: STOUFFVILLE WATER SYSTEM UPGRADES

The option recommended in this EA study appears to be the best alternative. However, there are questions YREA would like clarified:-

What, specifically are the natural environmental impacts of option 4 as per your evaluation criteria?

- Additional site footprint
- Impact on forests and terrestrial wildlife
- Impact on water courses & aquatic species
- Impact on emissions & climate change

Was TRCA consulted and did they provide input on this matter?

Environmental oversight for water monitoring has been dispensed with using Covid19 as an excuse. It is critical to our waterways, ecosystem health and downstream communities that water quality and other environmental parameters are monitored regularly and reported. Without due diligence we would be setting ourselves up for another Walkerton crisis to compound the existing pandemic.

Increased water capacity will lead to increase urbanization resulting in more roads, paving and salt runoff. It has been reported that southern Ontario's rivers, streams and waterways can be as saline as the ocean -<https://www.cbc.ca/news/canada/toronto/some-of-ontario-s-waterways-are-now-as-salty-as-the-ocean-wwf-canada-says-1.5181830>. Education regarding salt alternatives as well as water conservation would be worthwhile initiatives. In this capacity, York Region Environmental Alliance (YREA) has raised awareness of these issues through our [CLEAN WATER](#) campaign and newsletters. Please review YREA newsletters which address salt alternatives: <https://conta.cc/2FPAIRX> and residential water conservation: <https://conta.cc/2CkpFR9>. Most elected officials in York Region and many staff received YREA's e-news. However, because of its restrictive communication portal, Stouffville unfortunately does not. Please feel free to pass these on to relevant individuals.

The per capita use of water averages between 280 litres to over 300litres/day. I can attest that implementing the water conservation measures YREA suggests can reduce consumption to 134litres/day. Salt reduction & water conservation measures need to be advocated by York Region and put in practice for residents, industries and businesses in all municipalities.

Sincerely

Gloria Marsh, Executive Director
York Region Environmental Alliance

Partnering for a greener planet

T: 289-234-1524 (private/direct)

E: gloria@yrea.org

Cassandra Leal

From: Kevin Brown
Sent: August 24, 2020 8:19 AM
To: Cassandra Leal
Subject: FW: Stouffville Water Supply EA - Comments from [REDACTED]

Can you record and file, please?

Kevin Brown, P.Eng.
TMIG | TYLI
p: +1.905.738.5700 x247
m: +1.416.843.4689

From: Carvalho, Luis <Luis.Carvalho@york.ca>
Sent: Wednesday, August 19, 2020 2:08 PM
To: Steve O'Brien <sobrien@tmig.ca>; Kevin Brown <kbrown@tmig.ca>
Cc: Munro, Courtney Rose <CourtneyRose.Munro@york.ca>
Subject: Stouffville Water Supply EA - Comments from [REDACTED]

Below is an email from a resident and a response to the financial portion of the email. Please include in the project file.

From: Carvalho, Luis
Sent: Monday, August 17, 2020 2:54 PM
To: [REDACTED]
Cc: Courtney Rose Munro (<CourtneyRose.Munro@york.ca>) <CourtneyRose.Munro@york.ca>
Subject: RE: Water Study

Dear [REDACTED]

I've asked the Scott Lister, the Region's program manager for source water protection, to follow up with you on your concerns related to wells 5&6.

In regard to your second concern, the total cost of this program is estimated to be \$14.0 Million. \$9.1 Million will be funded through development charges as it supports growth and will not impact rate payers. \$4.9 Million will be funded from rate reserves as they are needed improvements to the existing system and will be replacing expired infrastructure. That said, these are not increases to the existing rate model and are covered within the existing rate recovery program.

Thank you for your email and sharing your concerns which we hope to fully address shortly.

Regards

Luis Carvalho

Luis Carvalho M.Sc.(Eng.) P.Eng. PMP | Senior Project Manager, Capital Planning and Delivery, Environmental Services

The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1
O: 1-877-464-9675 ext. 75015 | **C:** 905-806-5536 | Luis.Carvalho@york.ca | www.york.ca

From: StouffvilleWater <StouffvilleWater@york.ca>
Sent: Thursday, August 13, 2020 3:38 PM
To: Carvalho, Luis <Luis.Carvalho@york.ca>
Subject: FW: Water Study

FYI – this will need a response.

Courtney

From: [REDACTED]
Sent: Wednesday, August 12, 2020 1:11 PM
To: StouffvilleWater <StouffvilleWater@york.ca>
Subject: Water Study

In reviewing the on-line water study, I was quite concerned that there was the possibility of extending the life of wells #5 & #6. Unsupervised waste has been allowed again to be dumped very close to the wells. Does the town not remember the Stouffville water pollution problem many years and ago and the real health concerns that arose from the study. It was bad enough that Harris made a law that all records of the study had to be destroyed due to how bad the health concerns were. I am telling everyone that will listen about the real history that the current leadership and planning process is ignoring.

Additionally, the uncontrolled development is now being paid for by existing residents, but Emerson promised that development would pay for itself. Now the study is saying we will not have enough capacity in a few years due to development. Let the new homes pay for the expansion!.

I have a real problem with, and view it as dishonest, that the assumption being built into this planning is that the town people agreed to the expansion and the history is being denied, It was a top down decision. But we are now paying for one aspect of it. At least the town could be honest about why we will be asked to pay so much more and associate the past decisions with who was in leadership at the time..

[REDACTED]

ORIGINAL RESPONSE TO COMMENTS

Cassandra Leal

From: Carvalho, Luis <Luis.Carvalho@york.ca>
Sent: August 24, 2020 3:29 PM
To: 'Gloria Marsh'
Cc: Munro, Courtney Rose
Subject: RE: Stouffville water supply EA

Hi Gloria,

Thank you for taking time to review York Region's Environmental Assessment for Long-Term Water Supply and Servicing in the Town of Stouffville. We value your comments on behalf of York Region Environmental Alliance.

Site area and impact on natural environment

The recommended preferred solution does not require additional lands. The associated work on the existing Stouffville reservoir, elevated tank and high lift pump station will be accommodated within the existing Region-owned facility lands and mostly within the footprint of existing infrastructure.

The addition of a new Pressure Reducing Valve chamber will be outside the Region-owned facility lands but within the road allowance. Because of this, the impact on the natural environment is minimal.

Impact on emissions and climate change

By making use of existing infrastructure, the preferred alternative has less impact on greenhouse gas emissions than alternatives based on new construction. This also takes into consideration reducing emissions related to manufacturing new building materials and extensive construction activity.

Working with Toronto and Region Conservation Authority (TRCA)

TRCA is one of the Environmental Assessment's key agency stakeholders and they have been actively engaged in this project. Most recently, York Region has presented and discussed the shortlisted alternatives and the evaluation process which led to the preferred alternative. TRCA will continue to be engaged until this work is completed.

COVID-19 impact on water

York Region's water services are essential and continue to be uninterrupted as part of our emergency response to COVID-19. York Region has maintained source protection, effective treatment and continual monitoring during the pandemic to provide residents with safe drinking water.

Long Term Water Conservation Strategy

York Region developed a Long Term Water Conservation Strategy in 2016 and reports progress on its implementation to the Ministry of the Environment, Conservation and Parks on an annual basis. Detail on the strategy and additional information can be found [here](#).

Salt Management Plan

The Region's Transportation Services maintains over 4,000 lane kilometers of roadway and has developed a Salt Management Plan to ensure that the Region minimizes the amount of road salt entering the environment during winter maintenance operations. Because regulations and technology are constantly evolving the Plan is

reviewed and updated regularly. Environmental Services has also been engaged in minimizing the use of salt by providing Smart About Salt training to staff and contractors.

We will share your letter and embedded additional resources with the project team and our counterparts at the Town of Stouffville.

Please let me know if you have any questions or require further clarification.

Sincerely,

Luis Carvalho

Luis Carvalho M.Sc.(Eng.) P.Eng. PMP | Senior Project Manager, Capital Planning and Delivery, Environmental Services

The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1
O: 1-877-464-9675 ext. 75015 | **C:** 905-806-5536 | Luis.Carvalho@york.ca | www.york.ca

Our Mission: **Working together to serve our thriving communities – today and tomorrow**

From: Gloria Marsh
Sent: Friday, August 14, 2020 4:20 PM
To: Carvalho, Luis
Subject: Stouffville water supply EA

Hello Luis
Please find attached YREA's comments regarding Stouffville water supply EA.

Sincerely
Gloria Marsh, Executive Director
York Region Environmental Alliance
Partnering for a greener planet
T: 289-234-1524 (private/direct)
<http://www.yrea.org>

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To: Cassandra Leal
Subject: FW: Stouffville Water Supply EA - Comments from [REDACTED]

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p: +1.905.738.5700 x247
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[REDACTED]

Respondent ID	Collector ID	Start Date	End Date	IP Address	Email Address	First Name	Last Name	Custom Data 1	Where do you live?		What do you like about the preferred alternatives?	Do you have any other questions or feedback you'd like to share with the team?
									Response	Other (please specify)	Open-Ended Response	Open-Ended Response
11912126665	264445296	2020-08-18 13:33:59	2020-08-18 13:34:19						Within Whitchurch-Stouffville limits			
11885080950	264445296	2020-08-08 20:13:36	2020-08-08 20:18:55						Within Whitchurch-Stouffville limits		Without knowing the funding model and cost to us the residents how are we to make a good decision.	With this EA should be a cost which anyone would need to make a good decision.
11877919804	264445296	2020-08-06 19:33:41	2020-08-06 20:46:27						Other (please specify)	York Region	The preferred solutions maximizes the use of existing infrastructure eliminating/delaying the need for extensive capital investment.	The following were not very clear to me in the presentation: - What are the supply demands in the Town? - How was the storage requirements sized? How much was the Zone 2 storage shortage? - Is Zone 1 the higher TWL zone, hence the need for PRV to feed into Zone 2? - Is Zone 3 a closed system on pumps only? - Is Stouffville reservoir a Zone 2 reservoir? Please label it to be clear.
11876478749	264445296	2020-08-06 14:41:16	2020-08-06 14:44:58						Within the water service area		I like that the alternatives are about maintaining and rehabbing	
11852505308	264445296	2020-07-31 20:26:21	2020-07-31 20:26:50						Within the water service area		test	test

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@YorkRegionGovt

We want to hear from you!

We are studying the long-term water supply and storage needs for the Stouffville community @townofws and hosting an online open house. Visit bddy.me/30yMYjD and click on the Whitchurch-Stouffville tab to check out the information.

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Lady Gaga and Ariana Grar perform together in masks VMAs

Trending with: Watermelon


MTV VMAs · Last night


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York Region

@YorkRegionGovt


Have you completed the Stouffville @townofws water supply & storage survey? As our water supply infrastructure ages, we need to look at either maintaining or replacing it. Visit york.ca/ea, scroll to the Stouffville page to review the study & complete the survey.





4:03 PM · Aug 13, 2020 · Salesforce - Social Studio


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**Check out some of the best
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