



The Regional Municipality of Durham

COUNCIL INFORMATION PACKAGE

December 6, 2019

Information Reports

- [2019-INFO-90](#) Commissioner of Planning and Economic Development – re: Monitoring of Growth Trends
- [2019-INFO-91](#) Commissioner of Planning and Economic Development – re: Carruthers Creek Watershed Plan Update

Early Release Reports

There are no Early Release Reports

Staff Correspondence

1. [Letter from Mirka Januszkiewicz, Director, Waste Management Services, Region of Durham and Laura McDowell, Director, Environmental Promotion and Protection, Region of York and Matthew Neild, Facility Manager, Covanta Durham York Renewable Energy Limited Partnership](#) advising that in accordance with condition 18.5 of the Environmental Assessment (EA) Notice of Approval for the Durham York Energy Centre (DYEC), the Regional Municipalities of Durham and York (Regions) submit the DYEC 2019 Odour Management and Mitigation Monitoring Report covering the period from November 2018 through October 2019

Durham Municipalities Correspondence

1. [The Town of Whitby](#) – re: Resolution passed at their Council meeting held on November 25, 2019, regarding Gas Tax Funds
2. [The Town of Whitby](#) – re: Resolution passed at their Council meeting held on November 25, 2019, regarding Hospital Task Force Update

Other Municipalities Correspondence/Resolutions

1. [Town of Plympton-Wyoming](#) – re: Resolution passed at their Council meeting held November 27, 2019, in support of the Township of Springwater motion regarding Conservation Authority Levies

Miscellaneous Correspondence

1. [Central Lake Ontario Conservation Authority \(CLOCA\)](#) – re: Notice regarding the Draft Watershed Plan Updates for the Lynde Creek, Oshawa Creek, Black/Harmony/Farewell Creek, and the Bowmanville/Soper Creek watersheds and the Healthy Watersheds Actions (HWA) Survey
2. [Eastern Ontario Mayors' Caucus](#) – re: Resolution passed at their meeting held on November 20, 2019, regarding Rising Water Levels

Advisory Committee Minutes

1. Durham Agricultural Advisory Committee (DAAC) minutes – [November 12, 2019](#)
2. Strategic Plan Development Task Force minutes – [November 14, 2019](#)
3. Durham Environmental Advisory Committee (DEAC) minutes – [November 21, 2019](#)
4. Durham Nuclear Health Committee (DNHC) minutes – [November 22, 2019](#)

Members of Council – Please advise the Regional Clerk at clerks@durham.ca, if you wish to pull an item from this CIP and include on the next regular agenda of the appropriate Standing Committee. Items will be added to the agenda if the Regional Clerk is advised by Wednesday noon the week prior to the meeting, otherwise the item will be included on the agenda for the next regularly scheduled meeting of the applicable Committee.

Notice regarding collection, use and disclosure of personal information:

Written information (either paper or electronic) that you send to Durham Regional Council or Committees, including home address, phone numbers and email addresses, will become part of the public record. If you have any questions about the collection of information, please contact the Regional Clerk/Director of Legislative Services.

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2564



The Regional Municipality of Durham Information Report

From: Commissioner of Planning and Economic Development
Report: [#2019-INFO-90](#)
Date: December 6, 2019

Subject:

Monitoring of Growth Trends, File: D01-02-01

Recommendation:

Receive for information

Report:

1. Purpose

- 1.1 This report is the second of two biannual reports monitoring growth trends in Durham. It presents historical population and household data for the Region and area municipalities for the 2014 to 2019 period. It also includes short-term forecasts for the 2019 to 2024 period.
- 1.2 The data is provided for the end of May (to correspond with the timing of the Census) and for December (calendar year-end). Information presented in this report is intended for use in various Regional studies and programs including the Municipal Comprehensive Review (Regional Official Plan Update), Development Charges Studies, and the annual Five-year Servicing and Financing Study.

2. Historical population and household estimates (2014-2019)

- 2.1 The population and household estimates presented in Attachments 1 and 2, are based on:

-
- a. Statistics Canada Census information for 2011 and 2016 including an estimate for net undercoverage¹; and
 - b. Canada Mortgage and Housing Corporation (CMHC) monthly housing completion data for non-Census years.
- 2.2 The semi-annual population estimates presented in Attachment 1 indicate that the Region's mid-year population growth increased by 8,825 persons from 2018 to 2019, representing a growth rate of 1.29%. The population growth for the five-year period from May 2014 to May 2019 was 5.92%.
- 2.3 The semi-annual household estimates presented in Attachment 2, indicate that the Region's mid-year household growth increased by 3,400 households from 2018 to 2019, representing a growth rate of 1.45%. The household growth for the five-year period from May 2014 to May 2019 was 6.73%.
- 3. Short-term growth forecasts (2019-2024)**
- 3.1 The short-term growth forecasts for population and households presented in Attachments 3 and 4 are based on:
- a. housing production estimates provided by the area municipalities;
 - b. an analysis of past trends; and
 - c. estimates of the timing and anticipated annual housing occupancy across the Region.
- 3.2 The forecasts make no allowances for unpredictable factors such as changes in economic conditions affecting residential growth (e.g. significant increases in mortgage rates, building trade strikes, etc.).
- 3.3 The short-term forecasts indicate that in the next five years Durham's population is projected to increase from 694,535 (2019) to 801,900 in 2024 (refer to Attachment 3). This increase represents an average annual growth rate of 2.92% between May 2019 and May 2024.
- 3.4 Similarly, the current number of households in Durham is projected to increase from 237,185 (2019) to approximately 275,640 in 2024 (refer to Attachment 4). This increase represents an average annual growth rate of 3.05% between May 2019 and May 2024.

¹ Net undercoverage refers to the net population counts that are missed during the Census enumeration due to persons with no usual residence, incorrect questionnaires, missed dwellings, away from home, etc.

3.5 These forecasts assume an increased rate of growth in Pickering towards the end of the period, adding approximately 11,000 households and 33,000 people to the forecast as the Seaton community develops.

4. Conclusion

4.1 Regional Council will continue to be kept apprised of emerging population and household data and trends through regular updates of this information.

4.2 A copy of this report will be forwarded to the Area Municipalities, the Durham Regional Police Services, the Local Health Integration Network and the School Boards in Durham.

5. Attachments

Attachment #1: Semi-annual Population Estimates, 2014-2019

Attachment #2: Semi-annual Household Estimates, 2014-2019

Attachment #3: Semi-annual Population Forecasts, 2019-2024

Attachment #4: Semi-annual Household Forecasts, 2019-2024

Respectfully submitted,

Original signed by

Brian Bridgeman, MCIP, RPP
Commissioner of Planning and
Economic Development

Semi-annual Population Estimates, 2014-2019 (May and December)

Year	Ajax	Brock	Clarington	Oshawa	Pickering	Scugog	Uxbridge	Whitby	Durham
2014 (Dec)	121,670	12,020	93,805	161,840	94,780	22,400	21,785	132,365	660,665
2015 (May)	122,895	12,030	94,210	162,730	94,810	22,475	21,830	132,370	663,345
2015 (Dec)	123,740	12,045	94,860	163,925	95,115	22,380	21,930	132,765	666,755
2016 (May)	124,230	12,085	95,515	165,525	95,265	22,440	21,980	133,265	670,310
2016 (Dec)	124,805	12,065	96,490	166,535	95,220	22,370	22,045	133,515	673,040
2017 (May)	125,505	12,050	97,395	167,430	95,765	22,320	22,265	134,400	677,125
2017 (Dec)	126,445	12,140	98,550	169,320	96,255	22,245	22,245	135,050	682,250
2018 (May)	127,840	12,130	99,215	170,120	96,585	22,195	22,345	135,280	685,710
2018 (Dec)	128,725	12,265	100,290	172,660	97,435	22,110	22,340	135,760	691,580
2019 (May)	129,655	12,250	100,875	173,480	97,670	22,070	22,405	136,130	694,535

Note: All figures rounded

Source: Statistics Canada 2016 Census and CMHC monthly housing completions data.

Semi-annual Household Estimates, 2014-2019 (May and December)

Year	Ajax	Brock	Clarington	Oshawa	Pickering	Scugog	Uxbridge	Whitby	Durham
2014 (Dec)	36,940	4,490	32,135	61,170	30,570	8,130	7,555	43,095	224,090
2015 (May)	37,225	4,500	32,335	61,470	30,685	8,150	7,565	43,175	225,105
2015 (Dec)	37,450	4,520	32,580	61,980	30,815	8,175	7,635	43,325	226,480
2016 (May)	37,550	4,545	32,840	62,595	30,920	8,220	7,665	43,530	227,865
2016 (Dec)	37,655	4,550	33,225	62,990	30,985	8,225	7,705	43,670	229,005
2017 (May)	37,815	4,555	33,570	63,340	31,220	8,230	7,795	44,005	230,530
2017 (Dec)	38,030	4,600	34,020	64,065	31,465	8,235	7,805	44,275	232,495
2018 (May)	38,400	4,605	34,290	64,375	31,630	8,240	7,850	44,395	233,785
2018 (Dec)	38,595	4,670	34,710	65,355	31,990	8,240	7,870	44,615	236,040
2019 (May)	38,825	4,675	34,955	65,675	32,130	8,245	7,905	44,780	237,185

Note: All figures rounded

Source: Statistics Canada Census and CMHC monthly housing completions data.

Semi-annual Population Forecasts, 2019-2024 (May and December)

Year	Ajax	Brock	Clarington	Oshawa	Pickering	Scugog	Uxbridge	Whitby	Durham
2019 (Dec)	131,100	12,300	102,600	176,000	100,300	22,400	22,400	138,700	706,200
2020 (May)	132,000	12,400	103,600	177,100	102,200	22,500	22,400	139,900	712,400
2020 (Dec)	133,500	12,400	105,400	179,200	105,700	22,700	22,400	142,000	723,500
2021 (May)	135,000	12,500	106,400	180,300	108,700	22,800	22,500	143,300	731,500
2021 (Dec)	137,500	12,500	108,200	182,500	114,100	23,100	22,500	145,700	745,800
2022 (May)	139,000	12,500	109,200	183,600	117,700	23,100	22,500	147,000	754,400
2022 (Dec)	141,700	12,500	111,100	185,500	124,200	23,300	22,600	149,400	769,800
2023 (May)	143,500	12,600	112,100	186,700	127,500	23,300	22,600	150,800	778,400
2023 (Dec)	146,500	12,600	113,900	188,800	133,500	23,400	22,600	153,300	793,700
2024 (May)	148,300	12,600	115,000	189,900	136,300	23,500	22,700	154,700	801,900

Note: All figures rounded

Source: Statistics Canada 2016 Census and CMHC monthly housing completions data.

Semi-annual Household Forecasts, 2019-2024 (May and December)

Year	Ajax	Brock	Clarington	Oshawa	Pickering	Scugog	Uxbridge	Whitby	Durham
2019 (Dec)	39,200	4,710	35,620	66,650	33,090	8,400	7,910	45,690	241,270
2020 (May)	39,410	4,740	36,000	67,090	33,780	8,460	7,930	46,120	243,530
2020 (Dec)	39,790	4,780	36,680	67,860	35,020	8,580	7,970	46,870	247,540
2021 (May)	40,160	4,800	37,060	68,320	36,090	8,640	7,990	47,350	250,410
2021 (Dec)	40,830	4,830	37,750	69,140	37,990	8,770	8,020	48,200	255,520
2022 (May)	41,250	4,840	38,150	69,560	39,260	8,820	8,040	48,690	258,610
2022 (Dec)	41,980	4,870	38,870	70,310	41,530	8,910	8,080	49,570	264,100
2023 (May)	42,440	4,890	39,260	70,770	42,720	8,950	8,090	50,070	267,190
2023 (Dec)	43,270	4,920	39,950	71,580	44,840	9,030	8,130	50,960	272,680
2024 (May)	43,720	4,930	40,370	72,020	45,880	9,080	8,160	51,480	275,640

Note: All figures rounded

Source: Statistics Canada Census and CMHC monthly housing completions data.

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2564



The Regional Municipality of Durham Information Report

From: Commissioner of Planning and Economic Development
Report: [#2019-INFO-91](#)
Date: December 6, 2019

Subject:

Carruthers Creek Watershed Plan Update, File D07-17-01

Recommendation:

Receive for information

Report:

1. Purpose

1.1 The purpose of this report is to advise of the activities undertaken up to November 2019 on Phase 2 of the Carruthers Creek Watershed Plan Update.

2. Background

2.1 On April 1, 2015, Regional Council authorized staff to engage the Toronto and Region Conservation Authority (TRCA) in a consulting capacity to update the Carruthers Creek Watershed Plan on the Region's behalf. In June of 2015, the TRCA received Board authority to enter into a servicing agreement with the Region and to initiate the project.

2.2 The Watershed Plan update is being completed in two Phases. Phase 1 culminated in the preparation of seven peer reviewed technical reports that characterize the watershed's existing conditions. Phase 2 was initiated in January of 2018 and includes public consultation, further technical reports, watershed scenario analyses, and the development of management recommendations. The updated Watershed Plan is currently in the process of being drafted by TRCA staff.

3. Phase 2 Progress

3.1 Since the last update on May 7, 2019 ([Report #2019-P-25](#)) most of the Phase 2 work plan has been completed. Attachments #1 and #2 provide a detailed update which is summarized as follows:

- a. Step 1: Establish updated goals and objectives for the watershed (**complete**);
- b. Step 2: Based on the conditions observed through Phase 1 and other watershed health assessments, develop targets for the watershed and identify the actions to achieve the goals and objectives (**complete**);
- c. Step 3: Establish watershed response methodologies / assessments to be used to measure how the watershed could respond to changes in land use and other factors (**complete**);
- d. Step 4: Develop, model and evaluate five scenarios for the watershed, consisting of historic conditions, existing conditions, approved development (as per the current Official Plan designations), enhanced natural heritage system, and a development scenario with an enhanced natural heritage scenario (**complete**);
- e. Step 5: Formulate and evaluate candidate management actions to achieve the desired state of watershed health (**complete**);
- f. Step 6: Develop management recommendations (**complete**);
- g. Step 7: Finalize the Watershed Plan for internal and partner review (**underway**);
- h. Step 8: Release the final Watershed Plan for public comment, incorporate feedback, and present to Region of Durham for approval (**not yet started**);

3.2 The purpose of the Phase 2 technical analyses is to model, assess, and evaluate how the Carruthers Creek Watershed will respond to different scenarios of land use change. A number of technical reports have been prepared, documenting the watershed response. These include:

- a. Aquatic Impact Assessment;
- b. Fluvial Geomorphic Assessment;
- c. Groundwater Modelling;
- d. Soil Water Assessment Tool Modelling;
- e. Stormwater Management;
- f. Terrestrial Impact Assessment;
- g. Urban Forest Assessment; and,
- h. Hydrology Assessment.

- 3.3 Similar to Phase 1, the Phase 2 technical reports are subject to an external peer review process to ensure the analysis was rigorous and completed at or above technical/industry standards. Aside from the Hydrology Assessment (which is currently being issued for peer review), the peer review of all the Phase 2 technical reports has been completed. The final technical reports will accompany the completed Watershed Plan.
- 3.4 The key Phase 2 milestone has been the development of a draft watershed Management Framework. The Management Framework is designed to address existing issues within the watershed and to mitigate issues associated with future land uses. The Framework consists of Goals, Management Recommendations, and Tracking Indicators/Monitoring related to the categories of Land Use, Natural Heritage System, and Water Resource System. The Management Framework is broken down into actions to be undertaken by partner organizations, including the Region, The Town of Ajax, the City of Pickering, the Toronto and Region Conservation Authority, as well as other stakeholders, such as the agricultural community.
- 3.5 The draft Management Framework as presented at the October public open houses (discussed below) can be found in Attachment #3. The Management Framework and the wording of individual management recommendations may change as TRCA staff assess and address public feedback, and work towards finalizing the peer review of the Hydrology Assessment.
- 3.6 From October 1, 2018 to October 18, 2019, TRCA staff continued to implement the Carruthers Creek Watershed Plan Communications and Consultation Strategy (as outlined in Reports [#2018-INFO-54](#) and [#2018-INFO-102](#)). In addition to continuing to raise awareness and inform partners of the Carruthers Creek Watershed Plan and the planning process, a focus during this stage of consultation was to gather feedback on the draft Management Framework. Consultation activities over this period included:
- a. Regular update and collaboration meetings with Durham, Ajax, and Pickering staff;
 - b. Presentations and consultations with stakeholder and interest groups;
 - c. Presentations to Durham, Ajax and Pickering committees of Council (as determined appropriate by the municipality);
 - d. Public Open Houses in Ajax (October 8, 2019) and Pickering (October 10, 2019);

- e. Continued posting and updating of the project website, and receipt of inquiries and submissions through the dedicated project email.

3.7 Additional information about the consultation activities undertaken during this period, including a summary of what was heard, can be found in Attachment #4.

4. Next Steps

4.1 TRCA staff are in the process of drafting the updated Carruthers Creek Watershed Plan. It is anticipated that the draft Watershed Plan will be made available for municipal staff review (Durham, Ajax and Pickering) in December 2019. It is also anticipated that the final Phase 2 technical report, and the Hydrology Assessment, will be peer reviewed and made available for review by area municipal staff during this time.

4.2 After receipt and incorporation of preliminary municipal comments, the Watershed Plan and supporting peer reviewed Phase 2 technical reports will be released for public comment. The comment period is planned to be open for 45 days and is expected to commence in early 2020. Following the receipt and response to public comments, the final Watershed Plan will be presented through the Durham Regional Planning and Economic Development Committee for consideration of approval/endorsement by Regional Council.

4.3 Once Regional Council has made its decision, the final Carruthers Creek Watershed Plan will proceed to the TRCA Board of Directors for their consideration and approval.

5. Conclusion

5.1 A draft Watershed Plan is expected for staff review by the end of year, with public consultation and final consideration by Regional Council in Q1-Q2 of 2020.

5.2 A copy of this report will be forward to the Toronto and Region Conservation Authority, the Town of Ajax, and City of Pickering.

6. Attachments

Attachment #1: Correspondence dated November 15, 2019 from Gary S. Bowen, TRCA, providing a status update on the project

Attachment #2: Carruthers Creek Watershed Plan Phase 2 work plan, including status updates on the various tasks, dated November 2019

Attachment #3: Draft Management Framework as presented at the Public Open Houses (hosted October 8 and October 10, 2019)

Attachment #4: Carruthers Creek Watershed Plan Communications and Consultation Summary for Phase 2, Stage 2, dated October 2019.

Respectfully submitted,

Original signed by

Brian Bridgeman, MCIP, RPP
Commissioner of Planning and
Economic Development



15 November 2019

Brad Anderson MCIP, RPP
Principal Planner
Planning and Economic Development
Regional Municipality of Durham
PO Box 623
605 Rossland Road East
Whitby, Ontario
L1N 6A3

Sent via email: brad.anderson@durham.ca

RE: Carruthers Creek Watershed Plan Phase 2 Update

Dear Mr. Anderson:

I am pleased to submit this letter which provides an overview of various aspects of the Phase 2 study approach and progress report. TRCA's overall workplan for the Carruthers Creek Watershed Plan (CCWP) was outlined in our submission approved by the Region of Durham in April 2015. The characterization of current watershed conditions (Phase 1) was completed in Fall 2017. The steps to be completed as part of Phase 2 of the CCWP were described in our letter, and associated attachments, dated March 27, 2018. This update follows the update provided earlier this year in our letter, and associated attachments, dated April 1, 2019.

1a.) Status of Phase 2 Technical Work

The purpose of the Phase 2 technical analysis was to model, assess and evaluate how the Carruthers Creek watershed responds to scenarios of land use changes. The *Carruthers Creek Watershed Plan Phase 2 - Updated November 2019* (Attachment 1) is an amended version of the workplan submitted as part of Report #2018-INFO-54 from the April 13, 2018 Planning and Economic Development Committee Meeting that provides a status update on all workplan items.

All Phase 2 technical analysis has been completed and all reports, except for the hydrological modelling report, have undergone external peer review. TRCA engineers, working collaboratively with Town of Ajax and City of Pickering engineering staff, have completed the hydrological modelling and prepared a technical report that is currently being peer reviewed. The external peer review process ensures that analysis was rigorous and completed to the highest technical standard.

Phase 1 and 2 technical analysis and assessments were integrated to develop the draft CCWP's Management Framework (Attachment 2). The Management Framework is designed to address existing issues within the watershed and mitigate impacts from potential future land uses, while recommending appropriate actions to protect, enhance and restore the watershed. Staff will continue to incorporate feedback from all stakeholders to finalize the Management Framework. The *Table of Contents* for the CCWP was developed and finalized in collaboration with the Region of Durham, City of Pickering and Town of Ajax.

1b.) Next Steps in Phase 2 Technical Work

All Phase 2 technical analysis has been completed and the final reports will be released with the draft CCWP. The draft CCWP will be completed in Q4 2019 and released in early 2020 for a public review period.

2a.) Communications and Consultation in Phase 2, Stage 2

The *Communications and Consultation Summary Report (Phase 2, Stage 2)* (Attachment 3) is a detailed report of all communications and consultation activities undertaken by TRCA for Phase 2, Stage 2 of the CCWP. The main objective of this stage of communications and consultation was to gather feedback on the draft Management Framework. Feedback on the Management Framework was provided by Region of Durham, City of Pickering, and Town of Ajax staff at two working sessions in September 2019. In addition, Public Open Houses were hosted in Ajax (October 8, 2019) and Pickering (October 10, 2019) to solicit feedback on the draft Management Framework from the general public and other stakeholders.

2b.) Next Steps in Communications and Consultation

As part of the planned next steps for the CCWP, consultation and communication will continue as approved in the *CCWP Communications and Consultation Strategy* and discussed in our previous letter dated May 31, 2018.

The next stage of communications and consultation (Phase 2, Stage 3) will aim to gather feedback from partners, stakeholders, and the general public on the draft CCWP. Municipal partners will complete a review of the draft CCWP in December 2019. The draft CCWP will be released for a public review period in early 2020.

Exact dates for presentations/reports to Councils and the TRCA Board of Directors will be confirmed as work progresses. TRCA staff will continue our current practice of providing correspondence to municipal staff in order to share information and seek input and comments as components of the project are advanced. Starting in March 2019, TRCA and the Region of Durham initiated monthly meetings with local municipal partners which will continue until the completion of the CCWP. TRCA will continue to consult the general public and other stakeholders through the methods identified in the *CCWP Communications and Consultation Strategy*. Since the project began, TRCA and Region of Durham have developed an excellent working relationship and we look forward to your continued collaboration as we complete the CCWP.

In summary, the CCWP is proceeding well and along the timelines identified in our previous progress letters. Visit <https://yoursay.ca/carruthers-creek> to learn more and to download project documents and reports.

Please do not hesitate to contact me if I may be of further assistance or you have questions.

Sincerely,



Gary S. Bowen
Watershed Specialist

Attachment 1: Carruthers Creek Watershed Plan Phase 2 - Updated November 2019
Attachment 2: Carruthers Creek Watershed Plan – Draft Management Framework
Attachment 3: Communications and Consultation Summary Report (Phase 2, Stage 2)

Carruthers Creek Watershed Plan Phase 2 – Updated November 2019

STEP 1: Establish Goals and Objectives for the Watershed

TIMING

January to June 2018

PURPOSE

Review the fundamental building blocks provided in the 2003 Watershed Plan and supporting documents in the context of advancements in scientific approaches and language since the last Watershed Plan was completed. The goals and objectives will be revisited throughout the plan development process to ensure implementation of the new management actions can meet these goals.

WORK TO BE DONE

TECHNICAL

- Review Goals, Objectives, Management Actions from 2003 Watershed Plan, 2004 Fisheries Management Plan, other supporting documents: assess gaps, add new information, update/remove elements which are no longer relevant; **Status: Complete**

CONSULTATION

- Consult public and stakeholders on vision and management philosophy from 2003 Watershed Plan which will form the principles of the new plan; **Status: Complete**

STEP 2: Current Watershed Conditions

TIMING

January to June 2018

PURPOSE

Protocols for watershed health assessment follow a similar process to that of the 2003 Watershed Plan, with appropriate scientific and engineering knowledge of the evolving state of best practice. Based on the biophysical conditions observed from 2015 and 2016 field studies and previous watershed health assessment ratings and targets, develop current targets for the watershed which will identify the actions required to achieve the goals and objectives. Begin integration of the seven Phase 1 technical reports to derive a holistic view of the watershed based on the separate studies.

WORK TO BE DONE

TECHNICAL

- The various subject matter experts (SMEs) on the staff technical team will assess the targets from 2003 Watershed Health Ratings Report for relevance, updating, gaps, and set new targets; **Status: Complete**
- Begin the integration exercise based on the Phase 1 technical reports and management recommendations, a comprehensive exercise which requires a multi-disciplinary approach; **Status: Complete**

STEP 3: Watershed Response “Tool Box”

TIMING

January to December 2018

PURPOSE

The “tool box” is a collection of models and evaluation methodologies which assess various criteria from the land use scenarios. The modelling results and findings from the terrestrial and aquatic response methodologies illustrate how the watershed can reasonably be expected to respond to land use changes, and other factors such as climate change, based on the best available science. TRCA scientists and planners will interpret the outcomes in order to develop recommended management actions which protect, restore, and enhance Carruthers Creek watershed.

WORK TO BE DONE

TECHNICAL

- SWAT (Soil and Water Assessment Tool) model which assesses surface water quality set up and calibrated (initial data from Phase 1); **Status: Complete, report completed and peer reviewed**
- Groundwater model set up and calibrated; **Status: Complete, report completed and peer reviewed**
- Hydrology model set up and calibrated (initial data from Phase 1); **Status: Complete, report completed and undergoing peer review**
- Assess options/tools to evaluate watershed’s terrestrial response; **Status: Complete, report completed and peer reviewed**
- Assess options/tools to evaluate watershed’s aquatic response; **Status: Complete, report completed and peer reviewed**
- Surface water quantity report based on stream flow gauges completed and peer reviewed; **Status: Complete, report completed and peer reviewed**

CONSULTATION

- Review Hydrology model results with Ajax and Pickering staff; **Status: Complete**

STEP 4: Watershed Scenario Evaluation

TIMING

January to September 2018

PURPOSE

Develop five scenarios for the watershed, evaluating past, current, future, and potential future watershed conditions to be analyzed using state-of-the-art modelling and watershed response tools. Knowledge garnered will be shared amongst the technical experts, allowing for integration of outputs and best outcomes for the overall health of the watershed.

WORK TO BE DONE

TECHNICAL

Finalize mapping for each of the five scenarios, each subsequent scenario builds on the previous, ranging from historic conditions (1999) to development as per current approved Official Plans to 2031 and an enhanced Natural Heritage System, plus prospective development post-2031.

- Using various inputs such as Official Plans, existing natural cover, older TRCA Terrestrial Natural Heritage System plans, etc., delineate an enhanced Natural Heritage System for use in the future scenarios; **Status: Complete**
- Evaluate opportunities for urban forestry enhancement; **Status: Complete, report completed and peer reviewed**
- Complete Ecosystem Services Valuation study and identify Green Infrastructure features/ practices which could be incorporated into existing urban areas and in new urban development; **Status: Complete**
- Complete a storm water management retrofit study; **Status: Complete, report completed**

CONSULTATION

- Review scenario criteria/conditions with Ajax and Pickering staff; **Status: Complete**

STEP 5: Evaluate Management Actions

TIMING

July 2018 to June 2019

PURPOSE

Formulate candidate management actions which will be evaluated when recommendations are developed, to ensure that the overall conditions in the watershed will sustain the desired state of health once the plan is adopted and implemented.

WORK TO BE DONE

TECHNICAL

- Management actions will be derived as the modelling is carried out and the terrestrial and aquatic response tools are applied. Actions tend to be specific and are expected to arise through non-linear, multi-disciplinary analysis, as all SMEs integrate their findings. Actions will be evaluated against the plan's draft recommendations, goals, and objectives; **Status: Complete**

STEP 6: Draft Management Recommendations

TIMING

July 2018 to September 2019

PURPOSE

Develop draft recommendations for the optimal management of the watershed based on the most advanced scientific knowledge available. They will be practical and make the best use of partnerships and available resources, and anticipate the challenges ahead. The recommendations inform the management actions and guide the implementation of the Watershed Plan.

WORK TO BE DONE

TECHNICAL

- Management recommendations will be evaluated against meeting the vision, management philosophy, goals, and objectives established earlier in the process. This is a non-linear, multi-disciplinary exercise which involves all SMEs and is integrated with other steps throughout the process; **Status: Complete**

CONSULTATION

- Review draft management recommendations with Ajax and Pickering staff; **Status: Complete**
- Consult public and stakeholders about draft management recommendations; **Status: Complete**

STEP 7: Finalise Draft Watershed Plan

TIMING

October to December 2019

PURPOSE

Complete the process to draft the Carruthers Creek Watershed Plan.

WORK TO BE DONE

TECHNICAL

- Complete draft Watershed Plan for internal and partner review; **Status: Complete**

CONSULTATION

- Complete TRCA internal review of the draft Watershed Plan document; **Status: Complete**
- Municipal staff review of the draft Watershed Plan document; **Status: Underway**

STEP 8: Public Review and Approval of Watershed Plan

TIMING

January to May 2020

PURPOSE

Complete public consultation on the draft Watershed Plan and ensure Regional Council approval

WORK TO BE DONE

TECHNICAL

- Incorporate all stakeholder feedback to finalize Watershed Plan; **Status: Not started**

CONSULTATION

- Inform Regional Council on the desire to post the draft Watershed Plan for public review; **Status: Not started**
- Conduct 45-day public review period; **Status: Not started**
- Submit final Watershed Plan for approvals; **Status: Not started**

#	Key Tasks	Schedule
1	Complete scenario evaluation	2018 – Q4
2	Peer Review of 2018 technical work	2019 – Q1
3	Recommendations and implementation schedule	2019 – Q2
4	Peer Review of 2019 technical work	2019 – Q3
5	Study complete	2019 – Q4

DRAFT MANAGEMENT FRAMEWORK

Carruthers Creek Watershed Plan Management Framework

- Outlines how the watershed plan will be implemented and progress evaluated
- The draft management framework consists of:
 - **Goals** – broad outcomes to achieve
 - **Objectives** – specific statements to achieve the goals
 - **Indicators** – explain how objectives will be evaluated
 - **Management recommendations** – outline what needs to be done to accomplish the objectives
 - **Monitoring program** – will be used to evaluate implementation success and the overall health of the watershed

GOALS

LAND USE

Achieve sustainable land use and infrastructure development patterns to protect, enhance and restore water quality and maintain stable water balance

LAND USE OBJECTIVE 1

Minimize the impacts of land uses through sustainability policies and the use of low impact development and green infrastructure

INDICATOR

Report on implementation of sustainable development policies/standards

Number of priority crossings installed to facilitate hydrologic function and ecological connectivity

LAND USE OBJECTIVE 2

Install and upgrade stormwater infrastructure using best available technologies to reduce runoff; resulting in improved water balance and water quality

INDICATOR

Report on the status of stormwater management in the watershed

LAND USE OBJECTIVE 3

Manage the risks of natural hazards through appropriate mitigation measures and restoration.

INDICATOR

Reduce number of flood vulnerable structures and flood vulnerable roads

LAND USE OBJECTIVE 4

Encourage the use of agricultural best management practices to minimize agricultural runoff and improve rural land stewardship

INDICATOR

Work with agricultural community to track implementation of best management practices

NATURAL HERITAGE SYSTEM

Protect, enhance and restore the Natural Heritage System and urban forest within the watershed to improve ecosystem resilience and sustainability

NATURAL HERITAGE SYSTEM OBJECTIVE 1

Improve the quality and quantity of the Natural Heritage System across the watershed through ecosystem protection, enhancement and restoration, and implement of relevant policies

INDICATOR

Increase total natural cover in the watershed

Appropriate policy designations are in place for the Natural Heritage System

NATURAL HERITAGE SYSTEM OBJECTIVE 2

Ensure habitat exists for native terrestrial species to thrive throughout the watershed

INDICATOR

Maintain, or increase, the number and area of species and vegetation communities of concern

NATURAL HERITAGE SYSTEM OBJECTIVE 3

Increase the urban forest cover within the developed portion of the watershed to improve social and environmental well-being

INDICATOR

Increase total tree canopy in the watershed

WATER RESOURCE SYSTEM

Protect, enhance and restore the areas and features that make up the Water Resource System (including aquatic habitat) for ecosystem resilience and sustainability

WATER RESOURCE SYSTEM OBJECTIVE 1

Implement appropriate policies and programs that protect, enhance and restore the areas and features that comprise the Water Resource System

INDICATOR

Appropriate policy designations are in place for the Water Resource System

WATER RESOURCE SYSTEM OBJECTIVE 2

Promote aquatic habitat connectivity to facilitate native fish movement throughout the watershed

INDICATOR

Maintain, or improve, aquatic health rankings

DRAFT MANAGEMENT RECOMMENDATIONS

Goal: Achieve sustainable land use and infrastructure development patterns to protect, enhance and restore water quality and maintain stable water balance

LAND USE OBJECTIVE 1: Minimize the impacts of land uses through sustainable policies and the use of low impact development and green infrastructure

Municipalities, in collaboration with TRCA, to adopt green development standards and require new developments, and re-developments, to utilize low impact development and green infrastructure techniques.

Municipalities, in collaboration with TRCA, to develop mechanisms to track and report on implementation of sustainable development practices to assess the effectiveness of policies and standards.

If it is determined that a Settlement Area Boundary Expansion is required in the headwaters of Carruthers Creek, in accordance with Growth Plan policies, municipalities, in collaboration with TRCA, to develop a Terms of Reference outlining requirements for further studies in support of subwatershed planning that includes:

- how natural hazards will be assessed and mitigated
- how the Natural Heritage System and Water Resource System will be protected, enhanced and restored
- how water quality and quantity will be protected.

During planning for transportation infrastructure improvement projects, or new projects, municipalities to implement best management practices for road design, road expansions and road widenings in accordance with TRCA's Crossing Guideline for Valley and Stream Corridors, and ensure consistent policies and standards are in place to facilitate hydrologic function (e.g. prevent flooding) and ecological connectivity (e.g. wildlife passage). See map 7 for priority crossings as projects are planned.

Improve the management of excess soils and prevent fill deposition that is incompatible with the soils and hydrology of the area by:

- ensuring adequate policies are in place to manage excess soil
- improving compliance and enforcement of policies through collaboration between TRCA and municipalities
- conducting education and outreach on:
 - the importance of proper soil management
 - existing regulatory requirements
 - regulatory responsibilities of various agencies, including who to contact with concerns.

Municipalities, in collaboration with other levels of government and TRCA, work to reduce the amount of chlorides entering the watershed by:

- continuing to implement best management practices for winter de-icing procedures on public property
- continuing education and outreach on salt management for private property.

LAND USE OBJECTIVE 2: Install and upgrade stormwater infrastructure using best available technologies to reduce runoff, resulting in improved water balance and water quality

Municipalities, through stormwater master planning continue to: employ best management practices for stormwater management and consistent design criteria to manage runoff quantity and quality

- consider stormwater rate payer fees for cost recovery
- examine opportunities to retrofit outdated stormwater infrastructure and install stormwater controls in areas without controls through long-term planning and investment strategies
- refine existing policies to ensure modern stormwater controls are required
- adaptively manage stormwater infrastructure through operation maintenance schedules and procedures.

Municipalities, in collaboration with TRCA, to develop mechanisms to track the status and effectiveness of stormwater management infrastructure.

For new development, require hydraulic analysis and erosion threshold assessments downstream of potential stormwater management facilities that need to demonstrate no negative, or adverse, downstream impacts, prior to municipal approvals.

Explore opportunities to enhance stormwater management in the South Ajax Flood Vulnerable Area by retrofitting infrastructure to meet modern stormwater design criteria, as much as possible, given site characteristics.

LAND USE OBJECTIVE 3: Manage the risks of natural hazards through appropriate mitigation measures and restoration

For new developments, geomorphic studies will be undertaken to assess and refine meander belt widths, erosion hazard corridor and erosion thresholds to identify future planform and assist in siting of infrastructure.

TRCA, in collaboration with municipal partners, to prioritize the restoration of the erosion hazard sites identified on map 3. Additional channel restoration, or increased stream bank protection may be required as preventative measures in areas downstream of new developments.

Municipalities, in collaboration with TRCA, will identify potential hazard risks to sewer and existing road infrastructure associated with in-stream creek erosion.

Implement the appropriate flood mitigation measures for the Pickering Beach community in the Town of Ajax.

TRCA, in collaboration with municipalities, to educate property owners in high flood risk areas about proper lot level practices (e.g. removing hydraulic impairments).

TRCA to complete comprehensive floodplain mapping based on new models and best available information to inform land use and infrastructure decisions.

LAND USE OBJECTIVE 4: Encourage the use of agricultural best management practices to minimize agricultural runoff and improve rural land stewardship

In collaboration with the agricultural community and provincial ministries, TRCA and municipal partners to identify opportunities to expand best management practices that reduce agricultural runoff and improve water management, such as:

- use cover crops and/or leave crop residue
- adopt no till farm practices during non-growing season
- conduct soil testing for nutrients and adjust fertilizer application rates, if required.

In collaboration with the agricultural community and provincial ministries, TRCA and municipal partners to identify opportunities to improve rural land stewardship best management practices through:

- natural buffers between agricultural lands and natural and/or water resource features, and areas

- implementation of Environmental Farm Plans and other rural land stewardship programs (e.g. TRCA's Rural Clean Water Programs)
- education/outreach about the benefits of utilizing best management practices to improve habitat (e.g. meadows for sensitive bird species).

DRAFT MANAGEMENT RECOMMENDATIONS

Goal: Protect, enhance and restore the Natural Heritage System and urban forest within the watershed to improve ecosystem resilience and sustainability

NATURAL HERITAGE SYSTEM OBJECTIVE 1: Improve the quality and quantity of the Natural Heritage System across the watershed through ecosystem protection, enhancement and restoration, and implementation of relevant policies

- Municipalities, in collaboration with TRCA, will ensure the protection, enhancement and restoration of the enhanced Natural Heritage System (map 1) by:
- updating Official Plan policies and associated zoning by-laws to adequately protect the enhanced Natural Heritage System
 - assessing existing standards and guidelines for land use and infrastructure development to ensure they reflect current provincial policy direction to maintain, restore or enhance the Natural Heritage System
 - minimizing infrastructure development in the enhanced Natural Heritage System, with the exception of stormwater outfalls and low impact development technologies
 - adopting municipal policies for ecosystem compensation, in accordance with TRCA's Guideline for Ecosystem Compensation, where development in the enhanced Natural Heritage System is unavoidable
 - applying a minimum 30 metre vegetation protection zones along features at the boundary of the enhanced Natural Heritage System to protect ecological function
 - ensuring development and redevelopments be designed and approved to prevent encroachment into the enhanced Natural Heritage System.

TRCA, in collaboration with municipalities, to prioritize the restoration of the terrestrial sites identified on map 3, which have been selected for contributing to the following criteria:

- increasing habitat quantity
- enhancing habitat quality and connectivity
- ensuring biodiversity persists
- adapting for climate vulnerabilities.

TRCA, in collaboration with municipalities, to explore opportunities to secure the sites identified on map 4 for ecological protection and to increase public land ownership and connectivity along the main channel of Carruthers Creek south of Taunton Road.

TRCA and municipalities to regularly update their trail guidelines and standards for consistency, and to ensure that any new, or modifications to existing trails, use best practices, such as prioritizing the use of boardwalks in sensitive areas (e.g. wetlands), and methods to ensure trail users stay on marked trails (e.g. signage, barriers to humans, but not other species, and limited access during breeding season).

TRCA, in collaboration with municipalities, to minimize impacts to the enhanced Natural Heritage System from recreation and community access by:

- ensuring proper trail management and signage
- education and outreach on the importance of the Natural Heritage System
- promoting community stewardship to maintain and monitor the Natural Heritage System for improper trail usage (e.g. off-trail compaction and erosion), illegal dumping and invasive species, while encouraging community restoration programs (e.g. tree plantings).

Wetland water balance studies that demonstrate how the hydrological function of the wetland should be protected will be undertaken by the landowner for any potential future growth in the areas identified in map 5, or other areas identified during subwatershed planning, prior to any planning approvals.

NATURAL HERITAGE SYSTEM OBJECTIVE 2: Ensure habitat exists for native terrestrial species to thrive throughout the watershed

Municipalities, TRCA, landowners and other agencies collaborate to manage problematic invasive species.

TRCA continue to work with landowners to restore meadow habitat areas in support of open country bird species at risk, in accordance with the terrestrial restoration priorities identified on map 3.

NATURAL HERITAGE SYSTEM OBJECTIVE 3: Increase the urban forest cover within the developed portion of the watershed to improve social and environmental well-being

Municipalities, in collaboration with TRCA, to update existing urban forest studies and consolidate a comprehensive study that:

- accounts for all public and private lands
- develops targets for public and private lands for inclusion in an urban forest strategy
- develops indicators for the quality and quantity of the urban forest for inclusion in an urban forest strategy.

Municipalities, in collaboration with TRCA, to develop a comprehensive urban forest strategy that:

- enhances tree and soil conservation in accordance with Preserving and Restoring Healthy Soil: Best Practices for Urban Construction at any new development, or redevelopment, (e.g. Carruthers Creek Business Area), and on regional roads and operational facilities (e.g. along Taunton Road) as depicted on map 7
- focuses urban forest tree planting programs in the Town of Ajax as depicted on map 7
- encourages an urban forest with diverse tree species and class sizes
- ensures consistent policies and by-laws for tree conservation on public and private lands
- explores opportunities to increase the capacity of the Region of Durham to implement an Urban Forest Strategy consistent with this management recommendation
- encourages participation in knowledge-sharing and collaboration through the Regional Public Works Commissioners of Ontario's Urban Forestry Sub-working Group and Ontario's Municipal Arborist and Urban Foresters Association
- includes urban forest targets for existing developed areas and any future development as part of the strategy.

Goal: Protect, enhance and restore the areas and features that make up the Water Resource System (including aquatic habitat) for ecosystem resilience and sustainability

WATER RESOURCE SYSTEM OBJECTIVE 1: Implement appropriate policies and programs that protect, enhance and restore the areas and features that comprise the Water Resource System

Municipalities, in collaboration with TRCA, to ensure the protection of the Water Resource System (map 2) and its functions by:

- updating Official Plans and zoning by-laws to adequately protect the Water Resource System
- assessing existing standards and guidelines for land use and infrastructure development to ensure they reflect current provincial policy direction to protect, enhance and restore the quality and quantity of water.

TRCA, in collaboration with municipal partners, to consolidate mapping data layers for all components of the Water Resource System.

TRCA, in collaboration with municipal partners, to prioritize the restoration of the aquatic sites identified on map 3, which have been selected for contributing to the following criteria:

- enhancing habitat quality and watershed connectivity
- ensuring biodiversity persists
- improving watershed resiliency to climate change.

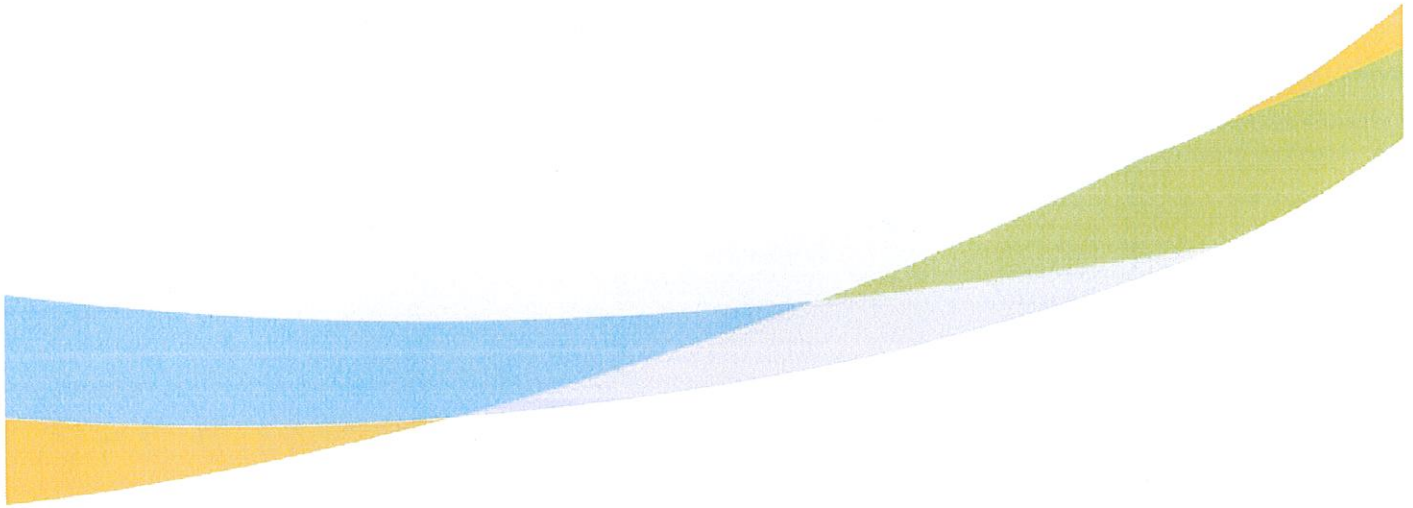
If it is determined that a Settlement Area Boundary Expansion is required in the headwaters of Carruthers Creek, in accordance with Growth Plan policies, it must be demonstrated, through a subwatershed plan (or equivalent) that:

- key hydrologic features will be avoided
- appropriate mitigation measures can be implemented at key hydrologic areas to maintain downstream hydrologic function
- there will be no negative or adverse downstream effects in terms of flooding or erosion.

WATER RESOURCE SYSTEM OBJECTIVE 2: Promote aquatic habitat connectivity to facilitate native fish movement throughout the watershed

Remove the six priority barriers to fish movement identified in map 8.

Identify and implement avoidance, conservation, design and mitigation measures for the protection and/or recovery of Redside Dace and its habitat, in accordance with Guidance for Development Activities in Redside Dace Protected Habitat (MNR 2016). For activities that affect Redside Dace habitat, consult with MECP and DFO to determine requirements under species at risk legislation.



**Carruthers Creek Watershed Plan
Communications and Consultation Summary
Phase 2, Stage 2**

October 2019

Table of Contents

1	Context for This Report	1
2	Communications and Consultation for Phase 2	2
2.1	Public Process Objectives	2
2.2	Audiences for Communications and Consultation: Who was consulted?	2
3	Communications and Consultation Activities: What methods were used?.....	3
4	What we Heard.....	4
5	Conclusion	5
6	Appendix 1.....	6
7	Appendix 2.....	7

1 Context for This Report

Carruthers Creek is a relatively small watershed with a drainage area of approximately 38 km², ranging from 2-3km in width and 18km in length (See Appendix 1). It is the easternmost watershed in Toronto and Region Conservation Authority's jurisdiction and is located entirely within the Region of Durham with a population of approximately 41,000 residents. Carruthers Creek's headwaters form to the south of the Oak Ridges Moraine, in the City of Pickering, and the creek enters Lake Ontario in the Town of Ajax. The watershed is mainly rural north of Highway 7 and urbanized south of Taunton Road to the lakeshore. From Highway 7 south to Taunton Road, the majority of lands are in the Protected Countryside of the provincial Greenbelt.

Toronto and Region Conservation Authority (TRCA), in partnership with the [Region of Durham](#) is undertaking an update to [the last Watershed Plan for Carruthers Creek](#), which was completed in 2003. TRCA will assess the many changes and impacts which have occurred in the Carruthers Creek watershed since 2003 and review the current conditions of the watershed through a multi-year process. The updated Watershed Plan will not make decisions about land use however; it will make recommendations for the protection, restoration, enhancement and overall management of the watershed that will guide future decision making for the watershed.

The goal of communication and consultation is to inform and consult with the public and stakeholders in and neighbouring the watershed to create awareness about the updated Watershed Plan and to review and consider input as the watershed plan progresses. TRCA hired a third party Consultation Advisor to ensure an independent, credible consultation process. Public input is important to establish the updated Watershed Plan [Vision Statement](#) and to consider public and stakeholder feedback on Management Recommendations. A new Watershed Plan will aim to protect Carruthers Creek's ecological health now and for years to come.

Phase 1 of the project, which culminated in the preparation of seven peer-reviewed technical reports characterising the watershed's existing conditions, was completed in Fall 2017. Phase 1 did not include public consultation as the work was completed by technical staff. Phase 2 of the Carruthers Creek Watershed Plan update has been initiated; the process is shown in Table 1.

Table 1: Phase 2 Key Tasks for updating the Watershed Plan

1	Establish updated goals and objectives for the watershed.
2	Based on the conditions observed through Phase 1 and other watershed health assessments, develop targets for the watershed and identify the actions required to achieve the goals and objectives.
3	Establish watershed response methodologies / assessments that will be used to measure how the watershed could be expected to respond to changes in land use and other factors, such as climate change.
4	Develop, model and evaluate five scenarios for the watershed, consisting of historic conditions, existing conditions, approved development (as per current Official Plan designations), enhanced natural heritage system, and a development scenario with an enhanced natural heritage system.
5	Formulate and evaluate candidate management actions to achieve the desired state of watershed health.
6	Develop Management Recommendations.
7	Deliver the completed Watershed Plan.

As part of Phase 2, TRCA is undertaking extensive stakeholder and public consultation. Consultation will occur in stages throughout Phase 2 of the Watershed Plan update and will follow the [Carruthers Creek Watershed Plan Communications and Consultation Strategy](#). The *Communications and Consultation Strategy* was received by [Durham Regional Council](#) in May 2018, and time lines were refined at Council's request in June 2018. It is a dynamic document that is adapted to respond to communications and consultation needs and opportunities as the work proceeds.

Phase 2, Stage 1 involved updating the Vision which will guide this new Watershed Plan. During this initial stage, communications and consultation were undertaken to seek input on the Vision for the Watershed Plan. Consultation in Phase 2, Stage 2 had the main objective of soliciting feedback on the draft Management Recommendations and Phase 2, Stage 3 will solicit feedback on the draft Watershed Plan, including the technical work completed as part of Phase 2. The [Carruthers Creek Watershed Plan Communications and Consultation Summary \(Phase 2, Stage 1\)](#) was received by [Durham Region Planning and Economic Development Committee](#) in May 2019.

This report is a compilation of the communications and consultation by TRCA on Phase 2, Stage 2 which were undertaken from October 1, 2018 to October 18, 2019. It outlines the public process objectives which guided the communications and consultation and describes the methods and activities used to inform and consult the public and stakeholders.

2 Communications and Consultation for Phase 2

2.1 Public Process Objectives

A key objective of Phase 2, Stage 2 was to continue to promote awareness and interest in the watershed planning process. Durham Region and TRCA are committed to a process to develop the Watershed Plan that provides opportunities for residents and stakeholders to learn about the health of the watershed and to share issues and ideas for protecting the health of Carruthers Creek watershed.

The purpose of the consultation for Phase 2, Stage 2 was to:

- Continue to raise awareness about the Carruthers Creek Watershed Plan.
- Continue to inform partners, stakeholders, and the public about the watershed planning process.
- Gather feedback on the draft Management Framework (including Goals, Objectives, Indicators, Targets, and Management Recommendations) that was developed by integrating Phase 1 and Phase 2 technical work.

2.2 Audiences for Communications and Consultation: Who was consulted?

The Region of Durham, Town of Ajax, and City of Pickering (Councils, Staff and Advisory Committees) have a key role in protecting the health of the watershed and implementing the 2003 Watershed Plan and the new updated plan. As such, the groups mentioned above are a key audience and stakeholder in all stages of the watershed planning process and some were already actively engaging the public on issues they identified within the Carruthers Creek watershed prior to the initiation of the Watershed Plan update.

The Carruthers Creek Watershed Plan will also be of interest to residents across Ajax and Pickering (in and neighbouring the Carruthers Creek watershed), environmental stakeholders, land owners, farmers, golf course operators, businesses, and land developers.

Various audiences have different levels of knowledge of, and interest in, the watershed and communications and consultation methods were geared to these different audiences. Methods utilized are outlined in Section 3 of this report.

Additional stakeholders expected to be affected by, and who will have an interest in, this Watershed Plan continue to be identified as work to develop the plan progresses.

3 Communications and Consultation Activities: What methods were used?

The communications and consultation efforts used various formats and tools to share information and gather input. The following provides an overview of the communications and consultation methods used during Phase 2, Stage 2 and should be read in conjunction with Section 4 of this report which describes what was heard.

Carruthers Creek Watershed Plan Project Website: The website yoursay.ca/carruthers-creek was developed for the Carruthers Creek Watershed Plan update as a mobile device-friendly online portal for information on watershed features, current issues, technical work completed as part of the Watershed Plan, and projects occurring in the watershed. Also, regular blog posts help to inform the public about various aspects of the Plan including technical work, consultation, and general watershed news. As part of Stage 2, 15 blog posts were uploaded on the website. The website provides information on how the Plan is being developed, identifying the Phases of work, and includes feedback mechanisms for receiving comments. From October 1, 2018 (the end of Phase 2, Stage 1) to October 18, 2019 (end of Phase 2, Stage 2) the website has received approximately 1400 visits and there has been 845 individual downloads of the various documents uploaded in the Reports and Resources section of the website.

Dedicated Carruthers Creek email – carruthers@trca.on.ca: A dedicated email address was established for the Carruthers Creek Watershed Plan update to provide a single point of contact for residents and stakeholders to provide input. This dedicated email address was promoted through a media release and post cards distributed throughout the watershed. TRCA's Project Manager receives, responds to, and documents emails from this address.

Online Survey: No online survey was completed during Phase 2, Stage 2. To see information about the Comment Form completed as part of the Public Open House process, please see *Public Open House* section below.

Post Cards: A post card was developed and distributed by TRCA, the Town of Ajax and the City of Pickering at public events since October 2018 to raise awareness of the Watershed Plan and direct people to the project website and project email address. Over 2000 postcards have been distributed since the initiation of Phase 2 consultation.

Public Open Houses: A Public Open House was hosted on October 8, 2019 in Ajax and on October 10, 2019 in Pickering. TRCA staff with technical expertise, public outreach training and experience facilitated the open houses and presented the [Information Panels](#) to attendees. Each open house consisted of five interactive stations that focused on the watershed planning process. These stations included:

- Watershed planning station that described what a watershed is and what the watershed planning process is and why it is important. This station also gave a brief introduction about the Carruthers Creek watershed.

- Watershed characterization station that described the current conditions of the Carruthers Creek watershed and the main issues identified throughout the technical work.
- Scenario analysis station that presented mapping of the scenarios developed for analysis and the implications the scenarios would have on the watershed.
- Next steps station that encouraged participants to submit their feedback and questions on a [Comment Form](#). This station also described what the timeline and next steps are for the watershed plan process.

The open houses were effective at raising awareness of the watershed plan and at soliciting feedback on the draft Management Framework. 50 residents attended the open houses and the materials were downloaded 71 times on the Project Website during the comment period. In total, 16 Comment Forms were completed and submitted. When asked how well the Public Open Houses described the process and purpose of watershed planning, 64% of respondents answered “Well” and 27% answered “Very Well”.

Staff to Staff meetings: Regular update meetings were held between staff of Region of Durham, Town of Ajax, City of Pickering, and TRCA. The meetings provide an opportunity for broad discussion related to the Carruthers Creek Watershed Plan amongst different departmental staff from each municipality. Further, TRCA regularly coordinates directly with municipal staff through teleconferences, emails and correspondence on a variety of issues and technical studies throughout the process. Group meetings will continue at regular intervals and key milestones throughout Stage 3. A comprehensive list of the communications and consultation activities undertaken for Phase 2, Stage 2, including all municipal partner meetings, can be seen in Appendix 2.

Presentations/Reports to Councils and Committees: TRCA presented to Councils and Advisory Committees to provide an overview of the watershed planning process, information on the health of the watershed, and to seek feedback on the draft Management Framework. Presentations to Councils and Committees were effective for clarifying the purpose and approach for the watershed planning process and receiving input.

Presentations and/or reports were presented to the following groups:

- Town of Ajax Community Affairs and Planning Committee
- City of Pickering Planning and Development Committee
- Durham Region Planning and Economic Development Committee
- TRCA Regional Watershed Alliance
- TRCA Board of Directors
- Ajax-Pickering Board of Trade Eco-business Advisory Committee

A comprehensive list of the communications and consultation activities undertaken for Phase 2, Stage 2, including all presentations to Councils, Committees, and Boards, can be seen in Appendix 2.

4 What we Heard

Key goals of Phase 2, Stage 2 of the communications and consultation were to promote awareness of the watershed planning process, to inform the public and stakeholders on how they could provide input, and to solicit feedback on the draft Management Framework. Generally, the feedback received on the draft Management Framework was positive with suggestions for clarification or additions that will be considered in the draft Watershed Plan. Public input received throughout Phase 2, Stage 2 could be categorised in four key topics as follows:

1. Discussion and understanding of the watershed planning process including clarification on how the watershed plan will inform land use decisions
2. Clarification on how the recommendations identified in the Draft Management Framework will be implemented and what is the timeline for their implementation
3. Importance of ongoing engagement, education and stewardship to protect, enhance, and restore the watershed
4. Protection of existing greenspaces.

The four key topics heard throughout the public consultation undertaken in Phase 2, Stage 2 will be addressed in the Watershed Plan in the following ways:

1. Clarification on how watershed plans inform land use decisions will be included in a dedicated section in the Watershed Plan. This section will also provide a summary of the policy basis about the function of watershed plans in relation to provincial planning policy (i.e. Provincial Planning Policy, Growth Plan, Greenbelt Plan, etc.) and will break down the role of municipalities as well as Conservation Authorities.
2. Monitoring is vital to the successful implementation of watershed plans. A dedicated section of the Watershed Plan will discuss ongoing monitoring and evaluation that will help to track the implementation of the Plan's management recommendations.
3. The Watershed Plan identifies engagement, education and stewardship as an important aspect of the Management Framework. Some of the programs recommended in the Plan include a program to educate homeowners in high flood risk areas about lot level best practices, rural land stewardship to engage the agricultural community on best management practices, educational signage, and community stewardship to maintain recreational trails and restore priority restoration sites.
4. Protection and enhancement of the Natural Heritage System (NHS) and the Water Resource System (WRS) are main goals of the Watershed Plan. A dedicated section of this Plan will describe both systems, and the importance of their protection, in detail.

5 Conclusion

This report is a compilation of the communications and consultation by TRCA on Phase 2, Stage 2 which were undertaken from October 1, 2018 to October 18, 2019. It outlines the public process objectives which guided the communications and consultation and describes the methods and activities used to inform and consult the public and stakeholders. It also describes what was heard and how public input will be reflected in the Management Framework and draft Watershed Plan. As the watershed plan continues to develop, consultation and communication with partners, stakeholders, and the public will be an important tool in helping to create the final Carruthers Creek Watershed Plan.

We would like to give our sincere gratitude to everyone who took the time and effort to become involved in the Carruthers Creek Watershed Plan by sending in their questions and comments, attending meetings, and submitting a Comment Form during Phase 2, Stage 2 consultation. All of your efforts and passion will help develop a new Watershed Plan that will protect, restore, enhance, and manage the Carruthers Creek watershed now and in the future. You can continue to be involved as the Watershed Plan progresses by visiting <https://yoursay.ca/carruthers-creek> to stay up-to-date and submit any questions/comments you may have.

6 Appendix 1

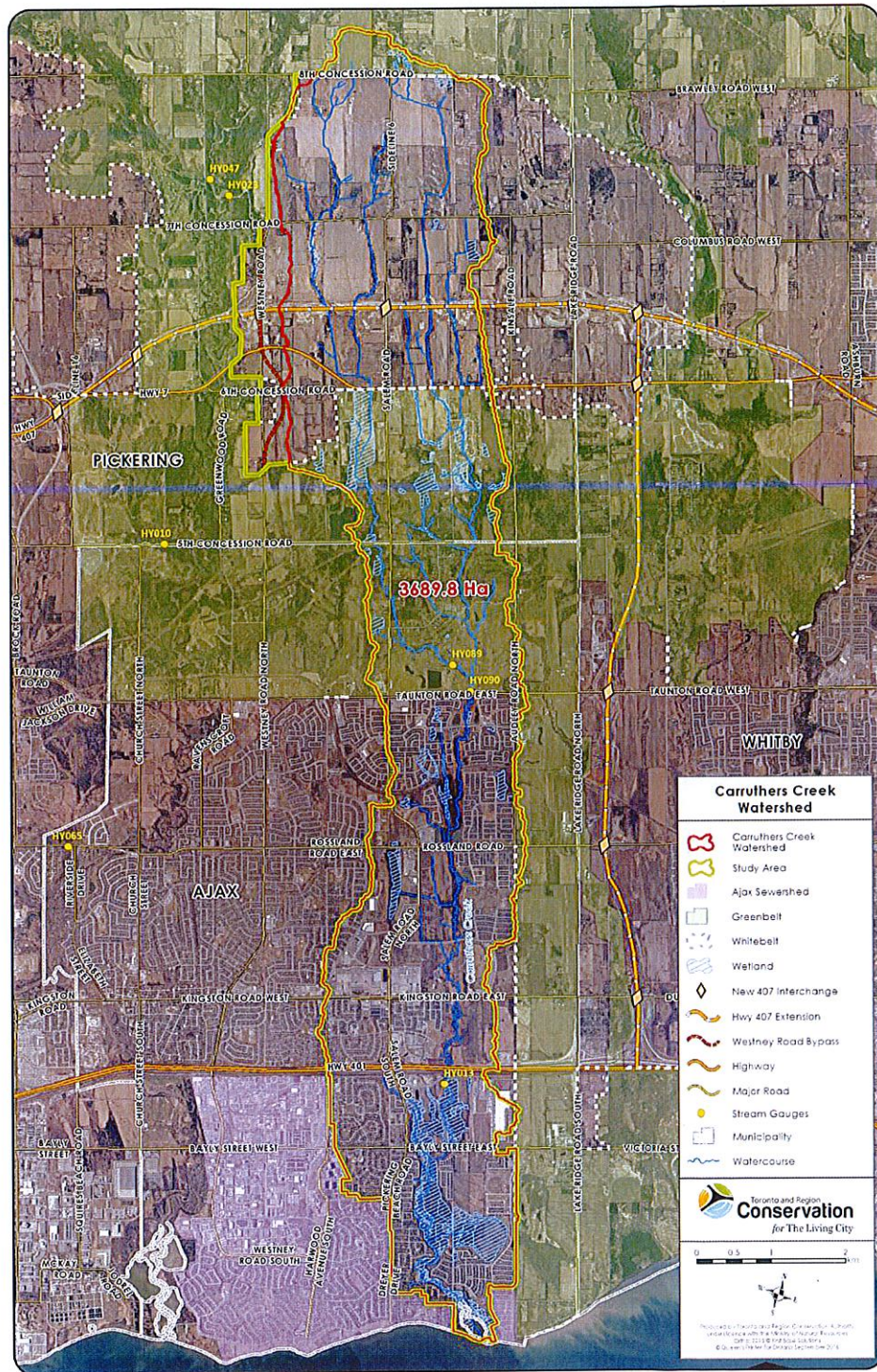


Figure 1: A map of the Carruthers Creek watershed and study area for the updated Carruthers Creek Watershed Plan.

7 Appendix 2

Table 2 –Phase 2, Stage 2 Communications and Consultation Activities

	Phase 2, Stage 2 Consultation Activities	Date
1	Staff to Staff meeting: Pickering and Ajax staff	30 October 2018
2	Staff to Staff meeting: Durham staff	30 November 2018
3	Staff to Staff meeting: Ajax staff	15 January 2019
4	Staff to Staff meeting: Durham staff	19 February 2019
5	Presentation to Watershed Planning and Big Data Workshop hosted by Pollution Probe and Council of the Great Lakes	26 February 2019
6	Staff to Staff meeting: Pickering staff	4 March 2019
7	Presentation to TRCA Regional Watershed Alliance	15 March 2019
8	Staff to Staff meeting: Durham, Pickering and Ajax staff	21 March 2019
9	Staff to Staff meeting: Durham staff	18 April 2019
10	Presentation and staff report to Region of Durham Planning and Economic Development Committee	7 May 2019
11	Staff to Staff meeting: Durham, Pickering and Ajax staff	8 May 2019
12	Presentation to Ajax-Pickering Board of Trade Eco-business Advisory Committee	28 May 2019
13	Presentation and staff report to Town of Ajax Community Affairs and Planning Committee	3 June 2019
14	Presentation to City of Pickering Planning and Development Committee	17 June 2019
15	Staff to Staff meeting: Durham, Pickering and Ajax staff	25 June 2019
16	Staff to Staff meeting: Durham staff	24 July 2019
17	Staff to Staff meeting: Durham, Pickering and Ajax staff	1 August 2019
18	Presentation and staff report to TRCA Regional Watershed Alliance	11 September 2019
20	Staff to Staff meeting: Durham, Pickering and Ajax staff	19 September 2019
21	Staff report to TRCA Board of Directors	27 September 2019
22	Public Open House Materials posted on Project Website	7 October 2019
23	Public Open House - Ajax	8 October 2019
24	Public Open House - Pickering	10 October 2019

If you require this information in an accessible format, please contact The Regional Municipality of Durham at 1-800-372-1102 ext. 3560.



November 26, 2019

Lisa Trevisan, Director, Central Region
Ministry of the Environment, Conservation and Parks
Place Nouveau
5775 Yonge Street, Floor 8
Toronto, Ontario M2M 4J1

and

Heather Malcolmson, Director (Acting),
Environmental Assessment and Permissions Branch
Ministry of the Environment, Conservation and Parks
135 St. Clair Avenue West, Floor 1
Toronto, Ontario M4V 1P5

Dear Ms. Trevisan and Ms. Malcolmson:

**RE: Durham/York Energy from Waste Project
Submission of the 2019 Odour Management and Mitigation Monitoring Report
Environmental Assessment Condition 18
MECP File #: EA-08-02**

In accordance with Condition 18.5 of the Environmental Assessment (EA) Notice of Approval for the Durham York Energy Centre (DYEC), we are pleased to submit the enclosed DYEC 2019 Odour Management and Mitigation Monitoring Report covering the period from November 2018 through October 2019.

In accordance with the Notice of Approval 8.8(j), this submission will be forwarded to the Energy from Waste Advisory Committee for information. It will also be posted to the [Durham York Energy Centre website](http://durhamyorkwaste.ca) (durhamyorkwaste.ca) in accordance with Environmental Compliance Approval Condition 7(14)(c).

We trust that this report meets the expectations of the Ministry of the Environment, Conservation and Parks (MECP) as outlined in the EA Notice of Approval.

If you require additional information, please contact the undersigned.

Sincerely,

Original signed by:

Mirka Januszkiewicz, P.Eng.
Director, Waste Management Services

The Regional Municipality of Durham
905-668-7711 extension 3464
Mirka.Januszkiewicz@durham.ca

Original signed by:

Laura McDowell, P.Eng.
Director, Environmental Promotion
and Protection

The Regional Municipality of York
905-830-4444 extension 75077
Laura.McDowell@york.ca

Original signed by:

Matthew Neild, Facility Manager
Covanta Durham York Renewable
Energy Limited Partnership
905-404-4030
MNeild@covanta.com

- c. C. Dugas, Manager, York Durham District Office, MECP
P. Martin, Supervisor, Air, Pesticides, and Environmental Planning, MECP
E. O'Leary, Environmental Resource Planner and Environmental Assessment
Coordinator, Air, Pesticides, and Environmental Planning, MECP
P. Dunn, Senior Environmental Officer, York Durham District Office, MECP
J. Butchart, Issues Project Coordinator, York Durham District Office, MECP
G. Battarino, Special Project Officer, Project Coordination, MECP
A. Huxter, Environmental Specialist, Covanta
Energy from Waste Advisory Committee (EFWAC)
C. Raynor, Regional Clerk, The Regional Municipality of York
R. Walton, Regional Clerk, The Regional Municipality of Durham

Enclosure

**Town of Whitby****Office of the Town Clerk**

575 Rossland Road East, Whitby, ON L1N 2M8

www.whitby.ca

November 29, 2019

Via Email:

Honourable Steve Clark, Minister of Municipal Affairs and Housing
steve.clark@pc.ola.org

Re: Gas Tax Funds

Please be advised that at a meeting held on November 25, 2019, the Council of the Town of Whitby adopted the following as Resolution # 322-19:

Whereas Canada has responded to the climate change emergency through commitments to a zero carbon future;

And Whereas there are global and national shifts in reducing greenhouse gas emissions from transportation by reducing reliance on fossil fuel powered vehicles; and,

And Whereas the Gas Tax Funds, which are permanent and much valued sources of funding for municipal infrastructure priorities, derives funding from fossil-fuel taxation, the use of which will be reduced in the coming years as dependence on them decreases. Now therefore be it resolved:

1. That the Council of the Town of Whitby requests the Federal Government and Provincial Government ensure that funding for municipalities through their Gas Tax Funds remains sustainable to facilitate effective service delivery and infrastructure maintenance by having the funds supplemented through means other than the taxation of gas and diesel;
2. That the Federal Government and Provincial Government consider renaming their Gas Tax Funds to reflect more sustainable sources of funding;
3. That the Federal Government and Provincial Government consider providing a set dollar amount or an increasing percentage of revenue to municipalities as the reliance on fossil fuels is reduced; and,
4. That the Clerk be directed to circulate this resolution to the Region of Durham, Durham Region local municipalities, MPP Lorne Coe, MP Ryan Turnbull, AMO and FCM.

Should you require further information, please do not hesitate to contact the Planning and Development Department at 905.430.4306.



Kevin Narraway
Manager of Legislative Services/Deputy Clerk

Copy: R. Saunders, Commissioner of Planning and Development

M.P. Ryan Turnbull - Ryan.Turnbull@parl.gc.ca

M.P.P. Lorne Coe - lorne.coe@pc.ola.org

Ralph Walton, Regional Clerk, Region of Durham - clerks@durham.ca

Association of Municipalities of Ontario (AMO) (General)

amo@amo.on.ca

Federation of Canadian Municipalities - info@fcm.ca

N. Cooper, Director of Legislative and Information services, Town of Ajax -

Nicole.cooper@ajax.ca

B. Jamieson, Township of Brock - bjamieson@townshipofbrock.ca

A. Greentree, Municipal Clerk, Municipality of Clarington - clerks@clarington.net

M. Medeiros, City Clerk, City of Oshawa - mmedeiros@oshawa.ca

S. Cassel, City Clerk, City of Pickering - clerks@pickering.ca

J. Newman, Municipal Clerk, Township of Scugog - jnewman@scugog.ca

D. Leroux, Clerk, Township of Uxbridge - dleroux@town.uxbridge.on.ca



Town of Whitby

Office of the Town Clerk

575 Rossland Road East, Whitby, ON L1N 2M8

www.whitby.ca

November 29, 2019

Re: Office of the Chief Administrative Officer Report, CAO 31-19
Hospital Task Force Update

Please be advised that at a meeting held on November 25, 2019, the Council of the Town of Whitby adopted the following as Resolution # 330-19:

1. That Report CAO 31-19 regarding an update from the Hospital Task Force be received;
2. That initial funding for the 2020 Hospital Task Force initiative be referred to the 2020 Capital Budget as a decision item; and,
3. That the Town Clerk forward a copy of Report CAO 15-19 to the Premier of Ontario, all Durham Region MPP's, the Minister of Health and Long Term Care, the Regional Chair and the CEO of Lakeridge Health.

Should you require further information, please do not hesitate to contact Sarah Klein, Director of Strategic Initiatives at 905.430.4300, extension 4338.

A handwritten signature in black ink, appearing to read 'Kevin Narraway'.

Kevin Narraway
Manager of Legislative Services/Deputy Clerk

Attach: CAO 15-19

Copy: R. Saunders, Commissioner of Planning and Development

Honourable Doug Ford, Premier of Ontario – premier@ontario.ca

Honourable Christine Elliott, Minister of Health and Long Term Care -
christine.elliott@pc.ola.org

J. Henry, Regional Chair, Regional Municipality of Durham – chair@durham.ca,

M. Anderson, CEO, Lakeridge Health – mandersson@lh.ca

Honourable Lindsey Park, M.P.P, Durham - lindsey.park@pc.ola.org

Honourable Lorne Coe, M.P.P., Whitby- lorne.coe@pc.ola.org
Honourable Peter Bethlenfalvy, M.P.P. - Pickering-Uxbridge -
peter.bethlenfalvy@pc.ola.org
Honourable Jennifer French, M.P.P., Oshawa - JFrench-CO@ndp.on.ca
Honourable Rod Phillips, M.P.P., Ajax - rod.phillipsco@pc.ola.org
Honourable Laurie Scott, M.P.P., Haliburton-Kawartha Lakes-Brock -
laurie.scottco@pc.ola.org



Town of Whitby Staff Report

whitby.civicweb.net

Report Title: Lakeridge Health Hospital – Whitby Site

Report to: Council

Date of meeting: May 27, 2019

Report Number: CAO 15-19

Department(s) Responsible:

Office of the Chief Administrative Officer

Submitted by:

Matt Gaskell, Chief Administrative Officer

Acknowledged by M. Gaskell, Chief Administrative Officer

For additional information, contact:

Roger Saunders, Commissioner of Planning, ext. 4309

Sarah Klein, Director of Strategic Initiatives, ext. 4338

1. Recommendation:

1. That Council endorse a Whitby location on the southwest quadrant of Baldwin Street and Highway 407 as the future site of the new Lakeridge Health Acute Care hospital; and,
2. That the Town Clerk forward a copy of Report CAO 15-19 to the Premier of Ontario, all Durham Region MPP's, the Minister of Health and Long Term Care, the Regional Chair and the CEO of Lakeridge Health.

2. Highlights:

- Whitby Council has consistently been supportive of establishing a full service hospital in the Town of Whitby.
- Due to its central location in the Region, distance from current full service hospitals and the availability of land that will be fully serviced to meet the required timeframes, the Town of Whitby is the optimal location for Lakeridge Health's next full service (acute care) hospital.
- The Town has agreed to a land exchange in the vicinity of Baldwin Street and Highway 407 with Fieldgate Developments. The land exchange

provides land to the Town of Whitby for the development of a recreation complex and Fieldgate Developments with lands that are designated for a Health Precinct which provide the optimal location and adequate space for a full service hospital. Fieldgate Developments has expressed to Lakeridge Health the potential of providing these lands for a hospital.

- Staff have been in discussions with various stakeholders to facilitate the transportation network and municipal servicing required for this area.
- The Whitby site for a Health Precinct/full service hospital at Baldwin Street and Highway 407 is readily available and has the following key, site-suitability attributes:
 - Large site size (approximately 45 acres);
 - Centrally located within the regional urban areas of Durham's lakeshore municipalities;
 - Adjacent to the Highway 407 Interchange with frontage on an Arterial road, in close proximity to all amenities, with access to public transit;
 - Adjacent to a future recreation complex making this area a community hub that is in close proximity to significant residential growth;
 - Serviceable; and
 - No environmental constraints.
- The Town intends to work collaboratively with all stakeholders regarding provision of health facilities for its growing community, including a full service hospital in Whitby. To that end, it is recommended that staff establish a Hospital Task Force to develop the business case for Lakeridge Health and the Province to secure the Whitby site as the location for the next full-service hospital in Durham.

3. Background:

Following the closure of the Whitby Hospital on Gordon Street in the late 1990's, Whitby Council has consistently sought to re-establish a full service hospital to serve its growing population. Although Lakeridge Health has maintained the site on Gordon Street as a clinic (e.g. dialysis; palliative care; outpatient care), a full service hospital in Whitby is still needed, given the large population growth experienced in the past 20 years, and to accommodate the 2031 forecasted population of approximately 193,000.

In 2011, Whitby Council passed a resolution (No. 73-11) to ***“re-affirm its support for a new, centrally located full service hospital in Whitby”***.

In 2012, Kevin Empey, President & CEO, Lakeridge Health, made a presentation to Whitby Council regarding the future of health care services in Durham Region, highlighting the philosophy to increase efficiency, but also improve quality while continuing within the current funding envelope. It was indicated at that time, that funding from the Province (for a full service hospital) was being pursued and that there were ongoing conversations with the Ministry of Health regarding building new hospitals in Bowmanville, Oshawa and Whitby within a fifteen-year time frame.

In 2017, Council approved the Age Friendly Action Plan, which identified a hospital in Whitby as a top priority for seniors in the community. In 2017, the Town also completed its municipal comprehensive review of the Whitby Official Plan (OPA 105), which included a specific policy to establish a 'Health Precinct' central to the Whitby community – further reaffirming the Town's commitment to protect health facilities lands, including a full service hospital, in the vicinity of Highway 407 and Baldwin Street.

In 2018, the Region of Durham approved the Brooklin Community Secondary Plan (OPA 105), which also includes specific policies to enable a Health Precinct to be established in the vicinity of Highway 407 and Baldwin Street (outlined in more detail below).

Earlier this year, the Town agreed to a land exchange with Fieldgate Developments in the vicinity of Highway 407 and Baldwin Street, to facilitate and expedite the implementation of the Health Precinct. The Town will also be commencing the Environmental Assessment required for the 'mid-block arterial' road, which will provide municipal services to the site.

4. Discussion:

Lakeridge Health is currently developing a master plan, which includes plans for a new comprehensive acute care hospital. The ultimate goal of the master plan is to be patient focused, community informed, and reflective of Durham's growing and diverse populations. The Town of Whitby is eager to partner with the Province and Lakeridge Health to secure an acute care hospital in Whitby.

As identified in Attachment 3, Fieldgate Developments has indicated that it has been in discussions with Lakeridge Health about the possibility of providing lands for a hospital near Baldwin Street and Highway 407 (consistent with the Brooklin Community Secondary Plan) (see Attachment 2). Fieldgate has also indicated that it intends to work collaboratively with the Town regarding the planning, design and construction of the mid-block arterial road required for development in that area.

An acute care hospital at Baldwin Street and Highway 407 would support the mandate of the Ministry of Health and Long Term Care. A Whitby hospital would support a patient-focused, results-driven, integrated and sustainable publicly funded health system. An additional hospital in Durham is needed to sustain good health, deliver good care when people need it and protect the health system for

future generations. The Town of Whitby is supportive of an acute care hospital in north Whitby and supports the Ministry in continuing to invest in health care to ensure that all Ontarians can get quality health care faster, when and where they need it.

An acute care hospital in Whitby would also align with the following Strategic Directions outlined in Lakeridge Health's 2019-2024 Strategic Plan:

- Improving population health by promoting health and wellness strategies that foster healthier communities;
- Improving individual health care by delivering high quality care in community settings; and,
- Creating an integrated system of care by leading the transformation to a connected and integrated system of care in Durham Region, strategies that foster healthier communities.

Lakeridge Health's Strategic Plan identifies that Durham Region's growth will double from 680,000 in 2016 to 1.2 million in 2041. Whitby will be one of the fastest growing municipalities during this time and a full service hospital would not only assist in meeting the current and increasing demands due to growth of the Region, but will also be centrally located to address the growth in West Whitby and Brooklin (see Attachment 1).

Furthermore, the proposed Whitby hospital site fully addresses the integrated system of care and compliments the current acute care hospital locations. Currently, Lakeridge Health has four acute care hospital locations – Ajax Pickering, Bowmanville, Oshawa and Port Perry. The Ajax Pickering, Bowmanville and Oshawa locations are all located in the south portions of the municipalities; geographically, a Whitby site, located in the north and close to transit infrastructure is the optimal site to compliment the current services and address population growth and service demands across the Region. The newly announced north Pickering Health and Wellness Centre enhances health services in the north-west area of the Region further making the case for a north-Whitby location.

The Town of Whitby is looking to build a recreation complex adjacent to the Health Precinct site owned by Fieldgate Developments. These lands are in a prime location in the Region and development would serve as a significant community hub enhancing the overall health and wellness for the community and providing care close to home.

Staff will be coordinating the creation of a Task Force to support the development of the business case demonstrating that Whitby is the optimal choice for the future hospital site. Staff will report back to Council on the composition and progress of the Task Force which will be led by the Strategic Initiatives Division. The Task Force should include Town of Whitby staff, community members and agency representatives.

As many municipalities will desire the next full service hospital in their community, this will be a competitive process. In order to put forward the best case for the Town and ensure the best chance of success, this process will require full support of Council and unity in decision making.

The further development of the business case would include components related to the proposed site, alignment with official plans, servicing and access. Details on these matters are listed below:

Highway 407 & Baldwin Street Site

The subject lands at Highway 407 and Baldwin Street (refer to Attachment #1) have the following key attributes for establishment of a Health Precinct/full service hospital:

- Large site size (+/-18.4 hectares; 45.5 acres), consisting of only three (3) parcels which can easily be consolidated;
- Located in close proximity to Highway 407; less than 1km from Highway 407/Baldwin Street interchange;
- Access from three (3) Arterial Roads (Ashburn Road; Baldwin Street and the future 'mid-block' arterial road);
- Access to public transit;
- Adjacent to a future Town of Whitby recreation complex;
- Environmental Assessment (EA) for 'mid-block' arterial road commencing in 2019;
- Key landowners working collaboratively with the Town (i.e. co-proponents) regarding the EA process for the 'mid-block' arterial;
- Municipal water/sanitary servicing will be extended to the site via the 'mid-block' arterial road, following completion of the EA;
- Centrally located within the regional urban areas of Durham's lakeshore municipalities (Pickering, Ajax, Whitby, and Oshawa);
- No environmental (i.e. natural heritage/natural hazard) constraints and located outside the Central Lake Ontario Conservation's regulated area; and
- Land use planning policies (Durham Regional Official Plan and Whitby Official Plan) permit a full service hospital use.

The subject lands are located in close proximity to other major health, education, and commercial facilities, including:

- Lakeridge Health Whitby – 10+/- km
- Lakeridge Health Oshawa – 13+/- km
- Lakeridge Health Ajax/Pickering – 17+/- km
- Lakeridge Health Port Perry – 22+/- km
- Uxbridge Cottage Hospital – 28+/- km
- University of Ontario Institute of Technology (UOIT) / Durham College – 9.1+/- km
- Winchester and Baldwin Commercial Area – 1 km
- Brock and Taunton Commercial Area – 3 km
- Garden and Taunton Commercial Area – 4 km

Land Use Planning Durham Regional Official Plan

The land use designations in the Durham Regional Official Plan (ROP), Town of Whitby Official Plan (WOP) and the Brooklin Community Secondary Plan would permit health facilities, including a full service hospital on the subject lands. In particular, the ROP indicates that cultural and health facilities shall be directed to locations that are visible and accessible to residents of the Region, preferably in close proximity to existing and future transit routes.

More specifically, the Whitby OP and Brooklin Community Secondary Plan have designated the lands as 'HP' – Health Precinct Special Policy Area (refer to Attachment #2), with associated policies to enable implementation of health facilities, including a full service hospital in Whitby. Section 11.5.21.1 of the OP states that the Health Precinct "shall be developed as a cluster of health and medical related facilities, including research and development facilities and related uses in a highly visible and accessible location in proximity to Highway 407".

Although the lands are currently zoned 'A' – Agricultural in the Town's Zoning By-law 1784, the Town's Zoning By-law includes a general provision that would permit a 'public use', such as a public hospital, in any zone category (excerpt below).

(a) Public Uses

(ii) The provisions of this By-law shall not apply to the use of any land or to the erection or use of any building or structure for the purpose of the public service by ... any department of the Government of Ontario,

Current Surrounding Land Uses

The subject lands are currently surrounded by the following land uses:

North: Highway 407 corridor (incl. future Transitway; future commuter parking lot/future maintenance facility); residential/agricultural use, and vacant parcel (zoned to permit cemetery use); designated as "Business Park"

South: Hydro Corridor; designated "Major Open Space"

East: vacant (former agricultural use); designated as "Prestige Industrial" and "Natural Heritage System"

West: agricultural use; designated as "General Industrial"

Municipal Servicing and Access

Full municipal services (water/wastewater) would be extended to the lands via a 'mid-block' arterial road, following the completion of the Environmental Assessment for the road. The Brooklin Transportation Master Plan included a preliminary analysis for the potential location of the mid-block arterial road that would connect Britannia Avenue in Oshawa with Cochrane Street in Whitby. The final alignment of the mid-block arterial road will be determined through an Environmental Assessment, which will commence in 2019. The mid-block arterial road will provide additional road frontage for the site.

The subject lands would have frontage on three (3) arterial roads: Baldwin Street South (Type 'C'); Ashburn Road (Type 'C'); Future 'mid-block' (Type 'B') arterial road. The lands are less than one (1) kilometer from Highway 407, with immediate access to a highway interchange, and are less than 9 kilometers from Highway 401. Public transit (Durham Region Transit Route 302; GO Transit Bus) is available along the Baldwin Street corridor with connections to Whitby GO Station (Major Transit Station – Lakeshore East corridor).

5. Financial Considerations:

The Environmental Assessment for the mid-block arterial road is identified in the Council approved Capital Forecast. Landowner(s) may also contribute to the costs of the EA.

6. Communication and Public Engagement:

A communications plan and marketing campaign would be developed to increase awareness and support for an Acute Care Hospital in North Whitby. This plan would be developed by Staff in collaboration with the Task Force and community partners.

7. Input from Departments/Sources:

The Planning Department, Corporate Services Department, Strategic Initiatives Division and Corporate Communications Division provided input into the development of this Report.

8. Strategic Priorities:

a. Council Goals

The establishment of an acute care hospital aligns with Council's 2018-2022 Goals, in particular:

- To deliver local jobs and prosperity through strategic planning and promotion that builds resilience and economic diversity.
- To ensure Whitby is clearly seen by all stakeholders to be business and investment friendly and supportive; and to continuously improve the customer experience and the effectiveness and efficiency of communications, service delivery and approvals.
- To remain the community of choice for families and become the community of choice for seniors and job creators; and to focus new growth around the principles of strong, walkable and complete neighbourhoods that offer mobility choices.

b. Corporate Strategic Plan and Strategic Priorities

This initiative would also align with the Town's Corporate Strategic Plan, in particular:

1. People

We will foster an inclusive environment where employees can experience job satisfaction and rewarding careers.

1.4 Attract and retain top talent

2. Organization

We will be a high performing, innovative, effective and efficient organization.

2.3 Develop and utilize comprehensive business and financial planning processes

2.5 Enhance our efforts at informing and engaging staff and community

3. Customer (note: customer is defined as both external and internal)

We will provide a consistent, optimized and positive customer service experience.

3.1 Design service delivery around customer needs

9. Attachments:

Attachment #1a – Location Sketch Within Region of Durham

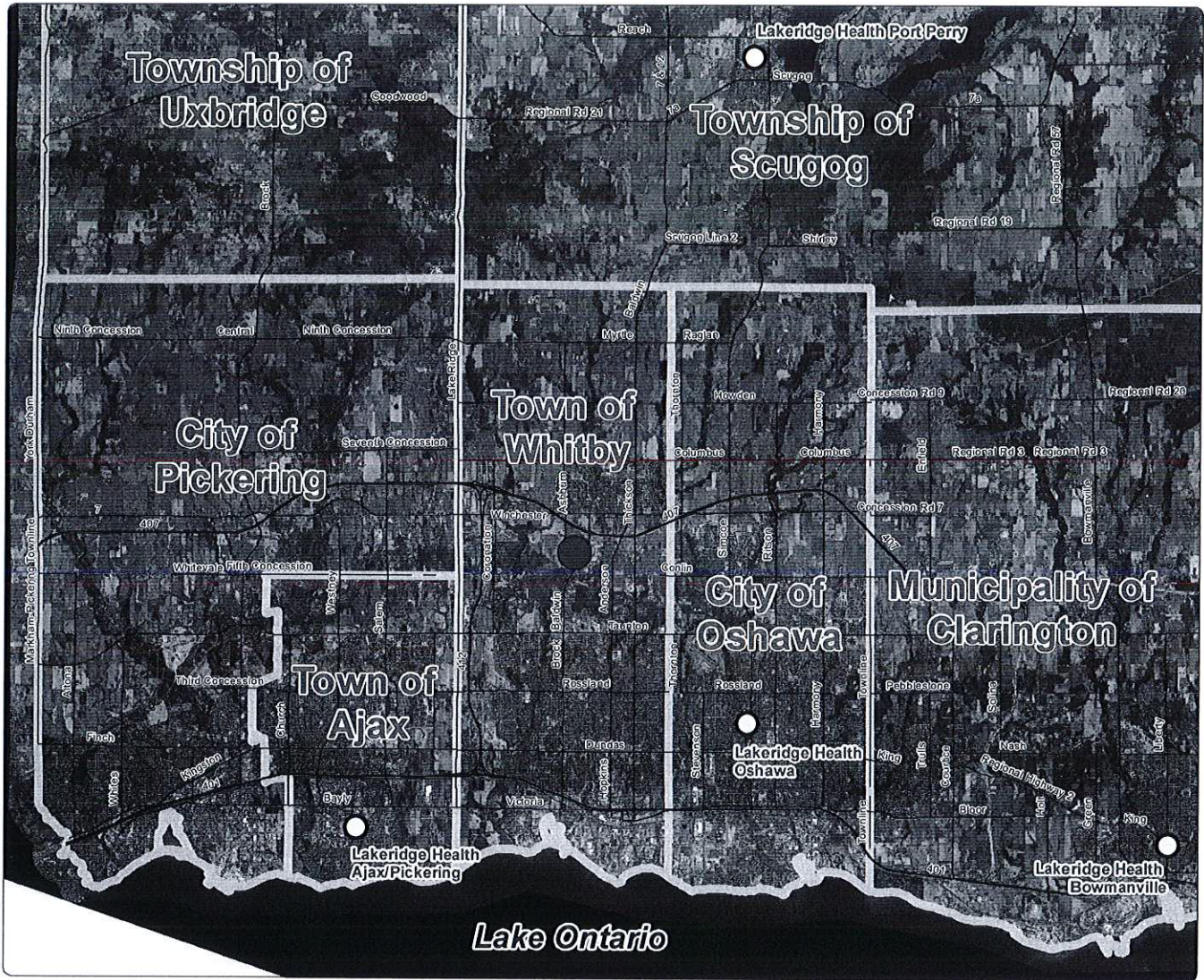
Attachment #1b – Subject Land

Attachment #2 – Excerpt from Brooklin Community Secondary Plan

Attachment #3 – Letter from Fieldgate Developments


Attachment #1a

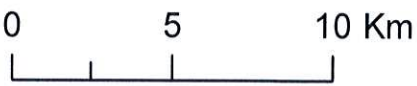
Location Within the Region of Durham



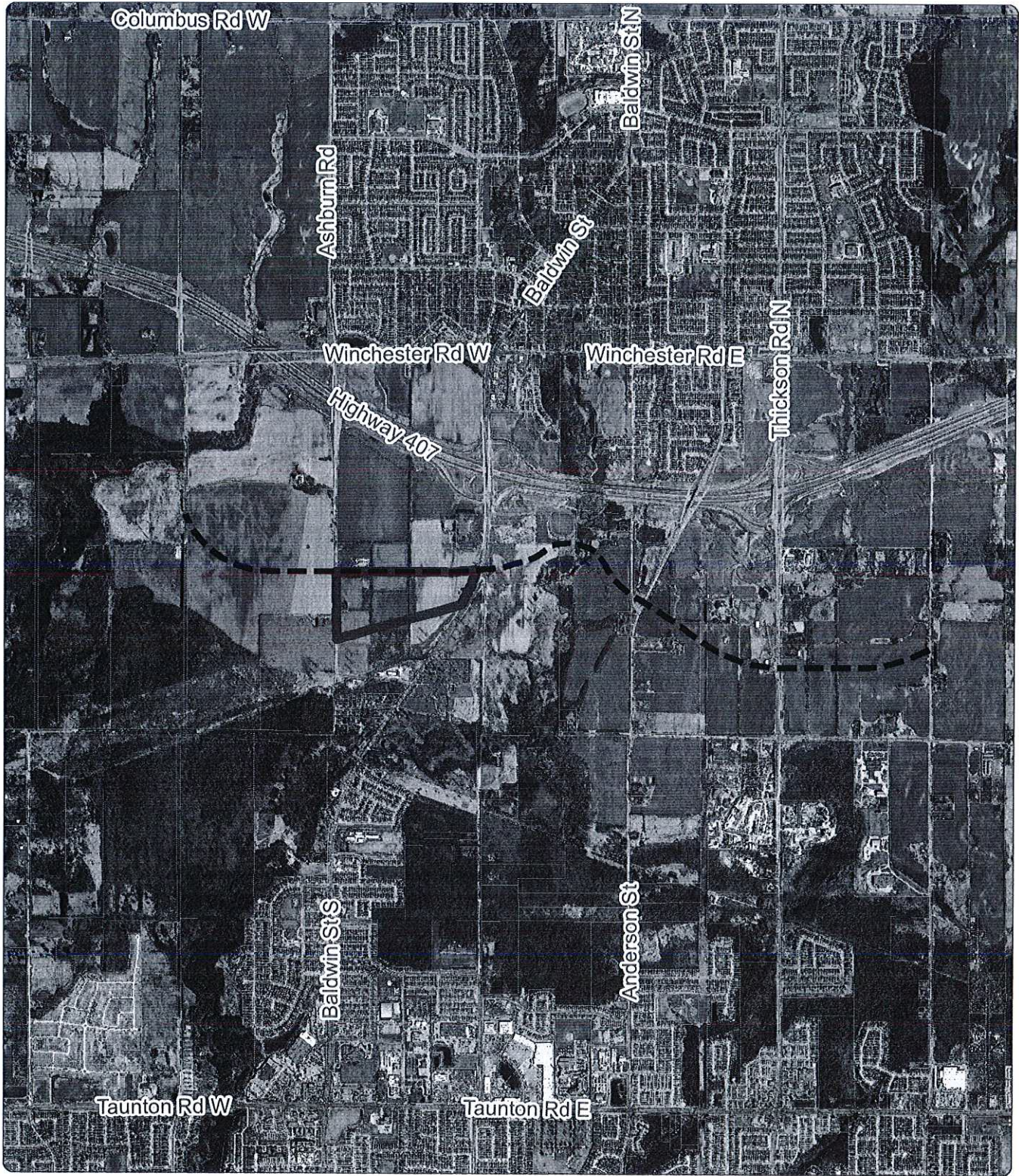
Legend

- Existing Hospital Sites
- Subject Land
- Major Roads
- Municipal Boundaries





Attachment #1b Subject Land



Legend

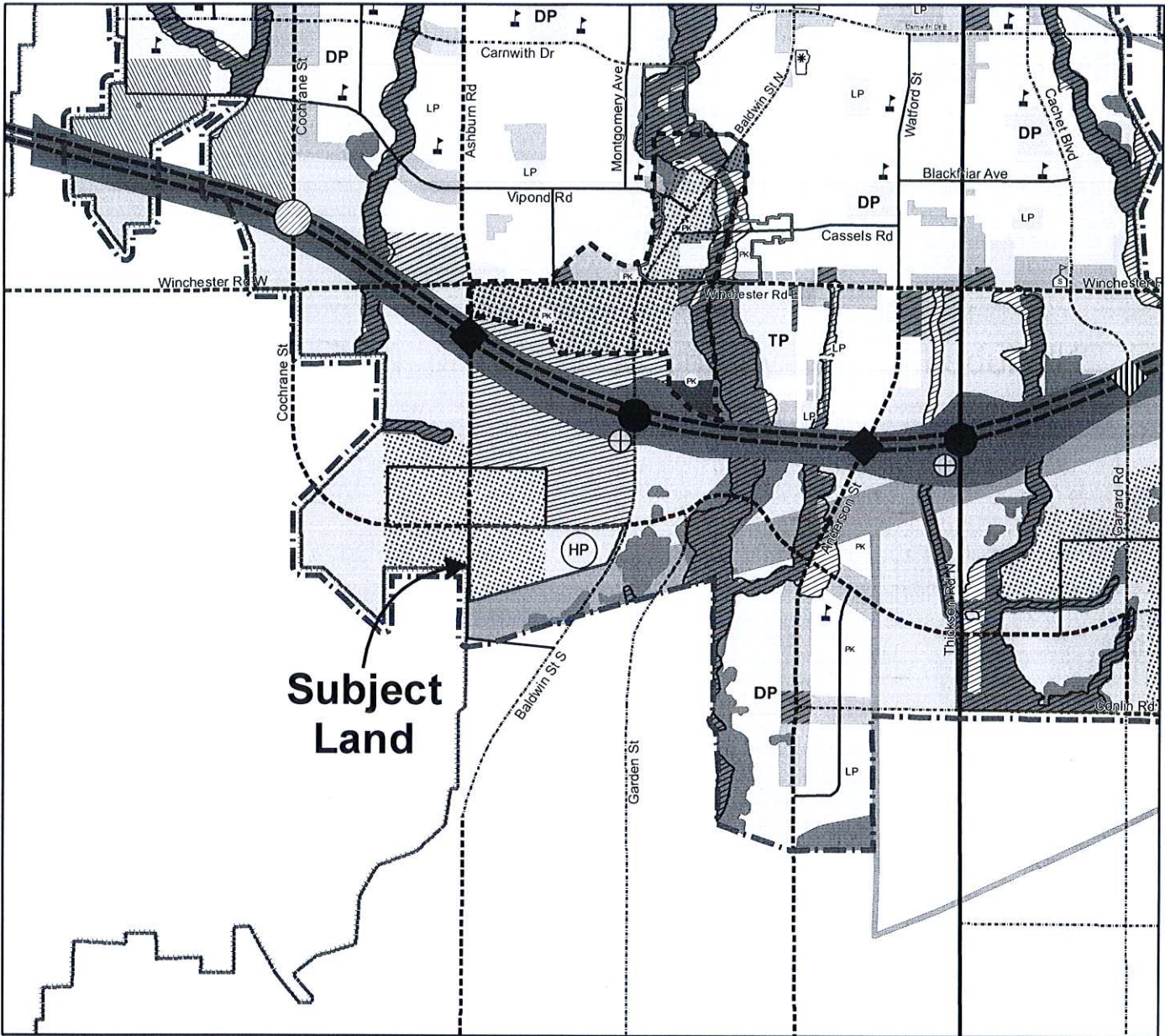
- ■ ■ Proposed Mid-Block Arterial
- Parcel Fabric
- Subject Land



0 250 500 1,000 m

Attachment #2

Excerpt from Town of Whitby Secondary Plan Schedule 'K'



LEGEND:

Low Density Residential	General Industrial	Natural Heritage System	Controlled Access Highway (Freeway)
Medium Density Residential	Lands subject to Durham Regional Official Plan Policy 14.13.7	L Linkage in NHS	Type A Arterial
High Density Residential	Major Open Space	Natural Hazards	Type B Arterial
Local Commercial	DP District Park	Utility	Type C Arterial
Special Purpose Commercial	LP Local Park	HP Health Precinct Special Policy Area	Collector Road
Heritage Commercial	PK Parkette	Community Central Area	Greenbelt Plan Boundary
Major Commercial	TP Town Park	Major Central Area	Full Interchange
Mixed-Use 1 - Community Central Area	Institutional	Heritage Conservation District Boundary	Potential Interchange (Subject to Further Study)
Mixed-Use 2 - HCD	Secondary Schools	Secondary Plan Boundary	Grade Separation
Mixed-Use 3	Elementary Schools	Lands Subject to Policy 11.5.32.3	Potential Grade Separation
Prestige Industrial			Future Transitway Station
Business Park			

Brooklin Community Secondary Plan

Official Plan Schedule
Town of Whitby **K**



0 95 190 380 570 760 Metres

**FIELDGATE
DEVELOPMENTS**

5400 Yonge Street, Suite 501
Toronto, ON M2N 5R5
Tel.: (416) 227-9005
Fax: (416) 227-9007

April 2, 2019

Town of Whitby
575 Rossland Road East
Whitby, ON
L1N 2M8

Attention: Matthew Gaskell, Chief Administrative Officer

Dear Mr. Gaskell:

RE: Hospital Precinct Lands, Whitby

Fieldgate Developments has been in discussions with Lakeridge Health about the possibility to provide lands for a hospital within north Whitby which would serve Durham Region and surrounding municipalities. Specifically, the lands are identified as Hospital Precinct within the Brooklin Secondary Plan and are generally located south of 407 and west of Baldwin. We believe that this is an ideal location for a hospital given its central location within the region and ease of accessibility.

In accordance with the Brooklin Secondary Plan a mid-block collector is necessary for the development of this area and to further increase accessibility to the lands. To optimize a favorable outcome, Fieldgate would like to begin the planning, design and construction of this mid-block road in the near term. We will continue to work collaboratively with the Town to achieve this.

Thanks for your consideration.

Yours very truly,
FIELDGATE DEVELOPMENTS


Jack Eisenberger
President

RW:mh

Lydia Gerritsen

From: Afreen Raza
Sent: December 3, 2019 3:24 PM
To: Lydia Gerritsen
Subject: FW: Draft Watershed Plan Updates are ready for review!

From: Central Lake Ontario Conservation (CLOCA) <ggeissberger@cloca.com>
Sent: Tuesday, December 3, 2019 1:59 PM
To: Ralph Walton <Ralph.Walton@durham.ca>
Subject: Draft Watershed Plan Updates are ready for review!



**Our DRAFT Watershed Plan Updates are
ready for review**

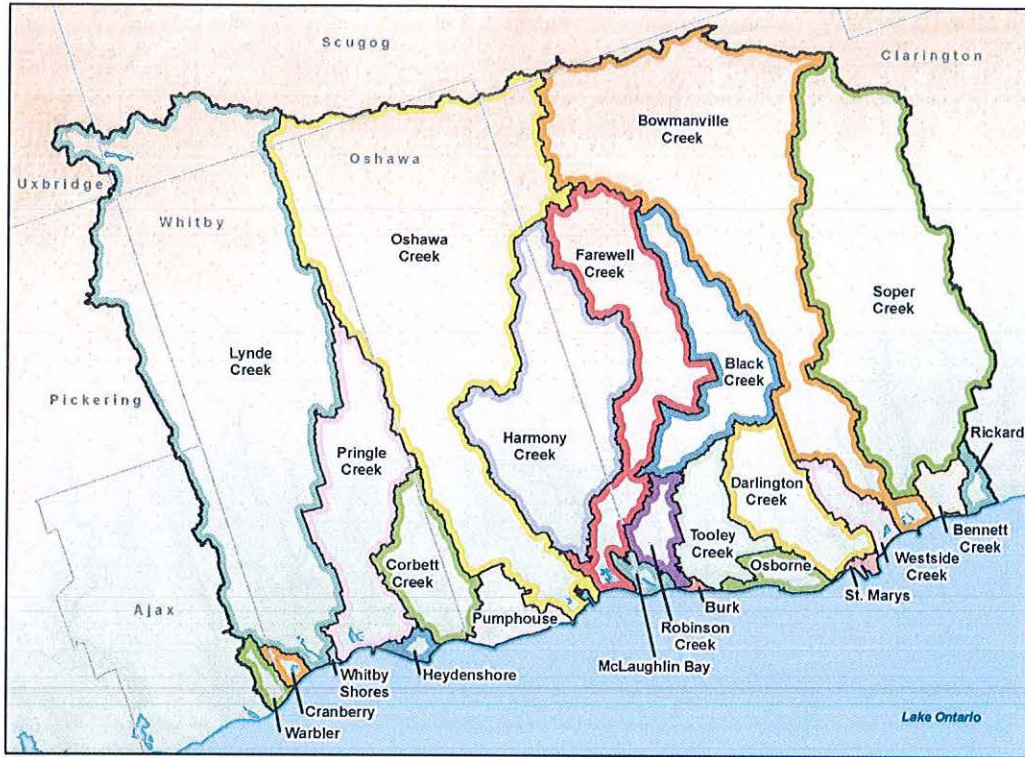
And we want to hear from you!

With funding support from the Region of Durham, Central Lake Ontario Conservation (CLOCA) has completed DRAFT Watershed Plan Updates for the Lynde Creek, Oshawa Creek, Black/Harmony/Farewell Creek and the Bowmanville/Soper Creek watersheds.

When conditions change within our watersheds, such as growth, new infrastructure and climate change, our watershed plans need to be updated to respond to the changing conditions. Everyone lives in a watershed, so your input is important!

As part of our engagement strategy, to help us better understand your needs and interests, we've created our Healthy Watersheds Actions (HWA) Survey to determine how we can facilitate your positive Actions (see [Virtual Open House](#)). If we know what you are willing and able to do, we can better prioritize where we need to invest our time and resources.

[Go straight to survey](#)



Central Lake Ontario Conservation's watersheds

Review our jurisdiction map above to determine which of our watersheds you live in.



Update highlights

The [DRAFT Watershed Plans](#) have been updated to reflect current conditions, and have been organized according to a new watershed planning framework. Highlights include:

- Updated existing conditions
- New watershed plan vision
- Introduction of a new watershed planning framework that helps link actions to results and ultimate outcomes
- Expansion of watershed health Targets and Indicators, and identification of corresponding Goals and Objectives that are both measurable and actionable

- Assessment of change in status of watershed health indicators between 2012 and 2017 relative to established goals
- Three new overarching strategies that will be used to achieve the goals
- Identification of a suite of existing and new Actions and tools for CLOCA, municipalities and the broader community that are clearly linked to achieving watershed health goals and objectives



We want your input!

Engagement and consultation are a vital component to these Updates. We encourage you to provide input through the online [Virtual Open House](#) that will be open until December 20, 2019.

CLOCA will also be hosting an in-person Public Information Centre at our main office at 100 Whiting Ave., Oshawa on **Wednesday, December 11, 2019**, from 1 p.m. to 7 p.m.; presentations will be held at 1:30 p.m. and 6 p.m.

Virtual Open house

For more information, please contact:

Jamie Davidosn, Acting Director, Watershed Planning & Natural Heritage

905-579-0411, ext. 114

[Email: jdavidson@cloca.com](mailto:jdavidson@cloca.com)



Copyright © 2019 Central Lake Ontario Conservation, All rights reserved.

You are receiving this email because you opted in to receive Central Lake Ontario Conservation's Watershed Chronical E-Newsletter and Events.

Our mailing address is:

Central Lake Ontario Conservation
100 Whiting Avenue
Oshawa, ON L1H 3T3
Canada

[Add us to your address book](#)

Want to change how you receive these emails?
You can [update your preferences](#) or [unsubscribe from this list](#).



Eastern Ontario Mayors' Caucus

Representing the 11 separated towns and cities of Eastern Ontario

Eastern Ontario Mayors' Caucus Motion RE: Rising Water Levels Nov 20, 2019

MOVED BY: Mitch Panciuk, Mayor, City of Belleville

SECONDED BY: Brett Todd, Mayor, Town of Prescott

WHEREAS Lake Ontario has reached record or near-record high water levels in the spring of 2019 as a result of heavy precipitation and the International Joint Commission's (IJC) plan 2014, which then resulted in record high inflows from Lake Erie and above-average runoff within the Lake Ontario basin;

WHEREAS the IJC is disputing claims that Plan 2014 is responsible for historically high water levels in the area, but has said that they plan to "investigate options" that could now be taken to reduce water levels before next spring;

WHEREAS the EOMC recognizes that continually rising local water levels have impacted many communities along Lake Ontario and the St. Lawrence Seaway as well as residents with shoreline properties experiencing erosion;

WHEREAS property owners and municipalities have been required to take extraordinary measures to protect their properties, and that all work along shoreline properties requires owners to obtain permission from local Conservation authorities;

THEREFORE BE IT RESOLVED THAT the EOMC call upon the International Joint Commission (IJC) to immediately take action to repeal Plan 2014 and revert to Plan 1958-DD to control the water flowing from Lake Ontario and into the St. Lawrence Seaway, which has the effect of keeping water levels lower in the lower lakes;

AND THAT EOMC call on the Provincial and Federal governments to provide support and financial assistance for municipalities and property owners affected by rising water levels;

AND THAT the EOMC send correspondence to the members of the ICJ, local Members of Parliament and Members of Provincial Parliament, the Eastern Ontario Warden's Caucus, the Association of Municipalities of Ontario and the Great Lakes and St. Lawrence Cities Initiative -a coalition of U.S. and Canadian mayors and local officials working to advance the protection and restoration of the Great Lakes and St. Lawrence River.

AND THAT the IJC commit to a regular flow of communication with municipalities and property owners affected by rising water levels in Eastern Ontario.

CARRIED

Signed by: Bryan Paterson, Chair
November 20, 2019



The Honourable Doug Ford
Premier of Ontario
Premier's Office
Room 281
Legislative Building
Queen's Park
Toronto, ON M7A 1A1

Dear Premier:

November 29th 2019

Re: Resolution from the Township of Springwater – Conservation Authority Levies

Please be advised that on November 27th the Town of Plympton-Wyoming Council passed the following motion to support the Township of Springwater motion (attached) that was passed on October 16th 2019.

Motion #7 – Moved by Bob Woolvett, Seconded by Gary Atkinson that the Council of the Town of Plympton-Wyoming supports the resolution of the Township of Springwater regarding the Conservation Authority Levies.

Motion Carried.

If you have any questions regarding the above motion, please do not hesitate to contact me at the number above or by email at ekwarciak@plympton-wyoming.ca.

Sincerely,

Erin Kwarciak
Clerk
Town of Plympton-Wyoming

Cc: Renee Chaperon, Clerk – Township of Springwater
The Honourable Doug Ford, Premier of Ontario
Jeff Yurek, Minister of Environment, Conservation and Parks
Conservation Ontario
All Ontario Municipalities
Association of Municipalities of Ontario (AMO)

October 21, 2019

Nottawasaga Valley Conservation Authority
8195 8th Line
Utopia ON, L0M 1T0

RE: Conservation Authority Levies

Please be advised that at its meeting of October 16, 2019, Council of the Township of Springwater passed the following resolution:

C456-2019

Moved by: Coughlin

Seconded by: Cabral

Whereas the Township of Springwater supports the objects of balance on conservation, environmental stewardship, and sustainability to anchor its operations, planning, services, and strategic vision;

And Whereas the Township of Springwater understands the need for both the Province and its municipalities to deliver clear, costed, and sustainable programs and services for taxpayers;

And Whereas both tiers of government must assess all programs and services to eliminate duplication and balance costs on tests of affordability, health, safety, and environmental stewardship;

And Whereas the Minister of Environment, Conservation, and Parks signaled on August 16, 2019 of a need for conservation authorities to re-focus their operations related to core mandates as currently defined in the Conservation Authorities Act, 1990, R.S.O. 1990, c. C.27 and its prescribed regulations;

And Whereas the Minister of Environment, Conservation, and Parks signaled on August 16, 2019 that Conservation Authorities should not proceed with any increases to fees or levies;

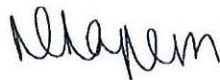
Therefore Be It Resolved That the Township of Springwater supports any Provincial effort to require its municipal levy only apply to core mandated programs and services;

And That this resolution be forwarded to Premier Doug Ford, the Minister of the Environment, Conservation, and Parks, the Honourable Jeff Yurek, the County of Simcoe, all Ontario municipalities, the NVCA and Ontario's other 35 Conservation Authorities, and Conservation Ontario, signaling the Township of Springwater's

support of the Province's review, consultations and development of an updated Conservation Authorities Act and the willingness to participate in all consultations and submissions to the same.

Carried

Sincerely,



Renée Chaperon
Clerk
/cp

cc. Doug Ford, Premier of Ontario
Jeff Yurek, Minister of Environment, Conservation and Parks
The County of Simcoe
Conservation Ontario
Ontario municipalities
Ontario Conservation Authorities

Phone: 705-728-4784
Ext. 2015

Clerk's Department

Fax: 705-728-6957

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2097.

The Regional Municipality of Durham

MINUTES

DURHAM AGRICULTURAL ADVISORY COMMITTEE

November 12, 2019

A regular meeting of the Durham Agricultural Advisory Committee was held on Tuesday, November 12, 2019 in Boardroom 1-B, Regional Municipality of Durham Headquarters, 605 Rossland Road East, Whitby at 7:30 PM

Present: Z. Cohoon, Federation of Agriculture, Chair
F. Puterbough, Member at Large, Vice-Chair attended the meeting at 7:45 PM
T. Barrie, Clarington left the meeting at 8:22 PM
N. Guthrie, Member at Large
B. Howsam, Member at Large
K. Kemp, Scugog
G. O'Connor, Member at Large attended the meeting at 7:33 PM
D. Risebrough, Member at Large
H. Schillings, Whitby
B. Smith, Uxbridge
G. Taylor, Pickering
T. Watpool, Brock, Vice-Chair attended the meeting at 7:32 PM
B. Winter, Ajax

Absent: D. Bath-Hadden, Regional Councillor was absent due to municipal business
K. Kennedy, Member at Large
P. MacArthur, Oshawa

Staff

Present: A. Caruso, Senior Planner, Transportation Planning, Department of Planning and Economic Development left the meeting at 8:40 PM
K. Kilbourne, Senior Planner, Department of Planning and Economic Development
C. Leitch, Principal Planner, Transportation Planning, Department of Planning and Economic Development
G. Pereira, Manager, Transportation Planning, Department of Planning and Economic Development
N. Prasad, Committee Clerk, Corporate Services – Legislative Services

1. Adoption of Minutes

Moved by B. Winter, Seconded by B. Smith,
That the minutes of the Durham Agricultural Advisory Committee meeting held on October 8, 2019 be adopted.

CARRIED

2. Declarations of Interest

There were no declarations of interest.

3. Delegations

A) Highway of Heroes Tree Campaign – April Stevenson and Mike Hurley

A. Stevenson and M. Hurley provided a PowerPoint Presentation regarding the Highway of Heroes Tree Campaign.

M. Hurley stated that the Highway of Heroes Tree Campaign is to plant 2,000,000 trees between Trenton and Toronto, representing one tree for every Canadian that has served during times of conflict since Confederation. He advised that 117,000 of the most prominent trees will be planted adjacent to the stretch of Highway 401 known as the Highway of Heroes and advised that their goal is to achieve \$10 million in pledges by 2020.

M. Hurley further stated that there is a Private Landowner Partnership Program where qualified landowners could receive a subsidy that covers 80-90% of planting costs. A. Stevenson advised that to qualify for the program, properties must be within 15 km of the Highway of Heroes and properties with 2.5 acres or more of mostly open land will be given preference. She advised that once qualified, the program provides the following: site assessment; planting plan created; project estimate preparation; 15-year landowner agreement; planting scheduled; spring tree planting; and fall follow-up survival assessments. M. Hurley also provided an overview of the Managed Forest Tax Incentive Program (MFTIP). To qualify for the MFTIP, one must own 4 hectares of forested land and have a minimum number of trees on each acre of forest owned.

Moved by D. Risebrough, Seconded by B. Smith,

That A. Stevenson and M. Hurley be granted a one-time 2-minute extension in order to finish their delegation.

CARRIED

M. Hurley advised of the following benefits to trees: natural wind and snow barriers; natural privacy fences; stabilizes soil and prevents erosion; and natural water filters, absorbing stormwater and filtering pollutants. He advised that he is looking to the Committee to spread the word on the program.

M. Hurley responded to questions of the Committee and discussion ensued around best practices for tree planting and the avoidance of prime agricultural lands.

4. Presentations

A) Envision Durham Transportation System Discussion Paper – Chris Leitch, Principal Planner

C. Leitch, Principal Planner, provided a PowerPoint Presentation with regards to the Transportation System Discussion Paper. He advised that the Discussion Paper has been released to Durham's area municipalities, conservation authorities, provincial ministries, Metrolinx and the public for review and comment and is the fifth paper in a series of six discussion papers that will be released throughout the year as part of the Envision Durham initiative. C. Leitch stated that the Regional Transportation System is comprised of linear facilities such as roads, railways, transit routes, active transportation networks, and location specific facilities. He stated that the recently completed Transportation Master Plan forms the basis for the transportation vision for the Region.

Highlights of the Presentation included:

- Transportation System Discussion Paper
- Discussion Paper Context
 - Durham Transportation Master Plan (2017) forms the basis for the transportation "vision" for the Region
 - Amendment #171 to the Regional Official Plan
- Transportation Trends in Durham
 - Growth in Travel
 - Changing commuting and travel patterns
 - Mode share for transit and other modes should continue to increase
- Transportation Planning Policy Context and Considerations
- Policy Considerations
 - Public Transit
 - Roads and Corridor Protection
 - Active Transportation
 - Goods Movement
- Consultation and Engagement

C. Leitch responded to questions with regards to truck traffic going through smaller towns and the need to provide alternate routes; road reclassification from municipal to regional; and the key issue for DAAC being goods movement and the Oshawa Port.

K. Kilbourne advised that additional comments on the Discussion Paper can be provided online through the website.

B) Cycle Durham Cycling Plan Update – Anthony Caruso, Senior Planner

A. Caruso, Senior Planner, provided a PowerPoint Presentation with regards to the Regional Cycling Plan Update.

A. Caruso stated that the Region is about to launch an update to the Regional Cycling Plan. He provided an overview on the history of the Regional Cycle Plans (2008-2012) and stated that the first Cycling Plan was done in 2008 with an internal update in 2012.

Highlights of the Presentation included:

- History of Regional Cycle Plans
- Updates since 2012
 - Provincial Plans and Policies
 - New Cycling Communications Strategy – Draft (2018-2021)
 - Bike Month Events
 - Vision Zero – Strategic Road Safety Action Plan (mid-2019)
 - Growing and stronger voices from the cycling community
 - Growing recognition that cycling needs to be a more prominent component of our transportation system
 - Durham Trails Coordinating Committee rebranded into Durham Active Transportation Committee in 2019
- What the Cyclists are saying...
 - Regional cycling plans and municipal cycling plans need to be integrated and seamless
 - Roads must include safe cycling infrastructure
 - Safe cycling routes to GO transit stations, colleges, universities and other central areas
 - Cycling routes be numbered and sign posted to correspond with tourist maps
 - Roads on cycling routes not scheduled for reconstruction within 10 years should include provision for bike lanes or paved shoulders added
 - Durham routes need to connect to establish routes from adjacent regions
 - Northern communities need to develop infrastructure to accommodate cycling routes
 - Routes should recognize on-road cycling vs multi use paths and trails as being distinct due to the different types of cyclists
- What Residents are saying...
 - Need more traffic calming measures to improve walk mode share
 - Consider having an “Active and Safe Routes to School Coordinator”
 - Congestion around schools is an issue
 - Add cycling facilities across Highways 401 and 412
 - Add Greenbelt cycling route and Waterfront cycling route
 - Review feasibility of Bike Sharing program
 - Advance development of cycling corridor adjacent to future Highway 407 transitway corridor
 - Investigate hydro corridors for multi-use facilities

- Provide connection between Bowmanville and Courtice on Highway 2
- Cycling Implementation Plans
- Funding Strategies
- Northern Durham and Rural Issues

A. Caruso stated that a Cycling Implementation Plan is a roadmap for putting a plan into action and is a critical component of transforming the content of a plan into tangible actions. He stated that it is important to identify who is responsible for what as it ensures accountability; divides tasks appropriately; and allows for the identification of partnerships. He further stated that without a fully formed funding strategy, it will be a challenge to carry out all aspects of the Regional Cycling Plan. He advised of the following options for funding strategies: development charges (most commonly cited); capital budgets; and regional funding and further advised that the feasibility of funding options will be determined through the update.

A. Caruso advised that the next steps with the update is the project kick-off; a plan for public consultation; workshops, pop-up events; and a one-year long project.

A. Caruso responded to questions with regards to connecting trails under hydro corridors and ensuring consideration of agricultural operations in these corridors; the need to educate cyclists to respect the properties they cycle around; support for paved shoulders in the rural area for cyclists to ride on so that they are off some high traffic roads; enforcement of the Highway Traffic Act; the importance for everyone to be able to co-exist; the possibility of having some roads where cyclists are not allowed; and consultation with residents regarding where the bike routes should be.

5. Discussion Items

A) Rural and Agricultural Economic Development Update

K. Kilbourne provided the following update on behalf of L. MacKenzie, Program Coordinator, Agriculture and Rural Affairs:

- With regards to the Agricultural Strategy, staff will be finalizing work with the consulting firm in the coming weeks.
- With regards to the Durham Region Agricultural Education and Event Centre Project Update, the Phase 1 study confirmed feasibility of the concept and that it could work at any number of identified sites. For purposes of the Phase 2 analysis, the steering committee chose a greenfield type site. Members of the Consultant Team will be providing a Phase 2 summary report presentation on November 30, 2019 at the Nestleton Community Centre. K. Kilbourne stated that she will provide further details to the Committee.

6. Information Items

A) Report #2019-INFO-66 DAAC 2019 Farm Tour

A copy of Information Report #2019-INFO-66 of the Commissioner of Planning and Economic Development regarding the Durham Agricultural Advisory Committee, 2019 Farm Tour was provided as Attachment #2 to the Agenda and received.

B) Report #2019-INFO-75 Gates Open: Find Your Flavour

A copy of Information Report #2019-INFO-75 of the Commissioner of Planning and Economic Development regarding Gates Open: Find Your Flavour was provided as Attachment #3 to the Agenda and received.

C) Report #2019-P-44 Regional Woodland By-law Update

A copy of Report #2019-P-44 of the Commissioner of Planning and Economic Development regarding Region of Durham Woodland Conservation and Management By-law (Regional Woodland By-law) was provided as Attachment #4 to the Agenda and received.

D) Notice of Commencement - Sunderland and Cannington Class Environmental Assessment for Additional Sanitary Sewage Capacity

A copy of the Notice of Study Commencement for Additional Sanitary Sewage Capacity to Service Sunderland and Cannington in the Township of Brock was provided as Attachment #5 to the Agenda and received.

7. Other Business

A) Durham Budget 2020 Open House

K. Kilbourne advised that the Region is hosting two Budget Open Houses on November 12 and 13 to provide community members with an opportunity to learn more about the Region's Property Tax Supported Business Plans and Budgets; to gain an increased understanding of the Region's programs and services; and to provide their input on priorities for 2020. Information regarding time and location is available on the Regional website.

B) 2020 DAAC Farm Tour

Z. Cohoon requested that a sub-committee be formed to discuss themes, ideas, locations etc. for the 2020 DAAC Farm Tour. It was the consensus of the Committee that the following members be appointed to the sub-committee: Z. Cohoon; K. Kemp; F. Puterbough; D. Risebrough; B. Smith and T. Watpool.

8. Date of Next Meeting

The next regular meeting of the Durham Agricultural Advisory Committee will be held on Tuesday, December 10, 2019 starting at 7:30 PM in Boardroom 1-B, Level 1, 605 Rossland Road East, Whitby.

9. Adjournment

Moved by B. Winter, Seconded by D. Risebrough,
That the meeting be adjourned.
CARRIED

The meeting adjourned at 8:58 PM.

Z. Cohoon, Chair, Durham
Agricultural Advisory Committee

N. Prasad, Committee Clerk

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2097.

The Regional Municipality of Durham

MINUTES

STRATEGIC PLAN DEVELOPMENT TASK FORCE

Thursday, November 14, 2019

A regular meeting of the Strategic Plan Development Task Force was held on Thursday, November 14, 2019 in Boardroom LL-C, Regional Headquarters Building, 605 Rossland Road East, Whitby, Ontario at 1:08 PM

Present: Councillor Wotten, Chair attended the meeting at 1:07 PM
Councillor Pickles, Vice-Chair
E. Baxter-Trahair, Chief Administrative Officer
R. J. Kyle, Commissioner and Medical Officer of Health

Absent: Councillor Marimpietri
Councillor Roy

Staff

Present: S. Austin, Director, Corporate Policy and Strategic Initiatives, Office of the Regional Chair & Chief Administrative Officer
M. Garraway, Policy Advisor, Office of the Regional Chair & Chief Administrative Officer
S. Hardman, Manager of Corporate Initiatives, Office of the Regional Chair & Chief Administrative Officer
N. Prasad, Committee Clerk, Corporate Services – Legislative Services

1. Adoption of Minutes

Moved by R. J. Kyle, Seconded by Councillor Pickles,
That the minutes of the Strategic Plan Development Task Force meetings held on September 16, 2019 and October 17, 2019 be adopted.

CARRIED

2. Declarations of Interest

There were no declarations of interest.

3. Presentations

There were no presentations.

4. Delegations

There were no delegations.

5. Items of Discussion

A) Engagement Summary

S. Hardman stated that a summary of the public engagement was provided to Regional Council members at the Special Meeting of Regional Council held on October 9, 2019. She inquired whether the summary should be shared through the digital engagement platform, Your Voice Durham, and it was the consensus of the Task Force that a high-level summary be shared. It was also requested that staff prepare a communications release to be reviewed by task force members before sending out.

B) Confirming Goal Areas and Strategic Priorities

S. Hardman provided a PowerPoint Presentation with regards to the Proposed Strategic Goals and Priorities.

Highlights of the presentation included:

- Early List of Priorities/Areas of Focus Discussed on March 21
- Re-Cap of Top 5 Overall Themes as Prioritized by 458 Survey Respondents
 - Keeping Regional property taxes affordable
 - Ensuring social services are available for people
 - Promoting environmental sustainability & addressing climate change
 - Attracting new and good quality jobs to Durham
 - Preserving Durham's agricultural land
- Municipal Comparison of Top 5 Themes by Survey Respondents
- Re-Cap of Top Themes – As Presented – October 9 Special Council Meeting
 - Economic Prosperity & Job Creation
 - Vibrant, Inclusive, Caring Communities
 - Environmental Sustainability
 - Good Governance and Service Excellence
 - Growth & Infrastructure
 - Connected Communities
- Proposed Revisions to Strategic Goals (Based on Input)
 - Service Excellence
 - Economic Prosperity
 - Environmental Sustainability
 - Community Vitality
- Priorities for Goal 1 – Service Excellence
 - Deliver exceptional quality services and value
 - Collaborate for a seamless customer experience

- Demonstrate and communicate our results through evidence-based decision making
- Drive organizational success through innovation, a skilled workforce, and modernized services
- Priorities for Goal 2 – Economic Prosperity
 - Position Durham Region as the location of choice for business through strategic investments in infrastructure
 - Foster economic growth by leveraging Durham’s prime location, natural landscape, and tourism assets
 - Expand communication and transportation networks to better connect people, communities and jobs and support the efficient movement of goods
 - Anticipate and support growth in key sectors including health sciences, innovative technology, manufacturing tourism and agriculture
- Priorities for Goal 3 – Environmental Sustainability
 - Accelerate the adoption of green technologies and clean energy solutions to ensure a sustainable future
 - Apply innovative approaches to reduce and manage waste
 - Protect and preserve our natural environment including greenspaces, waterways, parks, trails, and farmlands
 - Demonstrate leadership in sustainability and efforts to address climate change through resilient infrastructure and reduced greenhouse gas emissions
 - Expand sustainable and active modes of transportation to reduce congestion and benefit the environment
- Priorities for Goal 4 – Community Vitality
 - Create a complete community with high walkability, well-connected paths and trails, appropriate intensification and a mix of attainable housing options
 - Enhance community safety and well-being through improved road safety, police visibility and holistically addressing risk factors and vulnerability
 - Reduce poverty and address homelessness by improving housing affordability and availability
 - Ensure human services are available where and when people need them at all ages and stages of life
 - Build a healthy, inclusive, age-friendly community where all citizens feel a sense of belonging
- Revised Timeline and Next Steps

Discussion ensued with regards to the four Proposed Goals. S. Hardman advised that further to Council’s direction on October 9th, the number of goal areas was reduced by staff from six to four. It was suggested that “Customer Experience” or similar type wording be placed in the centre of the four goals.

Discussion also ensued with regards to the specific priorities of the four Proposed Goals as presented. Members reviewed each priority listed under each of the four proposed Goals and provided comments and suggestions to staff.

C) Additional Input from Council/Stakeholders

This item was covered in the discussion under Item 5. B).

D) Timeline for Plan Finalization and Launch

S. Hardman stated that the draft new Strategic Plan is expected to be presented to the Task Force in December and subsequently to a Committee of the Whole meeting in January 2020 with final presentation to Regional Council for endorsement in January 2020.

It was the consensus of the Task Force that an additional two meetings in December 2019 be scheduled to further discuss details of the draft Strategic Plan.

6. Reports

There were no reports to consider.

7. Other Business

There was no other business to consider.

8. Date of Next Meeting

The next scheduled Strategic Plan Development Task Force Meeting is to be determined.

9. Adjournment

Moved by Councillor Pickles, Seconded by R.J. Kyle,
That the meeting be adjourned.

CARRIED

The meeting adjourned at 2:59 PM

Respectfully submitted,

W. Wotten, Chair

N. Prasad, Committee Clerk

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2097.

The Regional Municipality of Durham

MINUTES

DURHAM ENVIRONMENTAL ADVISORY COMMITTEE

November 21, 2019

A regular meeting of the Durham Environmental Advisory Committee was held on Thursday, November 21, 2019 in Boardroom 1-B, Regional Municipality of Durham Headquarters, 605 Rossland Road East, Whitby at 7:00 PM.

Present: G. Carpentier, Scugog, Chair
O. Chaudhry, Pickering
S. Clearwater, Whitby
J. Cuthbertson, Clarington, Second Vice-Chair
R. Dickinson, Brock
G. Layton, Oshawa
K. Lui, Member at Large, First Vice-Chair
D. Sallans, Member at Large
B. Shipp, Member at Large
M. Thompson, Ajax
D. Upadhyay, Youth Member

Absent: C. Duffy, Post-Secondary Member
B. Foxton, Uxbridge
K. Murray, Member at Large
D. Stathopoulos, Member at Large
S. Yamada, Regional Councillor, Town of Whitby

Staff

Present: G. Anello, Manager, Waste Planning & Technical Services, Works Department
A. Luqman, Project Planner, Planning & Economic Development Department
S. Penak, Committee Clerk, Corporate Services – Legislative Services

1. Approval of Agenda

Moved by S. Clearwater, Seconded by G. Layton,
That the agenda for the November 21, 2019 DEAC meeting, as presented, be approved.

CARRIED

2. Declarations of Interest

There were no declarations of interest.

3. Adoption of Minutes

Moved by J. Cuthbertson, Seconded by O. Chaudhry,
That the minutes of the regular DEAC meeting held on Thursday,
October 17, be adopted.

CARRIED AS AMENDED
(See Following Motions)

S. Clearwater asked that the October 17, 2019 DEAC minutes be amended on page 3 under Item 4. A) Presentation: Envision Durham Transportation System Discussion Paper, add a second paragraph that states: "It was discussed that GO transit is the only provincial mechanism that could service the North since LRT is designed to service more high-density areas"; and on page 6 under Item 7. A) Port Granby Project Citizen Liaison Group (CLG), add a new sentence after the words "infrastructure upgrades" that states: "The Port Granby Project Committee suggested that the funding would have to come from other sources".

Discussion ensued regarding amending minutes. Staff advised that minutes are prepared without note or comment and advised of the procedure to amend the minutes.

Moved by S. Clearwater, Seconded by K. Lui,
That page 3 of the October 17, 2019 DEAC minutes, under Item 4.
A) Presentation: Envision Durham Transportation System
Discussion Paper, be amended to add a second paragraph as
follows:

'It was discussed that GO transit is the only provincial mechanism that could service the North since LRT is designed to service more high-density areas.'

CARRIED

Moved by S. Clearwater, Seconded by J. Cuthbertson,
That page 6 of the October 17, 2019 DEAC minutes, under Item 7.
A) Port Granby Project Citizen Liaison Group (CLG), be amended
to add a new sentence after the words "infrastructure upgrades" as
follows:

'The Port Granby Project Committee suggested that the funding would have to come from other sources.'

CARRIED

Moved by J. Cuthbertson, Seconded by D. Upadhyay,
That the agenda be altered to consider Item 5. A) Gio Anello,
Manager, Waste Services, re: Blackstock Landfill Reclamation
Project, next.

CARRIED

5. Presentations

A) Gio Anello, Manager, Waste Planning & Technical Services, re: Blackstock Landfill Reclamation Project

G. Anello provided a PowerPoint presentation regarding the Blackstock Landfill Reclamation Project. A copy of his presentation will be retained in Legislative Services.

Highlights from his presentation included:

- Region of Durham Landfill Sites
- Why Remediate a Landfill Site?
 - Greenhouse Gas Emissions
 - Leachate Migration
- Greenhouse Gas Emissions
 - Methane Generation Over Time
 - Region of Durham – 2018 Greenhouse Gas Emissions Inventory
 - Passive Gas Vents – Brock and Oshawa Landfills
- Leachate Production and Migration
 - Contaminant Attenuation Zone
- Construction Timeline
- Landfill Mining
 - Step #1 – Stripping of Upper Cover Material and Topsoil
 - Step #2 – Pre-Sorting
 - Step #3 – Waste Screening
 - Waste Overs
 - Waste Fines
 - Step #4 – Load Screened Waste into Roll-Off Bins for Off-Site Transport
 - Step #5 – Grading
- Material Excavated
 - Newspaper/Magazines
 - Combustible Paper in Landfills
- Estimated CO₂e (tonnes) Landfill Emission Footprints
- Project Summary
- Project Benefits

G. Anello responded to questions from the Committee regarding whether there was a hazardous waste materials plan in place; specific sampling that was taken during the process; the locations of Durham's other landfills; whether Toromont turbines were considered for burning the methane to produce electricity; the amount of materials found and how they were disposed of; why some materials didn't biodegrade; whether a clay liner was originally required; the lessons learned from this project; and where Durham's waste is sent.

4. Delegations

Moved by J. Cuthbertson, Seconded by M. Thompson,
That the Rules of Procedure be suspended in order to extend M.
Hurley and A. Stevenson's delegation to 10 minutes.
CARRIED on a 2/3rds vote

A) Mike Hurley and April Stevenson, re: Highway of Heroes Tree Campaign

M. Hurley and A. Stevenson provided a PowerPoint presentation regarding the Highway of Heroes Tree Campaign. A copy of their presentation will be retained in Legislative Services.

Highlights from their presentation included:

- Our Mission
- Goal: \$10 Million in Pledges by 2020
- Private Landowner Partnership Program
- Program Qualifications
- How it Works
- Managed Forest Tax Incentive Program (MFTIP)
- The Benefits of Trees

M. Hurley stated that the mission of the Highway of Heroes Tree Campaign is to plant 2,000,000 trees between Trenton and Toronto, one tree for every Canadian that has served during times of conflict since Confederation. He advised that 117,000 of the most prominent trees will be planted adjacent to the stretch of Highway 401 known as the Highway of Heroes.

M. Hurley further stated that there is a private landowner partnership program where qualified landowners could receive a subsidy that covers 80-90% of planting costs. A. Stevenson advised that to qualify for the program, properties must be within 15 km of the Highway of Heroes and properties with 2.5 acres or more of mostly open land will be given preference.

M. Hurley advised of the following benefits to trees: natural wind and snow barriers; natural privacy fences; stabilizes soil and prevents erosion; and natural water filters, absorbing stormwater and filtering pollutants. He advised that he is looking to the Committee to spread the word on the program.

M. Hurley and A. Stevenson responded to questions from the Committee.

5. Presentations

A) Gio Anello, Manager, Waste Planning & Technical Services, re: Blackstock Landfill Reclamation Project

This item was considered earlier in the meeting. See pages 2 and 3 of these minutes.

6. Items for Discussion/Input

A) Update from Climate Change Resiliency Homeowner's Guide Subcommittee

J. Cuthbertson advised that the Climate Change Resiliency Homeowner's Guide Subcommittee met prior to the meeting. He noted that the guide will be relevant for all varieties of homeowners and that the subcommittee will be looking for additional material for the framework they have established.

J. Cuthbertson advised that there will also be a self assessment tool within the guide, to engage homeowners.

A. Luqman advised that she will email the "Citizen's Coolkit from the University of British Columbia (UBC)" document to the Committee.

B) Update from Environmental Awards Subcommittee

G. Layton advised that the subcommittee updated the wording of some the awards and created two additional award categories: The John G. Goodwin Sustainable School Award (one for an elementary school and one for a secondary school), and the Youth Leadership Award (to be named). She also advised that evaluation criteria and timelines were discussed.

Discussion ensued regarding the steps taken prior to an award being named after an individual. Any thoughts on award names can be emailed to A. Luqman.

C) Appointment of additional members to Environmental Awards Subcommittee

It was the consensus of the Committee that the Environmental Awards Subcommittee have five members.

Moved by D. Upadhyay, Seconded by D. Sallans,
That O. Chaudhry, R. Dickinson, G. Layton, K. Lui, and B. Shipp be appointed to the Environmental Awards Subcommittee.

CARRIED

D) Expense Sheets

A. Luqman asked the Committee members to confirm that their mileage was correct and sign their expense form. She noted that if any information was incorrect, to let her know and she would re-issue an expense sheet.

6. For Information

A) Commissioner's Report #2019-INFO-69 – Durham York Energy Centre Source Test Update

A copy of Report #2019-INFO-69 of the Commissioner of Works was received as Attachment #2 to the agenda.

B) Approval of the TRCA Trail Strategy

A copy of the Toronto and Region Conservation Authority Resolution regarding the TRCA Trail Strategy, was received as attachment #3a) to the agenda, and a copy of the TRCA Trail Strategy document, was received as attachment #3b) as an embedded link within the agenda.

C) Commissioner's Report #2019-INFO-76 – Monitoring of Land Division Committee Decisions of the October 7, 2019 Meeting

A copy of Report #2019-INFO-76 of the Commissioner of Planning and Economic Development was received as Attachment #4 to the agenda.

D) Ontario Energy Board Notice: Enbridge Gas Inc. application to the Ontario Energy Board for approval to construct a 34-kilometre natural gas pipeline in the County of Grey

A copy of the Ontario Energy Board Notice: Enbridge Gas Inc. application to the Ontario Energy Board for approval to construct a 34-kilometre natural gas pipeline in the County of Grey was received as Attachment #5 to the agenda.

E) Commissioner's Report #2019-INFO-82 – Quarterly Report – Commissioner's Delegated Planning Approval Authority, and Summary of Planning Activity in the Third Quarter of 2019

A copy of Report #2019-INFO-82 of the Commissioner of Planning and Economic Development was received as Attachment #6 to the agenda.

S. Clearwater enquired into whether the urban expansion areas north and west of the existing community, as well as the employment areas to the south, included the two golf courses. A. Luqman advised that she would investigate the GIS mapping of this area and get back to her directly.

Moved by D. Upadhyay, Seconded by O. Chaudhry,
That Information Items 7A) to 7E) inclusive, be received for
information.

CARRIED

8. Other Business

A) Bee Pollinator Seed Project

D. Upadhyay advised the Committee that he drafted a plan/timeline for the Bee Pollinator Seed Project. Discussion ensued regarding where to purchase the seeds, and whether they should be purchased in bulk or in packets.

G. Carpentier advised that the Scugog Environmental Advisory Committee (SEAC) is undertaking their own pollinator project and that they purchased seed packets that came with instructions. He advised that he would send A. Luqman more information regarding the SEAC's project.

9. Next Meeting

The next regular meeting of the Durham Environmental Advisory Committee will be held on Thursday, January 16, 2020 starting at 7:00 PM in Boardroom 1-B, Level 1, 605 Rossland Road East, Whitby.

10. Adjournment

Moved by D. Sallans, Seconded by M. Thompson,
That the meeting be adjourned.

CARRIED

The meeting adjourned at 8:50 PM

G. Carpentier, Chair, Durham
Environmental Advisory Committee

S. Penak, Committee Clerk

DURHAM NUCLEAR HEALTH COMMITTEE (DNHC) MINUTES

Location

Durham Regional Headquarters
605 Rossland Road East, Whitby
Meeting Room, Council Chambers

Date

November 22, 2019

Time

1:00 pm

Host

Durham Region Health Department (DRHD)

Members

Dr. Robert Kyle, DRHD (Chair)
Ms. Mary-Ann Pietrusiak, DRHD
Ms. Lisa Fortuna, DRHD
Mr. Raphael McCalla, Ontario Power Generation (OPG) (Presenter)
Mr. Loc Nguyen, OPG
Mr. Phil Dunn, Ministry of the Environment, Conservation and Parks
Dr. John Hicks, Public Member
Ms. Deborah Kryhul, Public Member
Dr. Lubna Nazneen, Alternate Public Member
Ms. Veena Lalman, Public Member
Dr. David Gorman, Public Member
Mr. Hardev Bains, Public Member
Mr. Matthew Cochrane, Alternate Public Member
Mr. Alan Shaddick, Alternate Public Member

Presenters/Observers

Mr. Brian Devitt (Secretary)
Ms. Nathalie Riendeau, Canadian Nuclear Safety Commission (CNSC)
(Presenter)
Ms. Heather Overton, CNSC (Presenter)
Ms. Cheryl Johnston, OPG (Presenter)
Mr. John Blazanin, OPG (Presenter)
Ms. Kristina Brama, OPG
Mr. James Kilgour, Durham Emergency Management Office
Ms. Lydia Skirko, Whitby Resident
Mr. A.J. Kehoe, Durham Region Resident

Regrets

Dr. Tony Waker, Ontario Tech University
Dr. Barry Neil, Public Member
Ms. Susan Ebata, Public Member

Robert Kyle opened the meeting and welcomed everyone.

Robert introduced and welcomed Deborah Kryhul as the new Public Member for Clarington replacing Marc Landry who resigned in June 2019.

1. Approval of Agenda

The Revised Agenda was adopted.

2. Approval of Minutes

The Minutes of September 13, 2019 were adopted as written.

3. Correspondence

3.1 Robert Kyle's office received the Minutes of the Pickering Nuclear Generating Station (NGS) Community Advisory Council meetings held on June 18, 2019.

3.2 Robert Kyle's staff prepared a new video to promote and raise awareness about the availability of Potassium Iodide (KI) tablets for residents and businesses located within a 50 kilometre radius of the Pickering and Darlington NGSs dated September 19, 2019. The video entitled, "KI Pills and Your Family", is available on the DRHD YouTube channel at https://www.youtube.com/watch?v=0W_rde527jd.

3.3 Robert Kyle received approval of Regional Council for his recommendation to have Deborah Kryhul serve as the new Public Member for the Municipality of Clarington dated September 25, 2019.

3.4 Robert Kyle's office received an OPG newsletter concerning the Darlington Nuclear Refurbishment Project including the OPG Open House held on October 26, 2019 at the Darlington Energy Complex dated October 15, 2019.

3.5 Robert Kyle's office received the OPG newsletter, Neighbours, concerning community issues at Pickering and Darlington NGSs dated Fall 2019.

3.6 Robert Kyle received a letter directed him as the Chair of the DNHC, from Dr. Sunil Nijhawan, nuclear engineer, concerning questions related to nuclear emergency preparedness. Dr. Nijhawan requested that his concerns be raised at the November 22nd DNHC meeting and be directed to CNSC officials who will be attending the meeting. The letter was dated November 19, 2019.

4. Presentations

4.1 Progress report by the CNSC concerning the Safety and Performance for Darlington and Pickering Nuclear Power Plants (NPPs) in 2018

Nathalie Riendeau, Director, Darlington Nuclear Regulatory Division, CNSC, and Heather Overton, Senior Regulatory Program Officer, Pickering Nuclear Regulatory Division, CNSC, provided a joint presentation on the CNSC's Staff Integration Safety and Performance Assessment for the Darlington and Pickering NPPs for 2018 and other compliance issues.

Nathalie explained the CNSC’s regulatory focus in 2018 for NPPs and the highlights were:

- The annual performance assessment used by CNSC is based on:
 - Inspections, desktop reviews and surveillance by onsite inspectors
 - Reviews of OPG reports, analyses, evaluations, etc.
 - Evaluations of OPG processes
 - Review of events and reports submitted by OPG
 - Tracking Safety Performance Indicators
 - Verification of results of OPG self-assessments
 - Input from a Third Party such as the Ontario Ministry of Labour, Training and Skills Development, Environment and Climate Change, Canada, Fisheries and Oceans Canada, etc.

Nathalie explained that the CNSC used a risk-informed and performance-based approach for its Compliance Verification Program using 14 Safety Compliance Control Areas to determine its Safety Performance rating. The ratings were:

- Fully Satisfactory (FS)
- Satisfactory (SA)
- Below Expectations (BE)
- Unacceptable (UA)

The CNSC Safety Performance Rating Summary for Darlington and Pickering NPPs for 2018 were:

Safety Control Areas (SCAs)	Darl.	Pick.
○ Management Systems	SA	SA
○ Human Performance Mgmt.	SA	SA
○ Operating Performance	FS	FS
○ Safety Analysis	FS	FS
○ Physical Design	SA	SA
○ Fitness for Service	SA	SA
○ Radiation Protection	SA	SA
○ Conventional Health & Safety	FS	FS
○ Environmental Protection	SA	SA
○ Emergency Mgmt. & Fire Prot.	SA	SA
○ Waste Management	SA	SA
○ Safeguards & Non-Proliferation	SA	SA
○ Security	SA	SA
○ Packaging & Transport	SA	SA

Nathalie provided the highlights of the Compliance Verification Program for the Darlington NPP that included:

- Units 1, 3 and 4 were fully operational.
- Unit 2 started a refurbishment outage in October 2016.
- Unit 2 return to service is projected to be June 2020.
- The Operating Licence is in effect until November 30, 2025.
- Outage management performance continued to be strong during planned and forced outages of the operating reactors.
- Preventive maintenance deferrals and backlogs for corrective and deficient maintenance were better than industry averages, stable or trending down.

- Industry accident frequency rate was significantly lower than the Canadian Electrical Association industry average.
- CNSC staff have continued to monitor compliance verification for the refurbishment project and in 2018, OPG completed the component removal at Unit 2 and refurbishment was in the installation phase.
- In 2019, CNSC staff began compliance planning activities in preparation for the refurbishment of Unit 3 expected in the second quarter 2020.
- The SCAs for Darlington NPP were all Satisfactory or Fully Satisfactory.

Nathalie mentioned that CNSC staff's objectives related to the Darlington Refurbishment Project include:

- Confirm that the refurbishment and return to service activities are being performed safely and in compliance with regulatory requirements.
- Confirm that improvements identified in OPG's Integrated Implementation Plan (IIP) have been completed.
- Confirm that systems, equipment, procedures and qualified staff are available and ready for the return to service of Unit 2.
- The CNSC licence conditions for the refurbishment project include:
 - The licensee shall implement a return to service plan for refurbishment.
 - The licensee shall implement the IIP.
 - The licensee shall obtain the approval of the Commission, or of a person authorized by the Commission (Executive Vice-President), prior to the removal of established hold points.
- The regulatory hold points are:
 - Prior to fuel load
 - Prior to removal of guaranteed shutdown state
 - Prior to exceeding 1% power
 - Prior to exceeding 35% full power

Nathalie explained the CNSC Compliance Plan for the Refurbishment Project of Darlington Unit 2 will:

- Incorporate lessons learned from previous projects.
- Take-into-account the licensee's return to service plan.
- Adjust as needed to align with the licensee's refurbishment activities.
- Address the 4 phases of the Compliance Plan for the refurbishment project that are:
 - Lead-in Phase: preparation of activities for refurbishment
 - Component Removal Phase: removal of reactor components
 - Installation Phase: installation of reactor core components
 - Lead-out Phase: including fuel load, system, structures and components commissioning to start-up the unit.
 - OPG is in the Lead-out Phase for the return to service of Unit 2

Nathalie described the Return-to-Service Protocol that:

- Identifies the IIP commitments for the removal of each regulatory hold point.
- Establishes a schedule for OPG submissions and CNSC staff assessments.

- Establishes pre-requisites for each regulatory hold point involving staffing levels and that the plant is available for return to service when required the required analysis has been conducted.
- OPG will submit a Completion Assurance Document to the CNSC for each regulatory hold point.

CNSC will ensure all regulatory requirements and commitments have been met before issuing a Record of Consent, including Reasons for Decision for the removal of each regulatory hold point.

Nathalie indicated that the first regulatory hold point (prior to fuel load) was released by the CNSC on November 5, 2019 allowing OPG to initiate fuel loading in Unit 2.

Nathalie's closing remarks were:

- CNSC staff has effective processes in place for compliance oversight for the refurbishment project and monitoring of the return to service activities.
- Processes incorporate CNSC experience from previous refurbishment projects.
- Removal of the regulatory hold points requires that all pre-requisites and restart activities be completed and meet regulatory requirements.
- OPG and CNSC staff will provide updates to the Commission following the return to service of Unit 2 at a meeting of the Commission and with public participation.
- CNSC staff will continue to provide significant dedicated staff resources for the regulatory oversight of the Darlington Refurbishment Project.

Heather Overton provided the highlights of the 2018 Safety Performance Assessment for the Pickering NPP that included:

- Units 1, 4, 5, 6, 7 and 8 are fully operational.
- Units 2 and 3 are in safe storage.
- The Operating Licence was renewed in September 2018 for 10 years.
- The Commission authorized OPG to operate Units 5 to 8 fuel channels up to 295,000 equivalent full power hours.
- The End of Operations was established as year end 2024.
- The transition to safe storage will start within the licence period and continue until 2028.
- OPG completed its Periodic Safety Review to assess safety and significant plant systems and components to support the continued safe operation of the NPP.
- OPG provided its IIP that identified practicable safety enhancements that CNSC staff monitored.

Heather mentioned the CNSC's Compliance Verification Program for Pickering NGS provided:

- Extensive, risk-informed programming involving Head Office and on-site inspectors and totalled approximately 5000 person-days effort in 2018.
- Verification of compliance requirements involved approximately 90 inspections with more than 300 findings.

- Other compliance activities included:
 - Desktop reviews
 - Surveillance/monitoring
 - Technical assessments
 - Review of events
 - Periodic and other licensee reports
 - Tracking of licensee corrective actions

Heather provided several highlights of the 2018 performance assessment for Pickering NGS. Using its regulatory oversight activities, CNSC staff were able to confirm:

- OPG operated Pickering NGS in a safe and secure manner.
- All reportable events were of low safety significance.
- Planned and forced outage-related undertakings were performed safely.
- Preventive maintenance deferrals and backlogs for corrective and deficient maintenance continued to trend downward.
- Radiation doses to workers were below regulatory limits and OPG action levels.
- Pickering's industrial accident frequency was significantly lower than the Canadian Electrical Association Industry average.
- The estimated dose to the public was well below the regulatory dose limit.
- Airborne and waterborne radiological releases remained below regulatory limits and Environmental Action Levels.
- OPG's Consolidated Nuclear Emergency Plan was revised to align with the Provincial Nuclear Emergency Response Plan and the associated Pickering-specific Implementation Plan.
- OPG has made satisfactory progress on completing IIP actions in 2018 and has completed many others in 2019. CNSC conducts oversight reviews before closing the IIP action.

Heather reviewed the key IIP actions that OPG has completed:

- Phase 2 of emergency mitigation equipment to protect containment.
- Availability of fire protection system water to steam generators, primary heat transport system and calandria.
- Power support service connections upgrades to ensure functionality of one main containment pump.
- Aging related safety analyses of Unit 1 and 4 primary heat transport systems.
- Revised fuel channel periodic inspection program.

Heather commented on the Preparation for the End of Commercial Operation at the Pickering NPP. The CNSC Operating Licence, LC15.4, imposes requirements on OPG for the end of commercial operation in 2024 that includes:

- OPG must develop a Sustainable Operations Plan and a Stabilization Activity Plan to identify unique challenges that will require incremental activities to provide resolutions, activities and actions for the identified challenges.
- OPG must notify the CNSC, no later than December 31, 2022, should it intend to operate any reactor unit beyond December 31, 2024.

- The Sustainable Operations Plan needs to be developed and implemented 5 years prior to the permanent shutdown of any unit.
- The Stabilization Activity Plan needs to be developed 3 years prior to the permanent shutdown of any unit and implemented immediately after each unit is shutdown.
- OPG will need to demonstrate how all 14 SCAs will continue to be met up to the last day of operation with the emphasis on:
 - Long-term workforce planning
 - Human performance
 - Fitness for service of safety significant structures, systems and components

Heather's closing remarks were:

- The Pickering NPP was operated safely in 2018.
- The SCAs were either Satisfactory or Fully Satisfactory.
- No members of the public received a radiation dose in excess of the CNSC regulatory limit.
- No workers were reported to have received a radiation dose in excess of the CNSC regulatory limit.
- OPG continued to make satisfactory progress on its IIP actions.
- CNSC staff will maintain its close oversight of the unique challenges posed by the end of commercial operation and transition to safe storage of the Pickering NPP.

Nathalie Riendeau and Heather Overton or their associates will update the DNHC next year on the CNSC Staff Safety Assessment for 2019 for Darlington and Pickering NPPs. More information is available on the CNSC website at nuclearsafety@gc.ca.

4.2 Progress Report by OPG concerning the Darlington Refurbishment Project

John Blazanin, Vice-President, Planning and Project Controls, OPG, provided a presentation on the progress of the Darlington Refurbishment Project.

John explained that the Unit 2 Refurbishment Project has five major phases and OPG is about to enter the fifth phase to restart the reactor that includes:

- Loading fuel that John mentioned was completed on November 22, 2019.
- Removing equipment.
- Conducting low power test.
- Conducting high power test.
- Connecting to the grid.

John explained that Unit 2 is 90% complete. To date, the refurbishment project has accomplished the following:

- Completed 17 of 18 major infrastructure and safety projects.
- Prepared the heavy water storage facility ahead of the Unit 3 need with 32 systems completed.
- Provided excellent workplace safety with 19.8 million hours worked with only one lost time accident.

- Managed to keep Unit 2 on budget and on schedule for planned completion in June 2020.
- Prevented any environmental reportable events.
- There were several challenges associated with the installation of feeder tubes including welding issues. All issues were corrected and the work program was completed with high quality.

John's Summary Performance of Unit 2 included:

- Unit 2 is 90% complete overall.
- All non-critical path work is 96% complete.
- Unit 2 return to service is planned for June 25, 2020.
- Regulatory requirements from the CNSC are on track.
- 40 of 58 systems have been returned to service.
- Assembly of the reactor was completed when the final feeder tube was installed on October 24, 2019.
- The process of loading the fuel was recently completed and the first of four regulatory hold points was recently approved by the CNSC.

John was very pleased to report that the Project was on schedule and on budget while maintaining a high level of quality workmanship and safety performance. He mentioned that the focus of the refurbishment project is now moving to Unit 3 and he provided an update that included:

- The OPG Board of Directors approved the Unit 3 schedule and budget in November 2019.
- The planned schedule for completion will be 40 months.
- The design engineering is 92% complete and on track to be finished by year end 2019.
- The schedule of costs incorporated several key strategies for success will include:
 - More than 3000 lessons learned to improve field performance
 - Resolution of several issues with the feeder program
 - Hybrid work schedules will reduce the risk of skilled trades shortfalls
 - Process improvements will enhance the training program and improve radiation protection effectiveness
- All long-lead material procurement is on track with no threats to the schedule.
- The pre-requisite projects for Unit 3 are progressing on plan with no threats to the schedule.

John commented on the limited availability of skilled trades for the Darlington Refurbishment Project. It is a major concern because of the overlapping of OPG and Bruce Power refurbishments and other major infrastructure projects in Ontario. The estimated peak demand for skilled labour will be from 2022 to 2025. As a result, mitigation actions have been implemented by:

- Collaborating with Bruce Power and Trade Unions concerning the types of skilled labour needed.
- Increasing Provincial and Federal programs to provide the supply of resources needed.
- Working with local educational institutions to develop specialized training such as welding and pre-apprenticeship programs.

- Assessing alternative shift schedules that reduce demand for subsequent unit refurbishments.
- Implementing a Hybrid Shift Schedule to reduce the number of skilled trades required.

John Blazanin or his associates will continue to update the DNHC on the progress of the Darlington Refurbishment Project. More information is available at the OPG website at darlingtonrefurb@opg.com.

4.3 Progress Report by OPG concerning its Development of the Groundwater Monitoring Graphical Information System (GIS) Map and Revisions to the 2018 Groundwater Monitoring Results at the Pickering NGS

Raphael McCalla, Director, Environmental Programs, OPG, provided a detailed presentation of improvements made to the annual reporting of groundwater monitoring results for the Pickering NGS using its newly created GIS Map system.

Raphael provided some historical information about the OPG Groundwater Monitoring Program. It was established at the Pickering NGS in 1999 and includes:

- The groundwater network includes more than 300 wells.
- Approximately 150 wells are carefully selected sampled annually.
- The selection of wells is based on the principles of CSA N288.6 Risk Assessment.

Raphael mentioned the key objectives of the Groundwater Monitoring Program are to:

- Verify groundwater flow direction.
- Monitor changes to on-site groundwater quality to identify new issues in a timely manner and assess past contamination issues.
- Monitor groundwater quality at the site boundary to confirm there are no adverse off-site impacts.

Raphael explained that during the Pickering Nuclear Relicensing Hearing held in the City of Pickering in June 2018, OPG committed to make the annual Groundwater Monitoring results for the Pickering NGS more accessible to the public.

OPG consulted with the Pickering NGS Community Advisory Council and later developed the GIS map layout. As a result of testing and receiving stakeholder feedback, the 2018 Groundwater Monitoring Report for the Pickering NGS was revised by including the GIS map and it was posted on opg.com on October 22, 2019.

Raphael demonstrated the GIS map and explained why it is now easier for the public to interpret trends and understand the groundwater monitoring results reported annually to the CNSC. In 2020, the GIS system of reporting groundwater results will be expanded to include the Darlington NGS.

Raphael McCalla or his associates will continue to update the DNHC with the annual Groundwater Monitoring Program results for Pickering and Darlington NGSs.

5. Communications

5.1 Community Issues at Pickering Nuclear

Cheryl Johnston, Manager, Corporate Relations and Communications, OPG, provided an update on Community Issues at Pickering Nuclear and the highlights were:

- Pickering Units 1, 4, 6, 7 and 8 are operating at or close to full power.
- Pickering Unit 5 is in a planned maintenance outage.
- Pickering received the Ajax Pickering Board of Trade Business Excellence Award recognizing OPG's excellence in customer service, innovation, community support, environmental efforts etc.

Analiene St. Aubin, Manager, Corporate Relations and Communications, Pickering Nuclear, OPG, can be reached at (905) 839-1151 extension 7919 or by e-mail at analiene.staubin@opg.com for more information.

5.2 Community Issues at Darlington Nuclear

Cheryl Johnston provided an update on the Community Issues at Darlington Nuclear and the highlights were:

- Darlington Units 1, 3 and 4 are operating at close to full power.
- Darlington Unit 2 is undergoing refurbishment.
- Darlington received the Oshawa Chamber of Commerce Sustainability Award for its commitment to environmental stewardship and sustainability initiatives.
- Darlington received the Institute of Nuclear Power Operations Excellence Award for its 2018 World Association of Nuclear Operators evaluation.
- Darlington hosted station tours for the Nuclear Waste Management Organization Adapted Phased Management Program, US Consulate, Ontario Tech University, Probus and Men's Community groups.

Cheryl can be reached at (905) 623-6670 extension 7038853 or by e-mail at cheryl.johnston@opg.com for more information.

5.3 Corporate Community Issues

Cheryl Johnston provided an update on corporate community issues and the highlights were:

- OPG welcomed approximately 230 Grade 9 students at the Pickering and Darlington NGSs to tour its stations, to promote career development of young Canadians to Ontario's nuclear industry and to allow the students to observe OPG employees in their workplace.

6. Other Business

6.1 Topics Inventory Update

Robert Kyle indicated the Topics Inventory will be revised to include the presentations made today.

6.2 Future Topics for the DNHC to Consider

Robert Kyle indicated the theme of the next DNHC meeting scheduled for January 17, 2020 will be *Progress reports concerning Nuclear Emergency Preparedness in Durham Region* that will likely include:

- Progress report by the Office of the Fire Marshal and Emergency Management concerning revisions to the Provincial Nuclear Emergency Response Plan.
- Progress report by OPG concerning its nuclear emergency preparedness highlights in 2019 and plans for 2020 at the Darlington and Pickering NGSs.
- Progress report by Durham Emergency Management Office concerning its nuclear emergency highlights in 2019 and plans for 2020.
- Progress report by the DRHD concerning availability and distribution of Potassium Iodide (KI) Pills in Durham Region.

6.3 Scheduled DNHC Meetings for 2020 to held at Regional Headquarters in the Regional Council Chambers

- January 17
- April 24
- June 19
- September 18
- November 20

7. Next Meeting

Location

Durham Region Headquarters

605 Rossland Road East

Town of Whitby

12:00 pm Lunch in Meeting Room (1B)

1:00 pm Meeting in the Regional Council Chambers

Date

January 17, 2020

8. Adjournment 4:10 pm