

The Regional Municipality of Durham COUNCIL INFORMATION PACKAGE October 22, 2021

Information Reports

2021-INFO-108 Commissioner of Works – re: Durham York Energy Centre Source Test Update

2021-INFO-109 Commissioner of Planning and Economic Development – re: Durham Agricultural Advisory Committee, 2021 Virtual Farm Tour

2021-INFO-110 Commissioner of Finance – re: Expenditures to Date and Related Funding for Capital Projects in the Seaton Phase 1 Regional Front-Ending Agreement

Early Release Reports

There are no Early Release Reports

Staff Correspondence

There is no Staff Correspondence

Durham Municipalities Correspondence

1. Town of Ajax – re: Resolution passed at their Council meeting held on September 21, 2021, regarding Access to Affordable and Accessible Child Care

Other Municipalities Correspondence/Resolutions

- Township of Enniskillen re: Resolution passed at their Council meeting held on October 4, 2021, regarding land use policies related to Cannabis Production & Processing Facilities
- 2. City of Mississauga re: Resolution passed at their Council meeting held on October 13, 2021, requesting the Government of Ontario amend Ontario Regulation 364/20 to remove the exemption from the proof of vaccination requirements for youth between the ages of 12-18 years of age participating in organized sport, and associated volunteer coaches, and officials

- 3. Municipality of Learnington re: Resolution passed at their Council meeting held on September 14, 2021, endorsing AMO's recommendations contained in its submission to the Long-Term Care COVID-19 Commission, and advocating to the Federal Government for enhanced federal support for long-term care
- 4. Township of King re: Resolution passed at their Council meeting held on October 18, 2021, regarding Holland Marsh Treatment Facility

Miscellaneous Correspondence

- 1. Toronto and Region Conservation Authority (TRCA) re: Resolution passed at their Board of Directors meeting held on September 24, 2021, regarding the Update on Memorandum of Understanding and Service Level Agreements with Municipalities
- 2. Dave Burton, President, Good Roads re: correspondence to the Ministry of Transportation with respect to discussion at a recent Board of Directors meeting regarding Modified Exhausts and Noisemakers
- 3. Good Roads re: Call for Nominations to the 2022-2023 Good Roads Board of Directors

Advisory / Other Committee Minutes

1. Accessibility Advisory Committee (AAC) minutes – September 28, 2021

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.

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The Regional Municipality of Durham Information Report

From: Commissioner of Works

Report: #2021-INFO-108 Date: October 22, 2021

Subject:

Durham York Energy Centre Source Test Update

Recommendation:

Receive for information

Report:

1. Purpose

1.1 The purpose of this report is to provide and update on the 2021 Voluntary Source Test results at the Durham York Energy Centre (DYEC).

2. Background

2.1 As directed by Regional Council, the Owners are to perform an annual Voluntary Source Test in accordance with the procedures and schedules outlined in Schedule "E" of the Environmental Compliance Approval (ECA). The Voluntary Source Test measures the rate of emission of the test contaminants from the stack.

3. Voluntary Source Test

- 3.1 The Voluntary Source Test was conducted between June 14, 2021 through to June 18, 2021, for all test contaminants on both Boiler #1 and Boiler #2.
- 3.2 The results summary of the Voluntary Source Test demonstrated that all emissions were within the limits detailed in the ECA (Attachment #1).

- 3.3 The full Voluntary Source Test Report was sent to the Ministry of Environment, Conservation and Parks (MECP) and subsequently posted to the project website.
- 3.4 The DYEC emissions dispersion was modeled utilizing the Voluntary Source Test data and the MECP approved CALPUFF model. The results of the contaminant concentrations at the maximum point of impingement were then compared to the limits within the Ontario Regulation 419/05 Air Pollution Local Air Quality.

 Ontario Regulation 419/05 Air Pollution Local Air Quality limits are set to be protective of human health and the environment.
- 3.5 All of the calculated impingement concentrations were well below the regulatory limits.

4. Owners' Consultant Reviews

4.1 Airzone One Ltd., the Source Test peer reviewer, provided a memo on their preliminary findings on the Source Test sampling (Attachment #2), which concludes that:

"Based on the observations made during collection of samples, we are satisfied that Ortech collected all dioxin and furan samples according to standard operating procedures and approved methods, with the deviations from the methods/protocols already noted. Final comments concerning the results of all of the testing and compliance of the facility will be made upon review of the final stack testing report to be issued by Ortech."

4.2 HDR personnel were also present during the Source Tests (Attachment #3).

HDR reported that:

"HDR has completed our review of the preliminary results of the air emissions testing performed during the DYEC Spring 2021 Voluntary Test. Representatives from HDR were present at the DYEC to observe the sampling procedures and facility operations throughout the majority of the testing period that occurred between June 17 and June 18, 2021. HDR observed ORTECH following the approved stack sampling procedures and test methods. HDR also observed Covanta's plant personnel operating the DYEC under normal operating conditions and in accordance with acceptable industry operating standards. Based on the results summarized in ORTECH's final test report (dated September 16, 2021), the air emission

results of the Spring 2021 Voluntary Test demonstrated that the DYEC operated below the ECA's Schedule "C" limits."

5. Continued Demonstrated Performance

- 5.1 DYEC demonstrates consistent performance with the appropriate controls and monitoring in place which provide a level of safety and protection to human health and the environment.
- 5.2 Attachment #4 presents the results of testing completed from 2018-2021. The data presented indicates that the DYEC has consistently demonstrated it can safely and effectively operate within the ECA Schedule "C" limits.
- 5.3 Attachment #5 presents a table comparison of the latest stack testing results against the ECA limits and A-7 guideline. DYEC consistently operates and performs below regulatory limits.

6. Conclusion

- 6.1 The Owners' technical consultants and peer reviewers have confirmed that the Voluntary Source Test was conducted in accordance with the MECP guidelines.
- 6.2 All results of the Voluntary Source Test were below the concentration limits prescribed in Schedule C of the ECA.
- 6.3 Using CALPUFF dispersion modelling techniques, the predicted maximum point of impingement concentrations, based on the average test results for both boilers, show DYEC to be operating well below all current standards in Regulation 419/05 under the Environmental Protection Act and other MECP criteria including guidelines and upper risk thresholds.

7. Attachments

Attachment #1: Voluntary Source Test Results Summary

Attachment #2: AirZone One Ltd. Source Test: Preliminary Findings Memo

Attachment #3: HDR Inc. Source Test Assessment Memo

Attachment #4: Source Test Results 2018-2021

Attachment #5: The Latest Stack Testing Results Compared to the ECA and A-7 Respectfully submitted,

Original signed by:

Susan Siopis, P.Eng. Commissioner of Works

Attachment #1 to Report #2021-INFO-108



The average results for the tests conducted at Boiler No. 1, along with the respective in-stack emission limits, are summarized in the following table:

Parameter	Test No. 1	Test No. 2	Test No. 3	Average	In-Stack Limit
Total Power Output (MWh/day)*	-	-	-	381	-
Average Combustion Zone Temp. (°C)*	-	-	-	1242	-
Steam (tonnes/day)*	-	-	-	810	-
MSW Combusted (tonnes/day)*	-	-	-	195	-
NO _x Reagent Injection Rate (liters/day)*	-	-	-	589	-
Carbon Injection (kg/day)*	-	-	-	126	-
Lime Injection (kg/day)*	-	-	-	5134	-
Filterable Particulate (mg/Rm³) (1)	0.63	0.49	1.22	0.78	9
PM ₁₀ with Condensable (mg/Rm ³) (1)	5.51	<4.27	<4.02	<4.60	-
PM _{2.5} with Condensable (mg/Rm ³) (1)	5.31	<4.13	<3.89	<4.45	-
Hydrogen Fluoride (mg/Rm³) (1)	<0.12	<0.11	<0.11	<0.11	-
Ammonia (mg/Rm³) (1)	2.30	1.70	1.31	1.77	-
Cadmium (μg/Rm³) (1)	0.020	0.12	0.060	0.068	7
Lead (μg/Rm ³) (1)	0.39	0.62	0.32	0.44	50
Mercury (μg/Rm³) ⁽¹⁾	0.088	<0.086	<0.086	<0.086	15
Antimony (μg/Rm³) ⁽¹⁾	<0.043	<0.041	<0.044	<0.043	-
Arsenic (μg/Rm³) (1)	<0.043	<0.041	<0.044	<0.043	-
Barium (μg/Rm³) ⁽¹⁾	1.71	1.48	2.30	1.83	-
Beryllium (µg/Rm³) (1)	<0.043	<0.041	<0.044	<0.043	-
Chromium (μg/Rm³) ⁽¹⁾	0.93	0.79	0.73	0.82	-
Cobalt (µg/Rm ³) (1)	0.12	0.10	<0.044	<0.089	-
Copper (µg/Rm ³) (1)	3.58	6.08	3.13	4.26	-
Molybdenum (μg/Rm³) ⁽¹⁾	5.15	4.55	4.86	4.85	-
Nickel (μg/Rm³) ⁽¹⁾	1.01	2.25	0.74	1.33	-
Selenium (μg/Rm ³) ⁽¹⁾	0.23	<0.20	<0.22	<0.22	-
Silver (μg/Rm³) ⁽¹⁾	<0.043	<0.041	<0.044	<0.043	-
Thallium (µg/Rm ³) (1)	<0.043	<0.041	<0.044	<0.043	-
Vanadium (µg/Rm³) (1)	<0.022	<0.020	<0.022	<0.021	-
Zinc $(\mu g/Rm^3)^{(1)}$	6.26	7.56	7.94	7.25	-
Dioxins and Furans (pg TEQ/Rm ³) (3)	<3.84	<5.09	<3.37	<4.10	60
Total Chlorobenzenes (ng/Rm³) (1)	<440	<605	<496	<514	-
Total Chlorophenols (ng/Rm ³) (1)	<176	<169	<166	<171	-
Total PAHs (ng/Rm ³) (1)	<254	<241	<286	<260	-
VOCs (μg/Rm³) ⁽¹⁾	<100	<73.7	<73.6	<82.4	-
Aldehydes (µg/Rm³) (1)	<1.80	<0.70	<0.44	<0.98	-
Total VOCs (μg/Rm³) (1) (4)	<102	<74.4	<74.0	<83.4	-
Quench Inlet Organic Matter (THC) (ppm, dry) (2)	1.5	1.1	0.5	1.0	50

^{*} based on process data provided by Covanta

⁽¹⁾ dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

⁽²⁾ dry basis as equivalent methane (average of each 60 minute test with data recorded in 1-minute intervals)

⁽³⁾ calculated using the NATO/CCMS (1989) toxicity equivalence factors and the full detection limit for those isomers below the analytical detection limit, dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

⁽⁴⁾ Includes all components from the volatile organic compounds test list in the ECA (i.e. Volatile Organic Sampling Train and Aldehyde Sampling train components).



The average results for the tests conducted at Boiler No. 2, along with the respective in-stack emission limits, are summarized in the following table:

Steam (tonnes/day)*	Parameter	Test No. 1	Test No. 2	Test No. 3	Average	In-Stack Limit
Average Combustion Zone Temp. (°C)* Steam (tonnes/day)*	Total Power Output (MWh/day)*	-	-	-	381	-
MSW Combusted (tonnes/day)* - - - 196 - NO, Reagent Injection Rate (liters/day)* - - - 631 - -	Average Combustion Zone Temp. (°C)*	-	-	-	1211	-
NO _x Reagent Injection Rate (liters/day)*	Steam (tonnes/day)*	-	-	-	808	-
Carbon Injection (kg/day)*	MSW Combusted (tonnes/day)*	-	-	-	196	-
Lime Injection (kg/day)* 4205 Filterable Particulate (mg/Rm³) (1)	NO _x Reagent Injection Rate (liters/day)*	-	-	-	631	-
Filterable Particulate (mg/Rm³) (ii) 0.29 <0.30 0.16 <0.25 9	Carbon Injection (kg/day)*	-	-	-	128	-
PM ₁₀ with Condensable (mg/Rm ³) (ii)	Lime Injection (kg/day)*	-	-	-	4205	-
PM ₁₀ with Condensable (mg/Rm ³) (ii)	Filterable Particulate (mg/Rm³) (1)	0.29	<0.30	0.16	<0.25	9
PM _{2.5} with Condensable (mg/Rm³) (1) 4.46 <4.88 <5.32 <4.89 - Hydrogen Fluoride (mg/Rm³) (1) <0.11	PM ₁₀ with Condensable (mg/Rm ³) (1)	4.73	<4.95	<5.38	<5.02	-
Ammonia (mg/Rm³) (11) 0.91 0.74 0.63 0.76 - Cadmium (μg/Rm³) (11) 0.054 0.047 0.034 0.045 7 Lead (μg/Rm³) (11) 0.37 0.31 0.28 0.32 50 Mercury (μg/Rm³) (11) 0.081 <0.078	PM _{2.5} with Condensable (mg/Rm ³) (1)	4.46	<4.88	<5.32	<4.89	-
Ammonia (mg/Rm³) (11) 0.91 0.74 0.63 0.76 - Cadmium (μg/Rm³) (11) 0.054 0.047 0.034 0.045 7 Lead (μg/Rm³) (11) 0.37 0.31 0.28 0.32 50 Mercury (μg/Rm³) (11) 0.081 <0.078	Hydrogen Fluoride (mg/Rm³) (1)	<0.11	<0.099	<0.098	<0.10	-
Lead (μg/Rm³) (¹) 0.37 0.31 0.28 0.32 50 Mercury (μg/Rm³) (¹) 0.081 <0.078	Ammonia (mg/Rm³) (1)	0.91	0.74	0.63	0.76	-
Mercury (μg/Rm³) (1) 0.081 <0.078 0.083 <0.081 15 Antimony (μg/Rm³) (1) 0.047 <0.043	Cadmium (µg/Rm³) (1)	0.054	0.047	0.034	0.045	7
Mercury (μg/Rm³) (1) 0.081 <0.078 0.083 <0.081 15 Antimony (μg/Rm³) (1) 0.047 <0.043	Lead (μg/Rm³) ⁽¹⁾	0.37	0.31	0.28	0.32	50
Antimony (μg/Rm³) (1) 0.047 <0.043	Mercury (μg/Rm³) ⁽¹⁾	0.081	<0.078	0.083	<0.081	15
Barium (μg/Rm³) (1)	Antimony (μg/Rm³) ⁽¹⁾	0.047	<0.043	0.041	<0.044	-
Barium (μg/Rm³) (1)	Arsenic (μg/Rm³) ⁽¹⁾	<0.045	<0.043	<0.041	<0.043	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Barium (μg/Rm³) ⁽¹⁾	1.77	1.53	1.51	1.60	-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Beryllium (μg/Rm³) ⁽¹⁾	<0.045	<0.043	<0.041	<0.043	-
Copper (μg/Rm³) (¹) 4.10 3.59 3.88 3.86 - Molybdenum (μg/Rm³) (¹) 5.13 5.19 4.72 5.01 - Nickel (μg/Rm³) (¹) 1.02 0.82 0.76 0.87 - Selenium (μg/Rm³) (¹) <0.22	Chromium (μg/Rm³) ⁽¹⁾	0.88	0.67	0.73	0.76	-
Molybdenum (μg/Rm³) (¹¹) 5.13 5.19 4.72 5.01 - Nickel (μg/Rm³) (¹¹) 1.02 0.82 0.76 0.87 - Selenium (μg/Rm³) (¹¹) <0.22		0.047	<0.043	0.021	<0.037	-
Nickel (µg/Rm³) (1)		4.10	3.59	3.88	3.86	-
Selenium (μg/Rm³) $^{(1)}$	Molybdenum (μg/Rm³) ⁽¹⁾	5.13	5.19	4.72	5.01	-
Silver (μg/Rm³) (1)	Nickel (μg/Rm³) ⁽¹⁾	1.02	0.82	0.76	0.87	-
Thallium (μg/Rm³) $^{(1)}$		<0.22	<0.22	<0.20	<0.22	-
Vanadium (μg/Rm³) (¹) 0.038 <0.022 <0.020 <0.027 - Zinc (μg/Rm³) (¹) 8.34 4.62 5.63 6.20 - Dioxins and Furans (pg TEQ/Rm³) (³) <6.76		<0.045	<0.043	<0.041	<0.043	-
Zinc (μg/Rm³) (1) 8.34 4.62 5.63 6.20 - Dioxins and Furans (pg TEQ/Rm³) (3) <6.76						-
Dioxins and Furans (pg TEQ/Rm³) (³) <6.76 <8.35 <6.95 <7.35 60 Total Chlorobenzenes (ng/Rm³) (¹) <341						-
Total Chlorobenzenes (ng/Rm³) (1) <341	Zinc (μg/Rm³) ⁽¹⁾	8.34	4.62	5.63	6.20	-
Total Chlorophenols (ng/Rm³) (1)	Dioxins and Furans (pg TEQ/Rm ³) (3)	<6.76	<8.35	<6.95	<7.35	60
Total PAHs (ng/Rm³) (1) <312 <298 <216 <275 - VOCs (μg/Rm³) (1) <74.5	Total Chlorobenzenes (ng/Rm³) (1)					-
VOCs (μg/Rm 3) (1)	Total Chlorophenols (ng/Rm³) (1)	<159	<165	<162	<162	-
Aldehydes (μg/Rm³) ⁽¹⁾ <0.32 <0.33 <0.37 <0.34 - Total VOCs (μg/Rm³) ^{(1) (4)} <74.8 <60.6 <137 <90.9 -		<312	<298	<216	<275	-
Total VOCs (μg/Rm³) (1) (4) <74.8 <60.6 <137 <90.9 -	VOCs (μg/Rm³) ⁽¹⁾	<74.5	<60.3	<137	<90.6	-
	Aldehydes (μg/Rm³) (1)	<0.32	<0.33	<0.37	<0.34	-
Quench Inlet Organic Matter (THC) (ppm, dry) (2) 0.1 0.9 0.4 50	Total VOCs (μg/Rm³) (1) (4)	<74.8	<60.6	<137	<90.9	-
	Quench Inlet Organic Matter (THC) (ppm, dry) (2)	0.1	0.1	0.9	0.4	50

^{*} based on process data provided by Covanta

⁽¹⁾ dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

⁽²⁾ dry basis as equivalent methane (average of each 60 minute test with data recorded in 1-minute intervals)

⁽³⁾ calculated using the NATO/CCMS (1989) toxicity equivalence factors and the full detection limit for those isomers below the analytical detection limit, dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

⁽⁴⁾ Includes all components from the volatile organic compounds test list in the ECA (i.e. Volatile Organic Sampling Train and Aldehyde Sampling train components).



A summary of the minimum, average and maximum concentrations for the combustion gases measured by the DYEC CEMS with in-stack limits listed in the ECA is provided below for the two units.

Boiler No.	Parameter	Minimum	Average	Maximum	In-Stack Limit
	Carbon Monoxide (mg/Rm³) (1)	7.8	12.6	20.5	40
Boiler No. 1	Hydrogen Chloride (mg/Rm ³) (2)	2.4	3.1	3.8	9
	Nitrogen Oxides (mg/Rm ³) (2)	108	109	110	121
	Sulphur Dioxide (mg/Rm ³) (2)	0	0.3	1.0	35
	Carbon Monoxide (mg/Rm ³) (1)	8.3	12.7	24.8	40
Poilor No. 2	Hydrogen Chloride (mg/Rm ³) (2)	2.5	2.9	3.5	9
Boiler No. 2	Nitrogen Oxides (mg/Rm ³) (2)	109	110	111	121
	Sulphur Dioxide (mg/Rm ³) (2)	0	0.7	2.3	35

- (1) 4-hour average measured by DYEC CEMS, dry at 25°C and 1 atmosphere adjusted to 11% oxygen by volume
- (2) 24-hour average measured by DYEC CEMS, dry at 25°C and 1 atmosphere adjusted to 11% oxygen by volume



Lyndsay Waller Operations Technician

The Regional Municipality of Durham 605 Rossland Road East, Box 623 Whitby, Ontario, L1N 6A3

Tel: (905) 404-0888 ext. 4107 Email: lyndsay.waller@durham.ca

> October 1st, 2021 Project Reference #: J21042

RE: Audit of Spring 2021 Voluntary Source Testing – Preliminary Findings

Dear Ms. Lyndsay Waller,

At this time, we are providing our preliminary review of the sample collection for the Spring 2021 Voluntary Source Testing of the Durham York Energy Centre (DYEC). This preliminary review provides a general overview of our findings. A more detailed review of the testing campaign will be provided once the final source testing report has been reviewed. The field sampling audits were undertaken by Adomait Environmental Solutions Inc. (Adomait).

Source Sampling Audit

Adomait observed the sampling of two stack trains at the Durham York Energy Centre, focusing specifically on the sampling of semi-volatile organic compounds (SVOC) conducted on June 17th and 18th, 2021.

Mr. Andrew Lanesmith observed the control room parameters in the conference room as described below during the sample collection periods. Mr. Adomait was responsible for observing the stack samplers throughout the process. The observations focused primarily on the stack sampling methods and implementation procedures.

As discussed in the June 2020 audit, during previous audits, one auditor was stationed in the Process Operations Center or control room, to observe one-minute readings as they appeared on the system monitors. The auditing process involved reviewing the excel files, manually recording data on a 10-minute interval to provide continuity and consistency with previous audits, taking note of anomalies and discussing deviations with facility staff and any measures taken as a result.

In wake of the Covid-19 pandemic, policies were established to reduce the risk of infection. As a result, the auditor did not have direct access to the control room. Instead, the auditor



was stationed in a conference room equipped with a screen to display real-time and recent data related to parameters being monitored. In addition, excel files containing one-minute data were provided to the auditor at intervals during the stack testing events. The one-minute data corresponded to times of the stack tests for parameters monitored in previous audits, except for the quench-tower inlet/outlet temperatures and moisture levels. The temperatures were obtained from the display screen in the conference room; however, moisture data could only be accessed directly from the system monitors in the control room. Therefore, the June 2021 audit does not include the monitoring of moisture levels.

The following were the observations from the audit.

- 1. As a general observation, parameters being recorded maintained stable readings throughout the observation period. The few deviations that were observed, such as carbon monoxide (CO) spikes, were typical of previous tests and generally did not persist beyond one minute. On June 18th, the lime dosage for Unit 1 was significantly higher than observed in previous audits due to elevated inlet sulfur dioxide (SO₂) and hydrogen chloride (HCl) concentrations. As noted by Covanta personnel, the lime control and wetting mixer systems are set up to respond to certain setpoints and criteria to ensure the outlet emissions are well below permit limits. This is discussed further below.
- Oxygen concentrations, recorded on a 10-minute interval, were maintained greater than 6% and ranged from 6.0 to 11.3% for both units on a one-minute basis. The ECA specifies that the oxygen concentration shall not be less than 6% as recorded by the CEM system.
- 3. CO concentrations were generally stable throughout the tests, ranging between 5 and 20 ppm. Occasional spikes in CO concentration were typically less than 50 ppm and were likely cold CO spikes that may be attributed to incomplete combustion. In one instance, the CO concentration spiked to 219 ppm in Unit 2 at 17:35 on June 17. This was likely a hot spike which is usually accompanied by a rise in furnace temperature, although this was not observed in the data provided. In every case, whether cold or hot CO spikes, the CO concentrations were immediately returned to typical CO concentrations. The occurrence of CO spikes is normal, and the immediate suppression of spikes indicates that the systems are operating effectively.
- 4. The average nitrogen oxides (NO_x) concentration during each day of testing ranged between 109 and 111 ppm which is below the emission limit of 121 ppm calculated as a 24-hour rolling arithmetic average.
- 5. The quench tower inlet and outlet temperatures showed consistent control of the rising temperatures on both monitoring days during sample collection. The inlet temperatures rose moderately from 168°C to approximately 176°C. The outlet temperatures generally remained in the low to mid 150's°C, although a slight rise to 161°C was observed in Unit 1 later in the day on June 17th. Based on previous



- source testing observations, the quench tower inlet temperatures was expected to increase during the day (within allowable limits).
- 6. As a result of consistent outlet temperatures from the Quench tower, the baghouse inlet temperatures remained steady, generally between 139 and 146°C. This is approximately the midpoint of the ECA performance requirement of 120 to 185°C (Section 6(2)(h)). These readings were consistent with observations from previous stack tests (typically in the range of 138 to 145°C). Consistent temperatures in the baghouse allow comparison between data sets at different times. It is also important when considering the volatilization of various dioxins and furans that may be in particle-bound form in the baghouse. Increased temperatures could volatilize dioxins and furans already captured by the baghouse in particle-bound form.
- 7. Production at the plant is often evaluated in terms of steam flow. Steam flow was typically in the range of 32 to 35 thousand kg/hour, with readings ranging between 30.3 and 35.6 kg/hr. The production was similar to levels observed during other stack testing campaigns at this plant. Similar production also makes the comparison between different stack tests possible.
- 8. Carbon and lime dosage were generally consistent with the previous testing campaigns. Carbon doses averaged approximately 5 to 6 kg/hour. The lime feed rate generally ranged between 170 and 180 kg/hour. On June 18th, the lime dosage for Unit 1 was significantly higher than observed in previous audits, averaging 260 kg/hour due to elevated inlet SO₂ and HCl concentrations. As noted by Covanta personnel, the lime control and wetting mixer systems are set up to respond to certain setpoints and criteria to ensure the outlet emissions are well below permit limits. The acquired 1-minute data for HCl concentrations demonstrate levels well below the permit limits, indicating that the lime control and wetting mixer systems are operating effectively.
- 9. Airflow remained stable throughout the stack tests. Airflow for Unit 1 and Unit 2 generally ranged between 82,000 to 88,000 m³/hour and 89,000 to 94,000 m³/hour, respectively, although higher flows of up to 120,000 m³/hour were occasionally recorded.

Observations of the stack testing procedures were undertaken during the SVOC sampling part of the program. The field observations are provided below (field notes are provided in the appendix).

1. Where possible, leak checks were observed at both the start, traverse change, and at the conclusion of all SVOC tests. When the leak checks were successful, the tests was regarded as valid. The summary of field observations is shown in the tables below. Leak checks were always performed in a systematic and non-rushed manner to ensure good QA/QC.



- 2. Previous aberrations in the velocity measurements were reduced by using metal plates and rubber sealer plates to reduce and minimize these problems. This set-up was similar to that conducted in the last set of stack tests.
- 3. Impinger/XAD temperatures were checked during every reading at each sampling train. Ortech supplied plenty of ice to the crews. The temperatures were maintained in the 45-55°F range. This was adequate as it improves adsorption of dioxins/furans on the sampling media.
- 4. The audit team also recorded dry gas meter correction and pitot factors for comparison with the final report.
- 5. All trains operating at the baghouse outlet locations were inserted and withdrawn from the stack with the sampling train was operating. Given the high negative pressure at these locations, it was important to ensure that the filter was not displaced prior to sampling beginning. This procedure also limits loss of any sample from the train.
- 6. Recoveries were not observed in the recovery trailer due to Covid-19 protocols in effect.

In conclusion, the protocols used in the field should produce consistent samples for the laboratory. The final emission results should reflect the numbers produced by the Covanta boilers providing the protocols are adhered to at the laboratory.

SVOC samples were collected following the procedures in EPS 1/RM/2 and US EPA Method 23. During the source testing, Ortech followed the sampling and recovery procedures as specified in the methods to maintain the integrity of the samples. Ortech had adequate staff on site to collect samples and transfer the sampling media to the on-site lab for recovery and clean-up. Communications with the control room were maintained at an excellent level to ensure samples were collected during representative operating conditions.

Laboratory Processing Audit

At the request of the Regional Municipality of Durham, Airzone One Ltd. (Airzone) did not audit the laboratory processing samples for the testing program. Airzone will review the laboratory data provided with Ortech's final report, with specific focus on the dioxin/furan and particulate matter results.

Conclusion

Based on the observations made during collection of samples, we are satisfied that Ortech collected all dioxin and furan samples according to standard operating procedures and approved methods, with the deviations from the methods/protocols already noted. Final



comments concerning the results of all the testing and compliance of the facility will be made upon review of the final stack testing report to be issued by Ortech.

Sincerely,

Margaret Matusik, B.ASc Air Quality Modeller

Airzone Óne Ltd.

mmatusik@airzoneone.com



Appendix - Field Notes

	Semi-Vol	atiles-1	Semi-V	Semi-Volatiles-1			
Date	June 1	7-21	June	June 17-21			
Observation	Boile	r #1	Boiler #2				
Nozzle Size/Type	0.2511	Glass	0.252	28 Glass			
Meter Cal/ID	0.993/Ma	ay 5-21	0.994/A	April 30-21			
Pitot cal	0.84	16	0.	.843			
Calc Moisture	169	%	1	7%			
Static	-10.	.2"	-1	0.6"			
Pitot Leak Check	Yes g	ood	Yes	Good			
Pre-traverse Leak Check	0.004 @16"		0.004 @17"				
SVOC Test Start Time	8:56		8:54				
Running On Insertion	Yes		Yes				
Trap temperature	43, 45 °F		47, 49 °F				
Running on removal	Yes		Yes				
Traverse Completed	10:56		10:54				
Post-traverse Leak	0.008@15"		0.004@23"				
Check							
Pre-traverse Leak Check		0.008@14"		0.004 @20"			
SVOC Traverse Start		11:06		11:09			
Time							
Trap temperature		44, 45 °F		43, 45 °F			
Traverse Completed		13:06		13:09			
Final Leak Check		0.004@15'		0.004 @15"			
Running on removal		Yes		Yes			



	Semi-Vol	atiles-2	Semi-\	/olatiles-2		
Date	June 1	7-21	June	e 17-21		
Observation	Boile	r #1	Boiler #2			
Nozzle Size/Type	0.2511	Glass	0.252	28 Glass		
Meter Cal/ID	0.993/Ma	ay 5-21	0.994/	April 30-21		
Pitot cal	0.84	46	0	.843		
Calc Moisture	16 ⁹	%	1	7%		
Static	-10	.2"	-1	0.6"		
			_			
Pre-traverse Leak Check	0.004 @15"		0.004 @15"			
SVOC Test Start Time	14:19		14:03			
Running On Insertion	Yes		Yes			
Trap temperature	53, 52 °F		42, 51 °F			
Running on removal	Yes		Yes			
Traverse Completed	16:19		16:03			
Post-traverse Leak Check	0.002@15"		0.004@15"			
Pre-traverse Leak Check		0.002@15"		0.004 @15"		
SVOC Traverse Start		16:26		16:10		
Time						
Trap temperature		52, 53 °F		44, 46 °F		
Stack temperature		294 °F		289 °F		
Traverse Completed		18:26		18:10		
Final Leak Check		0.004@18'		0.004 @15"		
Running on removal		Yes		Yes		



	Semi-Vol	atiles-3	Semi-Vo	olatiles-3		
Date	June 1	8-20	June	18-20		
Observation	Boile	· #1	Boiler #2			
Nozzle Size/Type	0.2511	Glass	0.2528	3 Glass		
Meter Cal/ID	0.993/Ma	ay 5-21	0.994/Ap	oril 30-21		
Pitot cal	0.84	12	3.0	341		
Calc Moisture	169	%	17	7%		
Static	-10.	3"	-9	.5"		
Pitot Leak Check	Yes g	ood	Yes	Good		
Pre-traverse Leak Check	0.004 @10"		0.002 @13"			
SVOC Test Start Time	9:09		9:15			
Running On Insertion	Yes		Yes			
Trap temperature	49, 50, 49 °F		41, 42, 45 °F			
Running on removal	Yes		Yes			
Traverse Completed	11:09		11:15			
Post-traverse Leak	0.004 @10"		0.002@13"			
Check						
Pre-traverse Leak Check		0.003 @10"		0.003 @13"		
SVOC Traverse Start		11:23		11:30		
Time						
Trap temperature		49, 47, 47		41, 45, 50 °F		
		°F				
Traverse Completed		13:23		13:36		
Final Leak Check		0.006@17"		0.004 @15"		
Running on removal		Yes		Yes		

Attachment #3 to Report #2021-INFO-108

Technical Memorandum

To: Gioseph Anello, PEng, Region of Durham

Cc: Andrew Evans, PEng (Region of Durham)

Laura McDowell, Peng (Region of York)

Muneeb Farid; Seth Dittman, PEng (Region of York)

Kirk Dunbar, Alan Cremen, Steve Deduck, Annette Scotto (HDR)

From: Bruce Howie, PE

Date: October 7, 2021

Re: Durham York Energy Centre: Spring 2021 Stack Test

HDR Observations During Testing and Summary of Results

Introduction

During the period from June 14 through June 18, 2021, ORTECH Consulting, Inc. (ORTECH) conducted the Voluntary Source Test at the Durham York Energy Center (DYEC) for the Regions of Durham and York. This voluntary testing has been performed annually since Commercial Operation. Testing was performed in accordance with the reference methods required under Section 7(1) of the Amended Environmental Compliance Approval (ECA) No. 7306-8FDKNX, originally issued by the Ontario Ministry of Environment, Conservation and Parks (MECP) on June 29, 2011. HDR personnel were on-site to observe DYEC operations and procedures during the testing on June 17, and 18. The purpose of this technical memorandum is to summarize the observations made by HDR personnel during the testing as well as to summarize our review of the results for the Source Testing based on the information provided in the ORTECH Test Report dated September 16, 2020.

HDR Observations during the Compliance Source Test

The tentative testing schedule for the June 2021 Voluntary Source Test is included in Attachment A to this Technical Memorandum. Also included in Attachment A is a summary of the testing observed by HDR. HDR's role on-site was to observe Covanta's operations of the DYEC during test sampling, and to observe ORTECH's sampling procedures and activities. HDR personnel were on-site during the air emission testing on June 17 and 18, to observe the source test sampling activities with particular focus on the dioxins/furans tests performed on June 17 and 18 for both Units 1 and 2. HDR observed the operations of the boiler and air pollution control system to verify the DYEC was being

operated under normal operating conditions during the test periods. The following is a summary of the key events and observations made by HDR during the sampling days that we were at the DYEC.

Thursday, June 17th

Unit 1

Testing began at approximately 08:54 with run #1 for Dioxin/Furan starting at 08:56 and ending at 13:09. The second Dioxin/Furan run started at 14:19 and ended at 18:26. All four (4) Vost as well as three (3) aldehyde tests were successfully completed.

<u>Unit 2</u>

Run # 1 for dioxin/Furan began at 08:54 and concluded at 13:09. The second Dioxin/Furan run began at 14:03 and was completed at 18:10. All four (4) Vost tests and three (3) Aldehyde tests were successfully completed. There were no issues with unit 2 during testing.

During these observations both boilers were performing well and were at full load at approximately ~34,000kg/hr. Ammonia and carbon rates were at approximately 25kg/hr and 5.2 kg/hr, respectively, for Unit 1 and 29 kg/hr and 5.2 kg/hr, respectively, for Unit 2. Unit 1 had a steam outlet temperature of approximately 493 Deg C while Unit 2 was at approximately 498 Deg C throughout testing. Both units had steam pressure of approximately 90 bar. Baghouse cleaning was in auto and was pulsing through the day. Cems data all below limits SO2 <1 and HCl<4 CO<15 mg/Rm3 (limit 40). Combustion temperatures were between 1,050 and 1,100 Deg C for each unit. The system was operating the VLN fresh air mode which is normal operation. The baghouse dP was approximately 14.3 mbar for Unit 1 and 12.2 mbar for Unit 2. The baghouse outlet temperature was between 138 and 141 Deg C for each unit.

Friday, June 18th

<u>Unit 1</u>

Testing began at approximately 09:00 with run #3 for Dioxin/Furan starting at 09:10 and ending at 13:22. The third Dioxin/Furan ran without incident.

Unit 2

Run # 3 for dioxin/Furan began at 09:15 and concluded at 13:30. Again the third run for Dioxin/Furan for unit 2 ran smoothly and without incident.

During these observations both boilers were performing well and were at full load at approximately 33,000kg/hr to 34,000kg/hr. Ammonia and carbon rates were at approximately 23kg/hr and 5.2 kg/hr, respectively, for Unit 1 and 27 kg/hr and 5.0 kg/hr, respectively for Unit 2. Unit 1 had a steam outlet temperature of approximately 493 Deg C while Unit 2 was at approximately 500 Deg C throughout testing. Both units had steam pressure of approximately 90 bar. Baghouse cleaning was in auto and was pulsing through the day. Cems data all below limits SO2 <1 and HCl<5 CO<12 mg/Rm3 (limit 40). Combustion temperatures were between 1,000 and 1,100 Deg C for each unit. The system was operating the VLN fresh air mode which is normal operation. The baghouse dP was approximately 12.5 mbar for Unit 1 and 11.2 mbar for Unit 2. The baghouse outlet temperature between 140 and 145 Dea C for each was unit.

HDR noted that Covanta's Rick Koehler was on-site throughout the testing period to assist in the coordination and to observe the Compliance Source Testing.

Based on HDR's observations of the Source Testing, ORTECH conducted the testing in accordance with the applicable standards and procedures. ORTECH was careful during each port change to ensure that the probe was not scraped inside the port during insertion and removal of the probe. In addition, sampling equipment was assembled properly, the ice used in the sample box was replenished in a timely manner, and all required leak checks were conducted. After each completed test, the sampling trains were transported to a trailer located outside the boiler building for recovery and clean up to avoid potential contamination at the test location. It should be noted that the actual clock times associated with each run are slightly longer than the run lengths indicated in the test plan. This difference is due to the time it took ORTECH to pull the probe out of the first port, leak

check the sampling equipment, and insert the probe into the second port. This is typical of stack sampling practices.

Attachment B provides a summary of the DYEC operating data recorded by Covanta's distributive control system (or DCS) during the dioxin/furan tests. As previously noted, HDR did not observe any deviations from the approved test protocol or applicable stack test procedures and based on the operational data and HDR's observations, the boilers and APC equipment were operated under normal conditions during the testing.

Summary of Results

The results of the testing program, based on ORTECH's September 16, 2021 report, are summarized in Table 1 and Figures 1 and 2. As shown, emissions of all pollutants are corrected to 11% oxygen and were below the ECA's Schedule "C" limits. As a part of HDR's review of the ORTECH report, we completed a review of the data presented and calculations. There were no errors in calculations found during this review.

Table 1 - Summary of June 2021 Voluntary Source Test Results

Parameter	Units	ECA	Ur	nit 1	Uı	nit 2
Parameter	Offics	Limit	Result	% of Limit	Result	% of Limit
Particulate Matter (PM) ⁽¹⁾	mg/Rm ³	9	0.78	8.7%	< 0.25	2.8%
Mercury (Hg) ⁽¹⁾	μg/Rm³	15	< 0.086	0.6%	< 0.081	0.5%
Cadmium (Cd) ⁽¹⁾	μg/Rm³	7	0.068	1.0%	0.045	0.6%
Lead (Pb) ⁽¹⁾	μg/Rm³	50	0.44	0.9%	0.32	0.6%
Hydrochloric Acid (HCI) ⁽²⁾⁽³⁾	mg/Rm³	9	3.1	34.4%	2.9	32.2%
Sulphur Dioxide (SO ₂) ⁽²⁾⁽³⁾	mg/Rm ³	35	0.3	0.9%	0.7	2.0%
Nitrogen Oxides (NO _x) ⁽²⁾⁽³⁾	mg/Rm ³	121	109	90.1%	110	90.9%
Carbon Monoxide (CO) ⁽²⁾⁽⁴⁾	mg/Rm³	40	12.6	31.5%	12.7	31.8%
Total Hydrocarbons (THC) ⁽⁵⁾	ppm	50	1	2.0%	0.4	0.8%
Dioxin and Furans ⁽⁶⁾	pg TEQ/Rm³	60	< 4.1	6.8%	< 7.35	12.3%

⁽¹⁾ dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

⁽²⁾ based on process data or CEM data provided by Covanta

⁽³⁾ maximum calculated rolling arithmetic average of 24 hours of data measured by the DYEC CEMS, dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

⁽⁴⁾ maximum calculated rolling arithmetic average of 4 hours of data measured by the DYEC CEMS, dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

⁽⁵⁾ average of three one hour tests measured at an undiluted location, reported on a dry basis expressed as equivalent methane

(6) calculated using the NATO/CCMS (1989) toxicity equivalence factors and the full detection limit for those isomers below the analytical detection limit, dry at 25° C and 1 atmosphere, adjusted to 11% oxygen by volume

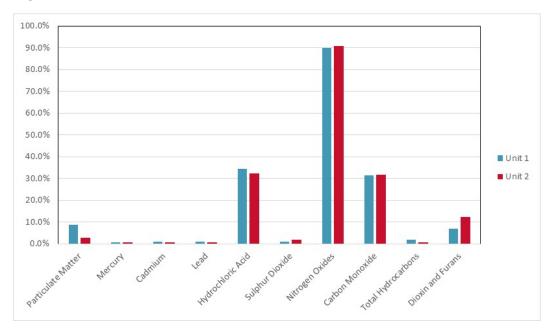
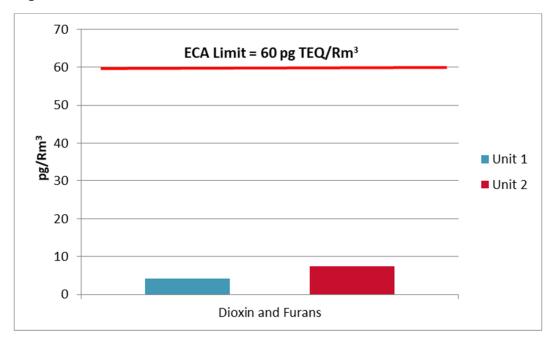


Figure 1 - DYEC Test Results as a Percent of ECA Limit

Figure 2 - Test Results for Dioxins and Furans



Conclusions and Recommendations

HDR has completed our review of the preliminary results of the air emissions testing performed during the DYEC Spring 2021 Voluntary Test. Representatives from HDR were present at the DYEC to observe the sampling procedures and facility operations throughout the majority of the testing period that occurred between June 17 and June 18, 2021. HDR observed ORTECH following the approved stack sampling procedures and test methods. HDR also observed Covanta's plant personnel operating the DYEC under normal operating conditions and in accordance with acceptable industry operating standards. Based on the results summarized in ORTECH's final test report (dated September 16, 2021), the air emission results of the Spring 2021 Voluntary Test demonstrated that the DYEC operated below the ECA's Schedule "C" limits.

Attachments:

Attachment A – Tentative Stack Test Schedule and Summary of Testing Observed by HDR

Attachment B – Summary of Operating Data during Dioxin/Furan Tests

Attachment A: Tentative Stack Test Schedule & Summary of Testing Observed by HDR.

Attachment #3 to Report #2021-INFO-108

Tentative Test Schedule (revised)

Day/Lo	cation	Parameter	Method	# of Runs	Duration
Mon., June 14	#1 & #2 APC	Setup and Prelim. Particulate	Ontario M5	2	60
Mon., June 14 Tues., June 15 Wed., June 16	#1 ADC Quelot	Particulate/Metals	Ontario M5/EPA M29	2	180
Tues lune 15	#1 APC Outlet	Hydrogen Fluoride	EPA M26A	3	60
rues., Julie 15	#2 ABC Outlot	Particulate/Metals	Ontario M5/EPA M29	1	180
Tues., June 15	#2 APC Outlet	PM ₁₀ , PM _{2.5} & Condensables	EPA Method 201A/202	3	120
	#1 ABC Outlot	PC Setup and Prelim. Particulate Ontario M5 2	3	120	
Wed., June 16	#1 APC Outlet	Particulate/Metals	Ontario M5/EPA M29	1	180
	#2 ABC Outlet	Particulate/Metals	Ontario M5/EPA M29	2	180
	#2 APC Outlet	Hydrogen Fluoride	EPA M26A	3	60
	#1 APC Outlet Hydrogen Fluoride EPA M26A #2 APC Outlet Particulate/Metals Ontario M5/EPA M29 PM10, PM2.5 & Condensables EPA Method 201A/202 #1 APC Outlet Particulate/Metals Ontario M5/EPA M29 Particulate/Metals Ontario M5/EPA M29 #2 APC Outlet Hydrogen Fluoride EPA M26A #1 APC Outlet Dioxin/Furan EPS 1/RM/2 VOST SW846-0030 NCASI Method ISS/FP-A105.01 #2 APC Outlet Aldehydes NCASI Method ISS/FP-A105.01 NCASI Method ISS/FP-A105.01 NCASI Method ISS/FP-A105.01	EPS 1/RM/2	2	240	
Wed., June 16	#1 APC Outlet	VOST	SW846-0030	3	40
Thurs Iuma 17		Aldehydes		3	60
Thurs., June 17		Dioxin/Furan	EPS 1/RM/2	2	240
	#2 APC Outlet	VOST	SW846-0030	3	40
		Aldehydes	,	3	60
Eri luno 10	#1 APC Outlet	Dioxin/Furan	EPS 1/RM/3	1	240
Fri., June 18	#2 APC Outlet	Dioxin/Furan	EPS 1/RM/2	1	240

Note: Saturday June 19th is reserved as a contingency test day.

Summary of Testing Observed by HDR.

Day 3 - Thursday 17th June

Unit	Test Parameter	Test Method	Run No.	Test Start	Test Stop	
	Outlet SVOC (Dioxin/Furan)	EPS 1/RM/2	1	8:56	13:09	
	Outlet SVOC (Dioxin/Furan)	EPS 1/RM/2	2	14:19	18:26	
	VOST	SW846-0030	1	8:50	9:30	
	VOST	SW846-0030	2	9:35	10:15	
	VOST	SW846-0030	3	10:20	11:00	
	VOST	SW846-0030	4	11:05	11:45	
Uni+ 1	Aldahudaa	NCASI Method ISS/FP-	1	12.05	12.05	
Oillt 1	Aldehydes	A105.01	1	12:05	13:05	
	Aldohydos	oxin/Furan) EPS 1/RM/2 2 SW846-0030 1 SW846-0030 2 SW846-0030 3 SW846-0030 4 NCASI Method ISS/FP- A105.01 1 NCASI Method ISS/FP- A105.01 2 NCASI Method ISS/FP- A105.01 2 NCASI Method ISS/FP- A105.01 3 oxin/Furan) EPS 1/RM/2 1	,	13:10	14.00	
On O	Aldehydes	A105.01	2	13:10	14:00	
	Aldahudaa	NCASI Method ISS/FP-	_	44.46	14:31	
	Aldehydes	A105.01	2	14:16	14.51	
	Aldohydos	NCASI Method ISS/FP-	,	14:40	15:40	
	Aldehydes	A105.01	3	14:40	13.40	
	Outlet SVOC (Dioxin/Furan)	EPS 1/RM/2	1	8:54	13:09	
	Outlet SVOC (Dioxin/Furan)	EPS 1/RM/2	2	14:03	18:10	
	VOST	SW846-0030	1	8:49	9:39	
	VOST	SW846-0030	2	9:34	10:14	
	VOST	SW846-0030	3	10:20	11:00	
Linit 2	VOST	SW846-0030	4	11:05	11:45	
Unit 2	Aldahudaa	NCASI Method ISS/FP-	1	12.15	12.15	
	Aldehydes	A105.01	1	12:15	13:15	
	Aldeboodee	NCASI Method ISS/FP-	_	42.22	14.22	
	Aldehydes	A105.01	2	13:23	14:23	
	Aldabudas	NCASI Method ISS/FP-	3	14.20	15.20	
	Aldehydes	A105.01	3	14:30	15:30	

Day 4 - Friday 18th June

<u> </u>	1 11000 1 1 0 0 1 1 0				
Unit	Test Parameter	Test Method	Run No.	Test Start	Test Stop
Unit 1	Outlet SVOC (Dioxin/Furan)	EPS 1/RM/2	3	9:10	13:22
Unit 2	Outlet SVOC (Dioxin/Furan)	EPS 1/RM/2	3	9:15	13:30

Attachment B: Summary of Operating Data during the Dioxin/Furan Tests

June 2021 Voluntary Dioxin Testing Operations Data and Results

		Boiler 1			Boiler 2	
	Run 1	Run 2	Run 3	Run 1	Run 2	Run 3
Operating Parameter	17-Jun	17-Jun	18-Jun	17-Jun	17-Jun	18-Jun
MSW Combusted (tonnes/day)						
Steam (kg/hr)	33,653	33,711	33,801	33,805	33,769	33,701
Steam temp	489	494	494	498	498	501
Primary Air Flow	33,525	33,907	33,158	35,437	34,950	35,262
Overfire Air Flow	8,023	7,765	7,915	7,530	7,455	7,527
Tertiary Air (Fresh LN Air)	10,061	9,992	10,032	10,045	9,974	10,044
Tertiary air temperature °C	31.3	33.8	34.0	29.7	33.0	31.4
Lime Injection (kg/day)	176.7	173.4	277.8	174.7	175.4	184.0
Ammonia Injection Rate (liters/m)	0.4	0.4	0.4	0.4	0.4	0.5
Carbon Injection (kg/hr)	5.2	5.2	5.2	5.2	5.3	5.3
Combustion air preheat temp	113.1	122.0	109.7	120.0	121.9	110.0
Average Combustion Zone Temp °C	1,097	1,103	1,126	1,055	1,064	1,069
Superheater #3 Flue gas inlet Temp °C	509	516	512	590	593	595
Economizer Inlet Temp °C	340	341	340	343	343	342
Economize Outlet Temp °C	171	174	169	171	173	170
Quench Outlet Temp°C	153	156	152	152	153	152
Reactor Outlet (BH Inlet) Temp °C	142	144	141	144	145	144
Baghouse Outlet Temp °C	139	141	139	140	141	141
Tertiary Air Header Pressure mbar	60	60	60	60	60	60
Tertiary Air Left mbar	36	35	35	37	36	36
Tertiary air Right mbar	28	28	28	36	37	36
Baghouse Differential Pressure mbar	14	13	13	13	12	11
Oxygen (%) - Boiler Outlet	8.6	8.5	8.4	8.2	8.3	8.1
Oxygen (%) - Baghouse Outlet	8.3	8.1	8.8	8.5	8.8	9.1
CO -Boiler Outlet - mg/Rm3	14.1	18.3	13.2	17.3	20.0	13.8
CO - Baghouse Outlet - mg/Rm3	8.0	11.1	7.0	15.1	17.4	11.9
NOx - mg/Rm3	111.0	108.6	109.7	108.4	110.4	107.8
NH3 mg/Rm3	12.1	11.8	11.4	7.7	7.0	6.8
Flue gas moisture	17%	18%	17%	16%	16%	15%
Outlet/Stack Dioxin - NATO - (pg TEQ/Rm³)	3.84	5.09	3.37	6.76	8.35	6.95

¹Average Unit data for the periods corresponding to the test run times.

Table 1: DYEC Source Test Emission Results 2018-2021

Parameter	Emission limit	Spring Volu	g 2018 ntary	-	2018 Iliance		g 2019 ntary	_	2019 Diance		g 2020 ntary	_	2020 liance	Spring Volu	g 2021 ntary
		Boiler 1	Boiler 2	Boiler 1	Boiler 2	Boiler 1	Boiler 2	Boiler 1	Boiler 2	Boiler 1	Boiler 2	Boiler 1	Boiler 2	Boiler 1	Boiler 2
Cadmium	7 μg/Rm³	0.14	0.12	0.14	0.04	0.1	0.08	0.18	0.08	0.056	0.11	0.075	0.056	0.068	0.045
Carbon Monoxide	40 mg/Rm ³	19.7	13	13	13.4	13.1	12.2	11.2	12.1	15.2	11.4	11.4	14.1	12.6	12.7
Dioxins and Furans	60 pgTEQ/Rm ³	10.4	10.5	5.05	3.22	4.55	4.58	1.51	3.24	1.82	2.53	28.7	7.26	4.10	7.35
Hydrogen Chloride	9 mg/Rm ³	2	3.8	2.9	4.1	1.9	4.2	3	5.1	4.5	5.1	3.8	3.2	3.1	2.9
Lead	50 μg/Rm ³	0.45	0.29	0.18	0.22	0.59	0.46	0.54	0.57	0.55	0.61	0.37	0.34	0.44	0.32
Mercury	15 μg/Rm ³	0.22	0.77	0.3	0.13	0.35	0.1	0.29	0.1	0.13	0.1	0.34	0.045	0.086	0.081
Nitrogen Oxides	121 mg/Rm ³	109	109	109	111	110	110	111	110	109	109	110	110	109	110
Organic Matter	50 ppmdv	0.8	1.2	0.7	1	1.8	0.5	0.8	0.3	0.2	1.7	0.5	1.1	1.0	0.4
Sulphur Dioxide	35 mg/Rm ³	0.02	0	0	0.1	0.03	0.02	0	0.01	0	0	0.1	0.1	0.3	0.7
Total Suspended Particulate Matter	9 mg/Rm³	1.11	0.96	0.34	0.32	0.62	0.38	0.61	0.54	1.14	1.04	2.6	2	0.78	0.25

Table 2: DYEC 2021 Voluntary Source Test Results Compared to ECA limits and Ontario A-7 limits

Parameter	Units	Boiler #1	Boiler #2	DYEC Average	DYEC ECA limit	% of ECA limit	Ontario A-7
Nitrogen Oxides	mg/ Rm ³	109	110	110	121	91%	198
Total Suspended Particulate Matter	mg/ Rm³	0.78	0.25	1.0	9	11%	14
Sulphur Dioxide	mg/ Rm ³	0.3	0.7	0.5	35	1.4%	56
Hydrogen Chloride	mg/ Rm ³	3.1	2.9	3.0	9	33%	27
Carbon Monoxide	mg/ Rm³	12.6	12.7	12.7	40	32%	40
Mercury	μg/Rm³	0.086	0.081	0.084	15	0.6%	20
Cadmium	μg/Rm³	0.068	0.045	0.057	7	0.8%	7
Lead	μg/Rm³	0.44	0.32	0.38	50	0.8%	60
Dioxin/Furans	pg TEQ/Rm³	4.10	7.35	5.73	60	9.6%	80

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: #2021-INFO-109 Date: October 22, 2021

Subject:

Durham Agricultural Advisory Committee, 2021 Virtual Farm Tour, File: A01-38-02

Recommendation:

Receive for Information

Report:

1. Purpose

1.1 The purpose of this report is to provide an overview of the 19th annual Durham Agricultural Advisory Committee (DAAC) farm tour event which was held virtually on September 28, 2021.

2. Background

- 2.1 Since its inaugural tour in 2003, DAAC has showcased more than 40 farms and other agricultural facilities across Durham Region to more than 1,500 participants.
- 2.2 Due to COVID-19, DAAC was again not able to offer an in-person farm tour experience this year. However, this year's event presented a unique opportunity to virtually experience the full growing season of a potato farm.

3. Previous Reports and Decisions

3.1 On September 25, 2020 Report <u>#2020-INFO-85</u>, provided an overview of the 2020 Virtual Farm Tour.

3.2 #2021-P-2 Durham Agricultural Advisory Committee 2020 Annual Report and 2021 Workplan.

4. Event Overview

- 4.1 Over 126 participants representing municipal and provincial governments; public agencies including conservation authorities, school boards, post-secondary institutions; municipal advisory and economic development committees; the financial and insurance industry; the agricultural community; and media attended the event that premiered a video. The tour highlighted the importance of Durham's agricultural sector, Durham's agricultural heritage, as well as some of the issues and challenges faced by the industry.
- 4.2 The theme for this year's tour was "Cut, Grow, Harvest and Enjoy". A variety of topics were covered including: growing, storing & selling potatoes, farm technology and equipment, family farming, food security and the vertical integration of farming operations.
- 4.3 The video for the tour this year has been made available online at https://www.durham.ca/en/daac-farm-tour.aspx This resource will continue to be made available for public viewing. As of October 18, 2021, the video has been viewed 114 times.
- 4.4 Regional Chair and CEO, John Henry welcomed attendees to the virtual event, while a photo montage from previous tours was displayed. Chair Henry spoke about:
 - The important contributions of the agricultural industry in Durham;
 - The many family farms that have been operational for over 100 years that continue to be a part of the Region's identity and culture;
 - How family farms have evolved over time and are leaders in providing high quality food to the Region and province; and
 - The hard work farmers have done to ensure access to fresh local products during the COVID-19 pandemic.
- 4.5 DAAC Chair, Zac Cahoon presented history on the Committee and introduced the farm being toured for this event. Mr. Cahoon spoke about:
 - The importance of family farms and their long history in the Region;
 - How DAAC again had to adapt this year's farm tour to a virtual video format;

- Vertical integration of farms in the Region;
- Progressive and forward-thinking farms in the Region which contribute to their local communities, and economy;
- How farms are very innovative, self sufficient and take a variety of approaches to use incorporate sustainable food production practices, while mitigating the impacts to the environment; and
- The importance of the agri-food sector.
- 4.6 The virtual farm tour portion included an inside look into Smalley Produce Ltd which owns and operates fields in both York and Durham Regions. Michael Smalley gave participants a tour of his potato farming operation and provided the history of the farm and his family's involvement in the agricultural business. Mr. Smalley also provided information on: the vertical integration of his business; where his products are sold; his warehouse operation including washing, storage and sorting; which varieties of potatoes they grow and why; the science behind successful potato growing; labour on the farm; automation of warehouse operations; farm equipment for harvesting and planting; planning for the growing season; purchasing and planting seed; preparing and maintaining the soil; the fertilizer and herbicides used in the fields; testing on plants to ensure proper growing; and how and when the potatoes are harvested.

5. Event Feedback

- 5.1 Each year, participants are asked to complete a survey that is used by DAAC to evaluate the success of the tour and to help plan for future events. This year, an electronic survey was distributed following the virtual farm tour. From the responses received, almost all agreed that the tour met or exceeded their expectations. In addition, almost half of the respondents had not attended an in-person farm tour prior to this event. This suggests the virtual format is helping to reach a new audience for the event. Some general comments were:
 - It was an interesting session and I learned a lot about this particular type of farming practice and the dedication farmers need to have to work in this industry;
 - This is an excellent initiative to educate people about the realities of agriculture and re-introduce them to Ontario's food system;
 - Great job in mediating the event and creating visuals to see how they operate the farm;
 - I'm glad that I attended the event and I'm going to keep my eyes open in future to see if I'm eating Ontario potatoes;

- Farmland should be protected from development;
- Very well done! Thank you for running the program this year;
- Great video and live Q & A component. Well done! thank you to Smalley's and all others in the planning and execution to the final result; and
- It was a great tour. Thoroughly interesting and enjoyable.
- 5.2 Participants were asked what the "Take Home" message was for them. Responses included:
 - Farming is a large and important industry that needs to be supported;
 - Ongoing challenges for farmers automation, investment required, resource challenges and work hours;
 - Innovation in this sector is incredible;
 - Vertical integration has allowed this family farm to thrive and maintain quality;
 - Farming is hard and vital to our survival. We need to support employment on the farm;
 - Farmers are educated risk takers with significant investments, a concern for the environment and a care for their people;
 - Just how delicate a potato is and how challenging of a crop it is;
 - We have a first class food production system here in Durham (and the GTA) but that it is heavily reliant on the supply chain. The ability to do business locally (buy and sell) is paramount in navigating around widespread supply chain problems and challenges;
 - Agriculture/ farm businesses are complex and require dedicated, knowledgeable entrepreneurs with the right tools and technology to be successful; and
 - There's a lot involved in farming and it's important to learn about the process to sustain food availability, especially with climate change.

6. Relationship to Strategic Plan

- 6.1 This report aligns with/addresses the following strategic goals and priorities in the Durham Region Strategic Plan:
 - a. Goal 3: Economic Prosperity: to build a strong and resilient economy that maximizes opportunities for business and employment growth, innovation and partnership:
 - 3.1 Position Durham Region as the location of choice for business;

- 3.2 Leverage Durham's prime geography, social infrastructure, and strong partnerships to foster economic growth; and
- 3.5 Provide a supportive environment for agriculture and agri-food industries.

7. Conclusion

- 7.1 DAAC is to be commended for its continued efforts in advancing the knowledge of the agricultural industry in Durham, especially during COVID-19. The annual farm tour continues to be an important part of the Council approved work plan for the Committee.
- 7.2 A copy of this report will be forwarded to the Area Municipalities, the Durham Federation of Agriculture, the Golden Horseshoe Food and Farming Alliance, and DAAC.

Respectfully submitted,

Original signed by

Brian Bridgeman, MCIP, RPP Commissioner of Planning and Economic Development If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2305



The Regional Municipality of Durham Information Report

From: Commissioner of Finance

Report: #2021-INFO-110 Date: October 22, 2021

Subject:

Expenditures to Date and Related Funding for Capital Projects in the Seaton Phase 1 Regional Front-Ending Agreement

Recommendation:

Receive for information

Report:

1. Purpose

1.1 The purpose of this report is to provide the requested information for a motion passed at the April 28, 2021 Regional Council meeting (Report No. 2021-COW-6, recommendation G), "That staff report back to Council on the total amounts spent to date on Seaton for capital, and the amounts funded by the Seaton Landowner's Group".

2. Background

- 2.1 The Region executed a Front-Ending Agreement in late 2015 with the Seaton Landowners Group for the Phase 1 lands (Seaton Phase 1 Regional Front-Ending Agreement). The Seaton Landowners Group includes private landowners and the Province of Ontario. The Seaton Phase 1 lands includes 9,800 single detached equivalent residential units and 200 acres of prestige employment lands between the new Whites Road Interchange and Sideline 22. As per the Phase 1 Front-Ending Agreement, the Seaton Landowners Group and the Region are required to construct a number of water supply, sanitary sewer and roads capital projects. A number of these projects have been completed or are currently in the design, or construction phase.
- 2.2 Regional Council approved Report No. 2021-COW-6 at the April 28, 2021 Council Meeting which sought authorization to commence negotiations with the Seaton Landowners Group to develop a Front-Ending Agreement for the balance of the

- development of Seaton (Seaton Phase 2 Regional Front-Ending Agreement). Questions were asked at the Council meeting concerning the costs related to the work being completed as part of the development of the Seaton Phase 1 Lands.
- 2.3 The following sections provide an update on the estimated costs incurred to date related to the water supply, sanitary sewer and roads capital projects that are subject to the Phase 1 Front-Ending Agreement and the amount funded by the Seaton Landowners Group.

3. Previous Reports and Decisions

3.1 Reports No. 2014-J-19 and No. 2015-J-25 recommended the Seaton Phase 1 Front-Ending Agreement and Related Agreements for the Development of the Seaton Community, in the City of Pickering and Report No. 2021-COW-6 recommended the commencement of the negotiations with the Seaton Landowners Group to develop a Front-Ending Agreement to address the balance of the development of Seaton.

4. Capital Cost Estimates

- 4.1 The roads, water supply and sanitary sewer capital projects constructed by the Seaton Landowners Group and the Region to provide capacity for the development of Seaton are divided into three categories as follows:
 - a. Landowner Constructed Works;
 - b. Regional Constructed Works; and
 - c. Regional Attribution Projects (Water and Sanitary Sewer services only) which include mainly infrastructure projects outside of Seaton that have been constructed or will be constructed in the future by the Region. These infrastructure projects mainly service lands outside of Seaton, but have been or will be oversized to accommodate growth in Seaton.
- 4.2 The following table provides the estimated gross costs of these capital works necessary for the buildout of Seaton (Phase 1 and 2 lands).

Table 1
Summary of Water Supply, Sanitary Sewer and Regional Roads
Estimated Gross Capital Costs for Seaton Community (Phase 1 and 2 Lands)
(\$ millions)

	Water Supply ⁽¹⁾	Sanitary Sewer ⁽¹⁾	Regional Roads ⁽²⁾
Landowner Constructed Works	\$139.4	\$115.5	\$134.6
Regional Constructed Works	50.0	61.7	142.2
Attribution Projects	205.2	222.6	NA
Total	\$394.6	\$399.8	\$276.8

Notes:

^{1.}Based on 2021 Seaton Development Charge Background Study released on October 12, 2021.

^{2.} Based on 2018 Regional Development Charge Background Study.

Landowner Constructed Projects

4.3 The Landowner Constructed Projects include the water supply, sanitary sewer and Regional road projects constructed by the Seaton Landowners Group. The majority of these projects are constructed within Seaton and include linear works only (i.e. no vertical assets). The cost of these projects as of June 30, 2021 are as follows:

Table 2
Seaton Landowner Constructed Projects
Costs Incurred to June 30, 2021
(\$ millions)

		Seaton Financing		
Service	Cost	Seaton Share	Federal Oversizing	Regional Share
Water Supply	\$20.96	\$18.38	\$2.30	\$0.28
Sanitary Sewer	80.85	79.26	1.57	0.02
Regional Roads	56.06	56.06	-	-
Total	\$157.87	\$153.70	\$3.87	\$0.30

- 4.4 The Seaton financing share represents the portion of costs funded by the Seaton Landowners Group (i.e. Seaton share and Federal oversizing share). As illustrated in Table 2, the majority of these capital project costs are funded by the Seaton Landowners Group. The minimal Regional Share is related to the oversizing of infrastructure to provide capacity for lands outside of Seaton.
- 4.5 As the Landowners Group are upfronting a significant portion of the Regional water supply, sanitary sewerage and roads infrastructure required to develop Seaton Phase 1, the Region provides the Seaton Landowners with development charge credits for the costs they upfront based on the water supply and sanitary sewer area-specific development charges and the Region-wide roads development charge component. The credits can only be used for development in Seaton.
- 4.6 The Seaton Landowners Group do not receive development charge credits for the Federal oversizing share (i.e. \$3.87 million shown in Table 2). As per the Seaton Phase 1 Front-Ending Agreement, the Region will endeavor to collect from the Federal Government the costs to oversize the water and sewer infrastructure to service the Federal Airport Lands and, if received, will refund the Seaton Landowners Group for the share they financed.

Regional Constructed Projects

4.7 The Regional Constructed Projects include the water supply, sanitary sewer and Regional road projects constructed by the Region. The majority of these infrastructure projects are constructed within the Seaton lands. The cost of these projects as of June 30, 2021 are as follows:

Table 3
Regional Constructed Projects in Seaton Front-Ending Agreement
Costs Incurred to June 30, 2021
(\$ millions)

Service	Cost	Seaton Financing		Regional Share
		Seaton Share	Federal Oversizing	
Water Supply	\$41.37	\$21.30	\$6.16	\$13.91
Sanitary Sewer	3.35	2.78	.03	0.54
Regional Roads	4.15	4.14	-	0.01
Total	\$48.87	\$28.22	\$6.19	\$14.46

- 4.8 There is a larger Regional share for these projects as some of these infrastructure projects required for Seaton provide capacity for developable lands outside of Seaton within the Region's urban boundary. For example, the Brock Road Zone 1 reservoir is needed for Seaton, however it also provides a significant capacity to growth elsewhere (i.e. developable lands within the Town of Ajax and lands in the City of Pickering outside of Seaton).
- 4.9 Similar to the Landowner Constricted Works, the Seaton Landowners will receive development charge credits for the costs they upfront based on the water supply and sanitary sewer area-specific development charges and the Region-wide roads development charge component. The credits can only be used for development in Seaton.
- 4.10 The Seaton Landowners Group do not receive development charge credits for the Federal oversizing share (i.e. \$6.19 million shown in Table 3). As mentioned previously, the Region will endeavor to collect from the Federal Government the costs to oversize the water and sewer infrastructure to service the Federal Airport Lands and, if received, will refund the Seaton Landowners Group for the share they financed, as per the Seaton Phase 1 Front-Ending Agreement.

Regional Attribution Projects

4.11 The third category of capital are the "attribution" projects and are mainly infrastructure projects outside of Seaton that have been constructed or will be constructed in the future by the Region. These water and sewer infrastructure projects mainly service lands outside of Seaton, but have been or will be oversized to accommodate growth in Seaton. Hence, the Regional share is larger for this category of capital projects as illustrated in Table 4.

4.12 The Seaton share of attribution capital costs will be recovered by the Region through the collection of water and sewer area specific development charges (ASDC) from the Seaton Landowners (i.e. at execution of the sub-division agreement for residential development and at building permit for all non-residential development). The following tables provide the costs and financing of the attribution capital projects as of June 30, 2021.

Table 4
Regional Attribution Projects in Seaton Front-Ending Agreement
Costs Incurred to June 30, 2021
(\$ millions)

Service	Cost	Seaton Financing		Regional Share
		Seaton Share	Federal Oversizing	
Water Supply	\$58.89	\$18.02	\$6.16	\$34.71
Sanitary Sewer	178.36	37.73	0.31	140.32
Total	\$237.25	\$55.75	\$6.47	\$175.03

Table 5
Regional Attribution Projects in Seaton Front-Ending Agreement
Financing of Costs Incurred to June 30, 2021
(\$millions)

Funding Source	Financing
Seaton Landowners	\$15.89
Group – ASDCs Paid	
Seaton Landowners Group – Future ASDCs	39.86
Seaton Landowners Group – Federal Share	6.47
Regional Share (1)(2)	175.03
Total	\$237.25

Notes:

- (1) Includes Federal and Provincial Grant Funding of \$31.41 million.
- (2) Regional Share has been funded in prior year's busines plans and budgets.
- 4.13 The Seaton Landowners Group has paid \$15.89 million in attribution development charges and funded the Federal share of \$6.47 million for the projects identified in the Front-ending Agreement to June 30, 2021. The Region will recover the remaining costs of \$39.86 million from the Seaton Landowners Group as the Seaton residential and non-residential lands develop through the payment of the

- attribution development charges. The attributions development charge includes the carrying costs of this outstanding amount.
- 4.14 As per the Seaton Phase 1 Front-Ending Agreement, the Region will endeavor to collect from the Federal Government the costs to oversize the water and sewer infrastructure to service the Federal Airport Lands and refund the Seaton Landowners Group for the share they financed.

Overall Summary of Water Supply, Sanitary Sewer and Regional Roads Project Costing

4.15 The following table provides an overall summary of the total estimated costs of water supply, sanitary sewer and road infrastructure necessary for the development of Seaton Phase 1 and 2 lands (Section A), a summary of costs incurred to date for Phase 1 lands (Section B) and the remaining costs (Section C) which includes remaining projects necessary for the Seaton Phase 1 lands and Phase 2 lands.

Table 6
Summary of Water Supply, Sanitary Sewer and Regional Roads
Estimated Gross Capital Costs for Seaton Community
Total Estimated Costs, Costs Incurred to Date and Remaining Costs
(\$ millions)

Section A. Total Estimated Cost (Phase 1 and 2 Lands) (1)(2)	Water Supply	Sanitary Sewer	Regional Roads
Landowner Constructed Works	\$139.40	\$115.50	\$134.60
Regional Constructed Works	50.00	61.70	142.20
Attribution Projects	205.20	222.60	NA
Total	\$394.60	\$399.80	\$276.80
Section B. Costs Incurred to			
Date (Phase 1 Lands)			
Landowner Constructed Works	\$20.96	\$80.85	\$56.06
Regional Constructed Works	41.37	3.35	4.15
Attribution Projects	58.89	178.36	NA
Total	\$121.22	\$262.56	\$60.21
Section C. Remaining Costs (Phase 1 and 2 Lands)			
Landowner Constructed Works	\$118.44	\$34.65	\$78.54
Regional Constructed Works	8.63	58.35	138.05
Attribution Projects	146.31	44.24	NA
Total	\$273.38	\$137.24	\$216.59

Notes:

- 1. Based on 2021 Seaton Development Charge Background Study released on October 12, 2021.
- 2. Based on 2018 Regional Development Charge Background Study

- 4.16 The Seaton Landowners Group will continue to upfront costs as per the Seaton Phase 1 Front-ending Agreement for the water supply, sanitary sewer and roads capital projects. As authorized in Report No. 2021-COW-6, Regional staff are in negotiations with the Seaton Landowners Group to develop a front-ending agreement for the phase 2 lands.
- 4.17 The Region will continue to collect the Seaton water supply and sanitary sewer area specific development charges and Regional DCs related to the Regional share of costs.

Regional Facilities

- 4.18 There are a number of other capital facilities that will be required to service the development of Seaton, including police, paramedic, transit, waste transfer station, works depot and health and social services facilities. In addition to these facilities, the Region is constructing a new long-term care home in Seaton as the Province advised the Region in March 2021 that the application for 200 long-term care beds was approved. These facilities are not subject to the Seaton Phase 1 Front-ending Agreement and therefore are not being directly front-financed by the Seaton Landowners.
- 4.19 However, the Seaton Landowners will be paying the Region-wide development charges for services such as police, paramedic, Regional transit and long-term care (Regional Council approved by-law amendments in June 2021 that included the cost of the new long-term care home in Seaton). In addition, the Seaton Landowners will be providing additional contributions of \$19.0 million (over \$11.0 million collected to date in accordance with the requirements if the Front-Ending Agreement) which will be utilized to finance these facilities, as previously approved by Regional Council in Report No. 2014-J-19.
- 4.20 Although not part of the Seaton Phase 1 Front-Ending agreement, the Region is to receive an additional \$20.0 million from the ROPA Landowners, included in the ROPA 128 Minutes of Settlement to assist with these facilities (over \$4.5 million has been provided to date). Regional Council has previously directed that these funds be set aside for the Regional facilities required in Seaton (Report No. 2014-J-19).
- 4.21 An additional agreement (Community Lands Agreement) was executed between the Region and the Province, requiring the Province to provide the Region 72.25 acres for Regional purposes at no cost to the Region for water and sewer infrastructure and regional facilities including police, paramedic, transit, works depot and a waste transfer station. All of these lands have been transferred to the Region.
- 4.22 These additional contributions and transfer of lands from the Seaton Landowners Group will be used to address the financial challenges associated with the facility requirements not dealt directly in the front-ending agreement.
- 4.23 Regional Council also adopted a financial strategy in 2018 that sets aside incremental property taxes received during the Seaton development that will

provide additional funding for both the operating and capital costs of these facilities and the delivery of Regional services to the Seaton community.

5. Relationship to Strategic Plan

5.1 This report aligns with Goal Five: Service Excellence of the Strategic plan through the provision of exceptional value to Durham taxpayers through responsive, effective and fiscally sustainable service delivery.

6. Conclusion

- 6.1 This report provides the information as requested at the April 28, 2021 Regional Council meeting regarding the costs spent to date on Seaton infrastructure and the amount funded by the Seaton Landowners Group.
- 6.2 This report has been prepared with assistance of the Regional Works, Planning and Legal Departments.

Respectfully submitted,

Original Signed by

Nancy Taylor, BBA, CPA, CA Commissioner of Finance





65 Harwood Avenue South Ajax ON L1S 3S9 www.ajax.ca

Durham Region Council
The Regional Municipality of Durham Headquarters
605 Rossland Road East
Whitby, Ontario L1N 6A3
clerks@durham.ca

Corporate Services Department Legislative Services Division Date & October 18, 2021 Time 8:47 am Original To: CIP Copies To: Take Appropriate Action File Notes/Comments:

Sent by E-Mail

September 23, 2021

Re: Access to Affordable and Accessible Child Care

The following resolution was passed by Ajax Town Council at its meeting held September 21, 2021:

WHEREAS families in the Greater Toronto Area, including Ajax, pay the highest child care costs in Canada, with most families paying more than \$10,000 annually for each child;

AND WHEREAS the current COVID-19 pandemic has highlighted the important role child care plays in economic security for families and early learning opportunities for children;

AND WHEREAS affordable, high-quality, inclusive and accessible child care is key to reducing equity gaps that have been amplified as a result of COVID-19;

AND WHEREAS the Conference Board of Canada has reported that every \$1 invested in expanding early childhood education and supports yields \$6 in long-term economic benefits;

AND WHEREAS all major parties in the federal election have acknowledged that affordable and sustainable child care is required for the economic and societal advancement of the country;

NOW THEREFORE BE IT RESOLVED THAT:

- 1. Council affirm its support for building a system of early learning and child care services that are affordable, high quality, inclusive and accessible for all families;
- Council calls upon the incoming federal government to establish and implement a National Child Care Framework, including the reduction in full-time child care fees and long-term goals of increasing accessibility and affordability;
- 3. Council encourages the provincial government to work in partnership with municipalities to implement any framework across Ontario;

- 4. That staff be directed to actively monitor federal developments on the issue, and engage with the Region of Durham and the provincial planning discussions that take place to ensure the perspectives of Ajax families are appropriately represented;
- 5. That a copy of this Motion be shared with all members of Durham Regional Council, Durham Regional Chair John Henry, Minister of Education Stephen Lecce, MPP Rod Phillips, all Durham Region MPPs, the Ajax MP-elect, all Durham Region MP-elects, the Prime Minister-elect, the appointed federal Cabinet Minister responsible for child care, and Ontario's Big City Mayors.

If you require further information please contact me at 905-619-2529 ext. 3342 or alexander.harras@ajax.ca.

Sincerely,

Alexander Harras

Manager of Legislative Services/Deputy Clerk

Copy: Regional Councillor S. Lee

Regional Councillor A. Khan

Durham Regional Chair John Henry Minister of Education Stephen Lecce

Hon. Rod Phillips, Minister of Long-Term Care and MPP for Ajax

All Durham Region MPPs

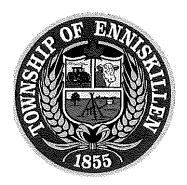
Hon. Mark Holland, Ajax MP

All Durham Region MPs

Rt Hon. Justin Trudeau, Prime Minister of Canada

Hon. Ahmed Hussen, Minister of Families, Children and Social Development

Ontario's Big City Mayors



TOWNSHIP OF ENNISKILLEN 4465 Rokeby Line Petrolia, Ontario NON 1R0 Phone (519) 882-2490 Fax (519) 882-3335 Duncan McTavish Administrator-Clerk/Treasurer Mike Cumming Road Superintendent

Corporate Services Department Legislative Services Division	
Date & Time Received:	October 18, 2021 8:39 am
Original To:	CIP
Copies To:	
Take Appropriate Action File	
Notes/Comments:	

October 5 2021

Minister of Health Patti Hajdu House of Commons Ottawa ON K1A 0A6

Re: Cannabis Act

Dear Minister:

At the regular meeting of the Council of the Township of Enniskillen of October 4 2021 the following resolution was endorsed:

As the Council of the Corporation of the Township of Enniskillen through a resolution January, 2021 had enacted an Interim Control Bylaw to undertake a review of land use policies related to Cannabis Production & Processing Facilities.

The Township of Enniskillen is considered rural with several settlement areas and is primarily zoned Agricultural and has endured the placement of a cannabis facility in our township since the inception of the *Cannabis Act* with little or no compliance, enforcement or oversight from Health Canada. Furthermore, dealing with the enforcement of nuisances such as odour, lights and noise and having only one recourse which is an appeal to the *Normal Farm Practices Protection Board*. This process is costly, lengthy and, in the meantime, causes negative impacts on neighbouring homeowners and unsatisfactory living conditions with the end results costing ALL of the ratepayers of this municipality.

And Whereas correspondence from Health Canada has stated that licenses have regulatory requirements for producers and Health Canada has a range of enforcement tools at its disposal to verify compliance including regular inspections of license holders. This has been proven ineffective in our municipality with both medicinal and recreational licensed cannabis. Health Canada also encouraged to immediately contact our local law enforcement should we suspect illegal activity in our community. Enniskillen, as well as municipalities all across Ontario have incurred extraordinary expenses due to this "encouragement" as the only alternative.

And Whereas with the establishment of cannabis growing operations, and lights, odours and noise are not being properly regulated, and being left up to municipalities to shoulder these concerns, and Health Canada controls the regulations for cannabis growing operations.

THEREFORE, BE IT RESOLVED the Council of the Township of Enniskillen enacts the following:

- that Health Canada research more fully when AND before an applicant is issued a license for either medicinal or recreational cannabis
- AND notification and/or communication be given to the appropriate municipality
- AND that regular inspections of these facilities should be MANDATORY to verify compliance by license holders
- AND upon complaints received by Health Canada online reporting should trigger an unannounced inspection.
- AND a comprehensive study of the Cannabis Act be undertaken as many Ontario municipalities have encountered problems.

AND That copies of this resolution be forwarded to **ALL** Ontario municipalities, and the following:

Federal Minister of Health –
Provincial Minister of Health – Hon. Christine Elliott
Minister of Municipal Affairs & Housing – Hon. Steve Clark
Sarnia-Lambton-Kent MP – Marilyn Gladu
Sarnia-Lambton-Kent MPP – Bob Bailey
London West MPP - Peter Fragiskatos

Duncan McTavish

Yours truly,

Clerk





TOWNSHIP OF ENNISKILLEN 4465 Rokeby Line Petrolia, Ontario NON 1R0 Phone (519) 882-2490 Fax (519) 882-3335 Duncan McTavish
Administrator-Clerk/Treasurer
Mike Cumming
Road Superintendent

October 5 2021

Hon Lisa Thompson Minister of Agriculture, Food & Rural Affairs 1 Stone Road West Guelph ON N1G 4YZ

Dear Minister,

Re: Cannabis Resolution-Township of Enniskillen

At the regular meeting of the Council of the Township of Enniskillen of October 4 2021 the following resolution was endorsed:

As the Council of the Corporation of the Township of Enniskillen through a resolution January, 2021 had enacted an Interim Control Bylaw to undertake a review of land use policies related to Cannabis Production & Processing Facilities.

And Whereas the Township of Enniskillen is considered rural with several settlement areas and is primarily zoned Agricultural and has endured the placement of a cannabis facility in our township since the inception of the *Cannabis Act* with little or no compliance, enforcement or oversight from Health Canada. Furthermore, dealing with the enforcement of nuisances such as odour, lights and noise on the shoulders of the ratepayers of this municipality, with the only recourse being an appeal to the *Normal Farm Practices Protection Board or LPAT*. These processes are both costly and lengthy and, in the meantime, causes negative impacts on neighbouring homeowners and unsatisfactory living conditions.

And Whereas Ministry of Agriculture, Food and Rural Affairs stated Dec 20, 2019 "The ministry recognize the broader concerns raised about the potential for nuisance impacts with the expansion of federally licensed and registered cannabis operations in the province. We also recognize the need for research to inform control measures and effective planning." We are still waiting for this research.

And Whereas the Minister also recommended townships have "tools under the Planning Act and Municipal Act to set siting requirements providing the Provincial Policy Statement 2014 is followed." The "tools" as such consist of Official Plans and Zoning Bylaws. Many municipalities have tried to use these tools effectively only to be slammed with appeals to LPAT and NFFPP at huge expense. Many of the surrounding municipalities have allowed cannabis facilities to be situated only in Industrial/Commercial Zones. For those allowing these facilities in Agriculturally zoned, there are required setbacks. However, our experience has shown the setbacks to be too small and of little assistance to neighbours as far as nuisance complaints.

And Whereas the Minister of Agriculture, Food and Rural Affairs has stated cannabis is an agricultural product with little regard to the PPS. Provincial Policy Statement must be read in its entirety and make reference to *Part IV: Vision for Ontario's Land Use Planning System* – "The Province's natural heritage resources, water resources, including the Great Lakes, agricultural resources, mineral resources, and cultural heritage and archaeological resources provide important environmental, economic, and social benefits., The wise use and management of these resources over the long term is

a key provincial interest. The province must ensure that its resources are managed in a sustainable way to conserve biodiversity, protect essential ecological processes and public health and safety, provide for **the production of food, fur and fiber,** minimize environmental and social impacts, provide for recreational opportunities (e.g. fishing, hunting and hiking) and meet its long-term needs." This statement explicitly identifies **food, fur and fiber** and this reference sets the playing field for Agricultural Resources. Cannabis is neither food, fur nor fiber.

Now therefore, the Council of the Township of Enniskillen enacts the following:

- That Minister of Agriculture and Rural Affairs re-evaluate their position that cannabis is **not** an agricultural product such as food, fur and fiber but is in-fact Industrial/Commercial in nature;
- That Minister of Agriculture and Rural Affairs support all Ontario municipalities to be able to determine appropriate setbacks in Zoning Bylaws as appropriate for their municipality for the placement of cannabis facilities within their Official Plan knowing full well that one size does not fit all;
- That copies of this resolution be forwarded to ALL Ontario municipalities, and the following:
 Federal Minister of Agriculture & Rural Affairs Hon. Marie-Claude Bibeau
 Provincial Minister of Agriculture & Rural Affairs Hon. Lisa Thompson
 Minister of Municipal Affairs & Housing Hon. Steve Clark
 Sarnia-Lambton-Kent MP Marilyn Gladu
 Sarnia-Lambton-Kent MPP Bob Bailey
 London West MPP Peter Fragiskatos

Yours truly,

Duncar/McTavish

Clerk





RESOLUTION 0187-2021 adopted by the Council of The Corporation of the City of Mississauga at its meeting on October 13, 2021

Corporate Services Department Legislative Services Division	
Date &	October 19, 2021
Received:	8:44 am
Original To:	CIP
Copies To:	
Take Appropriate Action File	
Notes/Comments:	

0187-2021 Moved by: P. Saito Seconded by: C. Parrish

WHEREAS On September 14, 2021 the Government of Ontario amended O.Reg. 364/20 under the *Reopening Ontario Act* and issued guidance requiring that patrons provide proof of vaccination to enter certain facilities; and

WHEREAS In accordance O.Reg. 364/20, the City of Mississauga began requiring proof of vaccination to access select indoor services such as City-owned fitness centres, entertainment/cultural venues and sports facilities as of September 22, 2021; and

WHEREAS Community Centres are designed to be multipurpose spaces where a variety of activities are occurring simultaneously and concurrently in amenity spaces such as pools, gymnasiums and arenas; and

WHEREAS Community Centres contain sport facilities, meeting rooms, child care facilities, public libraries and other amenities; and

WHEREAS Children under the age of 18, coaches and team officials participating in an organized sport are not required to show proof of vaccination to enter facilities; and

WHEREAS Children between the ages of 12-18 years of age participating in a non-organized sport or recreational activity (ie, recreational swims, recreational skates, drop-in sport activities) are required to show proof of vaccination to enter facilities; and

WHEREAS the proof of vaccination requirements in O.Reg.364/20 have resulted in extensive confusion for patrons entering our facilities; and

WHEREAS multiple Public Health Units and municipalities have issued orders or implemented policies regarding proof of vaccination that are more restrictive than O.Reg. 364/20, resulting in further confusion for sport participants travelling across municipal boundaries for competition;

THEREFORE BE IT RESOLVED:

- 1. That Council request that the Government of Ontario amend Ontario Regulation 364/20:
 - a. to remove the exemption from the proof of vaccination requirements for youth between the ages of 12-18 years of age participating in organized sport, and associated volunteer coaches, and officials;
 - b. to provide consistent proof of vaccination requirements for all sport, recreation and culture programs and activities for participants between the ages of 12 and 18 years,

- and associated volunteer coaches, and officials; regardless of whether the activities are considered organized or not; and
- 2. That a copy of this resolution be sent to the Premier, the Solicitor General, Provincial Minister of Health, Mississauga MPPs, the Region of Peel and other Ontario Municipalities.

Carried



Legislative Services 111 Erie Street North Leamington, ON N8H 2Z9 519-326-5761

clerks@leamington.ca

October 8, 2021

To Whom it May Concern:

Corporate Services Department
Legislative Services Division

Date & October 19, 2021
Received: 9:07 am

Original To: CIP

Copies To:

Take Appropriate Action File

Notes/Comments:

Please be advised that the Council of The Corporation of the Municipality of Leamington, at its meeting held Tuesday, September 14, 2021 enacted the following resolution:

No. C-279-21

WHEREAS residents and staff at long-term care (LTC) homes have been disproportionately affected by COVID-19; and

WHEREAS in the first wave of the pandemic (March - July 2020) there were approximately 5,488 resident cases and 2,290 staff cases in Ontario and tragically 1,817 residents and seven staff lost their lives to this disease; and

WHEREAS on 15 April 2020, Premier Ford stated, "we will stop at nothing to protect those who cannot protect themselves. Today we are launching an all-out plan to fight COVID-19 in our long-term care homes. We will fortify the iron ring of protection around our long-term care residents and those who care for them. We'll go further in our testing, screening, surveillance, targeting the homes facing outbreaks"; and

WHEREAS there have been approximately 9,417 resident cases and 4,217 staff cases in Ontario in the second wave (2 September 2020-16 February 2021) and 1,869 residents and three staff lost their lives, representing an increase of resident deaths from the first to second wave; and

WHEREAS for-profit LTC homes have seen a disproportionate incidence of care failing to meet the standard of the Long-Term Care Act, which states that "...a long-term care home is primarily the home of its residents and is to be operated so that it is a place where they may live with dignity and in security, safety and comfort and have their physical, psychological, social, spiritual and cultural needs adequately met"; and

WHEREAS the Canadian Armed Forces (CAF) report dated 20 May 2020 revealed conditions including inadequate staffing levels and training, limited medical supplies, unsafe medication administration, insufficient procedures to reduce the spread of

COVID-19, poor infection prevention and control standards of practice, deficiencies in infrastructure and significant concerns about standards of care including seniors calling out for help, rotting food, missed meals, seniors left in soiled diapers and linens and cockroach and bug infestations; and

WHEREAS similar conditions were found in the second wave, including ongoing shortages of qualified, trained staff, ineffective use of PPE to prevent COVID-19 transmission, violation of protocols and practices including one instance in which residents who had tested positive for COVID-19 had their door handles removed, physical distancing and isolation challenges from continuing to house several residents in ward rooms with a shared bathroom and ongoing infection prevention and control standard concerns, all problems that were not fixed after the recommendations of the CAF:

WHEREAS the Provincial Government has launched an independent commission to investigate COVID-19 spread within LTC homes, how residents, staff and families were impacted and the adequacy of measures taken by the province and other parties to prevent, isolate and contain the spread; and

WHEREAS the Association of Municipalities of Ontario (AMO) has provided a Board-approved submission, Improving the Long-Term Care Outbreak Response in Ontario: Submission to the Long-Term Care COVID-19 Commission, on 29 January 2021, outlining recommendations to the Commission on behalf of the municipal governments that operate 100 of the 626 long-term care homes in Ontario; and

WHEREAS AMO's submission puts forward 48 recommendations for action in both public and private long-term care homes across nine themes: Vision for Long-Term Care and Leadership Culture, Public Health and Safety, Planning and Communications, Staffing Measures, Care for Residents, Funding, Inspections - Enforcement and Compliance, and Mental Health and Well-Being; and

WHEREAS one of the key recommendations of the AMO submission is that the Ministry of Long-Term Care and Ministry of Health review the adequacy of infection prevention and control programs under the Long-Term Care Homes Act, 2007 in preventing and managing COVID-19 outbreaks, and to institute higher standards with increased funding to homes to implement these standards; and

WHEREAS the Canada Health Act's aim is to protect, promote and restore the physical and mental well-being of residents of Canada, and that the Federal Government provides health care funding to Provinces and Territories through the Canada Health Transfer; and

WHEREAS the Federal Government does not currently provide funding earmarked to support the LTC home sector, and;

WHEREAS the Federation of Canadian Municipalities (FCM) works with and advocates to the Federal Government to secure new tools and empower municipalities to build stronger communities; and

WHEREAS the operation of LTC homes is a municipal responsibility in Ontario but is of significance to the federal-municipal relationship.

NOW THEREFORE BE IT RESOLVED:

THAT Learnington Municipal Council endorses AMO's recommendations contained in its submission to the Long-Term Care COVID-19 Commission;

THAT Learnington Municipal Council strongly urges the Provincial Government to move forward with implementation of these recommendations, including instituting higher standards with increased funding to homes to implement those standards;

THAT Learnington Municipal Council advocate to the Federal Government to enhance federal health care funding to the Provinces and Territories, specifically dedicating funding to long- term care, and to undertake further efforts to protect, promote and restore the physical and mental well-being of long-term care residents in Canada;

THAT Learnington Municipal Council request the FCM to develop a policy and advocacy position on enhanced federal support for long-term care;

THAT this resolution be sent to the Prime Minister of Canada, the Premier of Ontario, the Federal and Provincial Ministers of Health, and FCM for their immediate action and that a copy be sent to AMO, and Windsor-Essex Members of Parliament and Provincial Parliament for their information;

AND that a copy of this resolution be sent to all Ontario upper-tier and single-tier municipalities for their endorsement.

Carried

Dated today, the 8th day of October, 2021.

Brenda Percy
Signed with Consign O Cloud (2021/107/2)
Verify with verific.com or Adobe Reader.

Brenda Percy, Clerk

The Corporation of the Municipality of Leamington



Corporate Services Department Legislative Services Division	
Date & Time	October 20, 2021
Received:	8:45 am
Original To:	CIP
Copies To:	
Take Appropriate Action File	
Notes/Comments:	

King Township 2585 King Road King City, Ontario Canada L7B Phone: 905.833.5321 Fax: 905.833.2300 Website: <u>www.king.ca</u>

October 19, 2021

The Honourable Catherine McKenna, Minister Ministry of Infrastructure and Communities 180 Kent Street, Suite 1100 Ottawa, ON K1P 0B6

infc.minister-ministre.infc@canada.ca

Dear Minister,

RE: Township of King Resolution - Holland Marsh Treatment Facility
Request the Province of Ontario work to move the Holland Marsh Treatment
Facility forward notwithstanding the "paused" status of the broader UYSS project,
including proceeding to an Environmental Assessment for the Facility
commencing in 2021

At its Council meeting of October 18, 2021, Council of the Township of King received and unanimously supported a Resolution put forward with respect to King's position on the Holland Marsh Treatment Facility as follows:

"WHEREAS the Holland Marsh Treatment Facility (the 'Facility') is a proposed project by the Regional Municipality of York ('York Region') as a potential component of the UYSS Environmental Assessment (EA) and project, and

WHEREAS the Facility would potentially serve as an alternative to the stormwater retrofits proposed in the UYSS EA and achieve a higher level of phosphorus removal in the watershed, improving the already beneficial project; and

WHEREAS the Facility will remove significantly more phosphorous in the Holland River than the stormwater retrofits proposed in the UYSS EA and thereby protect the Lake's watershed from algae growth, resulting in better protection for the watershed's aquatic habitats, increased ecosystem biodiversity and protection of drinking water sources; and

WHEREAS the Federal Government has announced funding of up to \$16 million for the Facility and York Region's funding of up to \$25 million as part of UYSS project; and

WHEREAS further to the June announcement and introduction of the *York* Region Wastewater Act by the Ontario Minister of the Environment, Conservation and Parks, which, if passed, "would put on hold" the Environmental Assessment application for the UYSS project;

THEREFORE, LET IT BE IT RESOLVED THAT;

- 1. The Township of King requests the Province of Ontario work to move the Holland Marsh Treatment Facility forward notwithstanding the "paused" status of the broader UYSS project, including proceeding to an Environmental Assessment for the Facility commencing in 2021; and
- 2. Further to the above, requests the Province of Ontario support the funding of the Holland Marsh Treatment Facility's construction; and
- 3. That staff be requested to circulate this resolution to the Federal Minister of Infrastructure and Communities; the Provincial Minister of the Environment, Conservation and Parks; All Lake Simcoe Region Municipalities, local MPPs and MPs; the Regional Municipality of York, and the Lake Simcoe Region Conservation Authority (LSRCA)".

Motion Carried Unanimously.

Yours truly,

Kathryn Moyle

Director of Corporate Services

Township Clerk

cc. Hon. Jeff Yurek, Minister, Ministry of the Environment, Conservation and Parks minister.mecp@ontario.ca

Stephen Lecce, MPP, King-Vaughan Stephen.lecce@pc.ola.org

Caroline Mulroney, MPP, York-Simcoe caroline.mulroneyco@pc.ola.org

Anna Roberts, MP, King-Vaughan anna.roberts@parl.gc.ca

Scot Davidson, MP, York-Simcoe Scot.Davidson@parl.gc.ca

Chris Raynor, Regional Clerk, Regional Municipality of York regional.clerk@york.ca

Lake Simcoe Region Conservation Authority (LSRCA) Lakesimcoe@ontario.ca

Madhu Malhotra, Manager, Waterways Protection Office, LSRCA

madhu.malhotra@ontario.ca

Wendy Cooke, City Clerk, City of Barrie wendy.cooke@barrie.ca

Cathie Ritchie, City Clerk, City of Kawartha Lakes critchie@kawarthalakes.ca

Gayle Jackson, CAO/City Clerk, City of Orillia clerks@orillia.ca

John Daly, County Clerk, County of Simcoe clerks@simcoe.ca

Ralph Walton, Regional Clerk, Regional Municipality of Durham

ralph.walton@durham.ca

Michael De Rond, Clerk, Town of Aurora MdeRond@aurora.ca

Rebecca Murphy, Clerk, Town of Bradford West Gwillimbury rmurphy@townofbwg.com

Tara Lajevardi, Clerk, Town of East Gwillimbury tlajevardi@eastgwillimbury.ca

Rachel Dillabough, Clerk, Town of Georgina rdillabough@georgina.ca

Patty Thoma, Deputy Clerk, Town of Innisfil pthoma@innisfil.ca

Lisa Lyons, Clerk, Town of Newmarket llyons@newmarket.ca

Pamela Fettes, Clerk, Town of New Tecumseth pfettes@newtecumseth.ca

Gillian Angus-Traill, Clerk, Town of Whitchurch-Stouffville clerks@townofws.ca

Fernando Lamanna, Clerk/Deputy CAO, Township of Brock Fernando.lamanna@brock.ca

Donny Adamson, Clerk, Township of Oro-Medonte dadamson@oro-medonte.ca
Cathy Wainman, Clerk, Township of Ramara cwainman@ramara.ca
Becky Jamieson, Clerk, Township of Scugog bjamieson@scugog.ca
Debbie Leroux, Clerk, Township of Uxbridge dleroux@uxbridge.ca
Councillor Avia Eek aeek@king.ca
Councillor Debbie Schaefer dschaefer@king.ca

300	Services Department e Services Division
Date & Time Received:	October 19, 2021 9:23 am
Original To:	CIP
Copies To:	
Take Appropriate A	Action File
Notes/Comments:	



October 18, 2021

Sent via email

RE: Update on Memorandums of Understanding and Service Level Agreements with Municipalities

Toronto and Region Conservation Authority (TRCA) Board of Directors, at its meeting, held on September 24, 2021, adopted Resolution #A177/21 as follows:

IT IS RECOMMENDED THAT this progress report be received;

THAT staff report back to the Board of Directors on the progress of Memorandum of Understanding and Service Level Agreements once the Conservation Authorities Act regulations are released;

AND FURTHER THAT the Clerk and Manager, Policy, circulate this report to TRCA's municipal partners, Conservation Ontario, neighbouring conservation authorities, and the Province, including the Ministry of Environment, Conservation and Parks, Ministry of Northern Development, Mines, Natural Resources and Forestry, and Ministry of Municipal Affairs and Housina.

The report and referenced resolution are attached to this letter and can also be accessed at the TRCA Board of Directors webpage. If you have any questions or require additional information, please contact Nancy Gaffney, at 416-661-6600 ext. 5313, nancy.gaffney@trca.ca or Victoria Kramkowski, ext. 5707, victoria.kramkowski@trca.ca.

Sincerely,

Alisa Mahrova Digitally signed by Alisa Mahrova Date: 2021.10.18 10:40:01 -04'00'

Alisa Mahrova Clerk and Manager, Policy

John MacKenzie, Chief Executive Officer, TRCA CC:

> Nancy Gaffney, Government and Community Relations Specialist, Toronto/Durham Watersheds Victoria Kramkowski, Government and Community Relations Specialist, Peel/York Watersheds

DISTRIBUTION LIST

Hon. Steve Clark, Minister, Municipal Affairs and Housing

Hon. David Piccini, Minister, Environment, Conservation and Parks

Hon. Greg Rickford, Minister, Norther Development, Mines, Natural Resources and Forestry

Gillian Angus-Traill, Clerk, Town of Whitchurch-Stouffville

Susan Cassel, City Clerk, City of Pickering

Todd Coles, City Clerk, City of Vaughan

Nicole Cooper, Director, Legislative and Information Services /Town Clerk, Town of Ajax

Michael de Rond, Town Clerk, Town of Aurora

Mark Early, Chief Administrative Officer and Clerk, Town of Mono

John Elvidge, City Clerk, City of Toronto



[Date]	CFN:

[Name] [Position] [Department] [Municipality] [Address] [Email]

Dear [Name]:

Re: [Project Name]

This letter will serve as the letter agreement ("Letter Agreement") between Toronto and Region Conservation Authority ("TRCA") and the [City/Town/Region] ("Municipality") for certain work and services to be performed by TRCA in connection with Project Name ("Project") pursuant to the Service Level Agreement dated _____ between TRCA and the Municipality (the "Service Level Agreement").

The Service Level Agreement governs the relationship of the parties generally and this Letter Agreement will serve to document and confirm the specific requirements and the scope of work related to the Project. Unless otherwise defined, all capitalized terms used in this Letter Agreement shall have the same meaning as used in the Service Level Agreement.

BACKGROUND

[Add relevant background if appropriate].

OBJECTIVE

The Project will seek to [add description of objective(s) of Project].

DESCRIPTION OF SERVICES

TRCA will undertake the Project and carry out the services as set out in Schedule A.

ADDITIONAL TERMS AND CONDITIONS

Additional terms and conditions for the services are set out in Schedule A.

PROJECT SCHEDULE AND BUDGET

The Project Schedule and Budget are set out in Schedule A.

PAYMENT AND COSTS

Payments to TRCA shall be allocated and made in accordance with the Payment Schedule and Billing Terms set out in Schedule B.

ACCEPTANCE

This Letter Agreement is valid and open for acceptance for a period of thirty (30) calendar days following the receipt of submission. After thirty (30) days, TRCA reserves the right to re-evaluate the proposed timeline and Budget.

Should you require more information, please contact [*Project Manager*] at [*Phone Number*] or [*Email Address*].

If the above terms are acceptable to the Municipality, please so indicate by signing this Letter Agreement in the space provided below and returning a signed copy to [*Project Manager*] at [*Email Address*].

Yours truly,

	TORONTO AND REGION CONSERVATION AUTHORITY
	By: Name: Title:
Accepted and agreed to this day of _	, 20 MUNICIPALITY
	By: Name: Title:
	By: Name: Title:

Schedule A Description Of Services, Additional Terms And Conditions, Project Schedule And Budget

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- 2.0 ADDITIONAL TERMS AND CONDITIONS
- 3.0 PROJECT SCHEDULE
- 4.0 BUDGET

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Schedule B Fees and Terms of Payment

1. Fees

The Municipality shall pay TRCA the Fees provided for in the Agreement, calculated and payable in the manner set out in Schedule A. No fees or costs, expenses or disbursements for any additional work beyond the provision of the services will be considered unless pre-approved in writing by the Municipality.

2. Payments

TRCA shall submit [insert payment schedule e.g quarterly invoices or monthly invoices] to the Municipality based upon work completed to the end of [the quarter or month] in accordance with TRCA's pay periods, timelines, payment and other schedules and benchmarks set out in Schedule A. Each such invoice shall contain such details as the Municipality shall require and, without limiting the generality of the foregoing, shall set out the services completed, and Fees incurred to the end of the applicable quarter including harmonized sales tax (HST), along with the timelines, payment and other schedules and benchmarks to which such work relates as noted in Schedule A.

Payment to TRCA is due on delivery. All accounts outstanding after 45 days will be charged interest calculated at 1.5% per month.

The Municipality shall advise TRCA should it have any objection to any invoice, and the parties shall work co-operatively to resolve the matter, and failing resolution, the matter shall be resolved in accordance with the dispute resolution provisions of the Service Level Agreement.

TRCA shall be solely responsible for the payment of all personnel (including without limitation subcontractors and suppliers and their respective personnel) engaged in the used for performance of any of the services.

Municipality	Initial Meeting or	Draft MOU	Draft Corporate	Detailed Discussions	Advanced MOU
	Discussions	and SLA	Report	Undertaken	Development
	Held	Shared	Shared		or Execution
Adjala-Tosorontio	Χ	Χ			
Mono	Х	Х			
City of Toronto					
Parks Forestry and					
Recreation, and	X	X	Х	X	X
Transportation					
Toronto Water	X	Х	Χ	Х	Χ
Waste	X				
Management					
Create TO	X	X		X	X
Toronto Botanical	X	X	Х	X	X
Gardens					
Durham Region					
Region of Durham	Х	Х	Х	Х	
Ajax	Х	Χ	Х	Х	
Pickering	Х	Х	Х	Х	
Uxbridge	Х	Х	Х	Х	
Peel Region					
Region of Peel	Х	Х		Х	Х*
Brampton	Х	Х	Χ	Х	Х
Caledon	Х	Х	Χ		
Mississauga	Х	Х	Х	Χ	
York Region					
Region of York	Х	Х			
King	Х	Χ	Χ	Χ	Х
Markham	Х	Х	Χ	Х	Х
Richmond Hill	Χ	Χ	Χ	Х	
Vaughan	Х	X	X X	Х	
Whitchurch-	Х	X	Χ	Х	Х
Stouffville	A.				,

^{*}Region of Peel received Regional Council Approval to execute an SLA for Regional Infrastructure EA Review and Permits on September 9, 2021.

Peter Fay, City Clerk, City of Brampton

Kim Gavine, General Manager, Conservation Ontario

Dianne Gould-Brown, Clerk, Township of Adjala-Tosorontio

Laura Hall, Town Clerk, Town of Caledon

Stephen M.A. Huycke, City Clerk, City of Richmond Hill

Kimberley Kitteringham, City Clerk, City of Markham

Debbie Leroux, Clerk, Township of Uxbridge

Kathryn Lockyer, Regional Clerk and Director of Clerks and Legal Services, Regional Municipality of Peel

Kathryn Moyle, Township Clerk, Township of King

Christopher Raynor, Regional Clerk, Regional Municipality of York

Diana Rusnov, City Clerk, City of Mississauga

Ralph Walton, Regional Clerk / Director, Legislative Services, Regional Municipality of Durham

Ontario Conservation Authorities

Section III - Items for the Information of the Board

RES.#A177/21 - UPDATE ON MEMORANDUMS OF UNDERSTANDING AND SERVICE LEVEL AGREEMENTS WITH MUNICIPALITIES

To provide an update to the Board of Directors on work underway to update and achieve Memorandums of Understanding (MOUs) and Service Level Agreements (SLAs) with partner municipalities in the context of the updated *Conservation Authorities Act* (CA Act) and relevant regulations.

and reference regulation

Moved by: Paul Ainslie Seconded by: Shelley Carroll

IT IS RECOMMENDED THAT this progress report be received;

THAT staff report back to the Board of Directors on the progress of Memorandum of Understanding and Service Level Agreements once the *Conservation Authorities Act* regulations are released;

AND FURTHER THAT the Clerk and Manager, Policy, circulate this report to TRCA's municipal partners, Conservation Ontario, neighbouring conservation authorities, and the Province, including the Ministry of Environment, Conservation and Parks, Ministry of Northern Development, Mines, Natural Resources and Forestry, and Ministry of Municipal Affairs and Housing.

CARRIED

BACKGROUND

Since 2015, the Conservation Authorities Act (CA Act) has been amended several times in order to introduce measures that provide further clarity and transparency surrounding the various types of services that conservation authorities provide to, and on behalf of, municipalities. These amendments were undertaken through the Building Better Communities and Conserving Watersheds Act, 2017 (Bill 139) in 2017, the More Homes, More Choice Act (Bill 108) in 2019, and the Protect, Support and Recover from COVID-19 Act (Budget Measures), 2020 (Bill 229) in 2020. As a result of these amendments to the CA Act, conservation authorities will need to execute Memorandums of Understanding (MOUs) and Service Level Agreements (SLAs) with partner municipalities to deliver services deemed to be municipal (non-mandatory). Background on the resulting CA Act amendments and implications for the provision of municipal (non-mandatory) services to partner municipalities, as well as a full description of related Board resolutions directing TRCA staff to undertake discussions with municipal partners to develop and execute MOUs and SLAs, can be found in Item 12.7 (Update on Municipal Memorandums of Understanding and Service Level Agreements) from Board of Directors meeting held on February 26, 2021. The most recent update on MOU and SLA discussions with municipalities can be found in Item 8.1 from Board of Directors Meeting held on June 24, 2021.

TRCA staff also continues to participate in the Province's Conservation Authorities Working Group, announced December 16, 2020. TRCA has representation on the Working Group, with additional representation from other conservation authorities (CAs), Conservation Ontario, the Association of Municipalities of Ontario, and municipal, development and agriculture sectors.

Furthermore, the Ministry of Environment, Conservation and Parks posted a document, entitled a "Regulatory Proposal Consultation Guide: Regulations Defining Core Mandate and Improving

Governance, Oversight and Accountability of Conservation Authorities" ("the Guide") on the <u>Environmental Registry of Ontario</u> on May 13, 2021. While the Guide does not include draft regulations, it does lay out proposed associated details, including which CA programs and services may be considered mandatory, requirements for municipal MOUs and SLAs, timelines, and the requirements for a Transition Plan and community advisory boards.

In response, TRCA staff drafted and shared a submission on the ERO posting, with input from the Board of Directors. Further information on TRCA's submission, additional details in the Guide, and potential implications, can be found in June 25, 2021 Board of Directors meeting minutes (RES.#A142/21, TRCA Draft Comments to Environmental Registry of Ontario Posting (ERO #019-2986) – Regulatory Proposals (Phase 1) Under the Conservation Authorities Act). TRCA also posted a news release on our website on May 18, 2021 in response to the ERO posting.

RATIONALE

Staff have been undertaking discussions with partner municipalities since June 2019, with discussions increasing in frequency and productivity over the last year. The productivity of MOU/SLA discussions has been supported by the resources developed by staff and described in the Board reports noted above. TRCA staff are also undertaking regular review and updating of the resources developed to ensure that the information provided remains current.

In addition, new resources have been developed. This includes a draft Letter Agreement template (*Attachment 1*). The Letter Agreement template lays out the expected structure and content of a Letter Agreement, which would be appended to the SLA for each specific service, program or project that TRCA undertakes on behalf on a municipality.

TRCA continues to participate in the Province's Conservation Authorities Working Group. Based on TRCA's direct experience with developing MOUs with partner municipalities, staff have provided input related to the principles on which MOUs and SLAs could be based and the mandatory programs and services that conservation authorities would be required to provide. TRCA is encouraged that the direction laid out in the Consultation Guide, including for both the MOU transition plan and the development and execution of MOUs and SLAs themselves, aligns with the approach that TRCA has been taking in both discussions with partner municipalities and in the development of MOU-related resources. In many cases, TRCA is already meeting or exceeding many of the potential requirements of CAs, including having multi-stakeholder advisory committees to TRCA's Board (such as the Regional Watershed Alliance), already delivering mandatory CA services, and undertaking MOUs, SLAs and/or other agreements for the delivery of other individual services, programs and/or projects for municipalities.

Since the last update to the Board of Directors on the MOU-SLA process (June 24, 2021 meeting), discussions with many partner municipalities have continued to progress (*Attachment 2*). This progress includes the following:

Discussions on MOUs and SLAs have progressed to a more detailed stage with many
municipalities. This includes interest from, and discussions with, municipalities that were
previously waiting on a release of the regulations associated with the CA Act
amendments. Detailed discussions include developing a municipality-specific process for
developing and executing MOUs and SLAs, municipal staff review and discussion of
TRCA's list of services, considering which services they currently utilize or might utilize,
and municipal staff utilizing the template MOU and SLA drafted by TRCA in the
development of MOUs and SLAs for execution. This may also include municipal staff

- review of the template or adapted MOU and SLA with their legal counsel and/or conferring with their procurement/purchasing staff to understand any limitations and whether amendments may be required to current municipal procurement mechanisms.
- The execution of MOUs and/or MOUs moving to an advanced stage of development or approval. This includes where an MOU and the associated list of services has been drafted and is under review.
- Where relevant, staff have undertaken some joint meetings with municipal staff and neighbouring conservation authorities in order to better coordinate the development of MOUs and SLAs to ensure consistent services across a municipal jurisdiction.

Many municipalities continue to wait until finalized regulations are released prior to bringing MOUs and SLAs to Council for approval and execution, even in cases where there is strong support for this process. Where the municipality has indicated that they would like to wait for the finalized CA Act regulations to be released prior to execution of the agreements, TRCA staff continue to work with partner municipalities to move the MOUs and SLAs forward to an advanced stage so that can easily be brought forward for endorsement. TRCA staff are working towards the proposed Provincial deadline of December 31, 2022 for having MOUs and SLAs in place with partner municipalities. However, recognizing that municipal elections will occur in October 2022, staff are targeting Q1/Q2 2022 as the preferred timeline for executing MOUs and SLAs.

TRCA staff have also begun work on an MOU transition plan, in accordance with the proposed requirements set out by the Province in the Regulatory Proposal Consultation Guide. Staff expect to meet the December 31, 2021 deadline set out by the Province and will bring the MOU Transition Plan to a future Board meeting for review and approval.

Relationship to Building the Living City, the TRCA 2013-2022 Strategic Plan
This report supports the following strategy set forth in the TRCA 2013-2022 Strategic Plan:
Strategy 7 – Build partnerships and new business models

FINANCIAL DETAILS

There is no immediate financial impact due to carrying out the recommendations above. The process of undertaking agreements with municipalities related to non-mandatory municipal programs and services provided by TRCA under the amended *Conservation Authorities Act*, as well as with other external organizations, is expected to have positive financial impacts for TRCA based on the interest from most municipalities in providing funding and or jointly seeking funding for a selection of TRCA service areas that support areas of need for the municipalities in question and shared municipal and TRCA interests.

DETAILS OF WORK TO BE DONE

- Continue to communicate implications of the Consultation Guide to TRCA Board of Directors, municipal partners and relevant stakeholders, as well as information related to the enabling regulations, once released;
- Continue to meet with municipal partners in order to continue development and execution of MOUs based on municipal preferences and needs;
- Continue working with municipalities, where required, to address any potential procurement policy approvals or required by-law amendments to support updated MOUs and SLAs;
- Continue working with neighbouring Conservation Authorities in order to coordinate MOU development;

- Develop the Provincially required MOU transition plan, and bring to TRCA Board of Directors in Q4 2021 for approval; and
- Update existing, and finalize new MOUs and SLAs, as appropriate.

Report prepared by: Nancy Gaffney, extension 5313, Victoria Kramkowski, extension 5707

Emails: nancy.gaffney@trca.ca, victoria.kramkowski@trca.ca,

For Information contact: Nancy Gaffney, extension 5313, Victoria Kramkowski, extension

5707

Emails: nancy.gaffney@trca.ca, victoria.kramkowski@trca.ca

Attachments: 2

Attachment 1: Template Letter Agreements

Attachment 2: Municipal MOU/SLA Status Progress Table

1525 Cornwall Rd Unit 22 Oakville, ON L6J 0B2 +1 289 291 6472

October 19, 2021

Hon. Stan Cho Associate Minister Ministry of Transportation stan.cho@ontario.ca

Re: Modified Exhausts and Noisemakers

Dear Minister Cho,

I am writing to you on behalf of the Good Roads Board of Directors who recently discussed the issue of modified exhausts and noisemakers. Municipal leaders across the province are hearing from their residents that they are being disturbed by individuals who modify their motor vehicles to outfit them with louder exhausts.

Your government is aware of the issue and has taken preliminary action to tackle it. In 2018, the *Better for People, Smarter for Business Act* was passed. In it, was an amendment to the *Highway Traffic Act*. Section 75.1 made it an offence to both tamper with the emissions system of motor vehicles and sell tampering devices. Unfortunately, the section has not yet been proclaimed and the noise and safety concerns remain an issue. The Good Roads Board of Directors passed a resolution asking that Section 75.1 be proclaimed as soon as possible.

There are additional measures which can be taken to address this issue. Some municipalities have specifically requested the prohibition of the sale of exhaust systems with the capability of exceeding 80 decibels. There may be merit in adopting such an approach. Studies have shown that long or repeated exposure to sound at or above 85 decibels can cause hearing loss. The Good Roads Board of Directors passed a resolution asking that the viability of such a prohibition in the Province of Ontario be investigated.

If you would like to set up a time to discuss this further, please don't hesitate to contact me.

Sincerely,

Dave Burton President, Good Roads

ILPE

cc: Town of Ajax

City of Barrie

Durham Region

Halton Region

Town of Milton

City of Mississauga

Town of Oakville

City of Oshawa

City of Ottawa

Peel Region

City of Pickering

City of Toronto





1525 Cornwall Rd Unit 22 Oakville, ON L6J 0B2 +1 289 291 6472

	orate Services Department slative Services Division						
Date &	October 20, 2021						
Received:	1:20 pm						
Original To:	CIP						
Copies To:							
Take Appropriate Ac	tion File						
Notes/Comments:							

Call for Nominations to the 2022-2023 Good Roads Board of Directors

To: Head and Members of Council

Chief and Council

From: Scott Butler, Executive Director

Date: October 14, 2021

Pursuant to Good Roads Policy B-008, the Nominating Committee of the 2021-2022 Good Roads Board of Directors will present a slate of 11 directors to attendees at the Annual Good Roads Conference taking place February 27 – March 02, 2022, at the Fairmont Royal York in Toronto, Ontario.

The Good Roads Board of Directors understands the strength that diversity provides and is committed to achieving equity and inclusion on its leadership team. Women and individuals from equity seeking groups are encouraged to apply.

The following directors will automatically serve on the 2022-2023 Board of Directors:

- President: Paul Schoppmann Mayor, Municipality of St.-Charles;
- **First Vice-President:** John Parsons Division Manager, Roads Operations, City of London;
- Second Vice-President: Bryan Lewis Councillor, Town of Halton Hills; and
- Immediate Past President: Dave Burton Mayor, Municipality of Highlands East.

The Nominating Committee will put forward a slate comprised from Good Roads' municipal and First Nations membership. The slate will satisfy the geographic requirements prescribed in Section 12 of the Constitution as well as the criteria in Policy B-008.

The Constitution can be viewed in its entirety on the Good Roads website.

The following vacancies need to be filled:

.../2

City of Toronto 1 Vacancy

The City of Toronto Zone consists of the City of Toronto.

Northern Zone 2 Vacancies

The Northern Zone consists of the municipalities within and First Nations adjacent to the Districts of Algoma, Cochrane, Kenora, Manitoulin, Nipissing, Parry Sound, Rainy River, Sudbury, Thunder Bay and Timiskaming; municipalities in and including the District of Muskoka and the City of Greater Sudbury.

South Central Zone 0 Vacancies

The South Central Zone consists of the municipalities within and First Nations adjacent to the Counties of Dufferin, Grey, Simcoe, and Wellington, and municipalities in and including the Regional Municipalities of Durham, Halton, Niagara, Peel and York, and the City of Hamilton.

Southeast Zone 2 Vacancies

The Southeast Zone consists of the municipalities within and First Nations adjacent to the Counties of Frontenac, Haliburton, Hastings, Lanark, Leeds and Grenville, Lennox and Addington, Northumberland, Peterborough, Prescott and Russell, Prince Edward, Renfrew, and Stormont, Dundas and Glengarry, and the Cities of Kawartha Lakes and Ottawa.

Southwest Zone 1 Vacancies

The Southwest Zone consists of the municipalities within and First Nations adjacent to the Counties of Brant, Bruce, Elgin, Essex, Haldimand, Huron, Lambton, Middlesex, Norfolk, Oxford, and Perth, the municipality of Chatham-Kent, and municipalities in and including the Regional Municipality of Waterloo.

Those elected shall serve for a two-year term ending on Wednesday, February 28, 2024.

Any member of Council or a permanent full-time staff from a Good Roads member municipality or First Nation who is interested in being considered as a candidate for a position on the Board of Directors must complete the attached Nomination Consent form found below and submit it along with a résumé to the attention of Rick Harms, Chair of the Nominating Committee no later than 1700 h Eastern Time on November 19, 2021. Nominations can be emailed to info@ogra.org or mailed to Good Roads, 1525 Cornwall Road, Unit 22, Oakville, Ontario L6J 0B2.

The Nominating Committee will meet on November 24, 2021, to recommend a slate of directors to the membership. The Nominating Committee is comprised of the following directors:

Chair: Rick Harms. Immediate Past President

Vice Chair: Rick Kester, Past President

Members: John Parsons, OGRA Second Vice-President

Paul Ainslie, OGRA Director Cheryl Fort, OGRA Director

Questions regarding the nomination process or serving on the Board of Directors can be directed to Scott Butler at scott@ogra.org or 416-564-4319.

Sincerely

Scott Butler Executive Director

c: Rick Harms, Chair, Nominating Committee

Nomination/Consent Form for the 2022-2023 Good Roads Board of Directors

Nominee Name:	
Title:	
Municipality:	
Nominated by:	
Title:	
Municipality:	
Seconded by:	
Title:	
Municipality:	
Nominee Signature	Date
This form must be receive the Nominating Committe	d e-mail (info@ogra.org) to the attention of Rick Harms, Chair of e, by 1700 h Eastern Time on Friday, November 19, 2021.

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

The Regional Municipality of Durham

MINUTES

ACCESSIBILITY ADVISORY COMMITTEE

Tuesday, September 28, 2021

A meeting of the Accessibility Advisory Committee was held on Tuesday, September 28, 2021 at Regional Headquarters, Council Chambers, 605 Rossland Road East, Whitby at 1:00 PM. In accordance with Provincial legislation, electronic participation was permitted at this meeting.

1. Roll Call

Present:

- C. Boose, Chair
- D. Campbell, Whitby, Vice-Chair
- A. Beach, Oshawa
- H. Hall, Participation House
- D. Hume-McKenna, DMHS
- Councillor R. Mulcahy
- R. Purnwasie, Ajax
- M. Roche, Oshawa
- L. Schisler, Whitby
- S. Sones, Whitby

*all members of the committee participated electronically

Staff

Present:

- S. Austin, Director of Corporate Policy and Strategic Initiatives
- R. Inacio, Systems Support Specialist, Corporate Services IT
- A. Robins, Director, Housing Services, Social Services
- N. Prasad, Committee Clerk, Corporate Services Legislative Services

2. Declarations of Interest

There were no declarations of interest.

3. Adoption of Minutes

Moved by R. Purnwasie, Seconded by D. Campbell,

That the minutes of the Accessibility Advisory Committee meeting held on June 22, 2021, be adopted.

CARRIED

4. Presentations

A) Alan Robins, Director, Housing Services, re: Micro-Homes Project

Alan Robins, Director, Housing Services, provided a PowerPoint Presentation with regards to the Oshawa Micro-Housing Pilot.

Highlights of the Presentation included:

- Oshawa Micro-Housing Pilot
- Alignment with Durham Housing Plan
- Additional Homelessness Resources
- Transitional Housing
- Intake Process
- Immediate Area Context
- Site Selection
- Preliminary Site Layout
- Preliminary Unit Concept
- Site/Unit Layout

A. Robins stated that in in July 2020, Regional Council approved the expedited development of affordable and supportive housing to support those most vulnerable in the community. This includes the development of an innovative project to provide 10 micro-homes in the City of Oshawa. He advised that the Oshawa micro-home pilot project is in alignment with the Durham Housing Plan.

A. Robins advised that transitional housing refers to a supportive but temporary type of accommodation that is meant to bridge the gap from homelessness to permanent housing by offering structure, support, life skills and in some cases, education and training. He advised that the microhomes project is intended to be time limited transitional housing and residents will have to enter into a participation agreement which means the time of occupancy will be tied to participation in the program. He provided an overview of the selected neighborhood for the micro-homes project. He advised that the 10 micro-homes will be built in clusters of five and provided an overview of the site/unit layout.

A. Robins responded to questions with regards to the intended audience for the micro-homes; how the micro-homes will support the multitude of disability types; the various support services provided and whether it includes access to employment; how someone considered homeless would get connected to access one of the micro-homes.

B) Ryan McCaul, Founder of Inclusive Instruments, re: Overview of Inclusive Instruments

Ryan McCaul, Founder of Inclusive Instruments, provided a presentation with regards to the Inclusive Instruments organization.

Highlights of the presentation included:

- Inclusive Instruments
- Who are we?
- Our Story
- What I'll be Sharing Today
- #1. Trent's Adaptive Guitar
- The Guitar in Action!
- Other Versions of the Guitar that we have made
- Inclusive Music Sessions
- 'Happy Birthday' by Trent
- #2 Regena's Adaptive Clarinet
- The Clarinet in Action!
- Inclusive Music Sessions
- 'How Great Thou Art' by Regena, Anthony and Ryan
- #3 Justin's Adaptive Drums and Mic
- Justin playing his drums live!
- 'Only Human' by Justin, Ryan, Orko and Huimei
- We're looking for Participants!
- We're looking for Partnerships!
- How do I get involved?
- R. McCaul stated that Inclusive Instruments is an organization that creates adaptive musical instruments and offers inclusive music making sessions for anyone living with a disability. They are located in Durham Region and their mission is to build an inclusive community through music.
- R. McCaul shared the stories of three people they made instruments for. The first instrument made was an Adaptive Guitar that works by pressing a button to change the chords, and then strumming to play. The second instrument made was an Adaptive Clarinet that has a breath sensor built into it to sense when one is breathing and not breathing into it to. The third instrument made was a set of Adaptive Drums that has drum pads that slide under your elbow and wrists.
- R. McCaul advised that they are offering inclusive music sessions this Fall. He stated that they offer, sell and lease custom instruments and have many ways for people to engage at different price points.
- R. McCaul responded to questions with regards to how someone would connect to the organization as well as their cost structure.

The Committee recessed at 2:10 PM and reconvened at 2:15 PM.

Following the recess, the Committee Clerk conducted a roll call and all members of the Committee were present.

C) Councillor Mulcahy re: Autonomous Vehicle Pilot

Councillor Mulcahy advised that the Autonomous Vehicle Electric Shuttle Project is the first of its kind in North America. It is a self-driving electric shuttle that integrates smart infrastructure along the route to help create safer roads for pedestrians, transit customers and other drivers. She advised that the six-kilometre shuttle route starts at the Whitby GO Station and makes a loop through the Port Whitby area in south Whitby. It travels at 20 km per hour and has a safety attendant on board that can manually override the vehicle.

Councillor Mulcahy also advised that it will be integrated into the existing Durham Region Transit schedule as Route 300 and will operate on weekdays from 8:30 AM and 3:30 PM in off-peak times and on weekends between 7 AM and 7 PM. She further advised that she has reached out to SmartCone Technologies to arrange a ride for committee members.

5. Discussion Items

There were no items of discussion.

6. Correspondence

There were no items of correspondence to consider.

7. Information Items

A) Education Sub-Committee Update

S. Austin requested that the committee provide suggestions on the topics related to accessibility which can be included in the Region's social media channels to highlight some things going on in the community. She stated that some examples would be "did you know" pieces; service animal education; and inclusive customer service.

Discussion ensued with regards to the possibility of promoting the committee meetings to highlight the different presentations and information provided at the meetings, as well as the use of social media to share information, website links etc.

B) <u>Update on the Transit Advisory Committee (TAC)</u>

M. Roche advised that Andrea Labriola, Eligibility Coordinator for Specialized Services, provided an overview at the TAC meeting held on September 21, 2021, with regards to how people are selected or given access to specialized transit and what the procedure is. He also advised that his question regarding Specialized Services and clients who had to reapply to qualify to maintain their services, was not addressed.

H. Hall also advised that discussions were had with regards to service agreements for day service programs and the appeal process. She stated that she did not ask about the restructuring that was done in 2015 and how that affected some of DRT's services as well as how many people no longer have the eligibility to use the service due to the restructuring. S. Austin agreed to follow up with Durham Region Transit staff with regards to these questions.

Discussion ensued with regards to the number of people that are no longer able to use the specialized service, whether they have gone through the appeal process, and whether the appeal process poses an unnecessary systemic barrier. S. Austin advised that it may be beneficial to have a representative from Specialized Services attend a committee meeting to answer some of the committee's questions.

C) Accessibility Coordinator Update

S. Austin provided the following update:

- Accessible Electric Vehicle Charging Stations have been installed at the west entrance of the accessible parking area at Regional Headquarters. She also advised that the electric vehicle charging station policy has been updated to include specific language on the use of this space.
- The Joint Accessibility Advisory Forum is scheduled for November 23, 2021 from 5 to 6:30 PM and will be held virtually. The Honourable David C. Onley has been scheduled to speak at the Forum. A representative from the Robert McLaughlin Art Gallery will also provide a presentation with regards to a current exhibit that highlights accessibility.
- Members were reminded that the survey for the 2022-2025 Multi-Year Accessibility Plan is open for input and feedback until October 3, 2021.
- The return to the office for Regional staff has been pushed back from October 2021 to January 2022.

8. Reports for Information

There were no reports to consider.

9. Other Business

A) <u>Accommodations and Exemptions with regards to Access to Public Spaces</u>

With regards to vaccinations, C. Bose inquired about how people with disabilities are being accommodated in Durham Region regarding their medical exemptions or other exemptions as it relates to access into public spaces. S. Austin agreed to provide more information on this at the next committee meeting.

10. Date of Next Meeting

The next regularly scheduled meeting of the Accessibility Advisory Committee will be held on Tuesday, November 23, 2021 at 1 PM.

11. Adjournment

Moved by D. Campbell, Seconded by H. Hall, That the meeting be adjourned. CARRIED

The meeting adjourned at 2:48 PM

C. Boose, Chair Accessibility Advisory Committee

N. Prasad, Assistant Secretary to Council