

# The Regional Municipality of Durham COUNCIL INFORMATION PACKAGE June 24, 2022

### **Information Reports**

2022-INFO-55 Chief Administrative Officer – re: Assessing the Feasibility of Potential

Future District Energy System

2022-INFO-56 Commissioner of Finance – re: Annual Development Charges Reserve

Fund Statement

### **Early Release Reports**

There are no Early Release Reports

### **Staff Correspondence**

- 1. Memorandum from J. Demanuele, Acting Commissioner, Works re: Durham York Energy Centre Quarterly (Q1 2022) Long-Term Sampling System Report
- 1. Memorandum from Dr. R. J. Kyle, Commissioner and Medical Officer of Health re: Health Information Update June 19, 2022

### **Durham Municipalities Correspondence**

1. Municipality of Clarington – re: Resolution passed at their Council meeting held on June 20, 2022, regarding Free Public Transportation on Election Days

### Other Municipalities Correspondence/Resolutions

There are no Other Municipalities Correspondence/Resolutions

### **Miscellaneous Correspondence**

1. Lake Simcoe Region Conservation Authority – re: Short Agenda - June 24, 2022

### **Advisory / Other Committee Minutes**

2. Durham Region Anti-Racism Taskforce (DRART) minutes – May 26, 2022

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: Chief Administrative Officer

Report: #2022-INFO-55 Date: June 24, 2022

### Subject:

Assessing the Feasibility of a Potential Future District Energy System

### **Recommendation:**

Receive for information

### Report:

### 1. Purpose

- 1.1 This report introduces district energy (DE) systems and provides an update on the work underway to assess the feasibility of integrating a low carbon DE system into new development.
- 1.2 The opportunity could be applied in a number of areas, with south Courtice being examined as one potential opportunity due to (1) the existence of Regional facilities that could serve as future energy sources, and (2) plans for higher density transit-oriented development surrounding the proposed Courtice GO Station area. The report also identifies next steps to develop a business case and value proposition.

### 2. Background

- 2.1 The building sector in Durham Region accounts for 30 per cent of greenhouse gas (GHG) emissions community-wide, largely generated from energy consumption for heating and cooling. With projected urban growth in Durham Region there will be increasing pressure to decarbonize the heating and cooling of buildings – especially in new development.
- 2.2 The Council-endorsed Durham Community Energy Plan (DCEP) prioritizes the implementation of low carbon energy solutions in Durham, including DE systems which are projected to account for 16 per cent of total GHG emissions reductions within the Region's low carbon pathway.

### 3. Previous Reports and Decisions

- 3.1 Through the development of the Durham York Energy Centre (DYEC), Durham Region and the Municipality of Clarington signed a Host Community Agreement in 2010. Item 13.1.5 of that agreement states that Clarington and Durham will "strongly encourage and promote development within the Clarington Energy Business Park and other areas of Clarington to utilize district heating and cooling provided by the EFW Facility."
- 3.2 Through Envision Durham, the Municipal Comprehensive Review of the Regional Official Plan, staff developed a set of <u>Proposed Policy Directions</u> under the theme of "Supportive Infrastructure" which support the implementation of DE systems, including:
  - a. Encourage the development of DE systems, especially those based on leveraging Regional infrastructure (e.g. sewer heat recovery) low carbon and renewable energy and provide direction to the area municipalities to promote and facilitate DE through their official plans and zoning by-laws.
  - b. Encourage new development and municipally owned facilities to connect to existing and planned DE networks, whenever feasible.
  - c. Complete a DE Feasibility Study, in consultation with the area municipalities that identifies locations with potential for DE systems.
- 3.3 Through the Land Need Assessment component of Envision Durham's Growth Management Study, Regional Council adopted a set of recommendations on May 25, 2022 which include the following:
  - "That future Regional Official Plan policies for the required settlement area boundary expansion area address sustainability practices to reduce greenhouse gas emissions, energy and water consumption, and waste generation through measures including...the use of low-carbon and smart energy systems and technologies at the district scale or building-scale in these new areas"
- 3.4 Report #2022-INFO-16 provided Regional Council with information on a proposed district energy system within Brookfield's Dockside Development in the Port of Whitby area. The district energy system proposed for Dockside would be privately owned and operated, and use heat exchange from the Region's sanitary trunk sewer system to meet most of the space heating and cooling needs for the ~2 million sq ft. of development planned for the site. If implemented, the district energy system would reduce GHG emissions from the site by 70% compared to a system based on natural gas boilers and chillers.

### 4. District Energy Systems

DE systems are centralized systems where thermal energy (i.e., heating and cooling) is distributed via underground pipes to multiple buildings in a neighbourhood, downtown district, or campus (See Figure 1 below).

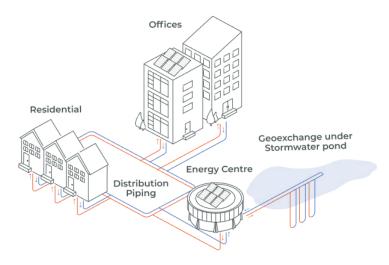


Figure 1: Example of a DE System<sup>1</sup>

- 4.1 Buildings connected to the thermal grid do not need their own boilers or furnaces, chillers, or air conditioners. Examples of buildings commonly connected to a thermal grid can include commercial buildings, residences, condominiums, hotels, sports facilities, educational institutions, and government buildings. The improved efficiencies and potential for low-carbon fuel sources in DE systems make them a key part of climate change and renewable energy strategies in urban areas.
- 4.2 DE systems are well developed in many European cities, largely as a legacy of the 1970's energy crises. For example, in Nordic countries such as Denmark, Sweden and Finland, DE accounts for 50-60 percent of the total heating market nationally, much of which is supplied with heat from municipal energy-from-waste facilities.
- 4.3 DE systems are less prevalent in North America due to several factors, including the relatively lower cost of energy relative to European markets. However, interest in community-scale DE systems in North America is growing due to its benefits from an energy security and environmental sustainability perspective, and several Canadian cities are emerging as leaders in this space. Select examples include:
  - a. **Toronto's Deep Lake Water Cooling system** draws cold water from Lake Ontario to provide air conditioning to buildings in the downtown core. The System has been operating since 2004, and is currently undergoing an expansion to meet continued growth in demand.
  - b. **Vancouver's False Creek Neighbourhood Energy Utility (NEU)** began operations in 2010 providing heat to the Olympic Village and surrounding areas. It has rapidly expanded and now serves more than 6.4 million ft<sup>2</sup> of residential, commercial and institutional floor space.
  - c. **Edmonton's Blatchford Energy Utility** aims to be a carbon neutral community developed on the site of the City's decommissioned City Centre Airport. Blatchford features a DE system launched in 2019 which utilizes geo-

<sup>&</sup>lt;sup>1</sup> Image Source: City of Edmonton, Blatchford Energy Utility <a href="https://blatchfordutility.ca/district-energy-sharing/">https://blatchfordutility.ca/district-energy-sharing/</a>

thermal energy supply. Future expansions to the system will use sewer heat recovery and other zero carbon sources of energy.

- 4.4 Durham Region is home to several smaller scale DE systems, including Durham College's <a href="Energy Innovation Centre">Energy Innovation Centre</a> which uses geothermal energy to provide heating and cooling to buildings at the Oshawa campus. There are currently no examples of community scale DE systems operating in Durham Region, however as indicated in section 3.4 of this report there is interest amongst private sector developers in advancing such systems to meet growing investor and market demand for sustainability.
- 4.5 DE systems can be based on a central energy centre or use a combination heat sources as part of a distributed network. Heating or cooling can be captured and added to the network from any process that produces waste heat including power generation, industrial processes, solar thermal panels, biomass generation and geothermal processes.
- 4.6 DE systems are typically run as a thermal utility by a company that operates the heating and cooling network, ensures quality service, and manages metering and billing. Ownership models for DE systems range from wholly municipally owned, to public private partnerships, to wholly privately owned.

### Benefits of district energy?

- 4.7 **Economies of scale** A DE network allows for reduced overall energy consumption and GHG emissions, since generating heat in few larger plants and capturing and using waste heat is more efficient than having boilers, furnaces and air conditioners heating and cooling individual buildings.
- 4.8 **Price Stability** DE systems can source heat from a mix of conventional, clean, and renewable waste sources. Sourcing energy locally and from a variety of sources reduces price volatility and increases reliability.
- 4.9 **Revenue Generation** DE can generate a significant amount of revenue through heating/cooling sales, power sales, connection charges, ancillary services, and capacity payments. As an investment, DE can provide stable investment returns to the community for many decades. Since most heat sources are local, more energy dollars remain within the local economy.
- 4.10 **Enhanced Comfort** A DE system allows building operators to manage and control their own indoor environments. DE is available whenever a building needs heat. In addition, DE reduces vibrations and noise problems that may disturb building occupants.
- 4.11 Flexible Building Design The elimination of the conventional or traditional HVAC system requirement expands the number of possible building design options. A building free of boilers and chillers provides architects with greater building design flexibility.

### 5. Summary of Pre-Feasibility Study (Attachment #1)

- 5.1 The pre-feasibility study found that conditions in South Courtice are favourable for the implementation of DE. Sources of low carbon heat are located in the Clarington Energy Business Park which is in close proximity to transit-oriented mixed-use development planned for the Courtice Major Transit Station Area.
- 5.2 Regional facilities in south Courtice provide a good test case, since they generate heat which may be captured and used in a potential future low carbon DE system. These potential sources of heat include:
  - a. Steam extraction from the DYEC
  - Combustion of excess digester gas from the Courtice Water Pollution Control Plant
  - c. Wastewater Heat Recovery at the Courtice Water Pollution Control Plant (WPCP)
- 5.3 The establishment of DE has the potential to significantly reduce GHG emissions, dependence on fossil fuels, and community energy expenses, while increasing community energy stability and resilience, and creating a new revenue stream for participating municipalities.
- 5.4 As candidate DE areas are identified, underground utility infrastructure would need to be designed, costed, and installed. When DE projects are considered in undeveloped areas, the concurrent planning of DE system infrastructure with other utility infrastructure allows for more efficient capital planning, design, and implementation processes.

### 6. Next steps: Business Case Development

- 6.1 The pre-feasibility study outlined above is relatively high-level in nature, exploring the maximum potential for DE in one area of the Region (specifically southeast and southwest Courtice and the Courtice MTSA). While the pre-feasibility study demonstrated very promising high-level conditions for DE, further analysis is needed to determine viability of integrating it as part of the development of Regional sites in the Energy Park and how it could serve future higher density transit oriented development envisioned for the Courtice MTSA. Such analysis could also help to inform the business case and model for district energy systems elsewhere in the Region.
- 6.2 Regional Staff will be advancing the development of a more detailed technical and financial assessment and business case to inform decision making and next steps for a district energy system serving the Courtice MTSA. Key tasks to be undertaken as part of this subsequent phase include:
  - Exploring various project delivery and business model options, including public, private, and hybrid/joint venture ownership models and potential partnerships with neighbouring entities.
  - b. Recommending policy and planning approaches and processes to mitigate potential risks associated with DE system development.

- c. Further due diligence on a DE system with a focus on the Courtice MTSA, including further examination of low carbon heat opportunities.
- d. Refining the Phase 1 business case and value proposition, with estimates and sensitivity analysis to key parameters including but not limited to: energy prices, carbon pricing, capital costs, and development load forecasts.
- 6.3 Once complete, the Region would then be better positioned to make informed decisions on how to pursue DE development in South Courtice and other areas across the Region, including:
  - a. Identifying potential utility partners that could help deliver DE systems;
  - b. Engaging with the development community to build understanding of DE and its value proposition, and discuss options for encouraging connection; and
  - Identifying potential senior government and/or other agency funding opportunities to support design and construction (e.g., Canada Infrastructure Bank).

### 7. Relationship to Strategic Plan

- 7.1 This report aligns with/addresses the following strategic goals and priorities in the Durham Region Strategic Plan:
  - a. Environmental Sustainability
    - Goal 1.1 Accelerate the adoption of green technologies and clean energy solutions through strategic partnerships and investment
    - Goal 1.4 Demonstrate leadership in sustainability and addressing climate change
  - b. Economic Prosperity
    - Goal 3.4 Capitalize on Durham's strengths in key economic sectors to attract high-quality jobs

### 8. Conclusion

- 8.1 The Region is examining DE as a way of delivering low or zero carbon energy supply to new community areas. Such systems could reduce community GHG emissions and improve overall energy security. A test case is being examined in the South Courtice area, where sources of low carbon thermal energy are in proximity that could supply affordable, low carbon heat. The establishment of DE in new development areas has the potential to significantly reduce fossil-fuel consumption and related GHG emissions, reduce community energy expenses, increase community energy stability, and create a new revenue stream.
- 8.2 Based on the favourable results of the pre-feasibility study attached to this report, Regional Staff will advance a more detailed feasibility study which will be reported to Regional Council in late 2022 or early 2023.

- 8.3 Staff in the CAO's Office, Finance, Works and Planning and Economic Development departments are engaged in this work and have reviewed the content of this report.
- 8.4 Report approved by: Sandra Austin, Director of Strategic Initiatives.
- 8.5 For additional information, contact: lan McVey, Manager of Sustainability, at 905-668-7711, extension 3803.

### 9. Attachments

Attachment #1: Clarington District Energy Feasibility Study

Respectfully submitted,

Original Signed by

Elaine Baxter-Trahair Chief Administrative Officer If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2304



### The Regional Municipality of Durham Report

From: Commissioner of Finance

Report: #2022-INFO-56 Date: June 24, 2022

### Subject:

Annual Development Charges Reserve Fund Statement

#### Recommendation:

Receive for information.

### Report:

### 1. Purpose

1.1 This annual report details the activity in each development charge reserve fund for the year ended December 31, 2021, in the manner prescribed by the Development Charges Act, policy reports, and By-laws adopted by Regional Council.

### 2. Compliance with the Development Charges Act and Regional Policy

- 2.1 In accordance with the Development Charges Act S.O. 1997, Section 43(1), "The treasurer of a municipality shall each year on or before such date as the council of the municipality may direct, give the council a financial statement relating to development charge by-laws and reserve funds established under section 33" (that is, for each service to which the development charge relates).
- 2.2 Specific guidance with respect to the information to be included in the Treasurer's annual statement is provided under Ontario Regulation 82/98.
- 2.3 Under the current Development Charges Legislation, a municipality cannot impose, directly or indirectly, a charge related to a development or a requirement to construct a service related to a development except as permitted by the Development Charges Act or another Act (Section 59.1 (1) of the Development Charges Act).
- 2.4 Furthermore, section 43 (2)(c) of the Development Charges Act requires that the Treasurer's financial report relating to development charges include a statement that the Region is in compliance with Section 59.1 (1) of the Development Charges Act, and did not impose a charge except as permitted by the Development Charges Act or another Act.

- 2.5 The Region has executed a number of agreements with the West Whitby Landowners Group and the Seaton Landowners, which provide for non-development charge contributions from the Landowners:
  - A) Two front-ending agreements were executed with the West Whitby Landowners Group, one to advance the design of a sanitary sewer pumping station and trunk sanitary sewer (executed in 2014 and now complete) and a subsequent front-ending agreement for the construction of the sanitary sewer pumping station and trunk sanitary sewer (executed in November 2015); and
  - B) A front-ending agreement with the Seaton Landowners for the design and construction of water supply, sanitary sewer and roads infrastructure required for the development of the Seaton Lands (executed in November 2015).
- 2.6 The Region has received non-development charge contributions from the West Whitby Landowners Group under the construction front-ending agreement totalling \$9,474 in 2021. However, as the construction project was approved in 2016, the full amount of the landowner contribution (received and receivable) was disclosed in the applicable schedule at that time and therefore is not included in the 2021 schedules. The West Whitby Landowners agreements were executed prior to the current requirements of the Development Charges Act coming into force and therefore in my opinion, these payments do no contravene Section 59.1 of the Development Charges Act.
- 2.7 The Region has received non-development charge contributions under the Seaton Phase 1 Regional Infrastructure Front Ending Agreement. In 2021, contributions from the Seaton Landowners totalled \$374,010.24 (as per the Phase 1 Regional Infrastructure Front Ending Agreement). These non-development charge contributions are to be used to fund Transit infrastructure in the Seaton area and have been deposited in the Seaton Capital Transit reserve fund, and consequently are not included in the attached schedules. In my opinion, this contribution does not contravene section 59.1 of the Development Charges Act since the agreements were executed prior to the amendments of the Development Charges Act coming into force.
- 2.8 The attached schedules are fully compliant with the requirements of the Development Charges legislation and the Region has not imposed any charge or a requirement to construct a service related to a development that contravenes Section 59.1 of the Development Charges Act.
- 2.9 This Annual Statement must be available to the public and to the Minister of Municipal Affairs and Housing, if requested.

### 3. Attachments

Schedule 1:	Residential Development Charges Reserve Funds Statement
Schedule 2:	Commercial Development Charges Reserve Funds Statement
Schedule 3:	Institutional Development Charges Reserve Funds Statement
Schedule 4:	Industrial Development Charges Reserve Funds Statement
Schedule 5:	Transit Non-Residential Development Charges Reserve Funds Statement
Schedule 6:	Area Specific Development Charges Reserve Funds Statement
Schedule 7:	Reserve Fund Statement for Residential and Non-Residential Development Charges Water Supply Capital Project Transfers
Schedule 8:	Reserve Fund Statement for Residential and Non-Residential Development Charges Sanitary Sewer Capital Project Transfers
Schedule 9:	Reserve Fund Statement for Residential and Non-Residential Development Charges Regional Roads Capital Project Transfers
Schedule 10:	Reserve Fund Statement for Residential Development Charges EMS Capital Project Transfers
Schedule 11:	Reserve Fund Statement for Residential Development Charges GO Transit Capital Project Transfers
Schedule 12:	Reserve Fund Statement for Residential and Non-Residential Development Charges Transit Capital Project Transfers
Schedule 13:	Reserve Fund Statement for Residential Development Charged Police Capital Project Transfers
Schedule 14:	Reserve Fund Statement for Seaton Area Specific Development Charges Capital Project Transfers
Schedule 15:	Development Charges Credits Statement

Respectfully submitted,

Original Signed By

### REGIONAL MUNICIPALITY OF DURHAM RESIDENTIAL DEVELOPMENT CHARGES RESERVE FUNDS STATEMENT FOR THE YEAR ENDED DECEMBER 31, 2021

	Water <u>Supply</u> \$	Sanitary <u>Sewage</u> \$	Regional <u>Roads</u> \$	<u>Police</u> \$	Homes for the <u>Aged</u> \$	DC <u>Study</u> \$	<u>EMS</u> \$	GO <u>Transit</u> \$	Health & Social <u>Services</u> \$	Housing <u>Services</u> \$	<u>Transit</u> \$
Balance as at January 1, 2021	161,748,609	64,745,819	74,710,821	20,214,022		742,718	1,436,622	<u>-</u> _	2,511,849	3,130,400	17,596,403
Add Revenues: Development Charges (Note 1) Interest Allocated	37,232,148 2,673,088	31,038,615 1,124,293	40,749,693 1,339,573	3,101,927 312,122	307,402 885	63,001 11,672	755,346 26,526	3,214,830	532,831 41,431	1,720,971 58,267	5,271,587 273,655
Total Reve	nues 39,905,236	32,162,908	42,089,266	3,414,049	308,287	74,673	781,872	3,214,830	574,262	1,779,238	5,545,242
Less Expenditures: Transferred to Capital Projects (Schedules 7-13)	25,647,402	21,262,884	42,198,240	11,300,000	-	-	850,000	3,073,598	-	-	3,714,278
Excess Financing on Prior Years' Completed Capital Projects (Schedules 7-13)	(3,517,749)	(1,598,508)	(2,458,024)	-	-	-	-	-	-	-	(77,319)
Debt Charges (Note 5)	-	6,252,950	-	-	208,770	-	-	-	-	-	-
Development Charges Review	-	-	-	-	-	95,445	-	-	-	-	-
Total Expendi	eures 22,129,653	25,917,326	39,740,216	11,300,000	208,770	95,445	850,000	3,073,598	-		3,636,959
Balance as at December 31, 2021 (Notes 3 & 4)	179,524,192	70,991,400	77,059,872	12,328,071	99,517	721,946	1,368,494	141,232	3,086,111	4,909,638	19,504,686

- (1) By-law 28-2018, approved June 13, 2018, governs the imposition of uniform development charges against all lands within the Region's boundaries for residential and non-residential uses, by-law 86-2001, as amended, imposes a GO Transit residential development charge against all lands within the Region's boundaries, and by-law 81-2017, as amended, imposes Regional Transit residential and non-residential use development charges against all lands within the Region's boundaries.
- (2) There were no amounts loaned or repaid between development charge reserve funds or borrowed from / repaid to reserve funds for other municipal purposes.
- (3) Audited financial statement balances may differ due to Public Sector Accounting Standards (PSAS) reporting requirements.
- (4) Development charges reserve funds are committed as funding for capital projects, debt charges expenditures, and the Region's share of commitments pursuant to various development agreements as set out in the development charges study.
- (5) Debt charges include principal and interest charges for both externally and internally issued debentures.

### REGIONAL MUNICIPALITY OF DURHAM COMMERCIAL DEVELOPMENT CHARGES RESERVE FUNDS STATEMENT FOR THE YEAR ENDED DECEMBER 31, 2021

		Water Supply \$	Sanitary <u>Sewage</u> \$	Regional <u>Roads</u> \$
Balance as at January 1, 2021		8,071,924	7,929,552	18,541,175
Add Revenues: Development Charges (Note 1) Interest Allocated		3,129,674 143,138	5,264,512 151,182	7,677,932 332,646
	Total Revenues	3,272,812	5,415,694	8,010,578
Less Expenditures: Transferred to Capital Projects (Schedules 7-9)		700,653	1,380,880	4,822,656
Excess Financing on Prior Years' Completed Capital Projects (Schedules 7-9)		(115,138)	(127,582)	(475,309)
Debt Charges (Note 5)		-	756,809	-
	Total Expenditures	585,516	2,010,107	4,347,347
Balance as at December 31, 2021 (Notes 3 & 4)		10,759,220	11,335,138	22,204,406

- (1) By-law 28-2018, approved June 13, 2018, governs the imposition of uniform development charges against all lands within the Region's boundaries for residential and non-residential uses.
- (2) There were no amounts loaned or repaid between development charge reserve funds or borrowed from / repaid to reserve funds for other municipal purposes.
- (3) Audited financial statement balances may differ due to Public Sector Accounting Standards (PSAS) reporting requirements.
- (4) Development charges reserve funds are committed as funding for capital projects, debt charges expenditures, and the Region's share of commitments pursuant to various development agreements as set out in the development charges study.
- (5) Debt charges include principal and interest charges for both externally and internally issued debentures.

### REGIONAL MUNICIPALITY OF DURHAM INSTITUTIONAL DEVELOPMENT CHARGES RESERVE FUNDS STATEMENT FOR THE YEAR ENDED DECEMBER 31, 2021

		Water <u>Supply</u> \$	Sanitary <u>Sewage</u> \$	Regional <u>Roads</u> \$
Balance as at January 1, 2021		72,992	196,800	895,229
Add Revenues: Development Charges (Note 1) Interest Allocated	Total Revenues	3,477 1,363 4,840	4,214 3,261 7,475	14,667 13,877 28,544
Less Expenditures: Transferred to Capital Projects (Schedules 7-9)		-	-	-
Debt Charges (Note 5)	otal Expenditures	21,496		<u>-</u>
Balance as at December 31, 2021 (Notes 3 & 4)		56,336	204,275	923,773

- (1) By-law 28-2018, approved June 13, 2018, governs the imposition of uniform development charges against all lands within the Region's boundaries for residential and non-residential uses.
- (2) There were no amounts loaned or repaid between development charge reserve funds or borrowed from / repaid to reserve funds for other municipal purposes.
- (3) Audited financial statement balances may differ due to Public Sector Accounting Standards (PSAS) reporting requirements.
- (4) Development charges reserve funds are committed as funding for capital projects, debt charges expenditures, and the Region's share of commitments pursuant to various development agreements as set out in the development charges study.
- (5) Debt charges include principal and interest charges for both externally and internally issued debentures.

### REGIONAL MUNICIPALITY OF DURHAM INDUSTRIAL DEVELOPMENT CHARGES RESERVE FUNDS STATEMENT FOR THE YEAR ENDED DECEMBER 31, 2021

		Water <u>Supply</u> \$	Sanitary <u>Sewage</u> \$	Regional <u>Roads</u> \$
Balance as at January 1, 2021		10,791,433	14,646,601	13,966,442
Add Revenues: Development Charges (Note 1) Interest Allocated	Total Revenues	7,016,860 190,261 7,207,121	8,291,870 255,218 8,547,088	8,253,928 244,846 8,498,774
Less Expenditures:  Transferred to Capital Projects  (Schedules 7-9)		1,459,510	1,707,463	6,693,000
Excess Financing on Prior Years' Completed Capital Projects (Schedules 7-9)		(574)	-	-
Debt Charges (Note 5)		415,241	-	-
	Total Expenditures	1,874,177	1,707,463	6,693,000
Balance as at December 31, 2021 (Notes 3 & 4)		16,124,377	21,486,226	15,772,216

- (1) By-law 28-2018, approved June 13, 2018, governs the imposition of uniform development charges against all lands within the Region's boundaries for residential and non-residential uses.
- (2) There were no amounts loaned or repaid between development charge reserve funds or borrowed from / repaid to reserve funds for other municipal purposes.
- (3) Audited financial statement balances may differ due to Public Sector Accounting Standards (PSAS) reporting requirements.
- (4) Development charges reserve funds are committed as funding for capital projects, debt charges expenditures, and the Region's share of commitments pursuant to various development agreements as set out in the development charges study.
- (5) Debt charges include principal and interest charges for both externally and internally issued debentures.

### REGIONAL MUNICIPALITY OF DURHAM TRANSIT NON-RESIDENTIAL DEVELOPMENT CHARGES RESERVE FUNDS STATEMENT FOR THE YEAR ENDED DECEMBER 31, 2021

		<u>Transit</u> \$
Balance as at January 1, 2021		3,460,984
Add Revenues:		4 000 400
Development Charges (Note 1)		1,892,488
Interest Allocated		50,044
	Total Revenues	1,942,532
Less Expenditures: Transferred to Capital Projects (Schedule 12)		1,668,734
Excess Financing on Prior Years' Completed Capital Projects (Schedule 12)		(35,058)
	Total Expenditures	1,633,676
Balance as at December 31, 2021 (Notes 3 & 4)		3,769,840

- (1) By-law 81-2017, as amended, imposes Regional Transit residential and non-residential use development charges against all lands within the Region's boundaries.
- (2) There were no amounts loaned or repaid between development charge reserve funds or borrowed from / repaid to reserve funds for other municipal purposes.
- (3) Audited financial statement balances may differ due to Public Sector Accounting Standards (PSAS) reporting requirements.
- (4) Development charges reserve funds are committed as funding for capital projects, debt charges expenditures, and the Region's share of commitments pursuant to various development agreements as set out in the development charges study.

### REGIONAL MUNICIPALITY OF DURHAM AREA SPECIFIC DEVELOPMENT CHARGES RESERVE FUNDS STATEMENT FOR THE YEAR ENDED DECEMBER 31, 2021

		Seaton Water <u>Supply</u> (Note 1) \$	Seaton Sanitary Sewage (Note 1) \$
Balance as at January 1, 2021		6,191,745	5,891,998
Add Revenues: Area Specific Development Charges Interest Allocated	Total Revenues	13,010,724 91,029 13,101,753	4,601,085 90,027 4,691,112
Less Expenditures: Transferred to Capital Projects (Schedule 14) Area Specific Development Charges Study		10,933,239 1,771	745,012 1,771
	Total Expenditures	10,935,010	746,783
Balance as at December 31, 2021 (Note 3)		8,358,489	9,836,327

- (1) By-law 38-2019, approved June 26, 2019 and amended by By-law 52-2021, governs the imposition of area specific development charges against all lands within the Seaton service area.
- (2) There were no amounts loaned or repaid between development charge reserve funds or borrowed from / repaid to reserve funds for other municipal purposes.
- (3) Commitments include financing for capital projects to be undertaken as set out in the area specific development charge study.

Capital Project	Residential Development Charges	Commercial Development Charges	Industrial Development Charges	User Rate	Other Financing	Description	Total Financing	Intended Purpose
•	\$	\$	\$	\$	\$		\$	
Zone 2 feedermain on Taunton Road from Westney Road to 200m west of Harwood Avenue, Ajax	262,800	6,600	-	30,600	-		300,000	Engineering and design of feedermain to service new development
Zone 2 feedermain on William Jackson Drive and Taunton Road from Earl Grey Avenue to Ravenscroft Road,	438,000	11,000	50,500	500	-		500,000	Engineering design of feedermain to service new development
Zone 1 feedermain from Whitby Water Supply Plant to Thornton Road, Whitby/Oshawa	3,942,000	99,000	-	459,000	-	-	4,500,000	Construction of feedermain to service new development
Zone 3 feedermain on Conlin Road from Anderson Street to Garrard Road Pumping Station, Whitby	1,734,480	43,560	199,980	1,980	-	-	1,980,000	Construction of feedermain to service new development
Watermain on Thornton Road from Conlin Road within the Northwood Employment Area, Oshawa	490,560	12,320	-	57,120	-	-	560,000	Engineering design and construction of a watermain to accommodate new development
Zone 4 feedermain on Conlin Road from Harmony Road to Grandview Street, Oshawa	1,454,160	36,520	167,660	1,660	-	-	1,660,000	Construction of feedermain to service new development
Zone 4 feedermain on Conlin Road from Ritson Road to Wilson Road, Oshawa	315,360	7,920	66,660	660		-	390,600	Engineering design of feedermain to service new development
Zone 4 feedermain on Harmony Road from Conlin Road to new Zone 4 Water Pumping Station, Oshawa	4,248,600	106,700	192,270	302,430		-	4,850,000	Construction of feedermain to service new development
Subtotal	12,885,960	323,620	677,070	853,950	-	<u>-</u> -	14,740,600	

Capital Project	Residential Development Charges	Commercial Development Charges	Industrial Development Charges	User Rate	Other Financing	Description	Total Financing	Intended Purpose
ouplium Frojoot	\$	\$	\$	\$	\$		\$	mionada i dipodo
Subtotal carried forward	12,885,960	323,620	677,070	853,950		<u>-</u> .	14,740,600	
Zone 4 feedermain from Zone 4 Pumping Station at Harmony Road Reservoir to Oshawa Zone 4 Reservoir, Oshawa	1,051,200	26,400	121,200	1,200		-	1,200,000	Engineering and design of feedermain to service new development
Courtice Zone 1 feedermain - Phase 3, Baseline Road from Trulls Road to Courtice Road and Trulls Road from Baseline Road to Bloor Street, Clarington	556,260	13,970	64,135	635		-	635,000	Construction of feedermain to service new development
Garrard Road Zone 3 Water Pumping Station, Whitby	131,400	3,300	-	15,300		-	150,000	Engineering design of upgrades at the pumping station required to provide water system capacity and reliability to service new development
Zone 4 Pumping Station at the Thickson Road Reservoir, Whitby	759,000	19,100	88,000	133,900		-	1,000,000	Engineering design for the future construction of a new pumping station to service new development
Oshawa Zone 4 storage facility, Oshawa	1,672,100	41,929	193,085	392,886		-	2,300,000	Engineering design for the construction of a new 16,000 cubic metre storage facility to service future growth
Concession Street Water Pumping Station Expansion, Clarington	4,444,200	111,780	-	844,020		-	5,400,000	Construction of the pumping station expansion to service new development
Zone 2 Pumping Station at the Zone 1 Reservoir, Clarington	823,000	20,700	95,400	60,900		-	1,000,000	Construction of the pumping station to accommodate development
Demolition of the Newcastle Water Supply Plant, Clarington	125,100	12,600	57,900	104,400		-	300,000	Engineering design for the demolition of the old plant upon completion of a Water Supply Plant to service existing and future growth
Subtotal	22,448,220	573,399	1,296,790	2,407,191		<u>-</u> .	26,725,600	

Capital Project	Residential Development Charges	Commercial Development Charges	Industrial Development Charges	User Rate	Other Financing	Description	Total Financing	Intended Purpose
	\$	\$	\$	\$	\$		\$	
Subtotal carried forward	22,448,220	573,399	1,296,790	2,407,191	-		26,725,600	
Newcastle Zone 1 reservoir, Clarington	663,200	16,560	76,320	43,920	-		800,000	Engineering design for a future 11,000 cubic metre reservoir to accommodate new development
Newcastle Zone 2 Water Pumping Station, Clarington	752,000	18,800	86,400	142,800	-		1,000,000	Engineering design for the future construction of a water pumping station to service future development
New well and pumphouse, Uxbridge	637,000	64,000	-	299,000	-		1,000,000	Environmental Assessment for the construction of new well and pumphouse to service future growth
Cannington Water Supply System - New Well and Pumphouse, Brock	6,000	540	-	593,460	-		600,000	Construction to provide system security and capacity to service new development
Feedermain on Harmony Road from Conlin Road to approximately 1,500 m northerly, Oshawa	847,880	21,293	-	98,727	613,300	Developer Share	1,581,200	Cost sharing for the engineering and design of feedermain to service new development
Subtotal	25,354,300	694,592	1,459,510	3,585,098	613,300		31,706,800	

Capital Project	Residential Development Charges	Commercial Development Charges	Industrial Development Charges	User Rate	Other Financing	Description	Total Financing	Intended Purpose
	\$	\$	\$	\$	\$		\$	
Subtotal carried forward	25,354,300	694,592	1,459,510	3,585,098	613,300		31,706,800	
Work in conjunction with Residential Subdivision Development	293,102	6,061	-	28,100	-		327,263	Regional share of water servicing in various locations related to subdivision development-Heathwood Homes (Whitby Country Lane)
Subtotal - Amounts transferred to Capital Projects before (Excess)/Shortfall		700,653	1,459,510	3,613,198	613,300		32,034,063	
Excess Financing in Prior Years' Completed Capital Projects	(3,517,749)	(115,138)	(574)	(462,446)	-		(4,095,906)	Excess development charge financing: Residential: Rossland Road Feedermain from Bunting Road to Church Street \$1,298,094, Regional share of services for Residential Subdivision Development \$966,192, Rossland Road Phase 3 Watermain \$883,522, Rossland Road Phase 1 Watermain \$259,704, and Other Projects \$110,237; Commercial: Rossland Road Feedermain from Bunting Road to Church Street \$41,483, Regional Share of Services for Residential Subdivision Development \$29,902, Rossland Road Phase 3 Watermain \$31,131, Rossland Road Phase 1 Watermain \$9,151, and Other Projects \$3,471 Industrial: Other Projects \$574
Subtotal Excess Financing in Prior Year's Completed Projects	(3,517,749)	(115,138)	(574)	(462,446)			(4,095,906)	
Total	22,129,653	585,516	1,458,936	3,150,752	613,300		27,938,157	

Note:

There were no Institutional Development Charges transferred to Capital Projects in 2021.

Capital Project	Residential Development Charges	Commercial Development Charges	Industrial Development Charges	User Rate	Other Financing	Description	Total Financing	Intended Purpose
	\$	\$	\$	\$	\$		\$	
Trunk sanitary sewer on Bowmanville Avenue from south of Highway 2 to north of Stevens Road, Clarington	1,236,150	77,050	-	361,800	-		1,675,000	Construction of trunk sanitary sewer to service growth
Twinning of the primary trunk sanitary sewer, Pickering	738,000	46,000	-	216,000	1,000,000	Region of York	2,000,000	Environmental assessment of the primary trunk sanitary sewer to provide increased capacity and system security
Forcemain from the Liverpool Road Sanitary Sewage Pumping Station to the Duffin Creek Water Pollution Control Plant, Pickering	558,440	34,960	-	326,600	-		920,000	Construction for twinning of forcemain required to provide system security and increased capacity to service growth
West Brooklin trunk sanitary sewer from west of Cochrane Street to east of Highway 12, Whitby	5,125,927	319,502	-	1,500,271	-		6,945,700	Construction of trunk sanitary sewer to service new development
Sanitary sewer on Thornton Road from Conlin Road within the Northwood Employment Area, Oshawa	771,210	48,070	-	225,720	-		1,045,000	Engineering design and construction of a trunk sewer to accommodate new development
Trunk sanitary sewer on Harmony Road from Conlin Road to approximately 1,500 m northerly, Oshawa	2,655,150	165,450	-	777,100	1,164,100	Developer Share	4,761,800	Cost sharing for the engineering design and construction of trunk sewer to accommodate growth
Trunk sanitary sewer on Conlin Road from Ritson Road to Harmony Road,	295,200	18,400	-	86,400	-		400,000	Engineering design of trunk sanitary sewer to service new development
Courtice trunk sewer, Phase 3, Baseline Road from Courtice Road to Trulls Road and Trulls Road from Baseline Road to Bloor Street, Clarington	3,247,200	202,400	937,200	13,200	-		4,400,000	Construction of trunk sewer to accommodate system expansion for new development
Courtice trunk sewer, Phase 6, Stage 1, Townline Road from Adelaide Avenue to Coldstream Drive, Oshawa / Clarington	2,668,800	166,348	770,263	10,849	-		3,616,260	Engineering design and construction of trunk sewer to accommodate system expansion for new development
Subtotal	17,296,077	1,078,180	1,707,463	3,517,940	2,164,100		25,763,760	

Capital Projects before Excess Financing

Capital Project	Residential Development Charges	Commercial Development Charges	Industrial Development Charges	User Rate \$	Other Financing	Description	Total Financing \$	Intended Purpose
Subtotal carried forward	۳ 17,296,077	·	1,707,463	3,517,940	2,164,100		25,763,760	
Carruthers Creek Sanitary Sewage Pumping Station expansion, Ajax	1,357,920		-	397,440	-		1,840,000	Engineering design and construction at Carruthers Creek Sanitary Sewage Pumping Station for expansion of pumps and standby power to service growth and security
Expansion of the Conlin Road Sanitary Sewage Pumping Station and twinning of the forcemain, Oshawa	738,000	46,000	-	216,000	-		1,000,000	Engineering design of pumping station and twinning of forcemain required to provide additional capacity for new development
Simcoe Street South Sanitary Sewage Pumping Station expansion and twinning of forcemain, Oshawa	524,250	32,738	-	193,012	-		750,000	Engineering design of pumping station required and twinning of forcemain to provide additional capacity for new development
Baseline Road Sanitary Sewage Pumping Station and forcemain, Clarington	664,200	41,400	-	194,400	-		900,000	Engineering design of pumping station and forcemain required to provide additional capacity for new development
Sunderland Water Pollution Control Plant - Lagoon System Expansion, Brock	131,750	20,700	-	347,550	-		500,000	Detailed design to plan for additional sanitary sewage capacity to service growth in Sunderland
Cannington Water Pollution Control Plant - Lagoon System Expansion, Brock	131,750	20,700	-	347,550	-		500,000	Detailed design to plan for additional sanitary sewage capacity to service growth in Cannington
Trunk sanitary sewer on Highway 2 from Salem Road to Galea Drive, Ajax	258,300	16,100	-	75,600	-		350,000	Detailed design of trunk sanitary sewer to service new development
Jeffery Street sanitary sewage pumping station and trunk sanitary sewer, Whitby	160,637	40,422	-	-	-		201,059	Construction of a Sanitary Sewage Pumping Station and trunk sanitary sewer to accommodate system expansion for new development in West Whitby
Subtotal - Amounts transferred to	21,262,884	1,380,880	1,707,463	5,289,492	2,164,100		31,804,819	

Capital Project	Residential Development Charges	Commercial Development Charges	Industrial Development Charges	User Rate	Other Financing	Description	Total Financing	Intended Purpose
	\$	\$	\$	\$	\$		\$	
Subtotal carried forward	21,262,884	1,380,880	1,707,463	5,289,492	2,164,100		31,804,819	
Excess Financing in Prior Years' Completed Capital Projects	(1,598,508)	(127,582)	-	(213,059)	-		(1,939,149)	Excess development charge financing: Residential: All Regional Share Residential Development \$727,952, Courtice WPCP Sanitary Sewer \$483,471, and Rossland Road Sanitary Sewer from Bunting Road to Church Street \$387,085; Commercial: Regional share of services for Residential Subdivision Development \$45,374, Courtice WPCP Sanitary Sewer \$36,607, and Rossland Road Sanitary Sewer from Bunting Road to Church Street \$45,601.
Total	19,664,376	1,253,298	1,707,463	5,076,433	2,164,100	-	29,865,671	

#### Note

There were no Institutional Development Charges transferred to Capital Projects in 2021.

Capital Project	Residential Development Charges	Commercial Development Charges	Industrial Development Charges	General Tax	Other Financing	Description	Total Financing	Intended Purpose
Supital Froject	\$	\$	\$	\$	\$	Description	\$	Interluca i di pose
Brock Road / Highway 401 eastbound On Ramp Intersection, Pickering	315,000	36,000	90,000	59,000		-	500,000	Engineering and design to modify intersection to accommodate increased traffic volumes
Brock Road from Taunton Road to Alexander Knox Road - 5th Concession Road, Pickering	7,012,600	801,440	425,740	2,660,220		-	10,900,000	Construction to widen road from two lanes to four including intersection modifications to service growth
Winchester Road from Baldwin Street to Anderson Street, Whitby	676,200	77,280	193,200	103,320		-	1,050,000	Engineering and design and utility relocations to widen to 3/4 lanes including structure widening to service growth
Region Road 3 (Concession 8) / Bowmanville Avenue (Region Road 57) Intersection, Clarington	598,500	68,400	171,000	112,100		-	950,000	Modify intersection with construction of roundabout to accommodate increased traffic volumes
Taunton Road / Anderson Street Intersection, Whitby	1,669,500	190,800	477,000	312,700		-	2,650,000	Engineering and design and utility relocation to modify intersection to accommodate increased traffic volumes
Taunton Road / Bowmanville Avenue Intersection, Clarington	252,000	28,800	72,000	47,200		-	400,000	Construction to modify intersection to roundabout and replace and widen bridge on west leg of intersection to accommodate growth
Taunton Road / Region Road 42 Darlington/Clarke Townline Intersection, Clarington	378,000	43,200	108,000	70,800		-	600,000	Engineering and design and property acquisition for intersection modifications required to service growth
Liberty Street from Baseline Road to King Street, Clarington	190,400	21,760	54,400	133,440		-	400,000	Engineering and design to widen road from 2 to 3 lanes to service growth
Liberty Street from Longworth Avenue to Concession Road 3, Clarington	63,000	7,200	18,000	11,800		-	100,000	Road rehabilitation engineering and design including roundabout at Concession Road 3 intersection and signalization and modifications at Liberty Street and Freeland Avenue - Bons Avenue to service growth
Bayly Street / Sandy Beach Road Intersection, Pickering	63,000	7,200	18,000	11,800		-	100,000	Property acquisition for intersection modifications required to service growth
Bayly Street / Church Street Intersection, Pickering	630,000	72,000	180,000	118,000		-	1,000,000	Construction costs for intersection modifications required to service growth
Subtotal	11,848,200	1,354,080	1,807,340	3,640,380		-	18,650,000	

	Residential Development	Commercial Development	Industrial Development		Other		Total	
Capital Project	Charges	Charges	Charges	General Tax	Financing	Description	Financing	Intended Purpose
	\$	\$	\$	\$	\$		\$	
Subtotal carried forward	11,848,200	1,354,080	1,807,340	3,640,380		-	18,650,000	
Victoria Street from South Blair Street to west of Thickson Road, Whitby	630,000	72,000	180,000	118,000		-	1,000,000	Construction for the new alignment and widen the road to five lanes to service growth
Victoria Street / Bloor Street (east of Thickson Road - west of Stevenson Road), Whitby / Oshawa	777,000	88,800	222,000	412,200		-	1,500,000	Property acquisition and utility relocation to widen road to four/five lanes for future growth
Bloor Street from east of Harmony Road to Grandview Street, Oshawa	1,577,800	180,320	450,800	91,080		-	2,300,000	Engineering and design to widen road to four/five lanes to service increasing traffic volumes to accommodate growth
Lake Ridge Road from Bayly Street to Kingston Road / Dundas Street, Ajax / Whitby	306,600	35,040	87,600	170,760		-	600,000	Engineering and design to widen road to four/five lanes to service increasing traffic volumes to accommodate growth
Thickson Road from Wentworth Street to C.N. Rail Line, Whitby	322,000	36,800	92,000	49,200		-	500,000	Construction to widen to four lanes to accommodate growth
Thickson Road / Burns Street Intersection, Whitby	630,000	72,000	180,000	118,000		-	1,000,000	Construction for intersection modifications required to service growth
Thickson Road / Rossland Road Intersection, Whitby	94,500	10,800	27,000	17,700		-	150,000	Utility relocation required for intersection reconstruction to service growth
Thornton Road from north of Stellar Drive to King Street, Oshawa	609,000	69,600	174,000	147,400		-	1,000,000	Environmental assessment and engineering and design to widen road to four/five lanes to service increasing traffic volumes to accommodate growth
Bowmanville Avenue from Baseline Road to south of Regional Highway 2, Clarington	1,162,000	132,800	332,000	373,200		-	2,000,000	Property acquisition and utility relocation to facilitate widening of road to 4 lanes and structure widening to accommodate growth
Bowmanville Avenue from south of Highway 2 to north of Stevens Road, Clarington	4,892,650	559,160	1,397,900	1,550,290		-	8,400,000	Construction to widen road to four lanes and intersection modifications at Regional Highway 2 and Stevens Rd. required to service growth
- Subtotal	22,849,750	2,611,400	4,950,640	6,688,210		-	37,100,000	

	Residential Development	Commercial Development	Industrial Development		Other		Total	
Capital Project	Charges	Charges	Charges	General Tax		escription	Financing	Intended Purpose
	\$	\$	\$	\$	\$		\$	
Subtotal carried forward	22,849,750	2,611,400	4,950,640	6,688,210	-		37,100,000	
Bowmanville Avenue / Concession 7 Intersection, Clarington	252,000	28,800	72,000	47,200	-		400,000	Engineering and design for intersection modifications required to service growth
Gibb Street from east of Stevenson Road to Simcoe Street, Oshawa	2,524,760	288,544	721,360	1,545,336	-		5,080,000	Property acquisition to widen road to four lanes to accommodate growth
Baldwin Street from north of Taunton Road to north of Garden Street, Whitby	318,500	36,400	91,000	54,100	-		500,000	Engineering and design for widening road to four/five lanes to service growth
Bridge and Pavement Management Program	189,000	21,600	54,000	35,400	-		300,000	Updates and needs analysis of network in order to identificand prioritize expansion requirements of the road and bridge network to accommodate growth
Growth Related Signal Installation Program	1,449,000	165,600	414,000	271,400	-		2,300,000	New traffic signal installations, signal modifications and the underground infrastructure to accommodate increased traffic volumes due to new development
Intelligent Transportation System Initiatives	441,000	50,400	126,000	82,600	-		700,000	Technological upgrades associated with the intelligent transportation system including traveler information, integration, traffic and emergency management to accommodate increased traffic volumes
Engineering Activities	283,500	32,400	81,000	53,100	-		450,000	Miscellaneous engineering assignments linked to growth related projects at various locations
Miscellaneous Property Acquisition	189,000	21,600	54,000	35,400	-		300,000	Property acquisition at various locations related to road widening projects and intersection improvements to accommodate growth
Miscellaneous Landscaping Projects	157,500	18,000	45,000	29,500	-		250,000	Landscaping, including boulevard enhancements, for growth related projects
Transportation Plans and Studies	105,000	12,000	30,000	3,000	-		150,000	Transportation master plan studies to address outstanding recommended actions for growth related projects
Subtotal	28,759,010	3,286,744	6,639,000	8,845,246	-		47,530,000	

Capital Project	Residential Development Charges	Commercial Development Charges	Industrial Development Charges	General Tax	Other Financing Description	Total Financing	Intended Purpose
<u>Gapitai i Toject</u>	\$	\$	\$	\$	\$	\$	intended i di pose
Subtotal carried forward	28,759,010	3,286,744	6,639,000	8,845,246	<u>-</u>	47,530,000	
Contingencies Development Related	157,850	18,040	45,100	34,510	-	255,500	Contingency for development related growth projects
Storm sewer on Harmony Road, Oshawa	31,150	3,560	8,900	890	-	44,500	Construction of regional storm sewer to facilitate the construction of the Britannia Avenue to Harmony Road intersection to accommodate growth
Construction of Median Bus Rapid Transit Lanes on Highway 2, Pickering	1,432,379	163,700	-	604,196	6,049,725 ICIP	8,250,000	Engineering design, utility relocations and construction related construction of Bus Rapid Transit lanes to accommodate growth
Property Acquisition for Construction of Median Bus Rapid Transit Lanes on Highway 2, Pickering	7,616,700	870,480	-	3,212,820	-	11,700,000	Property acquisitions related to construction of Bus Rapid Transit lanes to accommodate growth
Design and Construction of Bus Rapid Transit Lanes in the Town of Ajax, Town of Whitby and City of O h	432,001	49,372	-	585,428	2,933,200 ICIP	4,000,000	Engineering design, utility relocations and construction related construction of Bus Rapid Transit lanes to accommodate growth
Property Acquisition for construction of Bus Rapid Transit Lanes, Ajax, Whitby and Oshawa	3,769,150	430,760	-	4,800,090	-	9,000,000	Property acquisitions related to construction of Bus Rapid Transit lanes to accommodate growth
Subtotal	42,198,240	4,822,656	6,693,000	13,283,089	8,982,925	80,780,000	

Capital Project	Residential Development Charges	Commercial Development Charges	Industrial Development Charges	General Tax	Other Financing	Description	Total Financing	Intended Purpose
	\$	\$	\$	\$	\$		\$	
Subtotal carried forward	42,198,240	4,822,656	6,693,000	13,283,089	8,982,925		80,780,000	
Subtotal - Amounts transferred to Capital Projects before Excess Financing	42,198,240	4,822,656	6,693,000	13,283,089	8,982,925	- -	80,780,000	
Excess Financing on Prior Years' Completed Capital Projects	(2,458,024)	(475,309)	-	(1,175,160)	-		(4,108,493)	Excess development charge financing: Residential: Regional share of services for Residential Subdivision Development \$1,120,000; Altona Road - Sheppard to Strouds \$581,464; Brock Road from Bayly to Kingston Road \$243,413; Miscellaneous Engineering Activities \$186,579 and Other Projects \$326,568.  Commercial: Regional share of services for Residential Subdivision Development \$128,000; Altona Road - Sheppard to Strouds \$174,598; Brock Road from Bayly to Kingston Road \$75,754; Miscellaneous Engineering Activities \$27,438 and Other Projects \$69,519.
- Total	39,740,216	4,347,347	6,693,000	12,107,929	8,982,925	<u> </u>	76,671,507	

- (1) There were no Institutional Development Charges transferred to Capital Projects in 2021.
- (2) General Tax includes Roads Capital Reserve, Road and Bridge Rehabilitation Reserve Funds and General Tax sources.
- (3) ICIP funding represents Provincial and Federal grant funding under the Investing in Canada Infrastructure Program.

## REGIONAL MUNICIPALITY OF DURHAM RESERVE FUND STATEMENT FOR RESIDENTIAL DEVELOPMENT CHARGES EMERGENCY MANAGEMENT SERVICES CAPITAL PROJECT TRANSFERS FOR THE YEAR ENDED DECEMBER 31, 2021

Capital Project		Residential Development Charges	General Tax \$	Other Financing	Description	Total Financing \$	Intended Purpose
Seaton Paramedic Response Station, Pickering		850,000	1,986,000		-	2,836,000	Construction of the Seaton Paramedic Response Station to accommodate new development
	Total	850,000	1,986,000	-	 - = :	2,836,000	

Capital Project	Residential Development Charges \$	General Tax	Other Financing \$	Description	Total Financing \$	Intended Purpose
Growth / Enhancement Program for GO Transit	3,073,598	-	-		3,073,598	Municipal share of growth related capital per GO Transit billings
Tota	3,073,598	-	-		3,073,598	

### Note:

In accordance with Regional Council direction, payment to Metrolinx for the Region's share of GO Transit Growth Capital has been limited to the amount of Development Charges collected by the Region in 2021 for GO Transit purposes.

Capital Project	Residential Development Charges	Non Residential Development Charges	General Tax	Other Financing	Description	Total Financing	Intended Purpose
	\$	\$	\$	\$		\$	
New indoor bus storage and service facility, Whitby	2,815,200	1,264,800	370,800	1,549,200	Provincial Gas Tax	6,000,000	Property acquisition for a new indoor bus storage and service facility to facilitate expansion of service on Durham Region Transit's conventional and specialized services fleet
Bus Stop Infrastructure	168,912	75,888	115,200	-		360,000	New bus stop infrastructure to support growth
Conventional Buses	730,166	328,046	-	4,776,788	ICIP \$4,278,806; Provincial Gas Tax \$497,982	5,835,000	Eight growth-related buses to deliver service expansion and enhancement along Simcoe Street Bus Rapid Transit corridor
Subtotal - Amounts transferred to Capital Projects before Excess Financing	, ,	1,668,734	486,000	6,325,988		12,195,000	
Excess Financing on Prior Years' Completed Capital Projects	(77,319)	(35,058)	-	-		(112,376)	Excess development charge financing: Residential: Bus Camera Security Systems \$8,885, Hard Surface Stops \$(705), Shelters \$27,000, Fareboxes/Radios \$22,686 and ITS Annunciators \$19,453 Commercial: Bus Camera Security Systems \$4,443 Hard Surface Stops \$(317), Shelters \$12,000, Fareboxes/Radios \$10,192 and ITS Annunciators \$8,740
Total	3,636,959	1,633,676	486,000	6,325,988	•	12,082,624	

<sup>(1)</sup> ICIP funding represents Provincial and Federal grant funding under the Investing in Canada Infrastructure Program.

## REGIONAL MUNICIPALITY OF DURHAM RESERVE FUND STATEMENT FOR RESIDENTIAL DEVELOPMENT CHARGES POLICE CAPITAL PROJECT TRANSFERS FOR THE YEAR ENDED DECEMBER 31, 2021

Capital Project	Residential Development Charges \$	General Tax \$	Other Financing \$	Description	Total Financing \$	Intended Purpose
Police Complex Phase 2, Clarington	11,300,000	11,343,000	63,867,000	Debentures	86,510,000	Construction of a Regional Support Centre and Centre for Investigative Excellence in Clarington
Total	11,300,000	11,343,000	63,867,000		86,510,000	

### Note:

General Tax includes Climate Change Mitigation and Environmental Initiatives Reserve Fund and General Tax sources.

## REGIONAL MUNICIPALITY OF DURHAM RESERVE FUND STATEMENT FOR SEATON AREA SPECIFIC DEVELOPMENT CHARGES CAPITAL PROJECT TRANSFERS FOR THE YEAR ENDED DECEMBER 31, 2021

Capital Project	Water Area Specific Development Charges \$	Sewer Area Specific Development Charges	Other Financing \$	Description	Total Financing \$	Intended Purpose
Brock Road Zone 1 reservoir and Zone 3/4 pumping station, Pickering	3,487	-		•	3,487	Construction of reservoir to provide adequate storage to meet peak flow demand and fire / emergency storage demand in Zone 1 pressure district of Pickering and Ajax and the pumping station to provide water supply for new development in the Zone 3 and 4 pressure districts
Brock Road Zone 1 feedermain, Easement to Zone 1 Reservoir, Pickering	1,678	-		-	1,678	Construction of feedermain to service new development
Rossland Road feedermain from Brock Road to Bunting Road, Ajax	943	-		-	943	Construction of feedermain to service new development
Rossland Road feedermain from Bunting Road to Church Street, Ajax	734,046	-	-	-	734,046	Construction of feedermain to service new development
Zone 4 Reservoir and Zone 5 Pumping Station, Pickering	10,150,073	-			10,150,073	Engineering design of reservoir and pumping station required for the development of the Seaton Community
Brock Road Zone 1 feedermain from south of CPR to Easement, Pickering	43,013	-	-	-	43,013	Construction of feedermain to service growth
Sanitary Sewage Pumping Station 4 and forcemain, Pickering	-	113,124	-		113,124	Engineering design and construction of pumping station required for the development of the Seaton Community
Central Duffin Collector trunk sanitary sewer from Fourth Concession Road to Taunton Road, Pickering	-	35,061	-		35,061	Engineering design and construction of the trunk sanitary sewer for the development of the Seaton Community
Central Duffin Collector trunk sanitary sewer from Taunton Road to south of the employment lands, Pickering	-	106,117			106,117	Engineering design and construction of the trunk sanitary sewer for the development of the Seaton Community
Duffin Creek Water Pollution Control Plant expansion of outfall, Pickering	-	379,053		-	379,053	Engineering design and environmental assessment to address the outfall limitations of the Duffin Creek WPCP to accommodate sewage flows from Seaton Community
Subtotal	10,933,239	633,355		<u>-</u> -	11,566,594	

## REGIONAL MUNICIPALITY OF DURHAM RESERVE FUND STATEMENT FOR SEATON AREA SPECIFIC DEVELOPMENT CHARGES CAPITAL PROJECT TRANSFERS FOR THE YEAR ENDED DECEMBER 31, 2021

Capital Project	Water Area Specific Development Charges \$	Sewer Area Specific Development Charges \$	Other Financing \$	Description	Total Financing \$	Intended Purpose
Subtotal carried forward	10,933,239	633,355		- -	11,566,594	
Duffin Creek Water Pollution Control Plant Diffuser, Pickering	-	111,657		-	111,657	Engineering design and construction to address the outfall limitations of the Duffin Creek WPCP to accommodate sewage flows from Seaton Community
Total	10,933,239	745,012		- - =	11,678,251	

### Note:

Seaton area specific development charges capital project transfers are for regionally constructed works in the Seaton development area and system expansions attributable to the Seaton development.

	Residential Development Charges		Area Specific Development Charges		
	Sanitary	y Sewerage	Roads	Sanitary Sewerage	Water
	Ontario Realty Corporation, Lebovic				
	West Whitby Landowners	Enterprises Limited and Mattamy (Brock	Seaton Landowners Group	Seaton Landowners Group	Seaton Landowners Group
	Group	Road) Limited	(Note 3)	(Note 3)	(Note 3)
	\$	\$	\$	\$	\$
Balance as at January 1, 2021	16,318,066	419,041	38,182,641	72,559,754	27,333,450
Residential	160,637	-	-	-	-
Commercial	40,422	-	-	-	-
Residential/Non-residential (Note 2)	_		74,041,779	7,563,990	13,079,960
Total Credits Granted	201,059	<u>-</u>	74,041,779	7,563,990	13,079,960
Residential Commercial	5,066,602	-	4,224,354	3,006,033	3,529,053
Total Credits Used	5,066,602	-	4,224,354	3,006,033	3,529,053
Balance as at December 31, 2021	11,452,523	419,041	108,000,066	77,117,711	36,884,357

#### Notes:

- (1) Section 12 of O. Reg 82/98 (Treasurer's Statement) requires information about development charge credits. Credits are granted upon approval of Council Reports or upon installation of servicing and are used as Subdivision Agreements are signed or as building permits are issued.
- (2) Credits granted will be applied to residential or non-residential development based on the Seaton Phase 1 Regional Infrastructure Front Ending Agreement.
- (3) All credits granted to Seaton Landowners Group are indexed annually on July 1 as provided in the Seaton Phase 1 Regional Infrastructure Front Ending Agreement.



The Regional Municipality of Durham

Works Department

# Memorandum

Date: June 24, 2022

To: Regional Chair Henry and Members of Regional Council

From: Jenni Demanuele, CPA, CMA, Acting Commissioner, Works

**Copy:** Elaine Baxter-Trahair, Chief Administrative Officer

Gioseph Anello, M.Eng., P.Eng., PMP, Director, Waste

**Management Services** 

**Subject: Durham York Energy Centre** 

Quarterly (Q1 - 2022) Long-Term Sampling System Report

The attached report provides details with respect to data related to the Long-Term Sampling System (LTSS) at the Durham York Energy Centre (DYEC), referred to as the AMESA system, for the first quarter of 2022.

This report includes AMESA data collected from January 5, 2022, to March 4, 2022, and is structured as follows:

- 1. Sections 1 and 2 provide background;
- 2. Sections 3 to 8 provide specific quarterly AMESA data;
- 3. Section 9 provides ambient air data for the same time period; and
- 4. Section 10 responds to inquiries received during the quarter.

#### **End of Memo**

Attachment: DYEC LTSS Quarterly (Q1 - 2022) Report

(January 5, 2022, to March 4, 2022)



# Durham York Energy Centre Long-Term Sampling System Quarterly (Q1) Report January 2022 to March 2022

Prepared by

The Regional Municipality of Durham

# **Table of Contents**

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#### 1. Introduction

This report provides additional details with respect to the reporting of data related to the Long-Term Sampling System (LTSS) at the Durham York Energy Centre (DYEC).

This report covers the first quarter of 2022 and includes AMESA data collected from January 5, 2022, to March 4, 2022. The DYEC commenced the Spring maintenance outage on March 5, 2022.

# 2. Background

To meet the requirements of Environmental Compliance Approval (ECA) Condition 7(3), a continuous sampling system (the Adsorption Method for Sampling Dioxins and Furans (AMESA) LTSS), is installed on each of the two boilers at the DYEC to sample Dioxins and Furans.

The operation of the AMESA system was initiated in 2015 and has been maintained in accordance with current guidance from the AMESA manufacturer, the North American vendor ENVEA, and the AMESA Technical Manual.

The AMESA system is used only for the purpose stated in ECA Condition 7(3), which relates to Dioxins and Furans emissions trend analysis and evaluation of Air Pollution Control equipment performance. The AMESA results themselves do not constitute a compliance point for the facility operations.

ECA Condition 7(3), Testing, Monitoring and Auditing Long-Term Sampling for Dioxins and Furans, states:

(a) The Owner shall develop, install, maintain, and update as necessary a long-term sampling system, with a minimum monthly sampling frequency, to measure the concentration of Dioxins and Furans in the Undiluted Gases leaving the Air Pollution Control (APC) Equipment associated with each Boiler. The performance of this sampling system will be evaluated during the annual Source Testing programs in accordance with the principles outlined by 40 CFR 60, Appendix B, Specification 4.1

DYEC LTSS Quarterly (Q1) Report January to March 2022

<sup>&</sup>lt;sup>1</sup> 40 CFR Part 60 refers to the Code of Federal Regulations – Standards of Performance for New Stationary Sources

(b) The Owner shall evaluate the performance of the long-term sampling system in determining Dioxins and Furans emission trends and/or fluctuations as well as demonstrating the ongoing performance of the APC Equipment associated with the Boilers.

AMESA results are available at the site when requested by the Ministry of Environment, Conservation and Parks (MECP) and reported to the MECP as part of the Annual Report required by ECA Approval Condition 15 and posted to the DYEC website.

# 3. Cartridge Replacement Schedule

Boiler #	Run#	Start Date	End Date	Duration (days)
1	70	5-Jan-22	4-Feb-22	26
2	70	17-Jan-22	15-Feb-22	24
1	71	4-Feb-22	4-Mar-22	28
2	71	15-Feb-22	4-Mar-22	17

Note 1: The cartridge duration times may differ even though the start and end dates are the same for both boilers.

# 4. Laboratory Analysis

There were no issues identified with the AMESA sample cartridges or the analysis at the laboratory; however, the laboratory continues to experience delays in analysis and reporting.

# 5. Durham and York Regions and Covanta Monthly Data and Operations Review

Staff from Durham and York Regions meet with Covanta both weekly and monthly on an established scheduled to discuss facility operations, and to review environmental monitoring results, trends and calculations where required for all monitoring programs and the available AMESA results.

# 6. Oversight of AMESA Results

Durham and York Region staff and Covanta meet with the MECP on a quarterly basis to discuss all items pertinent to the ECA and the Environmental Monitoring Programs and facility operations. Any concerns which are not determined to be reportable incidents in accordance with the ECA are discussed along with day-to-day operations and monitoring.

Any events which the ECA deems reportable are done in accordance with the appropriate ECA condition.

Results of the AMESA LTSS are reported to the MECP in the DYEC Annual Reports and posted to the DYEC website. AMESA trends of validated data are presented as a 12-month rolling average together with an analysis to demonstrate the ongoing performance of the APC Equipment. The MECP has no concerns with the AMESA results detailed in the 2020 Annual Report as posted via this link: MECP Review of the DYEC 2020 Annual Report. The 2021 Annual Report has been posted to the website. There have been no comments to date from the MECP on this report.

#### 7. AMESA Performance

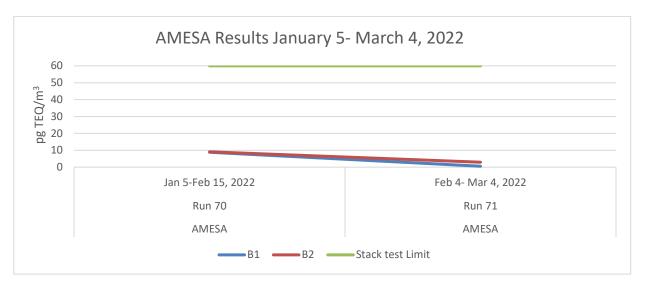
The measured concentrations for each of the 17 dioxin and furan congeners identified in the laboratory certificate of analysis are applied to established calculations to obtain a Calculated Result. These calculations quantify the Dioxins and Furans per reference metre cube of flue gas. Additionally, standard temperature, pressure and oxygen correction factors are also applied to the measured concentration to obtain a value for regulatory comparison. Finally, each of the 17 dioxin and furan congeners are multiplied by their respective toxic equivalency factor (TEF) and added together to obtain a total dioxin and furan total toxic equivalence (TEQ). The ECA for the DYEC specifies the use of the NATO classification scheme for Dioxins and Furans and therefore the NATO TEF factors are applied to obtain the TEQ calculation. The Table below shows each of the AMESA sampling Runs, the start and end time the cartridge was in-situ for each boiler, and the calculated result.

Unit #	Run#	Start Date	End Date	Calculated Result (pg TEQ/Rm³)
1	70	5-Jan-22	4-Feb-22	8.825
2	70	17-Jan-22	15-Feb-22	9.092
1	71	4-Feb-22	4-Mar-22	0.546
2	71	15-Feb-22	4-Mar-22	2.926

While AMESA has no regulatory limit associated for compliance as it is used to supplement stack testing, the ECA directs that, "The Owner shall evaluate the performance of the long-term sampling system in determining Dioxins and Furans emission trends and/or fluctuations as well as demonstrating the ongoing performance of the APC Equipment associated with the Boilers." The Regions, their Engineering

and Air Emissions oversight consultants and Covanta will continue to monitor DYEC performance as it relates to AMESA results and trends.

The DYEC commenced the Spring maintenance outage on March 5 to March 26, 2022, and therefore no AMESA sampling occurred during this period.

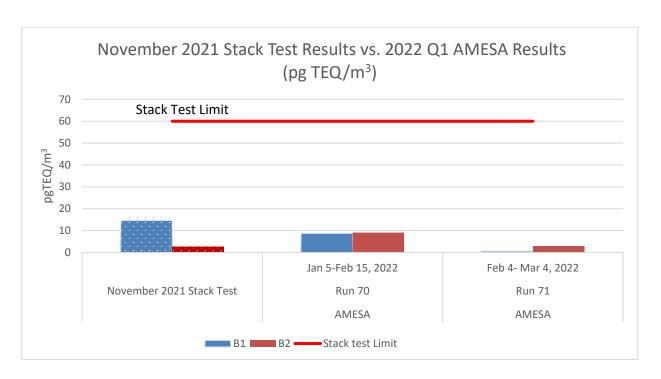


# 7.1 Investigation

There were no results which triggered the AMESA Investigation Checklist during Q1, 2022.

# 8. AMESA relative to most current Stack Testing Dioxin and Furan Results

As AMESA is not a compliance tool, it is presented in the chart below to show how the Q4 calculated values compare to the most current stack testing results. The stack test compliance limit for Dioxins and Furans is 60 pgTEQ/m3. The chart below shows the AMESA Q1, 2022 results as compared to the 2021 Fall stack test results. Preliminary results from the recent Fall stack test also indicate the Dioxins and Furans result was below the regulatory compliance limit.



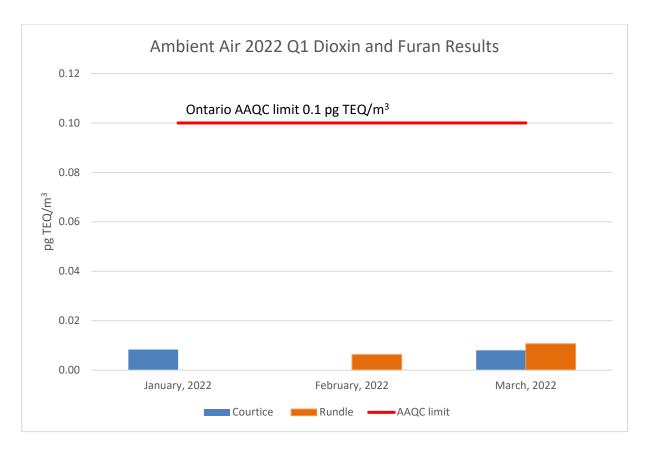
# 9. Ambient Air Dioxin and Furan Results - First Quarter (Q1) 2022

The Ambient Air Monitoring Program samples for Dioxins and Furans. The units of measurement and the reporting limits are prescribed differently and cannot be compared directly. Ambient Air does not measure point source emissions. The equipment samples air by capturing ambient air emissions from a variety of emissions sources in the area. The results of this monitoring advise on local air quality and may suggest contributing factors based on meteorological conditions such as wind speed and direction.

As can be seen in the graph below, the dioxin and furan results measured from both ambient air stations in the program are well below the Ontario Ambient Air Quality Criteria of 0.1 picogram Toxic Equivalency per cubic metre (pgTEQ/m³) during the first quarter (Q1) of 2022.

There were no ambient air Dioxin and Furan sample results for Rundle Road in January and Courtice Road in February 2022 due to insufficient sample volume as a result of power loss experienced at the stations which stopped the sampler.

Note: Ontario Ambient Air Quality Criteria is 10 times lower than the Ontario Regulation 419 Upper Risk Threshold of 1 pgTEQ/m³ for Dioxins and Furans.



# 10. Durham York Energy Centre Inquiries

A letter dated June 11, 2021, addressed to Lisa Trevisan, MECP Director, Central Region and copied to Durham Region Council was received from three residents with concerns around the AMESA Long-Term Sampling System.

A response has not been received from the MECP to date.

At a meeting held on July 5, 2021, the Council of the Municipality of Clarington passed Resolution #C-266-21 in relation to the Long-Term Sampling System for the monitoring of Dioxin and Furan emissions (AMESA) from the DYEC. As a result of the Resolution, a letter dated July 9, 2021, was sent to the MECP York Durham District Manager.

A response has not been received from the MECP to date.

#### **End of Report**



# **Interoffice Memorandum**

Date: June 24, 2022

To: Health & Social Services Committee

From: Dr. Robert Kyle

Health Department

Subject: Health Information Update - June 19, 2022

Please find attached the latest links to health information from the Health Department and other key sources that you may find of interest. Links may need to be copied and pasted directly in your web browser to open, including the link below.

You may also wish to browse the online Health Department Reference Manual available at Board of Health Manual, which is continually updated.

Boards of health are required to "superintend, provide or ensure the provision of the health programs and services required by the [Health Protection and Promotion] Act and the regulations to the persons who reside in the health unit served by the board" (section 4, clause a, HPPA). In addition, medical officers of health are required to "[report] directly to the board of health on issues relating to public health concerns and to public health programs and services under this or any other Act" (sub-section 67.(1), HPPA).

Accordingly, the Health Information Update is a component of the Health Department's 'Accountability Framework', which also may include program and other reports, Health Plans, Quality Enhancement Plans, Durham Health Check-Ups, business plans and budgets; provincial performance indicators and targets, monitoring, compliance audits and assessments; RDPS certification; and accreditation by Accreditation Canada.

Respectfully submitted,

Original signed by

R.J. Kyle, BSc, MD, MHSc, CCFP, FRCPC, FACPM Commissioner & Medical Officer of Health

"Service Excellence for our Communities

# UPDATES FOR HEALTH & SOCIAL SERVICES COMMITTEE June 19, 2022

# **Health Department Media Releases/Publications**

# tinyurl.com/33smtrfj

Health Neighbourhoods 4.0 released (Jun 9)

#### tinyurl.com/5b44bsua

Durham Region Weekly Beach Report (Jun 9)

#### tinyurl.com/32ukrahu

Durham Region Weekly Beach Report (Jun 16)

#### **GOVERNMENT OF CANADA**

#### **Canadian Food Inspection Agency**

#### tinyurl.com/yc6h2nvp

Statement from Minister Duclos on World Food Safety Day 2022 (Jun 7)

# **Employment and Social Development Canada**

# tinyurl.com/4s4cumka

Minister Khera announces launch of Age Well at Home initiative (Jun 8)

# **Environment and Climate Change Canada**

# tinyurl.com/4zbkcy7e

• Canadian Environmental Week 2022: Statement from the Minister of Environment and Climate Change, the Honourable Steven Guilbeault (Jun 10)

# **Health Canada**

# tinyurl.com/4m7d9w7u

• Government of Canada proposes to print health warnings on individual cigarettes (Jun 10)

#### tinyurl.com/mw7uduzw

Statement from Health Canada on Decommissioning COVID Alert (Jun 17)

#### tinyurl.com/2r438u8u

• Government of Canada proposes new disclosure requirements on vaping product sales and ingredients (Jun 17)

#### **Indigenous Services Canada**

#### tinyurl.com/44cswf65

Indigenous Services Canada COVID-19 monthly update – June 2022 (Jun 6)

# <u>Innovation, Science and Economic Development Canada</u> tinyurl.com/54a7va39

 New laws to strengthen Canadians' privacy protection and trust in the digital economy (Jun 16)

#### **Prime Minister's Office**

# tinyurl.com/y4735uen

 Prime Minister announces nomination of Philippe Dufresne as Privacy Commissioner of Canada (Jun 8)

### tinyurl.com/2p8ktzwt

• Prime Minister strengthens partnerships on climate action, democracy, gender equality, economic growth at the Summit of the Americas (Jun 10)

# tinyurl.com/2k59txsh

 Prime Minister supports climate action initiatives at Major Economies Forum (Jun 17)

# **Public Health Agency of Canada**

#### tinyurl.com/r2683en

 Message from the Parliamentary Secretary to the Minister of Health and the Parliamentary Secretary to the Minister of Sport for Stroke Awareness Month (Jun 6)

# tinyurl.com/mtypnbmj

 Government of Canada invests \$10 million to support mental health through the Canadian Red Cross (Jun 16)

#### tinyurl.com/5xrrvx45

Statement from the Chief Public Health Officer of Canada on June 17, 2022

# **Transport Canada**

#### tinyurl.com/3zv39x5r

• Government of Canada continues to work with airports and air carriers to reduce traveller wait times (Jun 8)

#### tinyurl.com/4t7tr8cn

 Minister of Transport Canada announces new regulations to fine companies or individuals who violate the Motor Vehicle Safety Act (Jun 15)

#### **Treasury Board of Canada Secretariat**

#### tinyurl.com/2z7x8vsw

 Suspension of the vaccine mandates for domestic travellers, transportation workers and federal employees (Jun 14)

#### **GOVERNMENT OF ONTARIO**

#### **Ministry of Health**

#### tinyurl.com/3jnavypb

Most Masking Requirements to be Lifted on June 11 (Jun 8)

#### **OTHER ORGANIZATIONS**

# **Association of Local Public Health Agencies**

# tinyurl.com/2bw7d8js

• 2021 Annual Report (Jun 13)

#### **AstraZeneca**

#### tinyurl.com/2p9d3j2h

 Partnership for Healthcare System Sustainability and Resilience launches in Canada (Jun 7)

# Canadian Association of Physicians for the Environment (CAPE) tinyurl.com/255p5hch

 Canadian doctors call for tobacco-style ban on fossil fuel advertising in Canada (Jun 8)

# **Canadian Medical Association**

#### tinyurl.com/5n6hrnbj

 No going backward: Canada must prepare now for an uncertain future – and do its far share globally (Jun 10)

# Canadian Partnership Against Cancer

#### tinyurl.com/2p8n956y

 New report calls for urgent focus on cancer care following COVID-19 pandemic disruptions (Jun 15)

#### **Food Banks Canada**

#### tinyurl.com/nnkrkprm

 New Food Banks Canada Research Shows 7 Million Canadians Report Going Hungry (Jun 6)

# **Nuclear Waste Management Organization**

#### tinyurl.com/44j2djma

 The NWMO completes successful engineering demonstration, marking major safety and technical achievement (Jun 6)

# tinyurl.com/3w2kv3mz

 The NWMO releases Confidence in Safety reports for potential siting areas for used nuclear fuel repository (Jun 16)

# Office of the Information and Privacy Commissioner/Ontario tinyurl.com/29yrs9wm

 Information and Privacy Commissioner Re-Affirms Call for Ontario Private Sector Privacy Law (Jun 14)

# Office of the Information Commissioner of Canada tinyurl.com/nh5dc57h

 Dramatic increase in the number of complaints submitted to the Office of the Information Commissioner of Canada (OIC) in 2021-22 (Jun 15)

Social Sciences and Humanities Research Council of Canada tinyurl.com/4pvw5fjf

• Government of Canada invests in over 800 projects to advance social sciences and humanities research (Jun 16)



If this information is required in an alternate format, please contact the Accessibility Co-ordinator at 905-623-3379 ext. 2131

June 21, 2022

The Honourable Doug Ford, M.P.P.

Premier of Ontario

Via Email: <a href="mailto:premier@ontario.ca">premier@ontario.ca</a>

	ervices Department Services Division
Date &	June 21, 2022
Received:	10:53 am
Original To:	CIP
Copies To:	
Take Appropriate Action File	
Notes/Comments:	

To Premier Ford:

**Re:** Free Public Transportation on Election Days

File Number: PG.25.06

At a meeting held on June 20, 2022, the Council of the Municipality of Clarington approved the following Resolution #GG-224-22:

That the following resolution from the City of Cambridge, regarding Request to the Region of Waterloo to Consider Free Public Transportation on Election Days, be endorsed by the Municipality of Clarington:

Whereas there has been an overall and consistent decline in voter turnout for municipal, provincial, and federal elections in Canada and in Waterloo Region, despite the act of voting being essential to the proper functioning of the democratic process;

And whereas many residents struggle to access transportation to polling stations on election days, due to a lack of transportation available, physical mobility or accessibility issues, and/or socioeconomic status;

And whereas any initiative to boost attention and incentives to vote on election days warrants attention and exploration in order to assist the democratic process and increase voter turnout;

Now therefore be it resolved that correspondence be sent to the Region of Waterloo on behalf of Cambridge Council to request free public transportation on election day for the Municipal and School Board Election, as well as for the Provincial, and Federal Election days, so as to generate more attention about elections and polling station locations, and

to encourage and make it possible for more residents to vote, that would otherwise be unable to access their polling stations.

Yours truly,

John Paul Newman Deputy Clerk

JPN/cm

c: The Honourable Todd McCarthy, M.P.P., Durham – <u>Todd.McCarthy@pc.ola.org</u> The Honourable David Piccini, M.P.P., Northumberland-Peterborough South - <u>david.piccini@pc.ola.org</u>

Alexander Harras, Regional Clerk, The Regional Municipality of Durham - clerks@durham.ca

Danielle Manton, City Clerk, City of Cambridge – <a href="mailto:mantond@cambridge.ca">mantond@cambridge.ca</a> Association of Municipalities of Ontario (AMO) - <a href="mailto:amo@amo.on.ca">amo@amo.on.ca</a>



Corporate Services Department  Legislative Services Division		
Date & Time	June 21, 2022	
Received:	8:39 am	
Original To:	CIP	
Copies To:		
Take Appropriate Action File		
Notes/Comments:	·	

# **Board of Directors**

Meeting No. BOD-05-22

9:00 a.m.

# **Agenda**

# **Meeting Location:**

To be held virtually by Zoom

Minutes and agendas are available at <a href="https://www.LSRCA.on.ca">www.LSRCA.on.ca</a>

# **Upcoming Events**

# **Board of Directors' Meeting**

Friday, July 22<sup>nd</sup> at 9:00 a.m. To be held virtually by Zoom

# Lake Simcoe Conservation Foundation 33rd Annual Dinner

Wednesday, June 22<sup>nd</sup> at 6:00 p.m.

The Manor at Carrying Place Golf and Country Club

# Lake Simcoe Conservation Foundation 4th Annual Invitational Golf Tournament

Monday, August 22<sup>nd</sup> at 9:00 a.m.

The Nest Golf Club

#### **Annual Conservation Awards**

Tuesday, October 11<sup>th</sup> @ 6:00 p.m. Newmarket Old Town Hall

A full listing of events can be found at www.LSRCA.on.ca



# I. Acknowledgement of Indigenous Territory

# II. Declarations of Pecuniary Interest and Conflicts of Interest

# III. Approval of Agenda

Pages 1 - 5

**Recommended: That** the content of the Agenda for the June 24, 2022 meeting of the Board of Directors be approved as presented.

# IV. Adoption of Minutes

a) Board of Directors

Pages 6 - 13

Included in the agenda is a copy of the minutes of the Board of Directors' Meeting, No. BOD-04-22, held on Friday, April 22, 2022.

**Recommended**: **That** the minutes of the Board of Directors' Meeting, No. BOD-04-22, held on Friday, April 22, 2022 be approved as circulated.

b) Conservation Ontario Council

Pages 14 - 24

Included in the agenda is a copy of the minutes of Conservation Ontario Council's Annual General Meeting held Monday, April 11, 2022.

**Recommended**: **That** the minutes of Conservation Ontario Council's Annual General Meeting held Monday, April 11, 2022 be received for information.

#### V. Announcements

#### **VI. Presentations**

a) Phosphorus Decoupling Investigation in Lake Simcoe

Pages 25 - 27

The Conservation Authority's Limnologist, Dr Brian Ginn, will provide a presentation regarding an update on the phosphorus decoupling project investigating ecological changes in Lake Simcoe. This presentation will be provided at the meeting and available on the Conservation Authority's website following the meeting.

**Recommended**: That the presentation by Limnologist, Dr Brian Ginn, regarding an update on the phosphorus decoupling project be received for information.



Included in the agenda is Staff Report No. 20-22-BOD regarding the phosphorus decoupling project investigating ecological changes in Lake Simcoe.

**Recommended: That** Staff Report No. 20-22-BOD regarding an update on the decoupling investigation in Lake Simcoe be received for information.

#### b) 2023 Budget Assumptions

Pages 28 - 32

General Manager, Corporate and Financial Services/CFO, Mark Critch, will provide a presentation on the Conservation Authority's 2023 Budget Assumptions. This presentation will be provided at the meeting and available on the Conservation Authority's website following the meeting.

**Recommended**: That the presentation by General Manager, Corporate and Financial Services/CFO, Mark Critch, on the Conservation Authority's 2023 Budget Assumptions received for information.

Included in the agenda is Staff Report No. 21-22-BOD regarding the Conservation Authority's 2023 Budget Assumptions.

**Recommended: That** Staff Report No. 21-22-BOD regarding the Conservation Authority's recommended budget assumptions for the 2023 fiscal year be approved.

# VII. Hearings

There are no Hearings scheduled for this meeting.

#### VIII. Deputations

There are no Deputations scheduled for this meeting.

#### IX. Determination of Items Requiring Separate Discussion

(Reference Pages 4 and 5 of the agenda)

#### X. Adoption of Items Not Requiring Separate Discussion

# XI. Consideration of Items Requiring Separate Discussion

#### XII. Closed Session

The Board will move to Closed Session to deal with a confidential human resources matter.

**Recommended: That** the Board move to Closed Session to deal with a confidential human resources matter; and





**Further that** the Chief Administrative Officer, members of the Executive Leadership Team, and the Chief of Staff remain in the meeting for the discussion.

The Board will rise from Closed Session and report findings.

**Recommended: That** the Board rise from Closed Session and report findings.

#### a) Conservation Awards Recipients

Confidential Staff Report No. 26-22-BOD will be sent to Board members prior to the meeting.

**Recommended: That** Confidential Staff Report No. 26-22-BOD regarding the recipients of the 2022 Conservation Awards be received; and

**Further That** the recommendations contained within the Confidential Staff Report be approved.

#### b) Confidential Land Matter

Confidential Staff Report No. 27-22-BOD will be sent to Board members prior to the meeting.

**Recommended: That** Confidential Staff Report No. 27-22-BOD regarding an update on a Confidential Land Matter be received for information.

#### c) Confidential Land and Human Resources Matter

Confidential Staff Report No. 28-22-BOD will be sent to Board members prior to the meeting.

**Recommended: That** Confidential Staff Report No. 28-22-BOD regarding a Confidential Land and Human Resources matter be received for information.

#### XIII. Other Business

#### **Next Meeting**

The next meeting of the Board of Directors will be held on Friday, July 22, 2022 at 9:00 a.m. This meeting will be held via Zoom, access details to be provided prior to the meeting.

#### XIV. Adjournment

# **Agenda Items**

#### 1. Correspondence

Page 33 - 34

a) Lake Simcoe Region Conservation Authority's letter to the Province regarding Conservation Authority Land Transfer in the Town of Georgina; and



b) Lake Simcoe Region Conservation Authority's letter to the Province regarding Holland Marsh Treatment Facility Funding.

**Recommended: That** Correspondence Items a) and b) be received for information.

2. Requirement for Exception Request under section 17(1.3) of the Conservation Authorities Act for the Current Chair and Vice-Chair of the Board of Directors

Pages 35 - 37

**Recommended: That** Staff Report No. 22-22-BOD regarding the requirement for an exception request for the current Chair and Vice Chair of the Board of Directors be received; and

**Further That** the Board of Directors Request the Minister of Environment, Conservation and Parks to grant an exception under Section 17(1.3) of the Conservation Authorities Act for Chair Wayne Emmerson and Vice-Chair Peter Ferragine to continue in their Board roles for 2022.

3. CAA Transition Plan Quarterly Report

Pages 38 - 41

**Recommended: That** Staff Report No. 23-22-BOD regarding the Conservation Authority Transition Quarterly Progress Report No. 1 be received; and

**Further that** the June 2022 Conservation Authority Transition Quarterly Progress No. 1 be approved for submission to the Ministry of Environment, Conservation and Parks.

4. Offsetting Program Results – Reconciliation to December 31, 2021

Pages 42 - 47

**Recommended: That** Staff Report No. 24-22-BOD regarding an update on the Conservation Authority's Offsetting Cash in Lieu funds and Key Performance Indicators be received for Information.

5. Appointment of Enforcement Officer(s) under the Conservation Authorities Act

Pages 48 - 50

**Recommended: That** Staff Report No. 25-22-BOD regarding the appointment of Ashley Page as a Provincial Offences Officer with the Lake Simcoe Region Conservation Authority under Section 28 of the Conservation Authorities Act be approved.

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

# The Regional Municipality of Durham

#### **MINUTES**

#### **DURHAM REGION ANTI-RACISM TASKFORCE**

# **Thursday, May 26, 2022**

A meeting of the Durham Region Anti-Racism Taskforce was held on Thursday, May 26, 2022 in the Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby, Ontario at 7:03 PM. Electronic participation was permitted for this meeting.

# 1. Traditional Territory Acknowledgment

Chair Lee read the following land acknowledgement:

We are currently located on land which has long served as a site of meeting and exchange among the Mississaugas Peoples and is the traditional and treaty territory of the Mississaugas of Scugog Island First Nation. We honour, recognize and respect this nation and Indigenous Peoples as the traditional stewards of the lands and waters on which we meet today.

#### 2. Roll Call

Present: Councillor Lee, Regional Councillor, Chair

- F. Ahmed, Community Member, Vice-Chair
- S. Bookal, Community Member
- S. Caibaiosai, Industry/Association/Public Institution Representative PG Case, Industry/Association/Public Institution Representative
- S. Dave, Community Member
- T. Hancock, Community Member
- C. Oyeniran, Community Member
- N. Samuel, Industry/Association/Public Institution Representative
- K. Vieneer, Community Member
- J. Williamson, Industry/Association/Public Institution Representative
- G. Wilson-Beier, Community Member

Absent: E. Baxter-Trahair, Chief Administrative Officer

- L. Francis, Community Member J. Munawa, Community Member
- Z. Pickering, Community Member

Staff

Present: A. Hector-Alexander, Director, Diversity, Equity, and Inclusion

P. Hines, Manager, Diversity, Equity, and Inclusion

H. Mohammed, Policy Coordinator, Diversity, Equity, and Inclusion

A. Sharma, Policy Advisor, Diversity, Equity and Inclusion

R. Inacio, Systems Support Specialist, Corporate Services - IT

K. Smith, Committee Clerk, Corporate Services – Legislative Services

#### 3. Declarations of Interest

There were no declarations of interest.

# 4. Adoption of Minutes

Moved by F. Ahmed, Seconded by PG Case,

That the minutes of the Durham Region Anti-Racism Taskforce meeting held on Thursday, April 28, 2022, be adopted.

**CARRIED** 

# 5. Delegations

There were no delegations to be heard.

#### 6. Presentations

A) Meera McDonald, Chair, Clarington's Diversity Advisory Committee and Co-Chair, Clarington's Anti-Black Racism Subcommittee, re: Update on Diversity and Anti-Racism Initiatives in Clarington

Meera McDonald, Chair of Clarington's Diversity Advisory Committee and Co-Chair of Clarington's Anti-Black Racism Subcommittee, provided a PowerPoint presentation with regards to an Update on Diversity and Anti-Racism Initiatives in Clarington.

Highlights of the presentation included:

- Clarington's Diversity Advisory Committee and Anti-Black Racism Subcommittee
- Our Work
  - Land Acknowledgment Statement
  - Statement condemning racism
  - o Advocacy re: Symbols of Hate
  - Community engagement
  - Supported gender diversity initiative
- Focus of Work
  - o Partnerships and Collaborations
  - Durham Regional Police Services Community Safety Council (East Division)
  - o Inclusive Spaces Policy
  - Recognitions and Celebrations
- Support
  - Symbols of Hate
    - Background in Clarington
    - Action Taken
    - Future Direction
  - Collaboration and Consistency
  - Resources to address concerns of Racism & Discrimination

- M. McDonald stated that the Clarington Diversity Advisory Committee is an advisory board for Clarington Council which provides advice, comments, and recommendations on issues that affect diversity in the community, foster awareness, reduce barriers, promote inclusion, and engage residents. She also stated that the Anti-Black Racism Subcommittee is a liaison between the community and the Diversity Advisory Committee and their focus is to develop strategies to address anti-Black racism and other forms of discrimination in the community.
- M. McDonald stated that the Diversity Advisory Committee was formed in 2018 as a response to the growing diversity in the community. She also stated that they create an annual workplan which includes initiatives from committee members and requests for guidance from the community or municipality related to diversity and inclusion. She reviewed some of the work completed by the Committee in recent years.
- M. McDonald is requesting the following of the Durham Region Anti-Racism Taskforce:
  - To support their work by recommending that Regional Council support the same advocacy;
  - When there is an opportunity / vacancy on the Durham Region Anti-Racism Task Force, that representation from Clarington be included in the membership to ensure their issues and concerns are discussed by the group; and
  - To ensure consistency across the Region, to request support from the Durham Region Anti-Racism Task Force to be able to address and provide resources for Clarington residents.
- M. McDonald responded to questions with regards to addressing symbols of hate and supporting residents; and if there is any development regarding jurisdiction with the Ontario Human Rights Commission.
- B) Jaihun Sahak, Durham Children's Aid Society, re: Child Welfare Redesign Strategy

Jaihun Sahak of the Durham Children's Aid Society provided a PowerPoint presentation with regards to the Child Welfare Redesign Strategy.

Highlights of the presentation included:

- Kasserian Ingera
- The Focus
- The Outcomes for Families
- Systemic Outcomes
- Co-Design
- Co-Create

- Co-Produce
- Co-Deliver
- J. Sahak stated that Durham Children's Aid Society (CAS) has launched an urgent response model to the child welfare redesign called Kasserian Ingera. He stated that the main focus of the redesign is to transform children and family services to strengthen families and communities by prevention, early intervention, and finding more permanent homes for children and youth that cannot stay in their own homes or communities.
- J. Sahak stated that the strategy is designed so that the outcome for families is less intrusive, their voices are being heard, they are being connected with families, communities and cultures, and ensuring that children, youth and families are being supported in their communities. J. Sahak provided various examples of calls that were heavily biased towards marginalized or racialized communities and reviewed how the redesign seeks successful outcomes for the child welfare system.
- J. Sahak advised that Durham CAS has reached out to Durham Region to focus resources on addressing the over-representation of Black and Indigenous children in the child welfare system. He also advised that consultations were set up with the community and internally with their own staff, youth, foster parents and caregivers, and executive directors and staff from service providers to understand what is causing the over representation within the system.
- J. Sahak stated that a number of Black-led agencies within Durham were invited to propose how they would proceed with the project and advised that the request for proposal from Ifarada Centre of Excellence was accepted. J. Sahak advised that upon initial contact with Durham CAS, families identifying as Black or bi-racial will be given the opportunity to receive service from Ifarada or stay with Durham CAS to ensure the best outcomes for the families.
- J. Sahak advised that the goal is to replicate the model across all of Ontario. He added that the project is a three-year pilot that will be going through a robust evaluation process from the beginning. He stated that Durham CAS has partnered with an evaluator that has worked on the One Vision One Voice project and the University of Toronto will also be a part evaluator.
- J. Sahak responded to questions with regards to receiving push back from the community; the number of Black foster parents and whether there are enough to help the Black children in care; closing the loop of accountability on the organization; education for non-racialized people who are caring for racialized children; potential internal resistance to the model and how it was approached; addressing having Black children placed in Black family homes; education available to those who have a duty to report on how the new model will work moving forward; how the information for the new model is being provided to the Indigenous and Black communities; and how the new model will assist youth when they age out of the program.

#### 7. Information Items

There were no information items.

#### 8. Discussion Items

# A) <u>DRART Infographic</u>

Hanna Mohammed shared an infographic that was put together by the graphic design team outlining the milestones of the Durham Region Anti-Racism Taskforce and that can be shared online to show members of the public what the taskforce has implemented since its inception. At the request of H. Mohammed, members of the committee provided their feedback on the infographic.

H. Mohammed advised that the communications team will develop social media products that can be shared with the community and advised that the social media products will be provided to members of the committee.

# B) <u>DRART Letter of Support for Racialized Ukrainian Immigrants</u>

Councillor Lee read the draft Letter of Support for Racialized Ukrainian Immigrants to committee members which would be sent out by Councillor Lee on behalf of the Durham Region Anti-Racism Taskforce.

A. Hector-Alexander advised that the letter would be provided to members of the committee and requested their feedback. Discussion ensued with regards to members of Provincial parliament, other diversity communities, and all municipalities in Ontario being copied on the letter.

# C) <u>Sub-Working Group Updates</u>

- 1. Create an Anti-Racist Practices Standard for a Varity of Sectors Including the 8 Local Municipalities
  - J. Williamson provided the following update:
    - The sub-working group has been working on having a consistent document through the academic, healthcare, and business sectors on how to report anti-racist practices and removing duplicate processes.
- 2. Support Anti-Racism Education in Schools

K. Vieneer advised that the sub-working group has not had an opportunity to meet since the last meeting.

3. Create a Durham Region Anti-Racism Hub

Councillor Lee provided the following update:

- The sub-working group has been compiling the contact information of all the Durham Region diversity groups that are currently in existence and stated that it is a key facet for the hub.
- There has been discussion regarding creating a common language between the subcommittees and all Durham Region municipalities as it would be more productive if the taskforce and Region were speaking in a common language.
- There has been brainstorming on ways to appeal to community members, such as by creating videos on different topics and connecting it to the hub.

# 4. Education for the Broader Community

# F. Ahmed provided the following update:

- The excel spreadsheet has been cleaned up to ensure the information presented is streamlined, and the main focus is on Black, Indigenous, and 2SLGBTQI+ communities.
- The sub-working group is hoping to get assistance from the students in terms of validating the information and seeking consent from organizations to post their information on our websites.
- She provided the following updates on the tabs on the excel spreadsheet:
  - Prepared a list of speakers to utilize to bring different lens and perspectives to the conversation.
  - Prepared a list of organizations from within and outside Durham Region that focus on Black, Indigenous, and 2SLGBTQI+ communities.
  - Prepared a list of potential funding opportunities from the Federal government, with the potential of Provincial and Municipal funding.
  - Topics have been broken up into key areas and subtopics for speakers and different areas to explore.
  - o Prepared a calendar of events
  - Prepared a community mapping tool to allow for community members to search for services and organizations.
- S. Caibaiosai advised that the sub-working group is proposing to hold an annual cultural event in Durham Region in partnership with other community partners, leaders, educators, businesses, and service organizations to host local vendors, artisans, performers and cultural food makers.

A. Hector-Alexander responded to questions with regards to the event being facilitated by Durham Region and the timelines for preparing for such an event.

A. Hector-Alexander advised that the Diversity, Equity and Inclusion Division has two students that are available to assist the subcommittee groups where needed.

# 9. Other Business

# A) <u>Traditional Territory Acknowledgment</u>

Discussion ensued with regards to modifying the current Traditional Territory Acknowledgment that is read at the beginning of Durham Region Anti-Racism Taskforce meetings.

# 10. Date of Next Meeting

The next regularly scheduled Durham Region Anti-Racism Taskforce meeting will be held on Thursday, June 30, 2022 at 7:00 PM in the Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby.

# 11. Adjournment

Moved by K. Vieneer, S	Seconded by C. Oyeniran,
That the meeting	ng be adjourned.
	CARRIED

The meeting adjourned at 8:57 PM	
Respectfully submitted,	
Councillor Lee, Chair	
K. Smith, Committee Clerk	