



The Regional Municipality of Durham

Finance & Administration Committee Agenda

Council Chambers
Regional Headquarters Building
605 Rossland Road East, Whitby

Tuesday, March 9, 2021

9:30 AM

Please note: In an effort to help mitigate the spread of COVID-19, and to generally comply with the directions from the Government of Ontario, it is requested in the strongest terms that Members participate in the meeting electronically. Regional Headquarters is closed to the public, all members of the public may [view the Committee meeting](#) via live streaming, instead of attending the meeting in person. If you wish to register as a delegate regarding an agenda item, you may register in advance of the meeting by noon on the day prior to the meeting by emailing delegations@durham.ca and will be provided with the details to delegate electronically.

1. Roll Call

2. Declarations of Interest

3. Adoption of Minutes

A) Finance & Administration Committee meeting – February 9, 2021 Pages 4 - 21

4. Statutory Public Meetings

There are no statutory public meetings

5. Delegations

5.1 John Colligan, Durham Resident re: NSF Water Billing Charge

5.2 Colin Thomson, Commodore, PARA Marine Search & Rescue re:
2021 Community, Government and Corporate Awareness Update on
Activities and Support

6. Presentations

There are no presentations

7. Administration

7.1 Correspondence

7.2 Reports

- A) 2021 Climate Change Update and Corporate Climate Change Action Plan (2021-A-3) 22 - 52

[Link to Attachment #1 Durham Region Corporate Action Plan](#)

- B) The Regional Municipality of Durham's Accessibility Advisory Committee's 2020 Annual Report and 2021 Workplan (2021-A-4) 53 - 60

- C) Appointment of the Regional Fire Coordinator and Deputy Fire Coordinator (2021-A-5) 61 - 62

8. Finance

8.1 Correspondence

8.2 Reports

- A) The Remuneration and Expenses in 2020 of Members of Regional Council and Regional Council Appointees to Local Boards, as Required by Section 284(1) of the Municipal Act, 2001, S.O. 2001, c. 25 (2021-F-6) 63 - 71

9. Advisory Committee Resolutions

9.1 Durham Region Roundtable on Climate Change

- A) Unflood Ontario: Call to Action Resolution 72

Recommendation: Approval and subsequent recommendation to Regional Council

10. Confidential Matters

There are no confidential matters to be considered

11. Other Business

12. Date of Next Meeting

Tuesday, April 13, 2021 at 9:30 AM

13. Adjournment

Notice regarding collection, use and disclosure of personal information:

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

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

The Regional Municipality of Durham

MINUTES

FINANCE & ADMINISTRATION COMMITTEE

Tuesday, February 9, 2021

A regular meeting of the Finance & Administration Committee was held on Tuesday, February 9, 2021 in the Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby, Ontario at 9:30 AM. Electronic participation was offered for this meeting.

1. Roll Call

Present: Councillor Foster, Chair
Councillor Collier, Vice-Chair
Councillor Ashe
Councillor Drew
Councillor Leahy
Councillor Mulcahy
Councillor Nicholson
Regional Chair Henry
*** all members of Committee, except Councillor Foster, participated electronically**

Also

Present: Councillor Carter
Councillor Chapman
Councillor Crawford
Councillor Dies
Councillor Highet
Councillor Kerr
Councillor Marimpietri
Councillor McLean
Councillor Mitchell
Councillor Joe Neal
Councillor Pickles
Councillor Schummer
Councillor Smith
Councillor Wotten

Staff

Present: E. Baxter-Trahair, Chief Administrative Officer
D. Beaton, Commissioner of Corporate Services
N. Taylor, Commissioner of Finance
B. Bridgeman, Commissioner of Planning and Economic Development
S. Danos-Papaconstantinou, Commissioner of Social Services

W. Holmes, General Manager, DRT
J. Hunt, Regional Solicitor/Director of Legal Services, Corporate Services – Legal
R. Inacio, Systems Support Specialist, Corporate Services - IT
R.J. Kyle, Commissioner and Medical Officer of Health
N. Pincombe, Director, Business Planning & Budgets
N. Prasad, Committee Clerk, Corporate Services – Legislative Services
T. Rollauer, Interim Chief, DRPS
S. Siopis, Commissioner of Works
R. Walton, Regional Clerk/Director of Legislative Services
T. Fraser, Committee Clerk, Corporate Services – Legislative Services

Moved by Councillor Leahy, Seconded by Councillor Collier,
(7) That the order of the Agenda be altered to consider Confidential Report #2021-A-2 at this time.

CARRIED

11. Confidential Matters

11.1 Reports

A) Confidential Report of the Commissioner of Corporate Services – Labour Relations/Employee Negotiations (2021-A-2)

Confidential Report #2021-A-2 from D. Beaton, Commissioner of Corporate Services, was received.

Moved by Councillor Mulcahy, Seconded by Councillor Ashe,
(8) That we recommend to Council:

That the recommendations contained in Confidential Report #2021-A-2 of the Commissioner of Corporate Services be adopted.

CARRIED

2. Declarations of Interest

There were no declarations of interest.

3. Adoption of Minutes

Moved by Regional Chair Henry, Seconded by Councillor Ashe,
(9) That the minutes of the regular Finance & Administration Committee meeting held on Tuesday, January 12, 2021, be adopted.

CARRIED

4. **Statutory Public Meetings**

There were no statutory public meetings.

5. **Delegations**

5.1 Susan deRyk, Executive Vice President, Chief Transformation Officer, Lakeridge Health re: Lakeridge Health Master Plan Capital

Susan deRyk, participating electronically, appeared before the Committee with respect to the Lakeridge Health Master Plan Capital. A copy of her presentation was distributed electronically to the Committee.

S. deRyk advised that they are in attendance to make a formal request for Regional support of their master plan activities across Durham Region to enhance, expand and redevelop their health care services within the Region.

S. deRyk advised that today they have 820 inpatient beds and the plan is for 1793 inpatients beds in 2041/2042. She also advised that this includes expansion at Bowmanville Hospital, building a new hospital, renovating and expanding Ajax Pickering Hospital, and further renovations at Oshawa, Whitby and Port Perry Hospitals.

S. deRyk provided an overview of the development sequencing, which starts with redevelopment of the Bowmanville Hospital, a new hospital, redevelopment and expansion of Ajax Pickering Hospital, followed by renovations at Whitby, Oshawa and Port Perry Hospitals.

S. deRyk further advised that since their delegation in December 2020, the Province has provided a \$2.5 million planning grant to support detailed planning for the Bowmanville Hospital redevelopment and expansion. She also advised that they have engaged a consultant team and the process will include broad based consultation with internal and external stakeholders. She also provided an overview of the Ministry planning process.

S. deRyk concluded by advising that Lakeridge Health is requesting funding and support through the Community Investment Grant Policy. She advised that they are requesting up to \$37.5 million for the Bowmanville Hospital expansion and redevelopment. They are also requesting up to \$200 million to support the development of a new hospital and expansion and redevelopment of the Ajax Pickering Hospital which will likely be required in 2028-2030. She further requested that the Bowmanville Hospital request be included in the 2021 budget and the long-term request for \$200 million be included in future years.

S. deRyk responded to questions.

Moved by Councillor Collier, Seconded by Councillor Leahy,
(10) That the funding request from Lakeridge Health be referred to Report
#2021-F-5 of the Commissioner of Finance.

CARRIED

6. Presentations

There were no presentations to be heard.

7. Administration

7.1 Correspondence

There were no communications to consider.

7.2 Reports

There were no Administration reports to consider.

8. Finance

8.1 Correspondence

There were no communications to consider.

8.2 Reports

There were no Finance reports to consider.

9. Business Plan and Budget Review and Property Tax Study

9.1 Presentations

A) Elaine Baxter-Trahair, Chief Administrative Officer, Nancy Taylor, Commissioner of Finance, and Nicole Pincombe, Director, Business Planning and Budgets, re: The 2021 Regional Business Plans and Budgets for Property Tax Purposes, including General Purpose, Solid Waste Management and Durham Region Transit (2021-F-5) and 2021 Strategic Property Tax Study (2021-F-4)

E. Baxter-Trahair, N. Taylor and N. Pincombe provided a detailed PowerPoint presentation on the 2021 Regional Business Plans and Budgets and 2021 Strategic Property Tax Study. A copy of their presentation was distributed electronically to the Committee. Highlights from the presentation included:

- Overview
 - 2021 Budget Overview and Priorities
 - Public Engagement

- Budget Overview
 - Assessment Growth
 - Assessment Base Composition
 - Provincial Assessment and Taxation Policy Changes
 - Assessment at Risk
 - Regional Property Tax Supported Budget
 - 2021 Regional Property Taxes – Average Home
 - 2021 Regional Property Tax Impacts
 - 2021 Capital Budget and Nine-Year Forecast
 - Use of Reserves and Reserve Funds
 - 2021 Base Pressure
 - Line-by-Line Review
 - COVID-19 Pandemic Temporary Impacts
 - Economic Prosperity
 - Environmental Sustainability
 - Social Investments
 - Community Vitality
 - Service Excellence
- Summary
 - Future Budget Pressures
 - Risks and Uncertainties

The Committee recessed at 10:48 AM and reconvened at 10:59 AM.

Staff responded to questions with respect to the Community Investment Grant funding request from Lakeridge Health; the Community Investment Grant funding request from Grandview Children’s Centre; the Healthcare Institution Reserve Fund; the decrease in the industrial property tax class; the new optional small business property tax subclass; and proposed new positions and 2022 annualization.

9.2 Correspondence

- A) Memorandum from the Transit Executive Committee, re: 2021 Durham Region Transit Business Plans and Budgets (2021-DRT-04)

Moved by Councillor Leahy, Seconded by Councillor Ashe,

- (11) That Report #2021-DRT-04 from the General Manager of Durham Region Transit be referred to Report #2021-F-5 of the Commissioner of Finance.

CARRIED

- B) Memorandum from the Health & Social Services Committee, re: 2021 Health Department Business Plans and Budgets (2021-MOH-2)

Moved by Councillor Leahy, Seconded by Councillor Ashe,
(12) That Report #2021-MOH-2 from the Commissioner & Medical Officer of Health be referred to Report #2021-F-5 of the Commissioner of Finance.
CARRIED

- C) Memorandum from the Health & Social Services Committee, re: 2020 Social Services Department Business Plans and Budgets (2021-SS-1)

Moved by Councillor Leahy, Seconded by Councillor Ashe,
(13) That Report #2021-SS-1 from the Commissioner of Social Services be referred to Report #2021-F-5 of the Commissioner of Finance.
CARRIED

- D) Memorandum from the Planning & Economic Development Committee, re: 2021 Planning and Economic Development Department Business Plans and Budgets (2021-P-1)

Moved by Councillor Leahy, Seconded by Councillor Ashe,
(14) That Report #2021-P-1 from the Commissioner of Planning and Economic Development be referred to Report #2021-F-5 of the Commissioner of Finance.
CARRIED

- E) Memorandum from the Works Committee, re: 2021 Works Department General Tax and Solid Waste Management Business Plans and Budgets (2021-W-6)

Moved by Councillor Leahy, Seconded by Councillor Ashe,
(15) That Report #2021-W-6 from the Commissioner of Works be referred to Report #2021-F-5 of the Commissioner of Finance.
CARRIED

- F) Memorandum from the 9-1-1 Management Board, re: 9-1-1 Management Board 2021 Budget

Moved by Councillor Leahy, Seconded by Councillor Ashe,
(16) That the memorandum from the 9-1-1 Management Board regarding the 9-1-1 Management Board 2021 Budget be referred to Report #2021-F-5 of the Commissioner of Finance.
CARRIED

G) Memorandum from the Durham Regional Local Housing Corporation, re: 2021 Durham Regional Local Housing Corporation Business Plan and Budget

Moved by Councillor Leahy, Seconded by Councillor Ashe,
(17) That the memorandum from the Durham Regional Local Housing Corporation regarding the 2021 Durham Regional Local Housing Corporation Business Plan and Budget be referred to Report #2021-F-5 of the Commissioner of Finance.

CARRIED

9.3 Business Plans and Budgets

A) Conservation Authorities 2021 Business Plans and Budgets

The Committee reviewed the Conservation Authorities 2021 Business Plans and Budgets, including:

- Central Lake Ontario
- Kawartha Region
- Ganaraska Region
- Toronto and Region
- Lake Simcoe Region

B) Durham Regional Police Service 2021 Business Plans and Budgets

The Committee reviewed the Durham Regional Police Service 2021 Business Plans and Budgets.

C) Durham Region Transit 2021 Business Plans and Budgets

The Committee reviewed the Durham Region Transit 2021 Business Plans and Budgets.

D) Health 2021 Business Plans and Budgets

The Committee reviewed the Health 2021 Business Plans and Budgets, including:

- Public Health
- Paramedic Services

E) Social Services 2021 Business Plans and Budgets

The Committee reviewed the Social Services 2021 Business Plans and Budgets, including:

- Emergency Management and Program Support Services
- Social Assistance

- Children's Services
- Family Services
- Housing Services
- Long Term Care and Services for Seniors

Staff responded to questions with respect to the aging Durham Regional Local Housing Corporation portfolio and the possibility of including funding in 2021 for capital projects.

F) Planning & Economic Development 2021 Business Plans and Budgets

The Committee reviewed the Planning & Economic Development 2021 Business Plans and Budgets, including:

- Planning
- Economic Development and Tourism

G) Works 2021 Business Plans and Budgets

The Committee reviewed the Works 2021 Business Plans and Budgets, including:

- Works – General Tax
- Solid Waste Management

H) Finance & Administration 2021 Business Plans and Budgets

The Committee reviewed the Finance & Administration 2021 Business Plans and Budgets, including:

- Regional Council
- Regional Chair's Office
- Chief Administrative Officer
- Corporate Services
- Emergency 9-1-1 Telephone System
- Finance
- Corporate Items
- Durham Regional Local Housing Corporation

N. Taylor responded to questions with respect to the Business Education Tax reduction; the new optional small business property tax subclass; the New Multi-Residential property tax class ratio; the recommended 2021 budget and special contributions total; options for the Community Investment Grant funding request from Lakeridge Health; the prescribed statutory rate for nuclear generating facilities; GO Transit Development Charges and historical capital funding for GO Transit; increasing the allocation to the Community Investment Grant Program;

and the possibility of adding 0.02% to the proposed 2021 Business Plans and Property Tax Budgets for the Community Investment Grant Program.

9.4 Reports

A) 2021 Strategic Property Tax Study (2021-F-4)

Report #2021-F-4 from N. Taylor, Commissioner of Finance, was received.

Moved by Councillor Collier, Seconded by Regional Chair Henry,
(18) That we recommend to Council:

- A) That for the 2021 property taxation year, the municipal property tax ratios for the following property classes for the Regional Municipality of Durham be set as follows and the requisite by-law be prepared, and approval be granted:

Multi-Residential	1.8665
New Multi-Residential	1.1000
Landfill	1.1000
Pipelines	1.2294
Farmland	0.2000
Managed Forests	0.2500

Commercial Broad Class

(including Shopping Centres, Office Buildings, Parking Lots and Residual)

Occupied	1.4500
Vacant Land	1.4500
Excess Land	1.4500
On Farm	1.4500

Industrial Broad Class

(including Large Industrial and Residual)

Occupied	2.0235
Vacant Land	2.0235
Excess Land	2.0235
On Farm	2.0235

- B) That to achieve greater fairness and equity in the Current Value Assessment (CVA) system and property taxation policy, the Province be requested to:

- update the Provincial statutory rate applicable to nuclear generating facilities;
- institute an annual mechanism to ensure the rate continues to be updated in the future;

- redirect proxy property tax payments currently paid by the Region's two nuclear generating facilities to the Ontario Electricity Financial Corporation (OEFC) for the Ontario Hydro stranded debt to the host municipalities and the Region following retirement of the stranded debt; and
- ensure the education retained rate applied to provincial and federal properties frozen at 2020 rates be verified to remain at the higher rate for all such properties.

CARRIED

B) The 2021 Regional Business Plans and Budgets for Property Tax Purposes, including General Purpose, Solid Waste Management and Durham Region Transit (2021-F-5)

Report #2021-F-5 from N. Taylor, Commissioner of Finance, was received.

N. Taylor agreed to provide members of Council with an email advising of the potential impacts of adding an additional 0.02% to the proposed 2021 Business Plans and Property Tax Budgets for the Community Investment Grant Program prior to the February 24, 2021 Regional Council meeting.

Moved by Regional Chair Henry, Seconded by Councillor Collier,
(19) That we recommend to Council:

2021 General Purpose Property Tax Business Plans and Budgets

- A) That the 2021 Business Plans and Property Tax Budgets for General Purposes (excluding Durham Region Transit and Solid Waste Management) be approved, at a total net property tax requirement of \$615,753,000 as detailed within the 2021 Regional Business Plans and Budgets, including the body worn camera project through the Durham Regional Police Service, which are highlighted in Report #2021-F-5 of the Commissioner of Finance and summarized as follows:

	2021 Tax Requirements (\$000s)
Regional Operations	
i) Departmental Operations	329,239
ii) Regional Roads Reserve – Growth	12,549
iii) Regional Roads – Rehabilitation Reserve Fund	26,050
iv) Regional Bridges – Rehabilitation Reserve Fund	5,525
Total Regional Operations	373,363
Police Services:	
v) Police Services (aligned with Regional Guideline)	221,158
vi) Additional Request – Body Worn Cameras (year 1)	2,033
Total Police Services	223,191
vii) Conservation Authorities	8,752
Special Contributions:	
viii) Land Conservation and Protection Reserve Fund	374
Durham Region Community Investment Grant:	
ix) - Trent University - Durham	474
x) - Durham College – Whitby	667
xi) - Durham Region Community Investment Grant	3,269
Total Special Contributions	4,784
SUBTOTAL	610,090
xii) Deferral for Seaton Assessment Growth	5,271
xiii) Adjustment to Assessment Base (re: Assessment under appeal)	392
TOTAL GENERAL PROPERTY TAX PURPOSES	615,753

- B) That the 2021 Capital Program for General Property Tax Purposes (excluding Solid Waste, Durham Region Transit and Conservation Authorities' requirements), as outlined in Attachment 4 to Report #2021-F-5 and as further detailed within the 2021 Regional Business Plans and Budgets, in the amount of \$286,824,000 be approved, and the 2022 to 2030 Capital Forecast in the amount of \$1,916,291,000 be received for information purposes only and subject to future approvals;
- C) That financing for the 2021 Capital Program for General Property Tax Purposes as outlined in Attachment 4 to Report #2021-F-5 in the amount of \$286,824,000 be approved;

Contributions for Regional Roads and Bridges

- D) That a 2021 contribution of \$12,549,000 to the Regional Roads Reserve – Growth be authorized to allow for financing of Road Capital Construction Projects;
- E) That a 2021 contribution of \$26,050,000 to the Regional Roads Rehabilitation Reserve Fund be authorized to assist with roads rehabilitation requirements;
- F) That a 2021 contribution of \$5,525,000 to the Regional Bridges Rehabilitation Reserve Fund be authorized to assist with bridge rehabilitation requirements;

Durham Regional Local Housing Corporation

- G) That the 2021 Budget for the Durham Regional Local Housing Corporation be approved in the amount \$13,083,000;

Conservation Authorities

- H) That funding totalling \$6,275,802 for 2021 operations be approved for the Region’s five Conservation Authorities as summarized below:

Central Lake Ontario Conservation Authority	\$4,169,890
Kawartha Region Conservation Authority	661,887
Ganaraska Region Conservation Authority	517,363
Toronto and Region Conservation Authority	672,800
Lake Simcoe Region Conservation Authority	253,862

Total Conservation Authority Operations Funding \$6,275,802

- I) That funding totalling \$1,716,017 for 2021 special projects be approved for the Region’s Conservation Authorities as summarized below:

Kawartha Region Conservation Authority	\$147,322
Ganaraska Region Conservation Authority	238,657
Toronto and Region Conservation Authority	850,371
Lake Simcoe Region Conservation Authority	479,667

Total Conservation Authority Special Projects Funding \$1,716,017

- J) That funding totalling \$200,000 for 2021 land management expenditures be approved for properties within Durham Region as outlined below:

Central Lake Ontario Conservation Authority	\$85,000
Kawartha Region Conservation Authority	15,000
Ganaraska Region Conservation Authority	37,000

Toronto and Region Conservation Authority	41,000
<u>Lake Simcoe Region Conservation Authority</u>	<u>22,000</u>
<u>Total Conservation Authority Land Management Funding</u>	<u>\$200,000</u>

- K) That the Oak Ridges Moraine Groundwater Program (ORMGP) Initiatives be continued in 2021 at a funding level of \$175,000 for ongoing groundwater protection initiatives jointly funded with the City of Toronto, Region of York and Region of Peel;
- L) That the special funding requests as outlined below be approved subject to the accountability of project costs incurred and project completion:
- i) Central Lake Ontario Conservation Authority for phase three of five of the Restoration Program in the amount of \$150,000;
 - ii) Central Lake Ontario Conservation Authority for Lynde Shores CA Main Entrance \$80,000;
 - iii) Central Lake Ontario Conservation Authority Purple Woods CA Improvements \$25,000;
 - iv) Central Lake Ontario Conservation Authority Main Office HVAC (Year 1 of 3) \$40,000;
 - v) Kawartha Conservation Authority for phase two of two of the Watershed Planning project in the amount of \$27,500;
 - vi) Kawartha Conservation Authority for phase two of two for Website Design and Implementation in the amount of \$7,131;
 - vii) Kawartha Conservation Authority for phase two of five for the Digitization of Corporate Records in the amount of \$5,347;
- M) That the special funding requests as outlined below be approved subject to securing the remainder of the project funding from the National Disaster Mitigation Program, project completion, and accountability of project costs incurred:
- i) Central Lake Ontario Conservation Authority for NDMP – Lake Ontario Shoreline Damage Centres Risk Assessment in the amount of \$30,000;
 - ii) Central Lake Ontario Conservation Authority for NDMP – Flood Forecasting and Warning Improvements in the amount of \$19,750;
- N) That a contribution of \$374,000 to the Land Conservation and Protection Reserve Fund be authorized to assist in financing requests for funding received from the five Conservation Authorities to acquire environmentally sensitive lands within the Region, based on eligibility criteria per the approved Regional Land Acquisition Reserve Fund Policy;

Special Contributions

- O) That the third of three annual funding contributions to Trent University Durham for the expansion of Trent University Durham Campus be approved, up to a maximum amount of \$474,000 for 2021 with the required financing provided from the Durham Region Community Investment Grant envelope; and further that funds be released at the discretion of the Commissioner of Finance in accordance with the executed funding agreement and the accountability of capital costs;
- P) That the second of three annual funding contributions to Durham College – Whitby Campus be approved, up to a maximum amount of \$666,667 for 2021 with the required financing provided from the Durham Region Community Investment Grant envelope; and further that funds be released at the discretion of the Commissioner of Finance in accordance with the executed funding agreement and the accountability of capital costs;
- Q) That the request for Community Investment Grant funding from Grandview Children’s Centre, for up to a maximum of \$5,035,000 for the capital costs related to the construction of a new Children’s Treatment Centre in Ajax be approved as the request meets the required funding criteria for healthcare institutions set out in the Region’s Community Investment Grant Policy; and further that funding be drawn from the Durham Region Healthcare Institution Reserve Fund and disbursed at the discretion of the Commissioner of Finance subject to an executed funding agreement and accountability of capital costs;
- R) That the Regional Chair and Regional Clerk be authorized to execute the agreement with Grandview Children’s Centre for the contribution of the new Children’s Treatment Centre;
- S) That the request for Community Investment Grant funding from Lakeridge Health, for up to a maximum of \$37.5 million, for the capital costs related to the estimated \$500 million expansion of the Bowmanville Hospital be approved as the request meets the required funding criteria for healthcare institutions set out in the Region’s Community Investment Grant Policy; and further that the contribution be funded from the Durham Region Healthcare Institution Reserve Fund for distribution to Lakeridge Health at the discretion of the Commissioner of Finance subject to an executed funding agreement, the establishment of milestones, and accountability of capital costs;
- T) That the Regional Chair and Regional Clerk be authorized to execute the funding agreement with Lakeridge Health for the Regional contribution to the capital costs related to the Bowmanville Hospital expansion;

- U) That Region staff develop a long-term sustainable funding strategy in support of Lakeridge Health's ten-year master plan which includes the contribution of a new Greenfield Hospital and the redevelopment of the Ajax/Pickering Hospital for Council's consideration as part of the 2022 Business Plan and Budget;
- V) That the Region of Durham continue discussions with the Township of Scugog on potential financing options for advancing the Lake Scugog Enhancement Project;

Solid Waste Management 2021 Business Plan and Budget

- W) That the 2021 Business Plan and Budget for Solid Waste Management at a net property tax requirement of \$46,429,000 be approved as detailed in the 2021 Solid Waste Management Business Plan and Budget;
- X) That the 2021 Capital Program for Solid Waste Management, as outlined in Attachment 4 to Report #2021-F-5 and as further detailed within the 2021 Regional Business Plan and Budget for Solid Waste Management, in the amount of \$673,000 be approved, and the 2021 to 2029 Capital Forecast in the amount of \$248,022,000 be received for information purposes only and subject to future approvals;
- Y) That financing for the 2021 Capital Program for Solid Waste Management as outlined in Attachment 4 to Report #2021-F-5 in the amount of \$673,000 be approved;

Durham Region Transit 2021 Business Plan and Budget

- Z) That the 2021 Business Plan and Budget for Durham Region Transit be approved at a total net property tax requirement of \$64,392,000, as detailed in the 2021 Durham Region Transit Business Plan and Budget;
- AA) That the 2021 Capital Program for Durham Region Transit, as outlined in Attachment 4 to Report #2021-F-5 and as further detailed within the 2021 Regional Business Plans and Budget, in the gross amount of \$27,186,000 be approved, and the Capital Forecast for the period 2022 to 2030, totalling \$378,048,000 be received for information purposes only and subject to future approvals;
- BB) That financing for the 2021 Capital Program for Durham Region Transit, as outlined in Attachment 4 to Report #2021-F-5, in the gross amount of \$27,186,000 be approved;

Financial Management and Accountability

- CC) That the Listing of 2021 Regional Fees and Charges, as set forth in the 2021 Regional Business Plans and Budgets be approved and made available to the public and all applicable By-laws be amended accordingly;
- DD) That regarding historical capital funding of GO Transit, that no further tax levy support be set aside, and staff continue to forward GO Transit Development Charges collected only;
- EE) That the Regional Chair be authorized to send a letter to the Minister of Municipal Affairs and Housing, the Minister of Transportation, the Minister of Finance/President of the Treasury Board, and local MPPs requesting that the province allow all previously announced funding provided under both the Municipal Stream and the Transit Stream of the Safe Restart Program be eligible to be applied to COVID-19 related fiscal impacts beyond March 31, 2021;
- FF) That the Regional CAO and the Commissioner of Finance meet with the DRPS Chief and DRPS CAO to understand the scope of services currently shared by DRPS and the Region and explore further efficiencies between the two organizations;
- GG) That based upon the 2021 Regional Business Plans and Budgets as recommended herein, the Commissioner of Finance be authorized to set 2021 Regional Property Tax Rates for General Purposes, Solid Waste Management and Durham Region Transit and approval be granted for the requisite By-laws;
- HH) That for any Regional program change or capital expenditure included within the 2021 Regional Business Plans and Budgets which is proposed to be financed in whole, or in part, from Provincial/Federal subsidies, grants or related revenues, neither staffing, capital nor other related Regional expenditures can be committed until such time as adequate written confirmation is received from the respective provincial/federal ministry to commit to the subsidy, grant or related revenues (Finance and Administration Committee and Regional Council will be advised accordingly, consistent with the Regional Budget Management Policy);
- II) That funding totalling up to \$63,480 be approved for the Pickering Auxiliary Rescue Association with the funding to be provided from within the Finance Department's 2021 Business Plan and Budget to be administered by the Finance Department in consultation with the Durham Regional Police Service based upon services rendered;

- JJ) That funding totalling up to \$47,245 be approved for COMRA with the funding to be provided from within the Finance Department's 2021 Business Plan and Budget to be administered by the Finance Department in consultation with the Durham Regional Police Service based upon services rendered; and
- KK) That the reporting of the Impact of Excluded Expenses for tangible capital asset amortization, post-employment benefits and solid waste landfill closure/post-closure expenses be adopted, per requirements under the Ontario Regulation 284/09 of the Municipal Act, 2001 and the Public Sector Accounting Board (PSAB):

**ESTIMATED IMPACT OF EXCLUDED EXPENSES
ON ACCUMULATED SURPLUS
FOR THE 2021 BUSINESS PLANS AND BUDGETS ('000'S)**

	<u>2020</u>		<u>2021</u>		<u>Total</u> \$
	<u>Total</u> \$	<u>Property Tax</u> \$	<u>Water</u> \$	<u>Sewer</u> \$	
<u>PSAS Additions to Budget</u>					
Tangible Capital Asset Amortization	144,484	91,775	26,171	33,740	151,686
Post-Employment Benefit Expense	13,617	13,142	391	434	13,967
Landfill Closure Costs - Increase/(Decrease) in Liability	4,701	(5,214)			(5,214)
Transfers from Reserves and Reserve Funds	127,858	93,225	5,736	10,177	109,138
Total PSAB Additions	<u>290,660</u>	<u>192,928</u>	<u>32,298</u>	<u>44,351</u>	<u>269,577</u>
<u>PSAS Reductions to Budget</u>					
Gross Tangible Capital Assets Acquisitions	(486,354)	(237,526)	(81,242)	(96,917)	(415,685)
Less: Tangible Capital Asset Recoveries	71,722	-	-	15,673	15,673
Net Tangible Capital Asset Acquisitions	(414,632)	(237,526)	(81,242)	(81,244)	(400,012)
Debt Principal Payments	(16,974)	(12,095)	-	(694)	(12,789)
Transfers to Reserves and Reserve Funds	(134,827)	(102,159)	(8,908)	(25,102)	(136,169)
Contributed Tangible Capital Assets	(15,333)	(869)	(7,815)	(8,297)	(16,982)
Total PSAB Reductions	<u>(581,766)</u>	<u>(352,649)</u>	<u>(97,965)</u>	<u>(115,337)</u>	<u>(565,952)</u>
Net Impact - (Increase) to Accumulated Surplus	<u>(291,106)</u>	<u>(159,721)</u>	<u>(65,667)</u>	<u>(70,986)</u>	<u>(296,374)</u>

CARRIED

10. Advisory Committee Resolutions

There were no advisory committee resolutions to be considered.

11. Confidential Matters

11.1 Reports

- A) Confidential Report of the Commissioner of Corporate Services – Labour Relations/Employee Negotiations (2021-A-2)

This item was considered earlier in the meeting. Refer to page 2 of these minutes.

12. Other Business

12.1 February 24, 2021 Regional Council Meeting

It was requested that the Commissioner of Finance send an email to members of Council asking for questions and amendments related to the 2021 Business Plans and Budgets to be submitted prior to the February 24, 2021 Regional Council meeting.

13. Date of Next Meeting

The next regularly scheduled Finance & Administration Committee meeting will be held on Tuesday, March 9, 2021 at 9:30 AM in Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby.

14. Adjournment

Moved by Councillor Leahy, Seconded by Councillor Ashe,
(20) That the meeting be adjourned.
CARRIED

The meeting adjourned at 11:44 AM

Respectfully submitted,

A. Foster, Chair

T. Fraser, Committee Clerk



The Regional Municipality of Durham Report

To: Finance and Administration Committee
From: Chief Administrative Officer
Report: #2021-A-3
Date: March 9, 2021

Subject:

2021 Climate Change Update and Corporate Climate Action Plan

Recommendation:

That the Finance and Administration Committee recommends to Regional Council that it:

- A) Approve new short, medium, and long-term targets to reduce corporate greenhouse gas (GHG) emissions, namely:
- 20 per cent GHG emissions reduction by 2025, below 2019 levels,
 - 40 per cent GHG emissions reduction by 2030, below 2019 levels,
 - 100 per cent GHG emissions reduction by 2045, below 2019 levels.
- B) Approve the Durham Region Corporate Climate Action Plan which identifies how climate change considerations will be embedded across all elements of Regional business, included as Attachment #1, and as outlined in this report;
- C) Endorse 2025, 2030 and 2050 community GHG emissions targets, as outlined in this report;
- 10 per cent GHG emissions reduction by 2025, below 2019 levels,
 - 30 per cent GHG emissions reduction by 2030, below 2019 levels,
 - 100 per cent GHG emissions reduction by 2050, below 2019 levels.
- D) That a copy of this report and the Durham Region Corporate Climate Action Plan be sent to local area municipalities, the Ministry of Environment, Conservation and Parks, the Ministry of Energy Northern Development and Mines, Infrastructure Canada, Environment and Climate Change Canada, the Federation of Canadian Municipalities, and the Association of Municipalities of Ontario (AMO).

Report:**1. Purpose**

- 1.1 This report presents the Corporate Climate Action Plan (the Plan) for consideration and adoption. The Plan responds to Regional Council's declaration of a climate emergency in January 2020 and provides the framework required for Durham Region to reduce GHG emissions associated with Regional corporate operations.
- 1.2 The report includes:
- a. Updates for Regional Council on the results of the 2019 corporate GHG inventory, and progress in implementing the Region's corporate climate change initiatives since the 2018-2019 Climate Change Update Report to Council (Report #2019-A-34);
 - b. Recommended new short, medium, and long-term GHG emissions reduction targets for the Region of Durham's corporate operations;
 - c. A proposed Corporate Climate Action Plan, which identifies how climate change considerations will be embedded across all elements of Regional business;
 - d. Updates for Regional Council on the results of the 2018 community GHG inventory, and progress in implementing the Region's community climate change initiatives since the 2018-2019 Climate Change Update Report to Council; and
 - e. Recommended updates to short, medium, and long-term community GHG emissions reduction targets for the Region of Durham.

2. Background

- 2.1 Climate change is an unprecedented global social, economic, and environmental challenge. It poses a serious threat to quality of life, jobs and the physical and natural assets upon which Durham Region residents depend. There is broad scientific consensus that human induced GHG emissions in our atmosphere are on track to surpass critical thresholds and pose a significant risk to human well-being. If GHG emissions are not reduced soon, communities around the world are expected to be impacted by more floods, windstorms, heat waves, and wildfires which will erode social systems, impact natural resources, damage communities and ecosystems, and limit our ability to respond and recover.
- 2.2 Analysis conducted in 2019 as part of Durham's Future Climate Study indicates that Durham Region will not be immune to these climate impacts. Temperatures in Durham Region have already increased between 1 to 2°C since the middle of the

20th century and, under a “business as usual” trajectory, the warming trend is projected to continue. By the 2050’s, average annual temperatures are projected to rise by an estimated 3°C in Durham Region over mid-20th century levels, leading to a dramatic increase in extreme heat and precipitation events which will exacerbate existing health risks for vulnerable residents. Without mitigation measures, these conditions may disrupt critical infrastructure systems leading to economic impacts. Expected economic and environmental impacts underscore the urgency to address GHG emissions in Durham Region as part of the collective global effort to address the climate crisis.

- 2.3 Although current climate trends are alarming, there is great economic opportunity in advancing expeditiously towards a low-carbon future, including job creation, cost savings, air quality improvements, and more comfortable and durable buildings and infrastructure. Modelling conducted as part of the Durham Community Energy Plan’s low carbon pathway to 2050 indicated upwards of \$20 billion in cumulative energy cost savings from reduced energy consumption, and 210,000 direct person years of employment generated as a result of low carbon investments.¹

3. Previous Reports and Decisions

- 3.1 Regional Council declared a climate emergency in January 2020 for the purposes of naming, framing, and deepening our commitment to protecting our economy, our ecosystems, and our communities from climate change. This declaration was a key decision point in more than a decade of Regional Council decisions supporting the need to focus on climate action as a critical priority guiding Regional policy, investment, and operations.
- 3.2 In 2009, Regional Council:
- a. Unanimously adopted the position that: “Scientific evidence overwhelmingly supports the conclusion that human activities are fundamentally altering the conditions for life on earth. Climate change and associated global warming is recognized as a severe threat to global systems with the potential for catastrophic outcomes” (Report #2009-J-37); and,
 - b. Directed that corporate climate change initiatives be integrated into the Region’s Businesses Planning and Budgets, Asset Management, and Risk Management programs, processes, and reporting requirements.
- 3.3 In 2010, Regional Council adopted community GHG emission reduction targets consistent with the Intergovernmental Panel on Climate Change (IPCC) consensus on levels of decarbonization necessary to limit global warming to below 2°C and prevent catastrophic climate change (Report #2010-J-24):

¹ Durham Region (2019). *Durham Community Energy Plan*. Page 3. Available online: <https://www.durham.ca/en/citystudio/resources/Durham-Community-Energy-Plan-Part-1.pdf>

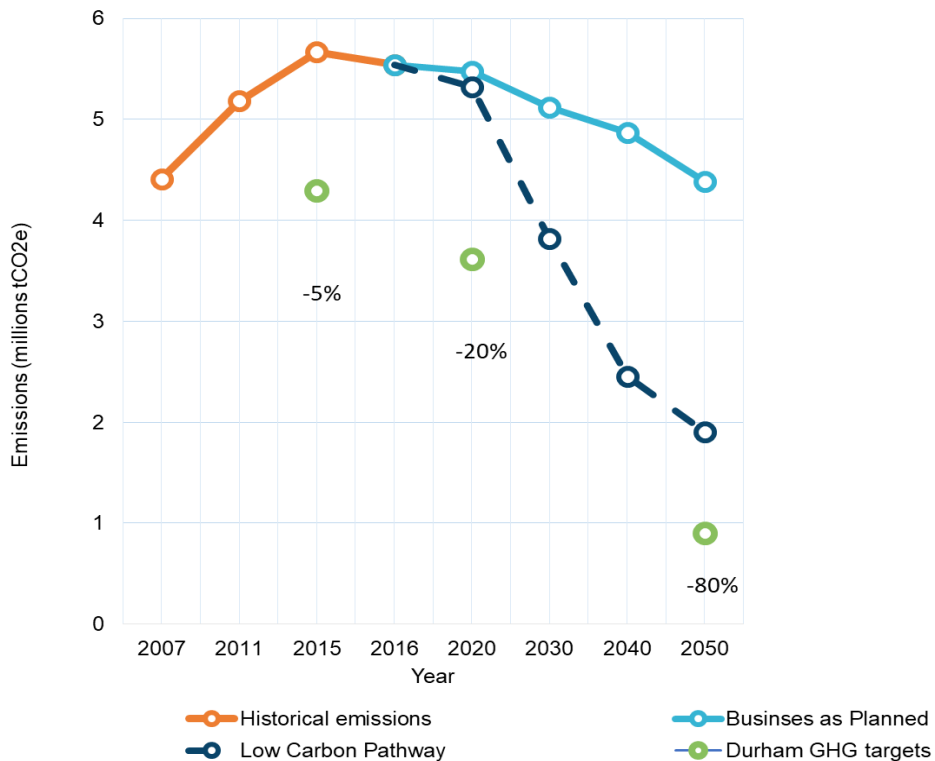
- 5 per cent below 2007 levels by 2015,
- 20 per cent below 2007 levels by 2020,
- 80 per cent below 2007 levels by 2050.

3.4 In 2011, Regional Council approved both the implementation of annual Climate Change Update reporting and a corporate climate change operational protocol to ensure a robust, repeatable, consistent, and verifiable corporate carbon footprint (2007 baseline) and the ongoing monitoring of climate change and the carbon implications of Regional programs, plans, and initiatives (Report #2011-J-26).

3.5 In 2012, Regional Council endorsed the Durham Community Climate Change Local Action Plan (LAP) (Report #2012-J-32) which established a long-term vision of “Durham Region is a carbon-neutral, sustainable, prosperous and resilient community with a high quality of life” and a mission to “work with our community to develop and advocate innovative policies, strategies and actions that address the threat of climate change.”

3.6 Implementation of programs outlined in the LAP was limited, as evidenced by Figure 1 showing the trend of community wide GHG emissions to 2016 against the targets adopted by Regional-Council in 2010 (shown as green dots).

Figure 1 - Durham Community-wide GHG emissions (Historical & Future Projections)



- 3.7 In 2014, Regional Council approved the Region's first Climate Five-year Adaptation Plan, subsequently updated through the Business Planning Cycle, including Asset Management Planning (Report #2014-J-1).
- 3.8 In 2016, Regional Council approved the Durham Community Climate Adaptation Plan which included 18 proposed programs across seven theme areas to address resilience to climate impacts (Report #2016-COW-103).
- 3.9 In 2019, Regional Council approved:
 - a. the Durham Community Energy Plan, which included a modelled Low Carbon Pathway based on the implementation of six priority programs (Report #2019-A-19). These two plans replaced the 2012 LAP as the guiding documents for community climate action in Durham Region, and;
 - b. the Region's Asset Management Policy, which commits to consideration of climate adaptation and mitigation as a key aspect of Asset Management Planning (Report #2019-COW-16).
- 3.10 In February 2020 Council directed staff to develop a Low Carbon Fleet Strategy, (Notice of Motion 9.1) as part of the Corporate Climate Action Plan.
- 3.11 In June 2020 Regional Council approved an investment plan for the \$5 million Climate Mitigation and Environmental Initiatives reserve fund, (Report #2020-A-14), as well as a proposed conceptual program design for the Durham Home Energy Savings Program (D-HESP) (Report #2020-A-12).

4. Corporate Energy and Emissions Update

- 4.1 Durham Region has taken concrete steps to reduce corporate GHG emissions since the last Climate Change Update Report was presented to Council in November 2019. Key initiatives of note include:
 - a. Investment in electric buses – As part of an electric bus pilot project Durham Region Transition (DRT) is developing specifications for battery electric buses and charging infrastructure, together with key project components such as training, re-tooling, software, and performance monitoring, all of which are essential steps to support the procurement of the vehicles in 2021 and to prepare for their launch in 2022. DRT staff plan to complete a full electric vehicle feasibility study in 2021 that addresses the facility infrastructure requirements, operating and financial impacts to transition to a fully electric vehicle fleet, including a multi-year vehicle acquisition plan.
 - b. Durham Regional Police Service – Successfully piloted hybrid pursuit vehicles in 2019 and have been procuring hybrid vehicles every year since.
 - c. Electric vehicle (EV) charging infrastructure – As part of a collaborative funding application with Whitby, Clarington, Ajax and Oshawa PUC Networks, the Region has been conditionally approved for \$160,000 in funding from

Natural Resources Canada (NRCan) for the installation of 32 Level 2 EV charging stations across 9 Regional facilities. Installation is expected to be complete by the end of 2021, enabling charging of electric vehicles in public spaces and community based GHG emissions reductions.² These new EV charging stations are in addition to the six EV chargers previously installed at Headquarters and one at DRT East.

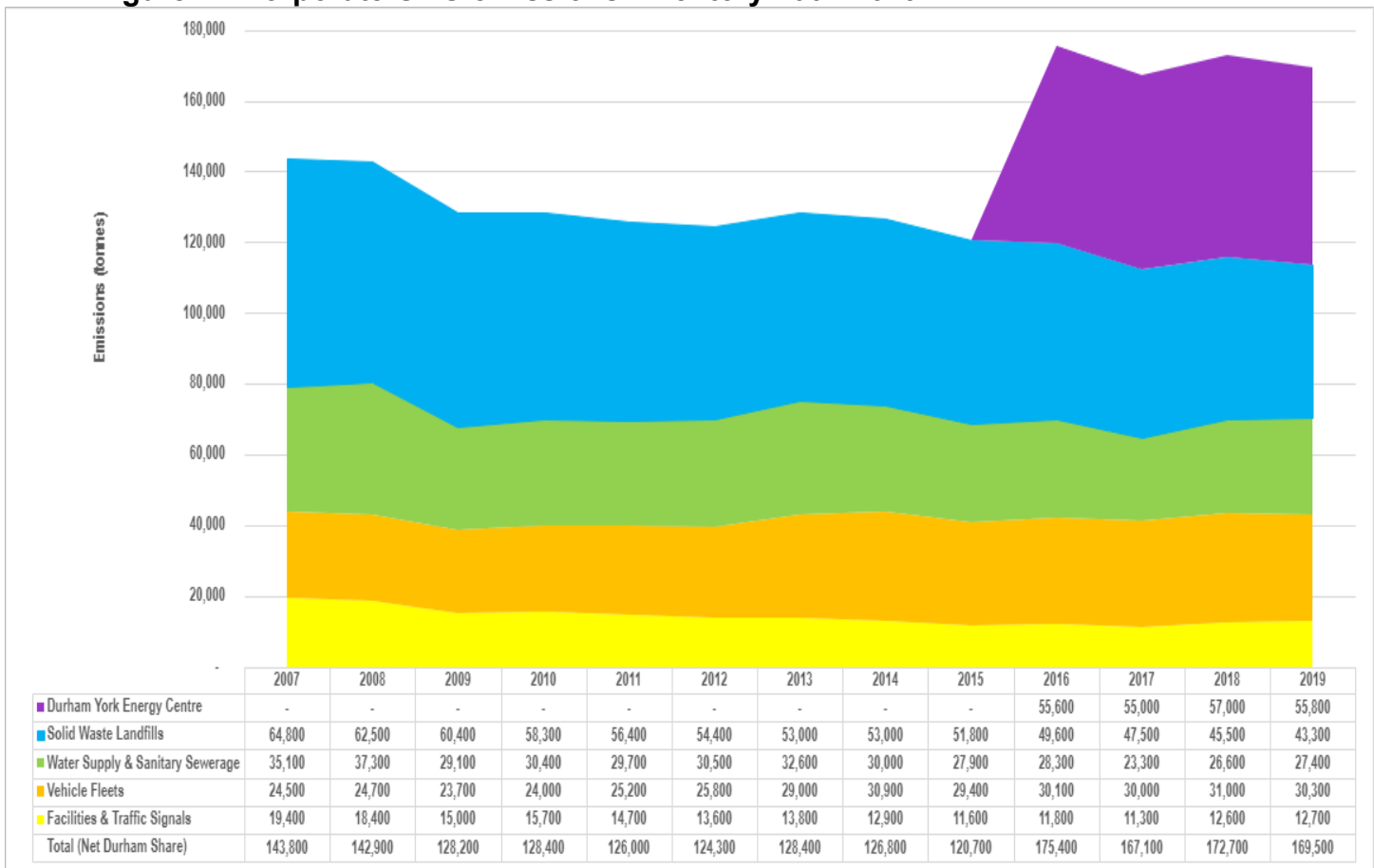
- d. Blackstock landfill mining pilot project - Mining at the Blackstock landfill was completed in January 2019, with final restoration including grading, planting and habitat creation completed in fall 2020. A total of approximately 30,000 metres cubed of waste was removed from the site (Report #2020-INFO-9). With the removal of waste from the site, the landfill GHG emissions from 2020 onward are now assumed to be zero.
- e. Facilities retrofits – 155 King St, Oshawa (DRLHC Seniors Building) – A comprehensive building envelope upgrade combined with low carbon mechanical systems is projected to reduce electricity consumption by 62 per cent. The retrofit is projected to reduce natural gas consumption by 80 per cent, resulting in GHG emissions reductions of 137 tonnes of CO₂e per year.
- f. New facilities – Works Department’s Design Construction and Asset Management (DCAM) Group completed preliminary low carbon designs on four new facilities that are planned to be delivered over the coming years:
 - Beaverton supportive housing project – this new facility is being planned to operate without fossil fuels which would be the first of its kind in the Regional portfolio. A high-performance envelope combined with high efficiency heating and cooling equipment and other interventions mean that this building is projected to operate at close to 20 per cent above Ontario Building Code (OBC) energy requirements. Staff are exploring opportunities for a rooftop solar PV system at the site which would produce close to 20 per cent of annual building energy needs.
 - Region of Durham Paramedic Services Station and Training Facility in Seaton – this facility is being designed with a geothermal heating and cooling system, as well as efficient ventilation, lighting and above-OBC levels of insulation. It is projected that the building’s energy consumption will be reduced by 36 per cent and GHG emissions by 71 per cent as compared to a similar building built to the OBC energy requirements. Staff are exploring the potential for rooftop solar PV generation which would further reduce energy demand and GHG emissions.
 - Clarington Police Complex (CPC) Phase 2 (two buildings) - CPC Phase 2 is being designed with a highly efficient building envelope, low carbon

² Total NRCan funding under the contribution agreement is \$296,408 for 60 EV charging stations across all co-applicant locations.

heating and cooling systems (including geothermal) and rooftop solar PV electricity generation. At a minimum, the design-based case specifications are required to meet OBC; however, design components were improved where possible. It is projected that these buildings will reduce energy consumption by approximately 35 per cent, GHG emissions by 70-80 per cent and energy costs by 55 per cent as compared to OBC minimum required performance.

- 4.2 Many of these investments are supported by capital funding available through the Region’s Climate Mitigation and Environmental Initiatives Reserve Fund, as well as leveraged funding from senior government sources, as outlined in Attachment #2 and #3.
- 4.3 An update of the Corporate GHG Inventory is provided in Figure 2. This graph provides historical corporate GHG emissions grouped by sector, noting the tonnes of carbon dioxide equivalent (tCO₂e) for 2007 to 2019. The preliminary 2019 data will serve as the baseline for evaluating future progress towards proposed corporate GHG emissions targets.

Figure 2 - Corporate GHG emissions inventory 2007-2019

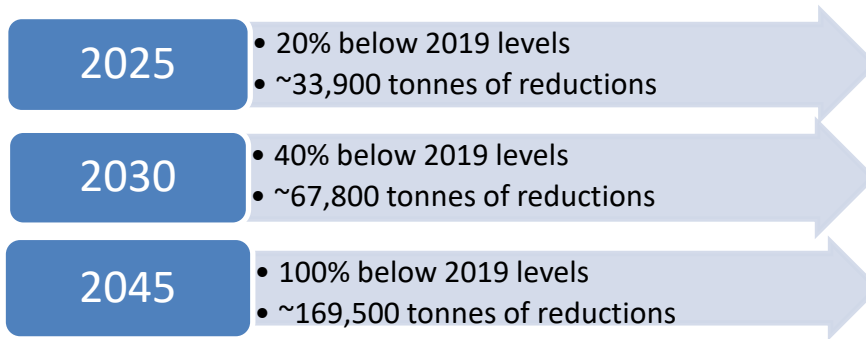


- 4.4 Overall, the corporation has made substantial progress with GHG reductions in key areas. From 2007 to 2015, the Region decreased GHG corporate emissions by 25,600 tCO₂e or 15.9 per cent, due to energy and fossil fuel avoidance as well as the provincial phase out of coal-powered plants in 2013-2014, which reduced corporate-wide electricity-related emission intensity.
- 4.5 With Durham York Energy Centre (DYEC) operations beginning in 2016, net corporate GHG emissions rose by 53,700 tCO₂e. However, it is critical to note that DYEC operations largely eliminated long-haul waste trucking to and disposal in distant landfill sites outside of the Region. The related emissions avoidance and reductions are not reflected in the corporate GHG inventory due to the chosen calculation methodology, including contracted third-party fleet and landfill emissions for managing Region-generated waste are not included in the Region's corporate GHG footprint. Further, landfills are not required to calculate and report on GHG emissions under the Ontario GHG reporting program. A lifecycle analysis completed by the Region estimates a net GHG reduction benefit associated with DYEC as compared to the landfill disposal alternative (see Attachment #4). Nonetheless, waste management operations present a long-term challenge for corporate decarbonization that will require innovative solutions.

5. Recommended Corporate GHG reduction targets

- 5.1 As part of Council's climate emergency declaration, staff were directed to establish recommended short-term, medium-term, and long-term GHG reduction targets for the Regional corporation that position Durham Region as a leader in the effort to reduce GHG emissions.
- 5.2 While emissions from Regional operations are a small percentage of overall GHG emissions in Durham Region (estimated at approximately three per cent of total), Regional capital investment and service provision plays a critical role in influencing community wide GHG emissions. Leading by example is necessary to set the pace, spur innovation, and catalyze community action. The Plan includes a long-term corporate target to achieve net zero emissions reductions by 2045. This target aligns with the federal government target as well as leading public and private sector organizations.
- 5.3 Figure 3 identifies the short- and medium-term targets that the Region would need to meet to stay on a trajectory to achieve the net zero by 2045 target. Numerical values are subject to change over time.

Figure 3 - Durham Region Corporate GHG emissions reduction targets



5.4 In support of this recommended reduction pathway, Regional staff have identified and are investigating potential short-term GHG emissions reduction opportunities to support achievement of the proposed 2025 target as outlined in Figure 4.

Figure 4 - Potential Short-term Corporate GHG Reduction Priorities to 2025

Operating Area	GHG Reduction Initiative(s)	Potential GHG reduction impact by 2025
Solid Waste	Internal utilization of renewable natural gas generation from anaerobic digestion and other Regional processes (e.g. sanitary sewerage)	0-7,500 tCO ₂ e
Solid Waste	Landfill biocover pilot	12,000 tCO ₂ e
Facilities	Deep energy retrofits of existing DRLHC buildings in corporate portfolio (155 King St., Oshawa, 850 Green St. Whitby, 655 Harwood Ave., Ajax, 315 Colborne St., Whitby, and 1910 Faylee Cres., Pickering)	1,000-2,000 tCO ₂ e
Fleet – Four Fleet Groups including Paramedics, Police, Transit, and Works	Pursue battery electric and hybrid electric vehicles for all corporate-owned fleets, where operationally feasible. With an estimated baseline of approximately 28,500 tCO ₂ e in 2019, this target represents a 7% to 14% GHG reduction by 2025.	2,000-4,000 tCO ₂ e
Total		15,000– 25,500 tCO₂e
GHG emissions reduction target		33,900 tCO₂e
% of target		44% to 75%

5.5 Assuming successful implementation of these potential opportunities, the Region will have achieved between 44 to 75 per cent of its 2025 target. The above initiatives as well as additional GHG emissions reduction opportunities will be identified through subsequent asset level decarbonization studies and be coordinated as part of the Annual Business Planning and Budget Cycle and Asset Management Plan and be subject to approval as part of the annual Business Plans and Budgets.

6. Corporate Climate Action Plan

6.1 The Corporate Climate Action Plan proposes a comprehensive approach to reducing GHG emissions from the Region's corporate operations.

6.2 As identified by the IPCC, significant action and investment are required in the next 10 years. The next five years are critical to putting Durham Region on the path to meet GHG emissions reduction targets. The Plan identifies a total of five priority actions for the next five years (2021-2025) that can be embedded into Regional operations:

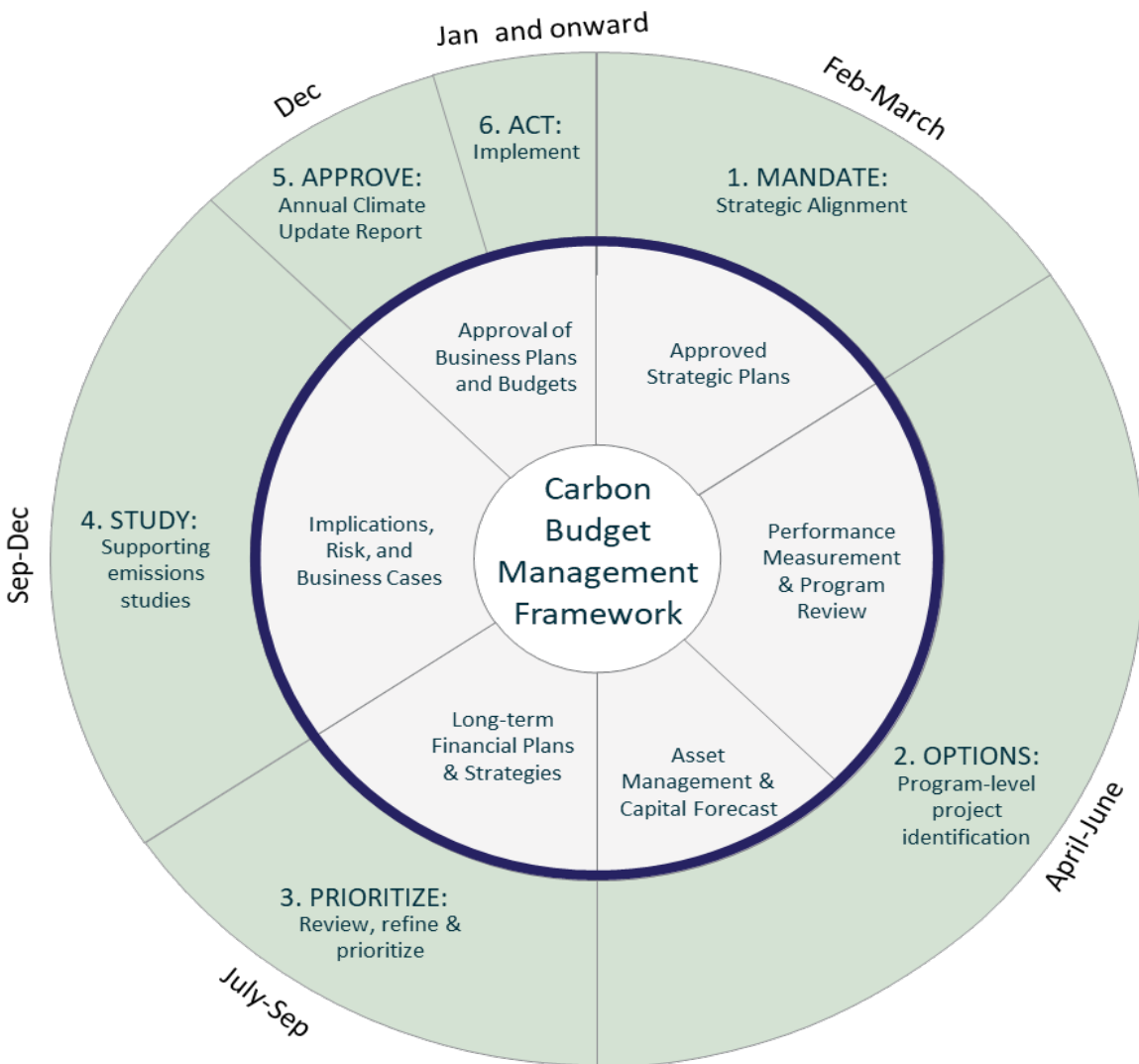
- a. Establish a carbon budget management framework that formalizes climate lens in capital investment planning and forecasting, and robust annual monitoring and reporting of progress against Council-approved targets.
- b. Implement a strategic governance framework to further build corporate capacity, align priorities, and share accountability in meeting the Region's targets.
- c. Continue to improve asset portfolio standards and policies in facilities and fleet to support systemic decarbonization; pursue viable pacesetter pilot projects across corporate GHG sectors to close the gap to near and mid-term corporate GHG targets (see Figure 4 above for examples).
- d. Continue to leverage senior government funding and consider innovative financing and risk management approaches as part of a corporate climate financing strategy, once related five-year operational and 10-year capital and operational plans are developed, assessed, and costed. Attachment #3 provides an overview of recently leveraged funding.
- e. As part of the revitalization of the Durham Strategic Energy Alliance (DSEA), lead the creation of a Corporate Energy Managers community of practice to share successes and lessons learned across Durham-based organizations with a low carbon or net zero mandate. Corporately, Regional staff can learn about local best practices, showcase successes, and potentially collaborate on green technologies.

6.3 The CCAP provides a framework for addressing climate mitigation and GHG reductions. Future iterations of the Plan will also integrate corporate climate

adaptation and resilience as part of a renewal of the Corporate Climate Adaptation Plan.

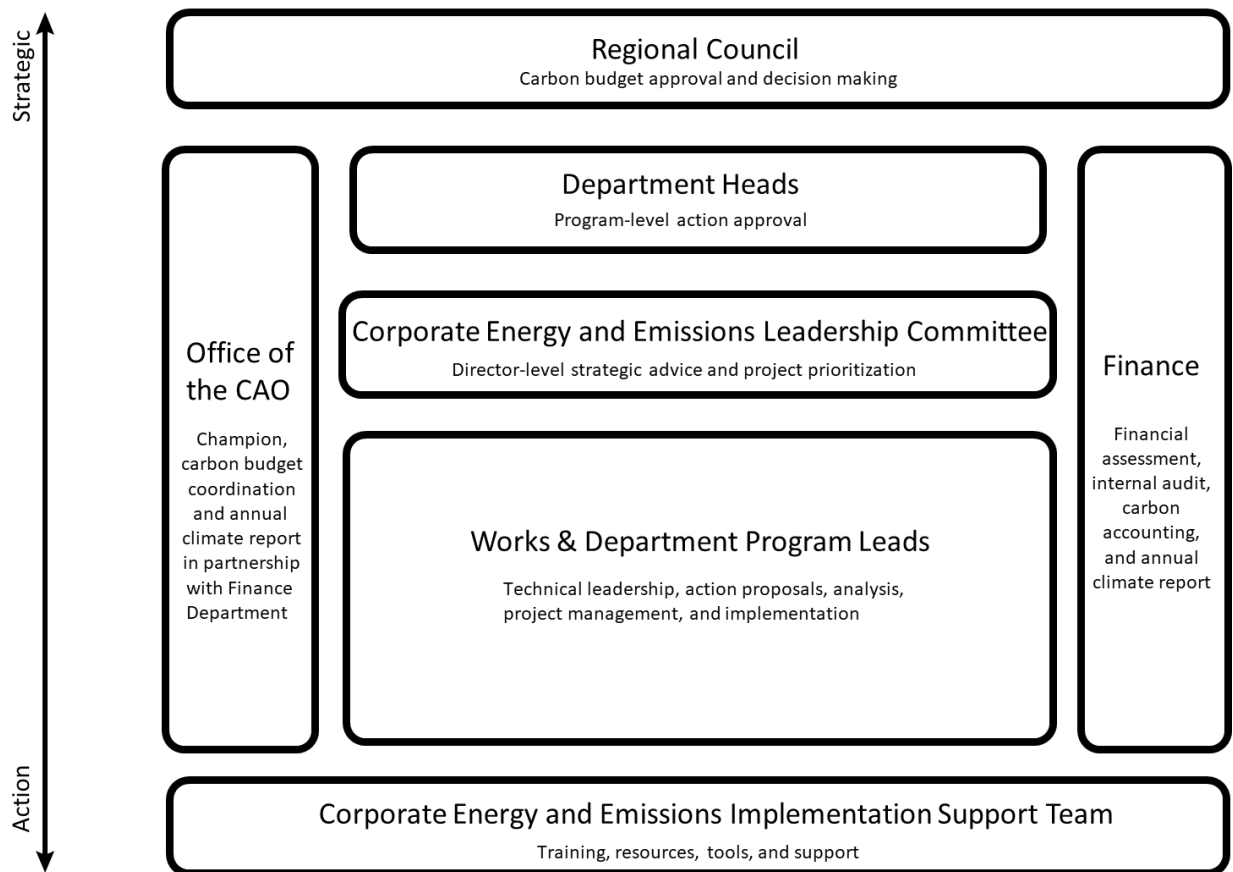
- 6.4 The Plan, provided in Attachment #1, includes the following key procedural elements:
- a. Corporate GHG emissions reduction targets outlined above in Section 0.
 - b. Carbon Budget Management Framework, designed to integrate with the annual business planning and budget cycle, as outlined in Figure 5 below and described in more detail in the attached Plan. While the carbon budget management framework is positioned as an annual process, it is recognized that most projects will likely require multiple years to plan, study, procure, design, and implement and therefore that realized emissions reductions will increase over time.

Figure 5 - Proposed Durham Carbon Budget Management Framework



- c. The governance structure of the Carbon Budget Management Framework including roles and responsibilities for Regional staff and Council, is outlined in Figure 6 below. Additional Regional staff resources will likely be required to fully implement the proposed governance structure, including technical expertise in Works department to manage low carbon facilities retrofits and fleet electrification infrastructure integration.

Figure 6 - Carbon Budget Implementation Governance Structure



6.5 In addition to these procedural and governance elements, the Plan provides recommendations on the decarbonization pathway for the Region’s fleet and facilities portfolios, including:

- a. Solid Waste – Building on the success of the 2018-2019 Blackstock Landfill mining project (see Section 4.1d) implement innovative landfill bio-cover pilot on the closed Oshawa landfill. Staff will continue to investigate the potential to utilize RNG as part of the Region’s natural gas purchases as a strategy for achieving material GHG emission reductions in Regional facilities. The investigation will consider RNG volumes, enabling framework, regulatory approval, associated agreements, financial implications and will be the subjective of future Council reports. Furthermore, staff will investigate opportunities to influence emissions related to contracted third party emissions associated with waste haulage.

- b. Facility retrofits – Prioritize deep energy retrofits for facilities with major equipment reaching end of life before 2030 and strive to carry out each action. Aligning with a corporate net zero trajectory would require an average of three to four deep energy retrofits of existing facilities per year, starting in late 2022 (with feasibility studies and design work starting in 2021). Noting that not every facility can accommodate deep retrofits due to inherent limitations, each facility will require an investigation and associated design phase prior to implementation. Project management capacity and expertise within the Works Department Design, Construction and Asset Management (DCAM) Group will be expanded to coordinate and deliver portfolio-wide deep retrofits at a pace required to align with the corporate net zero trajectory.
 - c. Facilities new builds – Finalize the Durham Building Standard, which incorporates recent experience with the design of energy efficient new corporate buildings (see Section 4.1f), and provides updated construction standards to align with corporate carbon reduction commitments and Regional Council approvals.
 - d. Fleet – Given an average estimated 10-year fleet vehicle lifespan, achieve substantial emissions reductions to 2025 and 2030 by shifting annual vehicle procurement (both new and replacement) towards low and zero carbon options, with a focus on fleet electrification, where operationally feasible. In direct support of the Region’s climate commitments, Durham Region fleets will adopt low-carbon mobility solutions, deploy supporting infrastructure in facilities including necessary building system upgrades and modernize fleets with a goal of moving towards 75 per cent of annual average unmodified light duty vehicle purchases being zero carbon or hybrid between 2022-2025, and 100 per cent between 2026-2030. For the Region’s medium and heavy-duty fleets, including DRT’s bus fleet, timelines for electrification require further analysis with a focus on understanding necessary facility infrastructure requirements and operating impacts.
 - e. Water Supply and Sanitary Sewerage Infrastructure – In 2021, the Environmental Services Branch within the Works Department will initiate a study to develop climate action strategies for the Regional water supply and sanitary sewerage systems. These strategies, once developed, will provide a more comprehensive roadmap for GHG emissions management.
- 6.6 The Plan provides direction for the development of a Climate Financing Strategy which will position the Plan’s funding needs in the Region’s ten-year capital forecast. It also seeks to mitigate impacts to the tax base and user rates through pursuit of and advocacy for external funding from senior levels of government and other public and private sector sources.
- 6.7 Finally, the Plan provides direction for the development of a Region-wide Corporate Energy Managers community of practice, as part of a broader Durham Strategic Energy Alliance (DSEA), to encourage knowledge sharing and

collaboration with public and private sector organizations in the Region with a shared decarbonization commitment.

7. Durham Community Energy Plan Update - Implementation Update

7.1 Durham Region has taken concrete steps to drive implementation of the Durham Community Energy Plan (DCEP) since the last Climate Change Update report was presented to Council in November 2019. Key initiatives include:

7.2 Durham Home Energy Savings Program D-HESP (Community Deep Retrofit Program)

- a. Durham Community Energy Plan's Low Carbon Pathway called for retrofits of nearly all the residential, commercial, and institutional buildings in the Region between 2020-2050. The Pathway calls for a focus on deep, whole-building retrofits that deliver 40-50 per cent energy savings.
- b. In 2020, staff developed a conceptual program design for D-HESP which relies on partnerships with local energy utilities, lending institutions, and contractors to deliver a one-stop-shop service platform for homeowners, as outlined in [Report #2020-A-12](#).
- c. In July 2020, the Region applied to the Green Municipal Fund (GMF) for support of program start-up and the initial four years of operations to 2025. In January 2021, the Region received a conditional notification of almost \$1.9 million in grant funding for program administration and \$1.5 million in funding for a loan loss reserve fund to support private sector lending by lending institutions. Staff are negotiating a funding agreement with the GMF, and other necessary agreements with local utilities, lending institutions and other partners to enable program launch in 2021.
- d. This program is anticipated to support more than 1,000 home energy retrofits by 2025 and establish the program architecture to enable scale-up to commercial and institutional building sub-sectors over time.

7.3 E-Mission Electric Vehicle Joint Venture

- a. The Durham Community Energy Plan's Low Carbon Pathway called for a joint strategy between the Region, area municipalities, and utilities to support electric vehicle uptake, including coordinated infrastructure investments, educational activities, and municipal policies relating to charging stations and incentives.
- b. Throughout 2020, Regional staff worked with local municipalities and utilities on two successful rounds of funding applications to NRCan's Zero Emissions Vehicle Incentive Program (ZEVIP).
- c. ZEVIP Round 1 funding will support the installation of 60 publicly available charging stations across the Region, 32 of which are on Regional property.

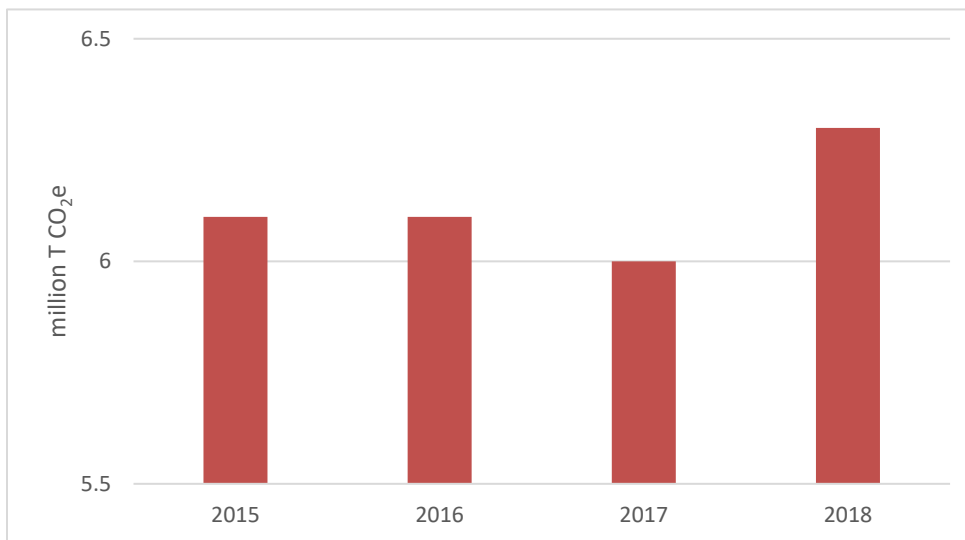
These stations will be installed through 2021 (See Attachment #2 for more details).

- d. ZEVIP Round 3 funding will support the implementation of an education and awareness campaign in collaboration with Oshawa Power and Utilities Corporation (OPUC) and Elexicon Energy. The campaign will include a branded web platform, mobile EV test drive events, and partnerships with local auto dealers to mobilize awareness of EV options for residents.

8. Community GHG Inventory Update

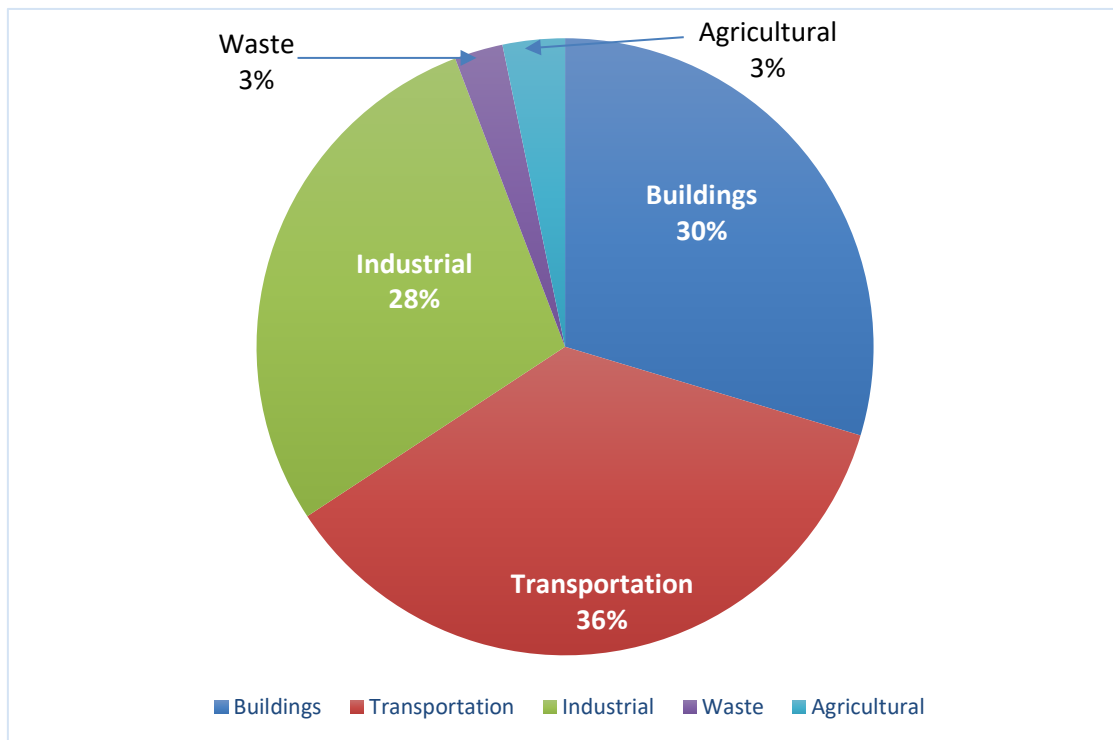
- 8.1 The Atmospheric Fund (TAF) has developed a GHG emissions inventory for the Greater Toronto and Hamilton area, with data at the single-tier and upper-tier municipal level. The most recent version of this inventory, covering 2018 community wide emissions, shows Durham Region emitted 6.3 megatonnes of CO₂e, which represents approximately 5 per cent increase over 2017 levels, largely due to increased energy consumption (natural gas and electricity) (See Figure 7 below).
- 8.2 Note that TAF GTHA inventory data is not directly comparable to the low carbon pathway (Figure 1 in this report) as it includes industrial emissions associated with St. Mary's Cement Facility in Bowmanville which alone was responsible for 1.5 M tCO₂e in 2018.

Figure 7 - Durham Region Community GHG Emissions 2015 - 2018



- 8.3 As shown in Figure 8, the largest sources of community GHG emissions are transportation and buildings, both of which increased between 2017 and 2018, even when normalized for population growth and weather.

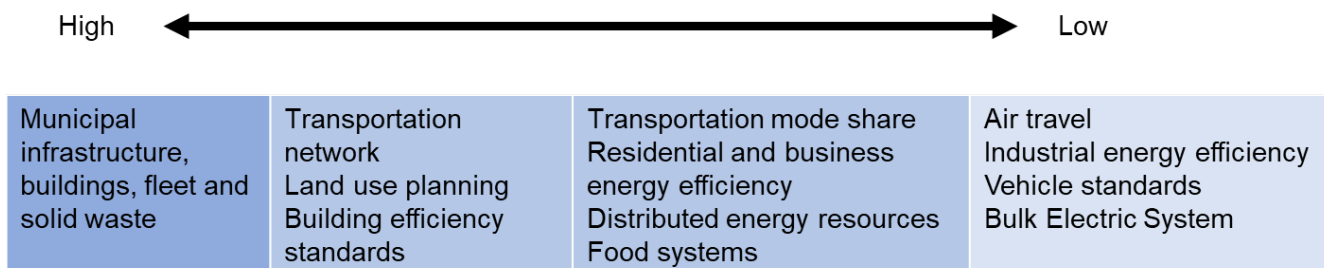
Figure 8 - 2018 Durham Community GHG emissions by sector



9. Proposed Updated Community GHG Reduction Targets

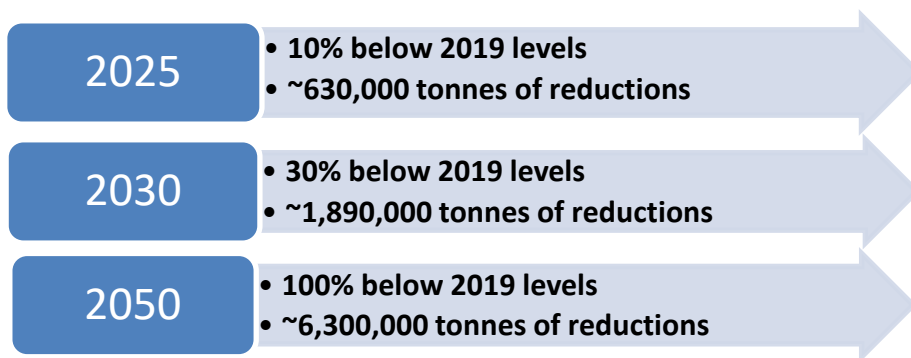
9.1 The Regional Municipality of Durham does not directly control emissions beyond its own operations, but has influence through its role in land use planning (e.g. Regional Official Plan) through the provision of infrastructure (e.g. transit, solid waste, etc.), and through community mobilization initiatives developed in partnership with local area municipalities, and energy utilities (e.g. tree planting, building energy retrofits, etc.) (See Figure 9 below). As part of a broad community mobilization strategy it is recommended that Regional Council continue to set community targets, monitor GHG emissions regularly, and communicate those results to the community. This is consistent with municipal actions across much of the country and responds to the IPCC’s call for action.

Figure 9 - Regional Corporate Influence over GHG Emissions



- 9.2 Durham’s current community GHG reduction targets, referenced in Section 3.3, were set prior to the Paris Agreement and the release of the IPCC’s Special Report on Global Warming of 1.5°C. Furthermore, the recently passed Canadian Net Zero Emissions Accountability Act legally binds the federal government to a process to achieve net zero emissions by 2050.
- 9.3 As directed by Regional Council’s climate emergency declaration and presented in Figure 10, community GHG emission reduction targets are recommended to be aligned the Region’s corporate targets and those set by senior levels of government.³ It is recognized that meeting these community targets will require sustained policy and investment by all levels of government and community stakeholders, including residents, businesses, large industry, and broader public sector entities.

Figure 10 - Proposed Revision to Community-wide GHG emissions reduction targets



10. Next Steps and Reporting

- 10.1 Over the next five years, Regional staff will advance projects aligned with the Corporate Climate Action Plan (CCAP), the DCEP, and the Energy CDM Plan (2020-2024). To lead the way, staff will bring reports to relevant committees on the five-year priority projects, as required.
- 10.2 In addition to individual project reports, staff will provide an annual update on the CCAP and DCEP that includes:
- Annual corporate and community GHG inventories;
 - An assessment of how the Region is tracking towards community and corporate targets;
 - An update on the identified corporate and community implementation priorities;

³ The Government of Ontario has established a target to reduce emissions by 30 per cent below 2005 levels by 2030. The Federal Government has established a legislated target of net zero emissions by 2050.

- d. Recommendations to advance additional identified priorities to close the gap to the 2025 corporate and community GHG reduction targets; and
 - e. Budget, staffing, resource pressures and challenges. Any associated funding/budget considerations will be brought forward as part of the annual business planning and budget process.
- 10.3 Detailed estimates of financial resources required to implement the GHG targets are being developed. Specific projects to address the corporate GHG reduction targets are being identified as part of the Region's five year operating and ten-year capital forecast. Finance staff will continue to develop a financing strategy for Council's consideration as part of the annual business planning and budget process, that continues to leverage available senior government funding and considers innovative financing and risk management approaches aligned with affordability, operational, and environmental objectives.
- 10.4 A full review and update of the CCAP, including the guiding principles, GHG emission reduction targets, and priority actions will be completed in 2025. At the same time, the Durham Community Energy Plan (DCEP) and Durham Community Climate Adaptation Plan will be reviewed with a view to merging the three action plans into one comprehensive document.
- 10.5 [Durham's climate change website](http://durham.ca/ClimateChange) (durham.ca/ClimateChange) will link to updated documents as they are approved. Where possible, relevant data will be made available through the Region's Open Data portal to ensure transparency of information.

11. Consultation

- 11.1 The Corporate Climate Action Plan was developed over a 10-month process with input from Regional staff from the CAO's Office, Works, Finance, Planning and Economic Development, Health and Social Services departments, as well as Durham Region Transit, and Durham Regional Police and Paramedic Service.
- 11.2 Staff made four presentations throughout the latter half of 2020 to the Works, Finance, Corporate Services and Social Services departmental leadership teams.
- 11.3 Staff from the Office of the CAO and Finance Department met regularly through Q1 2021 to identify and operationalize opportunities to align the carbon budget management framework with the annual business planning and budget process to ensure efficiency and integration for business units across the corporation.

12. Relationship to Strategic Plan

- 12.1 This report addresses the following strategic goals and priorities in the Durham Region Strategic Plan:
- a. Goal 1 - Environmental Sustainability
 - Priority 1.1: Accelerate the adoption of green technologies and clean energy solutions through strategic partnerships and investment;

- Priority 1.4: Demonstrate leadership in sustainability and addressing climate change;
- Priority 1.5: Expand sustainable and active transportation.

13. Conclusion

- 13.1 In response to Regional Council's 2020 declaration of a climate emergency, this report provides recommended responses in the form of:
- a. GHG emissions reduction targets for the Regional corporation that position it as a leader in the community-wide effort to mitigate climate change;
 - b. A Corporate Climate Action Plan that identifies how climate change considerations will be embedded across all elements of Regional business;
 - c. Near-term implementation priorities for the next five years to support achievement of the proposed 2025 corporate GHG reduction target; and
 - d. Updated community targets, based on the modelling conducted for the DCEP, and aligned with federal government's recently legislated net zero by 2050 commitment.
- 13.2 For additional information, contact: Ian McVey, Manager, Sustainability, at 905-668-7711, extension 3803.

14. Attachments

Attachment #1: Durham Region Corporate Climate Action Plan

Attachment #2: Climate Initiatives Investment Update

Attachment #3: External funding confirmed by the Region between Nov 2019-February 2021 to enhance Climate Projects

Attachment #4: Realized Benefits of the Durham York Energy Centre and Government Positions Supporting Energy-from-Waste

Respectfully submitted,

Original signed by

Elaine C. Baxter-Trahair
Chief Administrative Officer

Attachment #1

Durham Region Corporate Action Plan

Presented as a second document.

Attachment #2

Summary of Climate Mitigation and Environmental Initiatives Reserve Fund

Project	Details	Proposed Investment
Corporate high-performance new buildings	Incremental additional investment to meet net zero energy performance in new corporate facilities	Project Allocation \$2,250,000
Seaton RDPS Station	Proposed installation of a geothermal system with an estimated incremental cost of \$745,000 and installation of solar panels at a cost of \$162,000 over the base design.	\$907,000
Durham Region Police Service Clarington Phase 2 Project	Allocation for envelope and HVAC measures.	\$1,342,700
Remaining funds uncommitted		\$300
Retrofits of existing corporate facilities	Rooftop solar, energy audits, social housing retrofits	Project Allocation \$1,750,000
Social housing project	Focus on DRLHC multi-unit seniors' buildings with opportunity to leverage FCM Social Affordable Housing program funding. Projects in scoping phase include: 850 Green St, 655 Harwood, 315 Colborne, 1910 Faylee.	\$500,000
Landfill biocover pilot project	Development and implementation of a landfill biocover project at the Oshawa landfill.	\$500,000
Remaining funds uncommitted		\$750,000
Community-wide deep energy retrofits of existing community buildings	Launch of Durham Home Energy Savings Program	Project Allocation \$350,000
Durham – Home Energy Saving Program	Leverage funding to secure ~\$1.9m in FCM Green Municipal Fund grant & \$1.5m loan loss reserve fund.	\$350,000
Remaining funds uncommitted		\$0

Project	Details	Proposed Investment
Region-wide nature-based climate solutions program	Enhance tree planting and stewardship programs in partnership with Conservation Authorities and non-profit partners (e.g. Forests Ontario, Highway of Heroes Tree Campaign)	Project Allocation \$500,000
Tree Planting Program	Partnership with 5 Conservation Authorities to expand private land tree planting with a goal of 740,000 trees planted by 2025.	\$439,000
Remaining funds uncommitted		\$61,000
Adaptation studies	Urban flood risk vulnerability assessment and public health climate vulnerability assessment	Project Allocation \$150,000
Adaptation and risk assessment	50% municipal and 50% federal funding through Natural Disaster Mitigation Fund (subject to Federal Government approval)	\$130,000
Remaining Funds Uncommitted		\$20,000
Total Project Budgets Committed		\$4,168,700
Total Project Budgets Uncommitted		\$831,300
Total Funding		\$5,000,000

Attachment #3

External funding confirmed by the Region between November 2019 - February 2021 to enhance Climate Projects

Project	Funding Source	Funding Details	Funding Amount
Durham Region Transit Electric Bus Pilot	2019 Federal Gas Tax	In November 2019, Durham Region Council committed \$10.1 million in federal gas tax funding towards DRT's first battery electric buses and charging infrastructure.	\$10,100,000
	The Atmospheric Fund (TAF)	In May 2020, TAF awarded \$195,000 over two years for the "Scaling-up to Zero Emission Transit in Durham Region" to support DRT in advancing their electric bus project.	\$195,000
Durham Home Energy Savings Program (D-HESP)	The Atmospheric Fund (TAF)	In February 2020 TAF awarded \$68,000 to support the development of the D-HESP conceptual model, and FCM funding application.	\$68,000
	Federation of Canadian Municipalities' (FCM) Community Efficiency Fund	To support the implementation of the 4-year D-HESP with a loan guarantee up to \$1,500,000 combined with a \$1,889,470 grant for the Durham Home Energy Savings Program.	\$1,889,470
Adaptation and Risk Assessment	Natural Disaster Mitigation Fund	50% municipal and 50% federal funding through Natural Disaster Mitigation Fund.	\$130,000
Purchase and installation of EV Chargers	NRCan's Zero Emission Vehicle Infrastructure Program - Round 2	In 2021, the Region applied for eight Level 2 EV Charging Stations to support charging of corporate light-duty fleets.	TBD

Project	Funding Source	Funding Details	Funding Amount
EV Community Marketing Strategy	NRCan's Zero Emission Vehicle Infrastructure Program - Round 3	In 2020, the Region submitted a funding application in partnership with Oshawa PUC and Elexicon Energy to support the development of an EV marketing and awareness campaign.	\$50,000
Purchase and installation of community EV Chargers	NRCan's Zero Emission Vehicle Infrastructure Program - Round 1	In 2021, the Region, together with the Town of Ajax, the Municipality of Clarington, Oshawa PUC, and the Town of Whitby will be installing 60 new EV charging stations across 21 municipally owned and publicly accessible sites, of which 32 are Regional charging stations. Funding represents the Regional portion.	\$160,000
Courtice WPCP IRR Phase 2 Study	CWWF Funding		\$225,000
Energy Manager Incentives across Corporate Projects	2019 IESO - SaveOnEnergy		\$97,111
Energy Manager Incentives across Corporate Projects	2020 IESO - SaveOnEnergy		\$207,193
Total Funding			\$13,121,774

Attachment #4

Realized Benefits of the Durham York Energy Centre and Government Positions Supporting Energy-from-Waste

Sent via mail and email (afoster@clarington.net)

March 19, 2020

Mayor Adrian Foster
Corporation of the Municipality of Clarington
40 Temperance Street
Bowmanville, Ontario L1C 3A6

Dear Mayor Foster:



**The Regional
Municipality of
Durham**

Works Department

605 Rossland Rd. E.
Level 5

PO Box 623
Whitby, ON L1N 6A3
Canada

905-668-7711
1-800-372-1102

Fax: 905-668-2051

durham.ca

**RE: Realized Benefits of the Durham York Energy Centre and
Government Positions Supporting Energy-from-Waste**

Summary

- The Durham York Energy Centre (DYEC) has positive benefits for climate change.
- Waste disposal at the DYEC results in fewer greenhouse gas (GHG) emissions than landfill at the current DYEC by-pass location.
- Governments and international bodies recognize energy-from-waste (EFW) as a preferred alternative to landfilling wastes.
- Diverting organics from the DYEC will result in a more efficient operation and greater energy generation.
- The numerous benefits of the DYEC for processing the Regional Municipality of Durham's (Region) waste are outlined in the original proposals and approvals for the project. When used appropriately as part of the waste hierarchy: Reduce, Reuse, Recycle, Recover Energy, EFW is recognized internationally as a more climate friendly disposal option for residual waste than landfilling.

For the Regional Municipality of Durham (Region), the DYEC:

- Provides an innovative and responsible long-term solution for managing residential waste within Regional boundaries.
- Follows stringent Ontario Ministry of the Environment,

Conservation and Parks' (MECP) air quality standards and Environmental Compliance Approval limits for stack emissions that are continuously monitored to ensure compliance, with Source Tests taking place twice annually.

- Reduces environmental impacts associated with climate change and supports the Region's call to action under the current climate change emergency.
- Showcases the Region's position as a leader in waste management in North America.

GHG Benefits of the DYEC versus Traditional Landfilling

A comparative lifecycle analysis of landfilling waste versus thermal treatment of waste was completed as part of the original 2009 Environmental Assessment for the DYEC to demonstrate the GHG reductions that could be realized. This analysis has recently been reviewed and updated using actual Regional waste disposal data during the operation of the DYEC for the draft Environmental Screening Report (ESR) published in December 2019.

For the comparison, the landfill used is the one receiving most of the Region's by-pass waste when it cannot be processed at the DYEC due to tonnage restrictions. Based on the high-level analysis, one tonne of Region-landfilled waste results in the release of 19 kilograms (kg) of carbon dioxide equivalents or CO₂e. That same tonne of waste when processed at the DYEC will release 11 kg of CO₂e. This analysis supports the notion that waste processed at the DYEC reduces GHG emissions generated in comparison to traditional landfilling.

Since the landfill receiving site only flares landfill methane (i.e. does not currently have a cogeneration system to make electricity), there are no energy offsets associated with landfilling the Region's waste at this location. Additional CO₂e is released as a result of energy consumed to operate the equipment to place the waste in the landfill, just as energy is consumed to operate the DYEC. However, the DYEC energy use is offset by the electricity generated from the process. When the energy use is converted to CO₂e emissions, the landfill releases an additional 8.6 kg of CO₂e per tonne of waste landfilled. The DYEC offsets or saves 82 kg of CO₂e per tonne of waste processed.

These CO₂e calculations are based on the average carbon dioxide emissions from the Ontario grid, including the carbon-free nuclear and hydro power generation used to meet Ontario's base load demand.

Based on the actual disposal options for the Region's residential waste, the DYEC results in a net off-set of 71 kg of CO₂e for every tonne of waste processed (82 kg off- set from electricity generation – 11 kg generated from waste treatment). Landfilling the waste at an Ontario landfill would result in the release of 27.6 kg of CO₂e per tonne of waste landfilled. Use of the DYEC for waste disposal provides a net climate benefit compared to the status quo.

Economic Stability

The DYEC increases the level of cost certainty experienced by the Region for waste disposal. The Ontario Waste Management Association's (OWMA) 2018 report identified several key points related to the amount of available disposal capacity for Ontario's waste.

- Based on the current landfill capacity depletion rate, Ontario's available landfill capacity is expected to be exhausted in 12 years, by the year 2032. If the United States (U.S.) were to prohibit Ontario waste from crossing the border, Ontario's landfill capacity will be exhausted by 2028.
- Ontario's 805 active public and private sector landfill sites have a remaining capacity of 122 million tonnes. Most of this remaining capacity is in just a small number of large landfill sites, with 82 per cent of remaining capacity held by just 15 landfill sites (both private and public).
- In 2017, Ontario landfills received 8.1 million tonnes of waste, up five per cent from OWMA's 2016 Landfill Report. In addition, 3.5 million tonnes of waste was exported to landfills in the U.S., primarily to Michigan and New York.

While capacity is decreasing, there is continued talk of developing regulations resulting in the requirement for municipal approval for new or expanded landfills into communities, potentially limiting where new sites could be located.

Between decreasing capacity and increased approvals required to develop new capacity, there is likely to be a continued rise in market pricing for long term disposal. The DYEC's contract has provided long-term insulation against changes to market conditions as the Region's tipping fees are determined as part of the contract, while residue disposal is a requirement of the Contractor.

Government Positions Supporting EFW

In recent years, there is increasing government support for EFW facilities. The DYEC allows the Region to support these initiatives.

Province of Ontario: In 2018, [Ontario released the Made-in-Ontario Environment Plan](https://www.ontario.ca/page/made-in-ontario-environment-plan). A component of this plan is reducing litter and waste in our communities. The province states it is looking for ways to reduce the quantity of waste going to landfill and increase the use of technologies including thermal treatment (<https://www.ontario.ca/page/made-in-ontario-environment-plan#section-5>).

The DYEC continually receives interest from MECP staff, and has been frequently visited by representatives to better understand how policy translates to the facility.

Government of Canada: The [G7 Ocean Plastics Charter](https://www.canada.ca/en/environment-climate-change/services/managing-reducing-waste/international-commitments/ocean-plastics-charter.html), championed by Canada, includes a target to work with industry to ensure plastics are 100 per cent reusable, recyclable, or, where viable alternatives do not exist, recoverable by 2030. Energy recovery from plastics with no viable recycling option is considered better than landfilling. Many plastics cannot be recycled economically, and no recycling market exists for them (<https://www.canada.ca/en/environment-climate-change/services/managing-reducing-waste/international-commitments/ocean-plastics-charter.html>, Action 1).

European Commission: In 2017, communication on the Role of Waste-to-Energy in the Circular Economy from the European Commission stated that disposal in landfills or incineration with no or limited energy recovery was the least favourable options for reducing GHG emissions from waste. [Waste-to-energy](https://ec.europa.eu/environment/waste/waste-to-energy.pdf) is recognized as a preferred alternative to landfilling wastes that do not have viable recycling options (<https://ec.europa.eu/environment/waste/waste-to-energy.pdf>).

Global: From the 2007 Working Group III Contribution to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC):

“Incineration and industrial co-combustion for waste-to-energy provides significant renewable energy benefits and fossil fuel offsets... Because landfills produce CH₄ for decades, incineration, composting and other strategies that reduce landfilled waste are complementary [mitigation measures](#) to landfill gas recovery in the short-to-medium term” (<https://www.ipcc.ch/report/ar4/wg3/>, Chapter 10).

Sincerely,



c. Susan Siopis, P.Eng., Commissioner, Works, The Regional Municipality of Durham

Enclosed (Appendix A – Greenhouse Gas and Energy Calculations)

Appendix A – Greenhouse Gas (GHG) and Energy Calculations

Transportation Emissions

Trucks arrive at the Durham York Energy Centre (DYEC) with loads averaging 34 tonnes per load meaning that 588 trucks would be required to haul an additional 20,000 tonnes of waste. Processing waste at the DYEC will reduce the waste mass and volume and generate ash for disposal. Based on 2018 DYEC ash production and truck counts, 20,000 tonnes of waste will result in the generation of 5,877 tonnes of ash, requiring 163 trucks to transport ash for disposal. There is a net reduction of 425 trucks required for hauling 20,000 tonnes of waste to landfill versus to the DYEC.

The majority of recent DYEC by-passed waste has been shipped to the Twin Creeks Landfill, over 300 kilometres from the DYEC. Based on the calculations in Table 1 below, assuming all materials were to be transported from the DYEC to a remote landfill, approximately 268 tonnes of CO₂ would be avoided.

Table 1: Transportation Emissions of 20,000 tonnes of Waste

Factor	Value
Number of Trucks	425
Distance per trip	600 km
Fuel Economy ¹	39.5 L/100 km
Fuel Required per Year (Number of Trucks*Distance*L/100 km)	100,725 L
Fuel Emission Rate ²	2.66 kg CO ₂ /L diesel fuel
Resulting Emissions (L fuel consumed*kg CO ₂ /L fuel/1000kg per tonne)	268 tonnes CO₂

¹ [Natural Resources Canada:](https://www.nrcan.gc.ca/energy/efficiency/transportation/commercial-vehicles/reports/7607)

<https://www.nrcan.gc.ca/energy/efficiency/transportation/commercial-vehicles/reports/7607>

² [Natural Resources Canada:](https://www.nrcan.gc.ca/sites/www.nrcan.gc.ca/files/oeef/pdf/transportation/fuel-efficient-technologies/autosmart_factsheet_6_e.pdf)

https://www.nrcan.gc.ca/sites/www.nrcan.gc.ca/files/oeef/pdf/transportation/fuel-efficient-technologies/autosmart_factsheet_6_e.pdf

Methane Emissions

In addition to the transportation emissions, methane (CH₄) is generated from the landfilling of waste and according to the Intergovernmental Panel on Climate Change (IPCC) has 28 times the global warming potential of CO₂ over a 100-year time horizon.

(https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_Chapter08_FINAL.pdf Lifetimes, Radiative Efficiencies and Metric Values Appendix 8.A).

One tonne of waste landfilled generates approximately 170 m³ of landfill gas which is typically 50 per cent methane, although this value can vary between sites and climate regions¹. If 20,000 tonnes of waste per year were landfilled without methane gas capture systems in place, approximately 1,700,000 cubic metres or 942 tonnes of methane would be generated, equivalent to over 26,300 tonnes of CO₂ in addition to the CO₂ in the remainder of the landfill gas. While modern landfills capture and either flare or use the methane to produce electricity, landfill gas capture systems are not capable of intercepting all produced methane. Consistent with the U.S. EPA's 2011 document 'Available and Emerging Technologies for Reducing Greenhouse Gas Emissions from Municipal Solid Waste Landfills' for areas with daily soil cover and active gas collection, 60 per cent methane recovery was assumed for these calculations. With this assumption, approximately 565 tonnes of methane would be captured and converted to CO₂ through flaring or combustion while the remaining 377 tonnes of methane would be released to the atmosphere, equivalent to 10,550 tonnes of CO₂. The combination of these CO₂ emissions is avoided by processing the 20,000 tonnes of waste at the DYEC instead of landfilling.

Energy Generation

An additional benefit of thermal treatment over the remote landfill scenario is that it provides a local source of energy, which generates a greater quantity of energy than a remote landfill. Further, landfills such as Twin Creeks do not capture methane for energy generation, and instead utilize flares for destruction of the landfill gas without energy recovery. Residual waste managed by an EFW facility is better than remote landfill with respect to energy consumption, emissions to air of GHG, acid gases, smog precursors and emissions to water. Annex E-5, the lifecycle analysis completed for the original Environmental Assessment of the DYEC, reviewed the energy offset from landfill and energy from waste scenarios for 250,000 tonnes of waste. Net energy refers to energy that is offset from the grid resulting from the energy produced by the facility, either via combustion in an energy-from-waste facility, or via landfill gas capture and

¹ U.S. EPA. 2005. Landfill Gas Emissions Model (LandGEM) Version 3.02 User's Guide. EPA- 60/R-05/047

combustion, and the recycling of metals recovered from an energy-from-waste facility (also referred to as a virgin material displacement credit). The DYEC in 2018 exported 85,452 MWh of electricity to the Ontario grid, and recovered 3,440 tonnes of ferrous metals, and 408 tonnes of non-ferrous metals.

Using the model and assumptions from Annex E-5 the emissions from processing the current DYEC capacity of 140,000 tonnes of waste per year were estimated and compared between the remote landfill without electricity generation and energy-from-waste disposal options in Table 2. Values which display a negative result are represented as having a positive impact on the environment relative to their comparison. As detailed in the table below, the DYEC results in a net improvement of air emissions compared to landfill on a life-cycle basis as well as greater energy generation.

Table 2: CO₂e Emissions to Air for the Management of 140,000 tonnes per year of Residual Waste by Remote Landfill and Energy-from-Waste (DYEC)

140,000 tonne scenario						
Remote Landfill				EFW by DYEC		
Energy Consumption	(GJ/yr)	(tonnes CO ₂ e/year)	(kg CO ₂ e /tonne waste)	GJ/year	(tonnes CO ₂ e/year)	(kg CO ₂ e /tonne waste)
	109096	1212	-8.6	1033988	-11489	-82

40g CO₂e/KWh [based on Ontario grid average, 2017 National Inventory Report](https://www.cerrec.gc.ca/nrg/sttstc/lctrct/rprt/2017cndrnwblpwr/ghgmssn-eng.html) (https://www.cerrec.gc.ca/nrg/sttstc/lctrct/rprt/2017cndrnwblpwr/ghgmssn-eng.html)



The Regional Municipality of Durham Report

To: Finance and Administration Committee
From: Elaine Baxter-Trahair, Chief Administrative Officer
Report: #2021-A-4
Date: March 9, 2021

Subject:

The Regional Municipality of Durham's Accessibility Advisory Committee's 2020 Annual Report and 2021 Workplan

Recommendation:

That the Finance and Administration Committee recommends to Regional Council:

- A) That the CAO's Report #2021-A-4 be received for information as The Regional Municipality of Durham's Accessibility Advisory Committee's 2020 Annual Report; and
 - B) That the Regional Municipality of Durham's Accessibility Advisory Committee's 2021 Workplan be approved.
-

Report:

1. Purpose

1.1 The purpose of this report is to present the Accessibility Advisory Committee's (AAC) 2020 Annual Report and 2021 Workplan to the Finance and Administration Committee and Regional Council.

2. Background

2.1 In June 2005, the Ontario Legislature passed the Accessibility for Ontarians with Disabilities Act, 2005 (AODA). The AODA builds on the previous Ontarians with Disabilities Act, 2001 (ODA) and both acts are still in effect.

2.2 Municipalities are required to have AACs which advise Council by:

- a. Providing advice on the preparation of accessibility reports and plans required under the AODA.

- b. Advising Council on the requirements and implementation of accessibility standards.
 - c. Reviewing site plans and drawings for buildings and facilities.
- 2.3 In addition, as outlined in the Terms of Reference (ToR) the AAC is also active in the following areas:
- a. Committee education
 - b. Communication and outreach
- 2.4 The ToR also requires that the Office of the Chief Administrative Officer prepare an annual report to Committee and Council.

3. Durham Region's Accessibility Advisory Committee

- 3.1 Legislation stipulates that AACs must ensure most of its members are persons with disabilities. Three new members joined Durham's AAC over the past year. Ten community members plus one Regional Councilor comprise the AAC. The AAC is currently at capacity.

4. Durham Region AAC 2020 Achievements

4.1 Events

- a. Each year Accessibility Awards are presented to champions within the Region. These awards acknowledge a person, business or an organization that have made considerable effort to incorporate accessibility into their operations or everyday life. Nominations are sought from each of the eight area municipalities. In 2020, awards were presented to:
 - Ajax – Abiraa Karalasingam, is a youth resident of the Town of Ajax. She has been an active member of the Town of Ajax Youth Engagement Advisory Committee as well as a member of the Recreation, Culture and Community Development Department's Neighbourhood Engagement Social Team (NEST). Abiraa took the initiative to apply to be a Youth Accessibility Leader, through the Enabling Accessibility Fund. The project had her collaborate with local organizations and help build a more inclusive and accessible Canada. She assisted the Town in applying for a project under the Youth Innovation Component to improve accessibility at the Ajax Community Centre, north ice pad accessible washroom. Abiraa demonstrates a great deal of devotion to her community and making it more accessible to all.
 - Brock – Russell Fisher, President, Fisher's Your Independent Grocer, Beaverton, was an early adopter to step up to the needs of his community when COVID hit. He opened early to accommodate seniors and individuals with compromised immune systems; provided an option to shop online with groceries delivered to your car; improved the flow of

aisles making it easier and safer to move around in the store and quickly responded to the ongoing needs of their customers within the limitations of COVID restrictions. Russell and his staff believe customer service is first and foremost and making the necessary changes was the right thing to do.

- Clarington – Canadians with disabilities have consistently experienced low levels of employment, as well as barriers in the educational, economic, and social spheres. An inclusive workplace provides a sense of welcome and belonging for both employees and customers. Ryan Ormiston, Owner, Foodland Newcastle, supports persons with disabilities by employing an individual with a hearing impairment. Staff initiated American Sign Language (ASL) classes in their lunchroom to learn how to communicate with the employee.
- Durham – Roberta Atkinson is an original member of the first Durham Region AAC that was set up in 2002. She was a key contributor to the work that needed to be done to assist staff roll out the standards, and customer service training. Her years of commitment and dedication is appreciated in helping staff understand the needs of people with disabilities. She was instrumental in identifying barriers and supporting changes such as door openers installed in Council Chambers and the main entrance to Regional Headquarters along with the Access Pass for Durham Region Transit, Specialized Services.
- Oshawa – The Oshawa Accessibility Advisory Committee (OAAC), posthumously chose Linda Tamburro to be the recipient of the award. Linda was a well-respected community member known for her passion to develop an accessible community for people of all abilities. She served numerous terms on the OAAC in various roles including Vice-Chair and Chair along with time on sub-committees. As a dedicated member of the OAAC, Linda was instrumental in moving forward numerous actions to help contribute to a barrier-free Oshawa and raise awareness. She was a key supporter for the launch of the new OAAC logo and flag. This flag was flown at half-mast at City Hall in February 2020 in her memory and the contributions she made to her community.
- Pickering – As Co-Chair of the Durham Region 2019 Ontario Parasport Games Organizing Committee, Don Terry provided leadership in setting ambitious goals intended to continue bettering the Durham community long after the Games completion. Businesses, community organizations and volunteers embraced these Games and the athletes. Because of Don's contributions, the Games' success not only surpassed operational expectations, but also exceeded financial goals and established an important ongoing legacy of support for parasports in Durham Region.
- Uxbridge – Bernard Cole Corporation is currently renovating the buildings located at 20 Toronto Street in Uxbridge Township. The site contains several businesses and medical/para medical practitioners that

are undergoing significant interior and exterior renovations. This renovation has demonstrated improvements to ensure access for residents with disabilities. Brandon Bird, CEO, of Bernard Cole Corporation, listened to the feedback from the Uxbridge Accessibility Advisory Committee, residents, and business owners. The following was included in the renovations: replacing interlock pathways that were in disrepair and unsafe; widening doorways for mobility devices and installing automatic door openers; regrading the slope and curbs in the accessibility parking spaces; improving signage for ease of navigation; consideration of contrast and ease of access for those with visual disabilities and partnerships with the businesses in the building to improve and enhance accessibility.

- Whitby – Sheridan Nurseries is a business that has shown they hire staff based on their ability and skills in the horticulture sector. They hired a staff member with a hearing disability and immediately worked with her to accommodate her needs. COVID through them a curve and presented different challenges for everyone and especially how to serve customers. For a person who has a hearing impairment, masks worn by all, was a barrier for that person to be able to read lips. The Managers at Sheridan adapted and were able to have this staff member provide other services and use technology to communicate with each other. By working together to find solutions when obstacles are presented builds learning opportunities for all.
- b. One AAC member sits on the Transit Advisory Committee and provides input on behalf of the AAC. In addition, they ensure that the AAC members are apprised of all relevant information. The Council representative on the AAC also sits on the Transit Executive Committee (TEC), to make additional connections and share information.
- 4.2 Education – throughout 2020, the AAC received the following presentations for information:
- a. G. Bazios, Manager of Court Services, Corporate Services Department, provided a presentation regarding an overview of accessibility initiatives undertaken in the Provincial Offences Administration Office at Regional Headquarters. G. Bazios stated that some of the accessibility services available at the Courts are as follows:
- Accessible formats of documents
 - Assistive listening devices
 - Installation of equipment at ticket payment desk for hearing impaired
 - Visual language interpretation support (American Sign Language)
 - Rooms that can accommodate an individual with a disability
 - Tablet located in hallway that gives more access to court services

- Scheduling meetings or proceedings at times that allows a person to deal with their disability or medical related needs
 - Phone or email support to meet a disability related need
- b. J. Austin, Deputy General Manager, B. Eyre, Manager Specialized Services, S. Leaper, Supervisor Specialized Services, Durham Region Transit (DRT). A PowerPoint Presentation was reviewed with the AAC regarding a COVID-19 Update and effects on transit. Highlights of the presentation are as follows:
- 70 per cent ridership reduction with 20 per cent of trips having no riders.
 - Estimates of financial implications and DRT's budget status will continue to evolve to mitigate the impact from the pandemic and maintain sustainable services.
 - As of July 2, 2020, fare collection to resume, front door boarding with a barrier installed between the driver and riders, along with encouraging customers to make the shift to PRESTO cards that can be loaded online. DRT is also working on an electronic ticketing solution that will allow riders to pay, download and display fares from their mobile device, further supporting contactless fare payment options.
 - Specialized Services ridership has dropped by approximately 80% since March and therefore implemented new procedures such as contacting customers who are booked to travel the next day and a pre-screening is done, maximum capacity has been changed to three passengers per vehicle with distancing from each other, and operators have additional personal protective equipment.
- c. S. Austin, Director Strategic Initiatives, Chief Administrator's Office, provided information about the Regional Recovery Framework and Action Plan. The Region is collaborating with local area municipalities, community agencies, and the business community to address challenges, recover from the crisis and build resiliency. The Recovery Framework is centered on the following four pillars: Social; Built; Economic and Municipal. A Region Recovery Task Force was established and consists of representatives from key stakeholders to review the structure and four pillars of the Recovery Framework. She stated that the recommendations of the Task Force are as follows:
- prioritize the immediate focus on short-term actions
 - recognize the changing definition of 'vulnerable' in a post-COVID environment; and
 - leverage data and resources available through community partners.
- The four pillars were reviewed.
- Social Recovery actions: Supportive Housing; Primary Care Outreach Program; Childcare and Support to Families; COVID-19 Surveillance; and Public Physical Distancing.

- Built Recovery actions: Rapid Transit Infrastructure; Rebuilding Transit Ridership; Transformative projects; and Environmental Sustainability.
- Economic Recovery actions: Buy Local Campaign; Improved Infrastructure for Businesses; Post-COVID Business Attraction; Automated Shuttle Pilot; and Innovation and Collaboration.
- Municipal Recovery actions: Restoration of Regional Services; Financial Sustainability; and Modernization of Services.

Staff continue to develop and implement the action items outlined in the report and detailed reports on specific action items will be presented to Council as required with a follow-up recovery report to be provided to Council in the fall of 2020.

- d. J. Christianson, Program Coordinator, Accessible Documents provided an overview of CityStudio, a collaboration with education facilities to learn more about the structures of their communities. It started in Vancouver, used in ten different municipalities across Canada, and is now in Durham Region. One project that Durham Region will host through the CityStudio initiative is to learn about access to services and possible encounters with barriers for people with disabilities. N. Sandhu, a student from Ontario Tech University, assisted staff with the survey for this project. Accessibility Advisory Committees within Durham Region were given the opportunity to assess the draft questions in the survey and give feedback. The survey was rolled out to the public and posted on Your Voice Durham, which is a platform used to obtain feedback from the public.
- e. J. Austin, Deputy General Manager, Michael Binetti, Supervisor, Service Design, Durham Region Transit (DRT) provided an overview of the measures taken over the past ten months with regards to the COVID-19 pandemic. Transit ridership declined by more than 70% in the spring but has slowly started to rise. DRT has worked with Metrolinx to issue a new electronic ticketing application, which is a contactless fare payment option available on smartphones across all DRT scheduled, specialized and On Demand services.

DRT introduced a multi-phased new ridership growth network on September 28 and is currently in Phase A of that service. An overview of the Phase A Urban Area Map as well as an overview of the On Demand Services in the rural areas of Durham Region was covered. Some common features are as follows:

- Zones/areas where ridership is low.
- Trips booked the day of travel and as close as 15 minutes before.
- Regular DRT fares.
- Riders picked up by a DRT Promaster van or a contracted service provider sedan or van; and

- Riders can travel stop to stop within a zone or connect to DRT bus routes and local GO Train Station when travelling out or into a zone.

DRT is one of the first transit agencies in Canada that is looking at implementing social equity guidelines. A list of the equity priorities in Durham Region were shared. The communities of focus are Durham Region's priority neighbourhoods and rural areas.

The draft guidelines and goals are as follows: supportive infrastructure; service coverage and availability; service span and frequency; and transit serving employment uses.

- f. Ross Ste-Croix, Executive Director, WindReach Farm provided a presentation about the programs and services offered at the Farm highlighting topics including: About WindReach Farm; History of the Farm; Who they serve; Programs and Events.

The Farm has been in Durham Region since 1989. It uses the farm environment to provide therapeutic programs for people of all abilities as well as those with severe physical limitations who require one on one care; individuals on the autism spectrum who are looking to build friendships and learn new skills; and those coping with mental health issues.

An overview was given of the following programs offered: Learning for Life; Community Participation; Therapeutic Riding Program; The Harvest of Health Horticultural Therapy Program; Day Visitor Program; Overnight Visitor Program; The Beyond the Farm Gate Program and Acres of Fun Summer Camp.

In a typical year, the farm hosts events such as sheep shearing, Halloween, Christmas, as well as open houses, Founder's Day, and a fundraising gala. Due to the COVID 19 pandemic this year, they were able to have a socially distanced golf tournament, a Halloween event, drive-thru experiences and are currently working on a winter walk-thru event.

4.3 Communications

- a. Regular accessibility articles are included in staff newsletters.

4.4 Community outreach/advocacy

To begin National Accessibility Week (NAAW) 2020, Regional Chair Henry's video message recognized the importance of the week. Durham Region's AAC members also shared a video message externally and internally to promote accessibility and inclusion as a priority in our community. A proclamation for the week and numerous messages were shared with the public through the Region's social media platforms.

5. 2021 Workplan for the Durham Region AAC

- 5.1 An AAC Workplan is developed annually to outline the scope and activities of the AAC. It includes necessary activities for meeting requirements of both the ODA and AODA. The workplan includes:
- a. Providing advice and reviewing annually, the Accessibility Report created by the staff liaison in the CAO's office.
 - b. Reviewing site plans for new builds and extensive renovations to existing buildings that the Region owns and/or operates to ensure accessibility has been included in the design.
 - c. Forming of subcommittees in the areas of site plan review, traffic/road improvements, accessibility awards, education and communication and ad hoc committees as required throughout the year.
 - d. Education development continues throughout the year, as required, for AAC members, Councillors, and staff. Education sessions take place when changes to the AODA standards occur, by agencies who serve the disability community and by staff who present initiatives from departments where feedback from this committee is required.
 - e. Communicating the work that the AAC does annually to Regional Council and staff through AAC minutes of meetings, the staff e-newsletter, newspaper articles when appropriate and meetings with other AACs within the region.
 - f. Presentation of Durham AAC Accessibility Awards annually to recognize individuals, services and/or businesses that have championed, achieved and/or embraced accessibility in each of our local area municipalities.

6. Conclusion

- 6.1 The AAC will continue to meet legislative obligations of both the ODA and AODA. Activities and consultation with staff will be important elements of their work. Their expertise, experience and dedication are of great value to the accessibility work undertaken at the Region of Durham. Advice given to Regional Council and staff will continue to be an integral piece to the Region's identification, removal, and prevention of barriers to accessibility.

Prepared by: Janet Traer, Accessibility Coordinator, at 905-668-7711, ext. 2009.

Approved by: Sandra Austin, Director of Strategic Initiatives, at 905-668-7711, ext. 2449.

Respectfully submitted,

Original signed by

Elaine C. Baxter-Trahair
Chief Administrative Officer



The Regional Municipality of Durham Report

To: The Finance and Administration Committee
From: Director of Emergency Management
Report: #2021-A-5
Date: March 9, 2021

Subject:

Appointment of the Regional Fire Coordinator and Deputy Fire Coordinator

Recommendation:

That the Finance and Administration Committee recommends to Regional Council:

- A) That Fire Chief Gord Weir be re-appointed Regional Fire Coordinator, effective February 1, 2021.
 - B) That Deputy Chief Stephen Boyd be appointed Deputy Regional Fire Coordinator, effective February 1, 2021.
 - C) That honoraria for these positions be provided as per the annual Regional budget.
-

Report:

1. Purpose

Regional By-Law 26-2009 provides for the appointment by Council of a Fire Chief of one of the area municipalities as Regional Fire Coordinator and an additional Fire Chief as Deputy.

The Regional Fire Coordinator is assigned responsibilities in the Durham Region Emergency Master Plan for emergency planning and response activities as a member of the Regional Control Group.

The current Regional Fire Coordinator, on behalf of the Durham Region Fire Chiefs Association, has advised the Region that the appointments require updating by Regional Council. The recommended appointments have been endorsed by the Association.

Recommendations

It is therefore recommended:

- that Fire Chief Gord Weir be re-appointed Regional Fire Coordinator, effective February 1, 2021,
- that Deputy Chief Stephen Boyd be appointed Deputy Regional Fire Coordinator, effective February 1, 2021, and
- that honoraria for these positions be provided as per the annual Regional budget.

Prepared by: James Kilgour, Director Emergency Management, at 905-668-7711, extension 6260.

Respectfully submitted,

Original Signed by

James Kilgour
Director, Emergency Management

Recommended for Presentation to
Committee

Original Signed by

Elaine C. 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

To: Finance and Administration Committee
From: Commissioner of Finance
Report: #2021-F-6
Date: March 9, 2021

Subject:

The Remuneration and Expenses in 2020 of Members of Regional Council and Regional Council Appointees to Local Boards, as Required by Section 284(1) of the Municipal Act, 2001, S.O. 2001, c. 25

Recommendation:

That the Finance and Administration Committee recommends to Regional Council:

That this report be received for information.

Report:

1. Purpose

1.1 The purpose of this report is to provide a statement of the remuneration and expenses that were paid in 2020 to Regional Councillors and Regional Council Appointees, as required by the Municipal Act.

2. Background

2.1 The Municipal Act, 2001 Section 284(1) requires that: the

“The treasurer of a municipality shall in each year on or before March 31 provide to the council of the municipality an itemized statement on remuneration and expenses paid in the previous year to,

(a) each member of council in respect of his or her services as a member of the council or any other body, including a local board, to which the member has been appointed by council or on which the member holds office by virtue of being a member of council;

(b) each member of council in respect of his or her services as an officer or

(c) each person, other than a member of council, appointed by the municipality to

3. Previous Reports and Decisions

3.1 This report is presented to Regional Council annually, in compliance with the Act.

4. Remuneration and Expenses of Regional Council Members and Appointees to Boards and Committees

4.1 Remuneration and expenses of Regional Council members represent the amounts reimbursed directly to or paid on behalf of Regional Council members in 2020, as recorded on the Region's accounts (Schedules 1 and 2).

4.2 The information concerning Regional Council appointees (Schedule 3) was obtained directly from the Local Boards, except for the following whose accounting records are maintained by the Regional Finance Department:

Development Charges Complaint Committee, Durham Accessibility Advisory Committee, Durham Active Transportation Committee, Durham Advisory Committee on Homelessness, Durham Agricultural Advisory Committee, Durham Environmental Advisory Committee, Durham Nuclear Health Committee, Durham Regional Local Housing Corporation, Durham Region Community Safety and Well-Being Plan Steering Committee, Durham Region Child & Youth Advocate, Durham Region Police Services Board, Durham Region Roundtable on Climate Change, Durham Region Transit Commission, Durham Vision Zero Task Force, Energy from Waste – Waste Management Advisory Committee, Land Division Committee, Local Diversity and Immigration Partnership Council, Strategic Plan Development Task Force, Transit Advisory Committee, and the 9-1-1 Management Board.

4.3 The reported mileage and conferences expenses for 2020 were significantly reduced from that of prior years due to the COVID-19 pandemic.

5. Relationship to Strategic Plan

5.1 This report aligns with/addresses the following strategic goals and priorities in the Durham Region Strategic Plan:

- a. Service Excellence Goal 5.3: Demonstrate commitment to continuous quality improvement and communicating results. This report is in compliance with the requirements of the applicable legislation and is part of the Region's commitment to accountability and transparency.

6. Attachments

Schedule #1: Regional Council Members 2020 Remuneration and Expenses

Schedule #2: Regional Council Members 2020 Compensation Paid in Lieu of Pension Plan and Severance

Schedule #3: Regional Council Appointees to Local Boards 2020 Remuneration and Expenses

Respectfully submitted,

Original Signed By

Nancy Taylor, BBA, CPA, CA
Commissioner of Finance

Recommended for Presentation to Committee

Original Signed By

Elaine C. Baxter-Trahair
Chief Administrative Officer

**REGIONAL COUNCIL MEMBERS
2020 REMUNERATION AND EXPENSES**

	<u>REMUNERATION</u> \$	<u>MILEAGE</u> \$	<u>CONFERENCES, CONVENTIONS & MEETINGS</u> \$	<u>TOTAL</u> \$
<u>REGIONAL COUNCIL MEMBERS</u>				
Anderson, G. (3)	60,030.99	293.11	-	60,324.10
Ashe, K.	60,030.99	178.89	-	60,209.88
Barton, D. (3)	60,030.99	348.87	1,236.39	61,616.25
Bath-Hadden, D.	60,030.99	471.65	-	60,502.64
Brenner, M. (5)	12,954.94	-	-	12,954.94
Carter, D.	60,030.99	83.54	-	60,114.53
Chapman, R. (4)	66,240.38	268.85	-	66,509.23
Collier, S.	60,030.99	335.80	610.59	60,977.38
Crawford, M.	60,030.99	524.90	-	60,555.89
Dies, J.	60,030.99	-	-	60,030.99
Drew, R.	60,030.99	305.62	-	60,336.61
Foster, A. (3) (4)	66,240.38	-	-	66,240.38
Hight, G. (3)	60,030.99	959.22	-	60,990.21
Kerr, R.	60,030.99	104.43	-	60,135.42
Leahy, C. (3)	60,030.99	-	1,603.91	61,634.90
Lee, S.	60,030.99	206.56	-	60,237.55
Marimpietri, T.	60,030.99	386.71	758.00	61,175.70
McLean, W.	60,030.99	111.81	-	60,142.80
Mitchell, D. (3) (4)	66,240.38	-	-	66,240.38
Mulcahy, R. (3)	60,030.99	-	-	60,030.99
Neal, Joe (3)	60,030.99	-	-	60,030.99
Neal, John	60,030.99	125.32	1,553.40	61,709.71
Nicholson, B.	60,030.99	82.13	-	60,113.12
Pickles, D.	60,030.99	287.82	-	60,318.81
Roy, E. (3)	60,030.99	-	-	60,030.99
Ryan, D. (4)	66,240.38	44.72	-	66,285.10
Schummer, W. (5)	6,700.83	-	-	6,700.83
Smith, T.	60,030.99	673.78	1,582.90	62,287.67
Wotten, W.	60,030.99	212.90	-	60,243.89
Yamada, S. (3)	60,030.99	-	-	60,030.99
	<u>1,725,361.05</u>	<u>6,006.63</u>	<u>7,345.19</u>	<u>1,738,712.87</u>

**REGIONAL COUNCIL MEMBERS
2020 REMUNERATION AND EXPENSES**

	<u>REMUNERATION</u>	<u>MILEAGE</u>	<u>CONFERENCES, MEETINGS & OTHER</u>	<u>TOTAL</u>
	\$	\$	\$	\$
<u>REGIONAL CHAIR</u>				
Henry, J.	205,171.28	2,904.78	980.42	209,056.48
	<u>205,171.28</u>	<u>2,904.78</u>	<u>980.42</u>	<u>209,056.48</u>

NOTES TO SCHEDULE OF REGIONAL COUNCIL MEMBERS 2020 REMUNERATION AND EXPENSES

- (1) Remuneration to the Regional Chair and Regional Councillors is authorized under by-laws #55-2018, #16-2007, #01-2005, #08-2004, #09-2004, #10-2004, #50-95 and #61-93.
- (2) Regional Councillors may claim reimbursement for expenses incurred for Regional business purposes in accordance with approved policies. Regional Councillors may decline reimbursement.
Mileage - based on the approved rate per kilometre.
Conferences, Meetings, etc. -
Meals & Incidentals - based on the approved rate of \$75/day without receipts; however, if the daily rate is insufficient, actual expenses with receipts are reimbursed.
Accommodation, registration, etc. - reimbursed based on actual receipts.
Term Limit maximum of \$10,000 for conferences.
- (3) Remuneration paid to Regional Councillor by Area Municipality and the Region reimburses the Area Municipality.
- (4) Denotes Regional Standing Committee Chair.
- (5) Appointment of Alternate Member to Upper Council under Section 267 of the Municipal Act, 2001, S.O. 2001, c. 25 - Councillor Brenner appeared on behalf of Councillor Ryan as an alternate for the City of Pickering, Councillor Schummer appeared on behalf of Councillor Bath-Hadden as an alternate for the Township of Brock.

**REGIONAL COUNCIL MEMBERS
2020 COMPENSATION PAID IN LIEU OF PENSION PLAN**

<u>REGIONAL COUNCIL MEMBERS</u>	<u>IN LIEU OF PENSION</u>
	\$
Ashe, K.	5,948.69
Bath-Hadden, D.	5,110.35
Carter, D.	5,110.35
Chapman, R.	5,948.69
Collier, S.	5,110.35
Crawford, M.	5,110.35
Dies, J.	5,110.35
Drew, R.	5,948.69
Henry, J.	25,991.96
Kerr, R.	5,110.35
Lee, S.	5,110.35
Marimpietri, T.	5,110.35
McLean, W.	5,110.35
Neal, John	5,110.35
Nicholson, B.	5,110.35
Pickles, D.	5,110.35
Ryan, D.	5,948.69
Smith, T.	5,110.35
Wotten, W.	5,110.35
	<u>121,331.62</u>

NOTES TO SCHEDULE OF 2020 COMPENSATION PAID IN LIEU OF PENSION PLAN

- (1) Pursuant to by-law #08-2004, members of Regional Council who are not enrolled in the Ontario Municipal Employees Retirement System (OMERS) are entitled to compensation in lieu of a pension plan. Payment is made in the current year based on prior year's earnings.
- (2) Pursuant to by-laws #16-2007 and #55-2018, the Regional Chair has the option to enrol in OMERS or to receive payment in Lieu of Pension.

REGIONAL COUNCIL APPOINTEES TO LOCAL BOARDS
2020 REMUNERATION AND EXPENSES

REGIONAL COUNCIL APPOINTEES	REMUNERATION	MILEAGE	CONFERENCES, CONVENTIONS, MEETINGS & OTHER	TOTAL
	\$	\$	\$	\$
Central Lake Ontario Conservation Authority				
Barton, D.	200.00	-	-	200.00
Chapman, R.	2,850.00	10.03	-	2,860.03
Hooper, R.	350.00	-	-	350.00
Jones, J.	350.00	-	-	350.00
Leahy, C.	350.00	14.75	-	364.75
Lee, S.	300.00	17.70	-	317.70
Marimpietri, T.	300.00	9.44	-	309.44
McDougall, I.	200.00	33.04	-	233.04
Mitchell, D.	350.00	21.83	-	371.83
Mulcahy, R.	350.00	14.16	-	364.16
Neal, John	350.00	20.65	-	370.65
Nicholson, B.	100.00	-	-	100.00
Pickles, D.	350.00	26.08	-	376.08
Roy, E.	300.00	18.88	-	318.88
Traill, C.	250.00	38.94	-	288.94
	6,950.00	225.50	-	7,175.50
Ganaraska Region Conservation Authority				
Neal, Joe	220.00	-	-	220.00
Zwart, M.	330.00	-	-	330.00
	550.00	-	-	550.00
Lake Simcoe Region Conservation Authority				
Barton, D.	1,200.00	33.04	-	1,233.04
Bath-Hadden, D.	600.00	-	-	600.00
Drew, R.	1,200.00	59.00	-	1,259.00
	3,000.00	92.04	-	3,092.04
Toronto & Region Conservation Authority				
Ashe, K.	952.82	99.00	-	1,051.82
Dies, J.	1,299.30	246.40	-	1,545.70
Highet, G.	1,472.54	357.50	-	1,830.04
	3,724.66	702.90	-	4,427.56
Durham Agricultural Advisory Committee				
Barrie, T.	-	309.15	-	309.15
Bath-Hadden, D.	-	-	-	-
Cohoon, Z.	-	-	-	-
Guthrie, N.	-	-	-	-
Highet, G.	-	-	-	-
Howsam, B.	-	40.71	-	40.71
Kemp, K.	-	238.36	-	238.36
Kennedy, K.	-	59.00	-	59.00
MacArthur, P.	-	31.15	-	31.15
O'Connor, G.L.	-	-	-	-
Puterbough, F.	-	-	-	-
Risebrough, D.	-	157.29	-	157.29
Schillings, H.	-	-	-	-
Smith, B.	-	105.73	-	105.73
Taylor, G.	-	63.37	-	63.37
Watpool, T.	-	70.56	-	70.56
Winter, B. D.	-	22.66	-	22.66
	-	1,097.98	-	1,097.98

REGIONAL COUNCIL APPOINTEES TO LOCAL BOARDS
2020 REMUNERATION AND EXPENSES

REGIONAL COUNCIL APPOINTEES	REMUNERATION	MILEAGE	CONFERENCES, CONVENTIONS, MEETINGS & OTHER	TOTAL
	\$	\$	\$	\$
Durham Environmental Advisory Committee				
Carpentier, G.	-	102.66	-	102.66
Chaudhry, O.	-	27.61	-	27.61
Clearwater, S.	-	49.56	-	49.56
Cuthbertson, J.	-	55.58	-	55.58
Dickinson, R.	-	67.97	-	67.97
Doody-Hamilton, C.	-	-	-	-
Duffy, C.	-	4.60	-	4.60
Foxton, B.	-	88.03	-	88.03
Layton, G.	-	14.63	-	14.63
Lee, S.	-	-	-	-
Lui, K.	-	142.66	-	142.66
Murray, K.	-	39.41	-	39.41
Sallans, D.	-	5.66	-	5.66
Shipp, B.	-	52.39	-	52.39
Stathopoulos, D.	-	57.54	-	57.54
Thompson, M.	-	41.30	-	41.30
Upadhyay, D.	-	-	-	-
Yamada, S.	-	-	-	-
	-	749.60	-	749.60
Durham Region Non-Profit Housing Corporation				
Carter, D.	6,000.00	-	-	6,000.00
Chapman, R.	-	-	-	-
Dies, J.	-	-	-	-
Foster, A.	-	-	-	-
Henry, J.	-	-	-	-
Mitchell, D.	-	-	-	-
Ryan, D.	-	-	-	-
	6,000.00	-	-	6,000.00
Durham Region Police Services Board				
Ashe, K.	11,401.76	123.56	428.85	11,954.17
Drew, R.	6,209.39	154.86	396.20	6,760.45
Fisher, K.	11,547.00	147.28	879.15	12,573.43
Henry, J.	6,209.39	-	91.14	6,300.53
	35,367.54	425.70	1,795.34	37,588.58
Energy From Waste - Waste Management Advisory Committee				
Baszyk, W.	-	171.51	27.91	199.42
Bracken, W.	-	39.88	-	39.88
Burrows, A.	-	17.35	-	17.35
Elhajjeh, S.	-	-	-	-
Farrell, T.	-	58.53	-	58.53
McLean, C.	-	17.94	-	17.94
Meydam, K.	-	17.58	112.99	130.57
Rocoski, G.	-	-	-	-
Sukhu, H.	-	-	-	-
	-	322.79	140.90	463.69

**REGIONAL COUNCIL APPOINTEES TO LOCAL BOARDS
2020 REMUNERATION AND EXPENSES**

REGIONAL COUNCIL APPOINTEES	REMUNERATION	MILEAGE	CONFERENCES, CONVENTIONS, MEETINGS & OTHER	TOTAL
	\$	\$	\$	\$
Land Division Committee				
Arnott, A.	1,884.15	-	-	1,884.15
Bavington, K.	1,884.15	647.02	25.38	2,556.55
Camposeo, A.	1,674.80	70.80	-	1,745.60
Georgieff, A.	3,091.32	209.98	9.60	3,310.90
Hudson, E.	1,884.15	140.04	20.03	2,044.22
Molinari, C.	1,884.15	130.74	41.01	2,055.90
O'Connor, G.L.	2,659.64	371.20	-	3,030.84
Smith, D.	1,884.15	910.62	-	2,794.77
	<u>16,846.51</u>	<u>2,480.40</u>	<u>96.02</u>	<u>19,422.93</u>
Trent Conservation Coalition Source Protection Committee				
Franklin, R.	400.00	-	-	400.00
	<u>400.00</u>	<u>-</u>	<u>-</u>	<u>400.00</u>

NOTE TO SCHEDULE OF REGIONAL COUNCIL APPOINTEES TO LOCAL BOARDS 2020 REMUNERATION AND EXPENSES

1. No remuneration or expenses were paid to Regional Council Appointees to the:
- 911 Management Board
 - Accessibility Advisory Committee
 - Association of Local Public Health Agencies
 - Association of Municipalities of Ontario
 - Business Advisory Centre Durham
 - Canadian National Exhibition Association
 - CTC Source Protection
 - Development Charges Complaint Committee
 - Durham Active Transportation Committee
 - Durham Advisory Committee on Homelessness
 - Durham Nuclear Health Committee
 - Durham Region Child and Youth Advocate
 - Durham Region Community Safety and Well-Being Plan Steering Committee
 - Durham Region Roundtable on Climate Change
 - Durham Region Transit Commission
 - Durham Regional Local Housing Corporation
 - Durham Vision Zero Task Force
 - Golden Horseshoe Food & Farming Alliance
 - Greater Toronto Airports Authority
 - Kawartha Region Conservation Authority
 - Local Diversity and Immigration Partnership Council
 - Royal Agricultural Winter Fair Association
 - South Georgian Bay-Lake Simcoe Source Protection Committee
 - Strategic Plan Development Task Force
 - Toronto Global
 - Transit Advisory Committee

Resolutions from Advisory Committees

Durham Region Roundtable on Climate Change Committee

1. Unflood Ontario: Call to Action Resolution

That we recommend to the Finance and Administration Committee for approval and subsequent recommendation to Regional Council:

That the Region of Durham join the Unflood Ontario Network and commit to the following:

- Having the Region of Durham listed in the Unflood Ontario “About Us” section under the following wording: “Our Network: The following groups and individuals are working together to “unflood” Ontario by educating and engaging the public about the impact of floods and the multiple benefits of Natural Infrastructure.”;
- Using the Region's communications channels to promote and share, where feasible, Unflood Ontario communications content (eg. the videos, reports, social media messaging, etc.) starting on April 19th (the launch date); and
- Exploring with Unflood Ontario any collaboration opportunities to promote Natural Infrastructure;

Acknowledging Unflood Ontario will:

- Provide the Region with a communications schedule and timely access to content to ensure the Region has sufficient time to plan and distribute Unflood Ontario content in a way that best assists the Region;
- Work with the Region to meet any communications special needs and/or opportunities; and
- Help the Region further its goals related to flood reduction and Natural Infrastructure.