

# Report 2024-COW 12

## 2024 Annual Climate Change Progress Report

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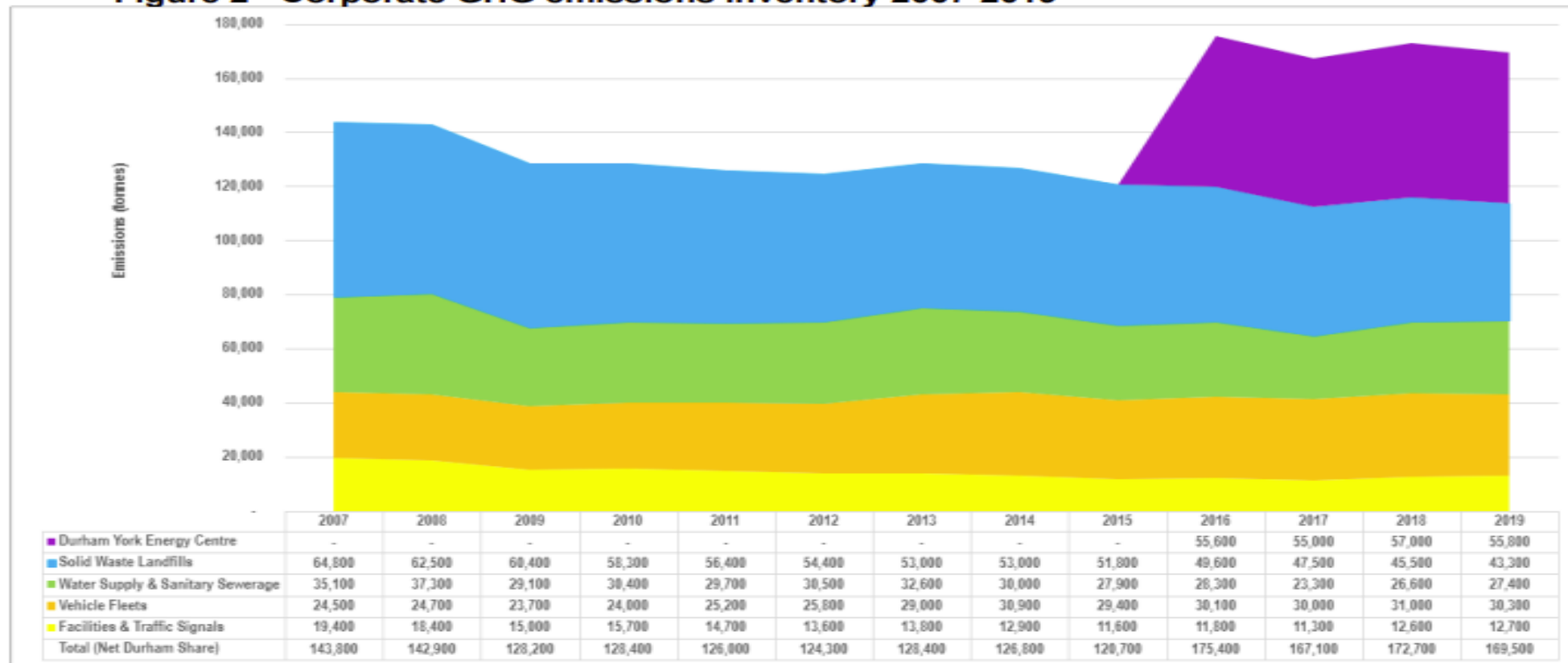
DYEC - the Elephant in the Room

Durham Region Council April 24, 2024

# DYEC's impact on Durham's Corp. GHG emissions. Should require staff report same details annually.

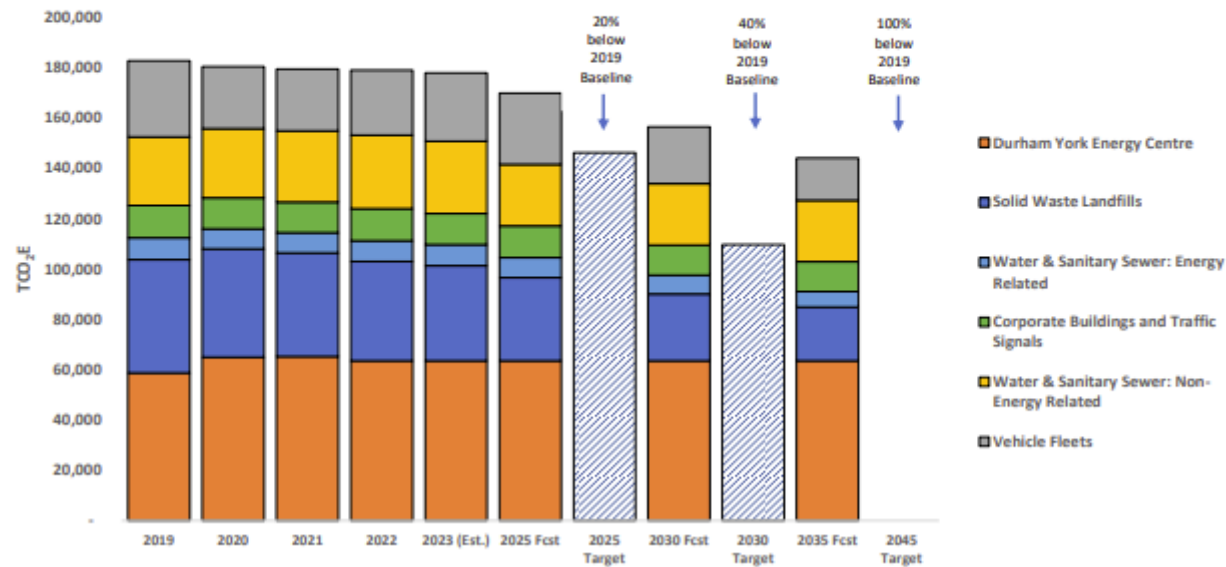
Durham report 2021 A-3, Pg 7 Figure 2

**Figure 2 - Corporate GHG emissions inventory 2007-2019**



# Why does Report 2024 COW 12 chart depict DYEC's non-biogenic GHGs as relatively constant?

**Figure 5: Durham Region Total Corporate Emissions, 2019 to 2023 (Estimated) (MtCO<sub>2</sub>e)**

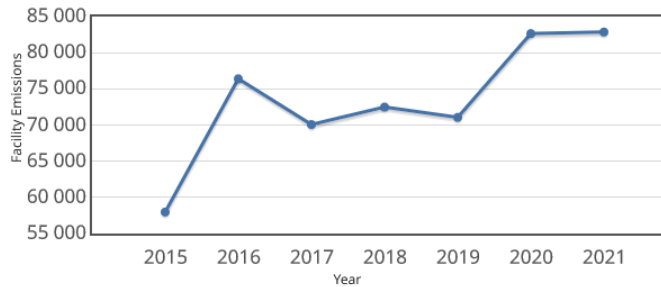


# NPRI shows increasing non-biogenic reported emissions through to 2021

<https://climate-change.canada.ca/facility-emissions/GHGRP-G10805-2022.html?GocTemplateCulture=en-CA&external=true>

## Annual Reported Emissions

Facility Emissions (tonnes CO<sub>2</sub> eq ) by Year



Facility Emissions (tonnes CO<sub>2</sub> eq ) by Year

<u>Year</u>	<u>Emissions</u> <u>(tonnes CO<sub>2</sub> eq)</u>
2015	57 976
2016	76 404
2017	70 078
2018	72 494
2019	71 070
2020	82 655
2021	82 868

# Ontario Dataset: reported biogenic, non-biogenic & Total CO<sub>2</sub>e

<https://data.ontario.ca/dataset/greenhouse-gas-emissions-reporting-by-facility/resource/0996bfd9-ed27-4f78-8ed1-9e024185f10a/view/2546a05c-a38b-452c-8105-17d8c7215a00>

The screenshot shows a web browser window with the Ontario Data Catalogue interface. The URL in the address bar is [data.ontario.ca/dataset/greenhouse-gas-emissions-reporting-by-facility/resource/0996bfd9-ed27-4f78-8ed1-9e024185f10a/view/2546a05c-a38b-452c-8105-17d8c7215a00](https://data.ontario.ca/dataset/greenhouse-gas-emissions-reporting-by-facility/resource/0996bfd9-ed27-4f78-8ed1-9e024185f10a/view/2546a05c-a38b-452c-8105-17d8c7215a00). Below the browser window, there are navigation options: Grid (selected), Graph, and Map. It indicates there are 7 records and a pagination control showing page 1 of 100. The table below displays the data for facility 1178 from 2015 to 2021.

Ontario ...	Year	Facility ...	Facility ...	Facility ...	Carbon dioxide (CO2) from non-biomass...	Carbon dioxide (CO2) from biomass ...	Methane...	Nitrous ...	Total CO2e from all sources ...	Reporti...	Verificat...
1178	2015	Covanta ...	Durham ...	562210	55459.25	58254.34	810.495	1614.17	116139	57884	57884
1178	2016	Covanta ...	Durham ...	562210	72024.64	73483.53	1056.1299	2088.563	148653	75170	75170
1178	2017	Covanta ...	Durham ...	562210	66578.47	88538.79	1133.7354	2236.65	158488	69949	69949
1178	2018	Covanta ...	Durham ...	562210	69446.19	85624.92	1131.0222	2232.961	158436	72811	72811
1178	2019	Covanta ...	Durham ...	562210	67555.7	88475.28	1354.7575	2159.606	159546	71071	71071
1178	2020	Covanta ...	Durham ...	562210	78959.81	96441.506	1424.9475	2269.7766	179097	82655	82655
1178	2021	Covanta ...	Durham ...	562210	79274.79	91675.51	1384.70...	2208.5674	174544	82869	82869

# Ask WHY GHG's increasing with relatively stable tonnage other than 2020's one time approved capacity increase?

Data source: <https://data.ontario.ca/dataset/greenhouse-gas-emissions-reporting-by-facility/resource/0996bfd9-ed27-4f78-8ed1-9e024185f10a/view/2546a05c-a38b-452c-8105-17d8c7215a00>

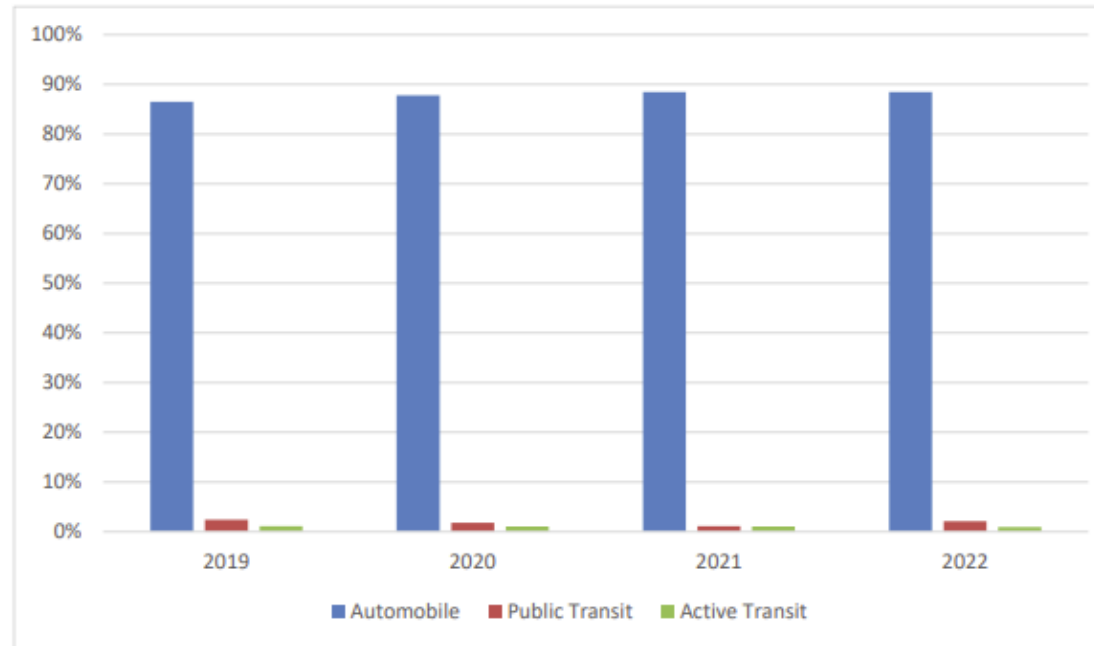
Year	Net Tonnes MSW	CO2 from NON-Biomass	CO2 from Biomass	TOTAL CO2e from ALL Sources	Reporting Amount in CO2 e (t)
2015	Commissioning	55,459.25	58,254.34	116,139	57,884
2016	128,507	72,024.64	73,483.53	148,653	75,170
2017	139,758	66,578.47	88,538.79	158,488	69,949
2018	140,775	69,446.19	85,624.92	158,436	72,811
2019	139,271	67,555.7	88,475.28	159,546	71,071
2020	145,341	78,959.81	96,441.506	179,097	82,655
2021	140,103	79,274.79	91,675.51	174,544	82,869
2022	140,552	N/A			
2023	140,271	N/A			

# DYEC's TOTAL GHG emissions should be reported to Council, as they are to Ontario.

- Ask WHY the DYEC's GHG emissions are increasing?
- E.g. are there more fossil fuels based materials e.g. plastics? More natural gas used and if so, why? What else?
- WHO calculates DYEC's GHGs, from WHAT data source(s) and how are biogenic & non biogenic fractions determined? WHO verifies?
- Council must require traceable accounting of all GHG data reported. Council must know and owe the public complete transparency.
- COW-12 Pg 4, Sec. 2.1 b) states: *The transportation sector....continues to be **the largest source of GHG emissions overall in Durham Region.***

Investing in transit should be a Council priority to reduce GHGs, address Affordability/Accessibility Crises & improve Air Quality

**Figure 3: Durham Region – Percentage of total trips per mode<sup>1</sup>**



- b. The Region has a critical role to play in enabling low carbon mobility through public transit service, and through investment in active transportation infrastructure through the Regional Cycling Plan, including strengthening its Transportation Demand Management (TDM) offerings and policies under its Smart Mobility Durham program.



# Successive Councils have not taken CONSISTENT & MEANINGFUL actions to reduce Durham's GHGs.

- IF Durham were serious about addressing it's largest source of corporate GHGs (the DYEC) council would WITHDRAW capacity increase request to 160,000 tpy.
- Total garbage tonnage **could be reduced** IF Works Committee were committed to supporting efforts to address waste at the front end.
- Spending time & money on district energy that portrays the DYEC, your HIGHEST Corporate GHG emitter, as a source of "low carbon" heat, is ridiculous & wasteful greenwashing. (2024-COW-1).
- Climate Change is a human rights issue. Citizens taking governments to court.
- To those of you considering a run for Regional Chair, your records on the DYEC, Budgets as well as the Climate and Transit files will be closely monitored.
- Please know this: ***"If you're a bystander in this era of climate risk, you're not neutral. You're part of the problem"*** (Growing US Cities Face Climate Problems - Globe & Mail July 29, 2023)
- Thank you for your attention. QUESTIONS??