



CITY OF BRAMPTON ECDMP 2024-2029 Update Summary Presentation

June 4, 2024

WALTERFEDY

PROJECT & GOALS

OVERALL GOAL

- 45% GHG reduction by 2030
- Net Zero GHG emissions by 2050

ENERGY CONSERVATION AND DEMAND MANAGEMENT PLAN (ECDMP)

- Provides overview of municipal GHG emissions, examines the impact of previous measures undertaken to reduce GHG emissions, outlines proposed measures to reduce GHG emissions in next 5 year period

PROJECT TARGETS

- Create a roadmap to help achieve the 2050 goal by building scenarios for the short term (2025-2029), medium term (2030-2035), and long term (2035-2050).

CHANGE IN GHG EMISSIONS

Sector	2010 Emissions (tCO2e/yr)	2023 Emissions (tCO2e/yr)	2023 Reduction (tCO2e/yr)	2023 % Reduction	2023 Equivalent Emissions (tCO2e/yr)	2023 Equivalent Reduction (tCO2e/yr)	2023 Equivalent % Reduction
Recreation	11,296	9,375	1,921	17.0	7,416	3,880	34.3
Transit	4,061	4,499	-437	-10.8	4,490	-429	-10.6
Corporate	2,283	2,013	270	11.8	1,507	777	34.0
Parks	500	277	222	44.5	259	240	48.1
Fire	482	538	-56	-11.6	352	129	26.9
Library	278	351	-72	-26.0	309	-31	-11.1
Works Operations	107	1,212	-1,105	-1,036.4	0	107	100.0
EV Chargers	0	29	-29	-	0	0	-
Public Lighting	0	1,042	-1,042	-	0	0	-
Overall	19,007	19,336	-329	-1.7	14,333	4,674	24.6

RECOMMENDED MEASURE SUMMARY

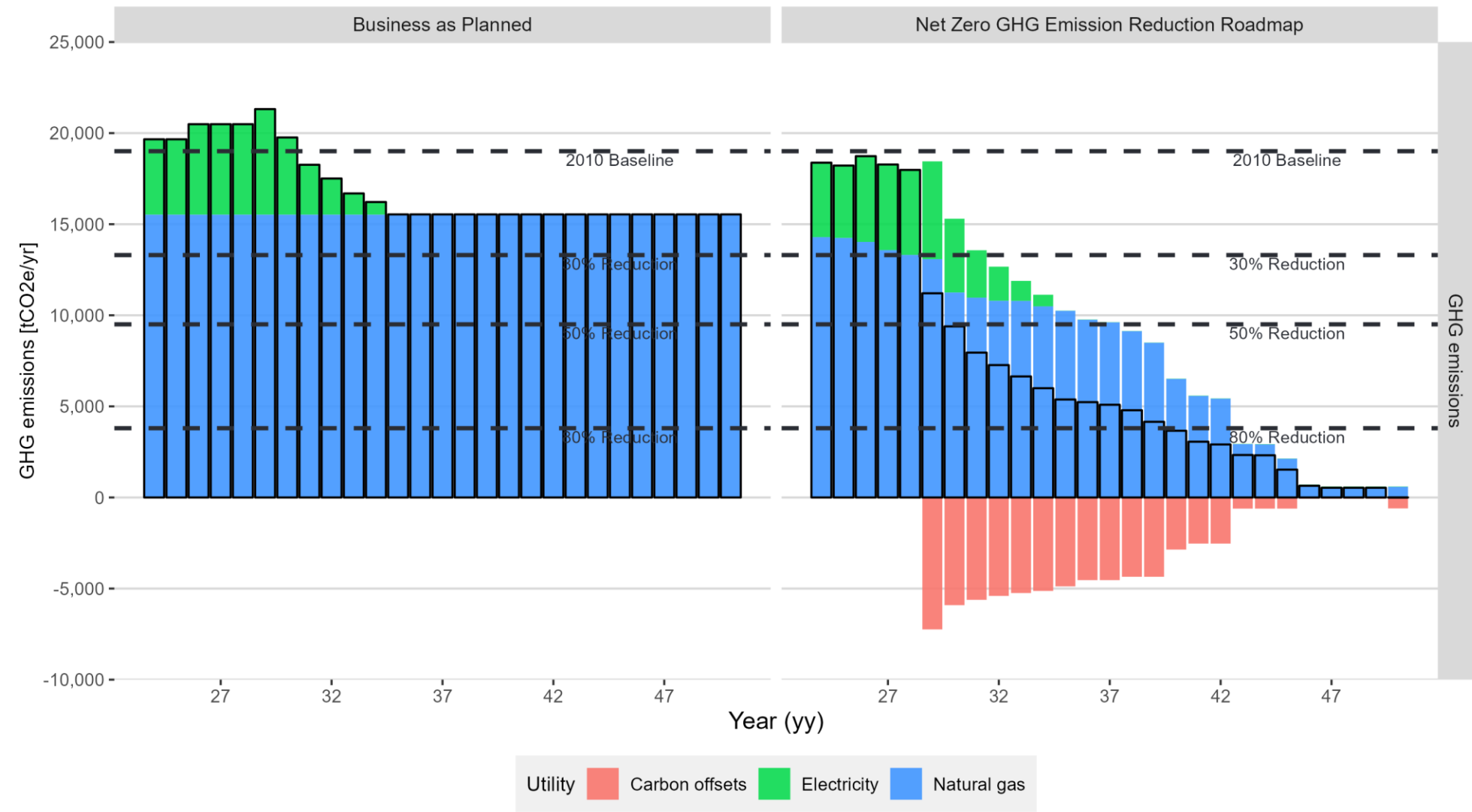
Short Term

- Lighting upgrades
- HVAC optimization measures
- Net zero retrofits
 - Susan Fennel Sportsplex
 - Earnscliffe Recreation Centre
- Additional deep retrofit studies

Medium and Long Term

- Remaining lighting upgrades and HVAC optimization
- HVAC equipment to heat pumps
- Domestic hot water heaters to heat pumps
- Installation of solar PV arrays
- Gas-fired equipment electrification
- Development of new build policy
 - Net zero or near net zero new builds

PROJECTED TRENDS IN GHG EMISSIONS



PROGRESS TOWARDS GOALS

Year	2029	2035	2050
Targeted reduction from 2010	45%	-	Net zero
Projected reduction in GHG emissions	3%	46%	97%
Projected reduction in GHG emissions including offsets	41%	68%	100%



QUESTIONS



WALTERFEDY