




Hamilton

INFORMATION REPORT

TO:	Mayor and Members General Issues Committee
COMMITTEE DATE:	July 8, 2024
SUBJECT/REPORT NO:	O. Reg 25/23 Conservation and Demand Management Plan 2024 (PW24034)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Linda Campbell (905) 546-2424 Ext. 2810
SUBMITTED BY:	Indra Maharjan Director of Corporate Facilities & Energy Management Public Works
SIGNATURE:	

COUNCIL DIRECTION

N/A

INFORMATION

The development of the City of Hamilton’s Conservation and Demand Management (CDM) Plan is intended to meet the expectations under O. Reg. 25/23: *Broader Public Sector (BPS): Energy Reporting and Conservation and Demand Management Plans*. The regulation requires that a plan be submitted every five years, for it to be endorsed by City Council and the Senior Leadership Team and for it to be available to the public by posting it to the City’s website by August 1, 2024.

The City’s Conservation and Demand Management Plan has been prepared by Corporate Facilities & Energy Management staff and is a strategic five-year plan to outline and highlight previous, current and proposed energy conservation measures and renewable energy generation activities within the City to reduce its corporate energy usage and greenhouse gas (GHG) emissions in corporate facilities and in alignment with corporate targets and policies in line with council priorities 2022-2026.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

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The City of Hamilton is committed to decarbonization. In 2021, City Council approved a corporate target of net-zero emissions by 2050. This CDM plan covers actions implemented in the past five years and actions to be undertaken city-wide over the next five years to move Hamilton towards net-zero by 2050.

There are five key focus areas that will support the city achieve its targets. The broad focus areas are:

- Pathway to Net Zero Initiatives;
- Achieving Operational Resiliency;
- Low Carbon Fuel Transition;
- Renewable Energy Generation, and;
- Education and Reporting.

In addition to complementing the targeted goals outlined in the Corporate Energy and Sustainability Policy, and the activities carried out by Office of Energy Initiatives and Office of Climate Change Initiatives, the development of this CDM Plan aligns with other City initiatives and plans currently in place or underway at the City, such as the City of Hamilton’s Strategic Plan 2016-2025, our City Council Priorities for the 2022-2026 Council term, the Community Energy and Emissions Plan (ReCharge Hamilton), and the Climate Change Impact Adaptation Plan.

To meet the requirements of the regulation, the CDM Plan must include a review of the previous CDM Plan (2019) measures and provide updated details on energy usage and corporate facility emissions. These updates are also reported annually via the Broader Public Sector reporting platform. The last five years results are shown in Table 1 below and detailed within the Appendix “A” to Report PW24034.

Table 1: Broader Public Sector Reporting Summary (2019-2023)

	2019	2020	2021	2022	2023
Electricity (kWh)	90,994,288	75,559,362	81,000,952	86,789,622	85,805,251
Natural Gas (GJ)	386,467	329,082	317,030	358,641	341,462
Combined Energy Use (GJ)	781,745	657,736	667,713	753,512	725,445
GHG (t CO ₂ e)	26,438	22,851	22,449	25,525	24,104
Energy Use Intensity (GJ/ m ²)	1.25	1.06	1.07	1.21	1.16
GHG Intensity (t CO ₂ e/ m ²)	0.042	0.037	0.036	0.041	0.039

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The City of Hamilton manages its corporate energy portfolio with a focus on meeting its targets in energy intensity, reducing GHG emissions, improving the efficiency of fleet vehicles and promoting renewable energy generation. The development of this CDM plan represents the continued commitment to achieving these goals by identifying and implementing energy conservation or GHG emission-reduction projects, renewable energy generation projects, updating relevant policies to better align corporate activities to targets, and increasing education and engagement corporately and with the community.

The attached CDM Plan has been prepared through multiple internal stakeholder input and endorsed by Senior Leadership Team. Energy Management informed and sought feedback for the Plan from the following parties:

- Corporate Facilities and Energy Management Division, Public Works Department
- Office Climate Change Initiatives, Planning & Economic Development Department
- Hamilton Water, Public Works Department
- Hamilton Public Library
- Hamilton Police Services
- Recreation, Healthy and Safe Communities Department
- Digital and Innovation, City Manager Office
- Transit, Public Works Department
- Fleet, Public Works Department
- Public Works Climate Team

APPENDICES AND SCHEDULES ATTACHED

Appendix “A” to Report PW24034 – Conservation and Demand Management Plan
2024