



Meeting Date: August 16, 2023

Submitted by: Aubrey Jongsma – Asset Management Coordinator

Report No: XX

Subject: Annual Energy Consumption Report 2021

Recommendation:

THAT the annual Energy Consumption and Greenhouse Gas Emissions Report for 2021 be approved for publication.

Purpose:

To provide Council the annual energy consumption and greenhouse gas emissions report for 2021 as submitted on July 1, 2023 to the Ministry of Energy.

Background:

On February 23, 2023, Ontario Regulation 25/23 (Broader Public Sector: Energy Reporting and Conservation and Demand Manager Plans) replaced O.Reg. 507/18, (Broader Public Sector: Energy Reporting and Conservation and Demand Management Plans). The new regulation retains the same policy intent and many of the provisions of the former BPS. Key changes in the new regulation include:

- 1) Adoption of new reporting system replacing the outdated platform that has reached the end of its life.
- 2) Phased in the energy consumption and GHG emissions reporting period from two calendar years in the past to one calendar year in the past.
 - a. Reporting for one year (2021 energy data) in 2023 with no change to the current reporting requirements.
 - b. Reporting for two years (2022 and 2023 energy data) in 2024 as a transitional year.
 - c. Starting in 2025, reporting for one year (2024 energy data in 2025).
- 1) Prescriptive elements updates including new unit of measurements. O. Reg. 25/23 (Broader Public Sector: Energy Reporting and Conservation and Demand Manager Plans) requires broader public sector (BPS) organizations to:
 - 1) Report their annual energy consumption and greenhouse gas (GHG) emissions to the Ministry of Energy and make the information available on their website; and
 - 2) Develop and implement an Energy Consumption and Demand Management

(ECDM) plan which to be updated every five years. Organizations are required to post their plans on their website. The next ECDM is due July 1, 2024.

Analysis:

To comply with O.Reg. 25/23, Middlesex Centre has recorded and published energy consumption data since 2011. As required, such data has been submitted to the Ministry of Energy and been made available on the Municipality's website.

The current ECDM Plan (2019-2024) was developed and approved by Council on August 2, 2022, outlines goals and objectives of the Municipality with respect to conservation and reducing energy consumption of electricity and natural gas. A target of 1% energy consumption per annum was set. To date, the Municipality have surpassed the consumption target for electricity however have fallen behind with its target for natural gas.

Results from 2021 energy consumptions:

- All Municipality of Middlesex Centre facilities are well below the national medians.
- Out of all the facilities reported the Middlesex Centre Wellness & Recreation Complex is the highest consumer of both electricity and natural gas and the largest contributor of the municipality's GHG emissions.

Financial Implications:

None

Strategic Plan:

This matter aligns with following strategic priorities:

- Sustainable Infrastructure and Services

Attachments:

Energy Consumption and Greenhouse Gas Emissions Report 2021