



**CORPORATE FACILITIES
MEMORANDUM**

Page: 1
File: E11
Pending #:

TO: MAYOR J. LEHMAN AND MEMBERS OF COUNCIL

FROM: A. MCMULLIN, MANAGER OF ENERGY MANAGEMENT, EXT. 5097

NOTED: R, PEWS, P.ENG, DIRECTOR OF CORPORATE FACILITIES

D. MCALPINE, GENERAL MANAGER OF COMMUNITY AND CORPORATE SERVICES

M. PROWSE, CHIEF ADMINISTRATIVE OFFICER

RE: CONSERVATION AND DEMAND MANAGEMENT PLAN 2020 – 2024 (ALL WARDS)

DATE: JUNE 17, 2019

The purpose of this memorandum is to inform members of Council that a draft of the corporate 2020-2024 Conservation and Demand Management Plan, an update of the previous 2014-2019 report, will be posted online in addition to the City's annual Energy Consumption and Greenhouse Gas Emissions report. In the fall, staff will present the updated Conservation and Demand Management Plan to Council for review and endorsement in principle.

Energy Conservation & Demand Management Plan Renewal Background

Ontario Regulation 507/18 requires municipalities to report annually on their energy usage and greenhouse gas emissions. The regulation also requires municipalities to update their energy conservation and demand management (CDM) plan every five years. The annual usage and emissions report and CDM plan must be posted publicly by July 1.

Energy Management staff have updated the initial CDM plan that was developed in 2012 with a new framework that lays out a path toward energy optimization over the period of 2020 to 2024.

The draft plan establishes three targets that capture the energy impact for operations at all facilities, water and wastewater infrastructure. These are intensity-based targets, which allow for benchmarking against other facilities and are an effective means of measuring performance for process based operations such as water and wastewater. These targets include:

- Facility Target:
 - Reduce the energy intensity of facility operations by 24%, representing an annual operating cost savings of over \$700,000.
- Water & Wastewater Target:
 - Reduce the energy intensity required to produce drinking water and process wastewater effluent by 10%, representing an annual operating cost savings of \$220,000.

Combined, these targets represent 85% of the City's energy use and cost. Realising these targets will reduce current overall energy consumption by 18% and generate an annual cost avoidance exceeding \$900,000. Achieving these targets will involve implementing key priority actions targeted within eight elements of an energy management program, including:

- Commitment
- Planning
- Projects
- Financing
- Training
- Monitoring, tracing & reporting

The draft plan will be posted on the [Energy Efficiency](#) page on the City's website to allow for community feedback prior to finalization of the report to General Committee and Council regarding the plan.