

Municipality of Clarington

Greenhouse Gas Reduction Pathway Study



Description

The Municipality of Clarington was awarded a grant through the Federation of Canadian Municipalities' Community Building Retrofit (CBR) Initiative to complete a Greenhouse Gas (GHG) Reduction Pathway Study in 24 of the buildings owned and operated by the Municipality.

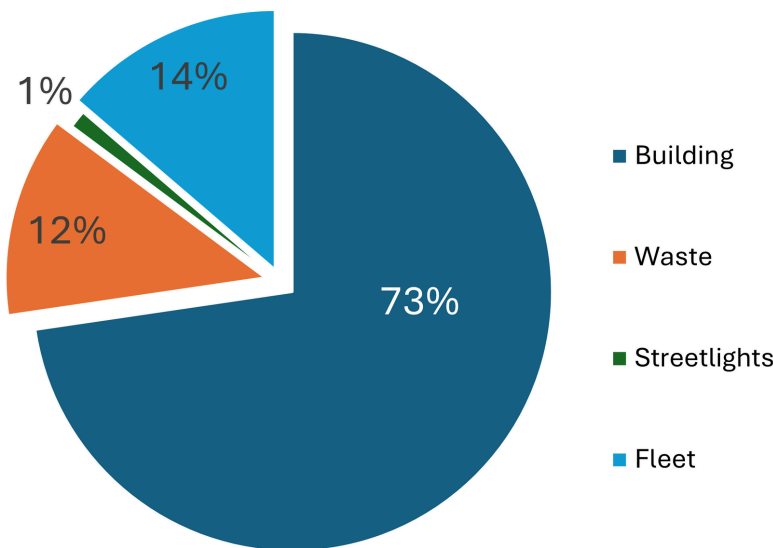
The Study will enable decision-makers to make informed capital planning decisions to reduce greenhouse gas (GHG) emission. The Study aims to identify and assess various GHG reduction measures and create a plan to reduce emissions by at least 50% within 10 years and 80% within 20 years. It considers factors like cost, energy performance, facility operations, and our sustainability goals.

Desired Outcomes

- ◆ The overall intent of the Study is to enable the Municipality to evaluate and choose GHG reduction strategies that best align with our organizational, financial, and operational goals, while also addressing the capital and maintenance constraints specific to our buildings.
- ◆ The study's outcome includes a detailed plan (or pathway) to reduce emissions by at least 50% within 10 years and 80% within 20 years.
- ◆ The work supports our Corporate Climate Action Plan (CCAP) which sets targets for the Municipality to achieve net-zero emissions by 2050.

Baseline GHG Emissions

Clarington GHG Emissions by Source, 2018 (in tCO_{2e})



Progress to Date

The Study is currently in progress. Energy audits have been conducted at the facilities included in the Study and measures have been proposed by the Consultant. Workshops have been held with relevant staff to review the proposed measures for inclusion in the final pathway. Preparation of the final pathway scenario is underway and will be presented to staff as well as Clarington Council.

Clarington Facilities



Long-term Vision and Sustainability Commitment

The effects of climate change are already being felt by communities in the Durham Region, including Clarington. Climate modelling projections indicate that these impacts will become more intense and severe over the coming decades. The Municipality of Clarington is dedicated to anticipating and addressing the impacts of climate change.

Through its CCAP, Clarington has outlined 115 actions to respond to the causes and impacts of climate change, with an ultimate goal of achieving net zero GHG emissions by 2050. The Clarington Strategic Plan 2024-27 further solidifies the Municipality's commitment to climate action by prioritizing climate action and implementing the action items identified in the CCAP.

The Study will help support our decision-makers in making early, informed decisions on capital planning for our assets that align with our GHG reduction targets and other asset resilience goals.

