

Task Force Communique

Community Energy and Emissions Reduction Plan (CEERP)

Task Force Meeting #2, May 22, 2019

The City of Brampton, in partnership with Sheridan College has embarked on the development of a Community Energy and Emissions Reduction Plan (CEERP). The CEERP aims to integrate efforts of the municipality, local utilities and community stakeholders and create a roadmap that will improve energy efficiency, reduce greenhouse gas emissions, ensure energy security, create economic advantage, and increase resilience to climate change. The CEERP directly supports the goals of two major City–approved plans, the [Brampton 2040 Vision: Living the Mosaic](#) and the [Brampton Grow Green Environmental Master Plan](#).

Sheridan College is building on the success of its own Integrated Energy and Climate Management Plan, which has the college on track to reduce its greenhouse gas emissions by 50 percent by 2020. Sheridan and its strategic partners bring decades of combined experience working with community and institutional clients in Ontario to develop world-class, long-term energy and climate master plans.

Key Analytical Findings

- Two implementation frameworks containing measured actions were tested in their ability to achieve the selected energy consumption and greenhouse gas emissions targets:
 - Improve Brampton’s energy efficiency by 50 percent by 2041 from 2016
 - Reduce Brampton’s absolute greenhouse gas emissions by 50 percent by 2041 from 2016
 - Establish a pathway for Brampton to reduce its absolute greenhouse gas emissions by 80% from 1990 levels to meet 2050 national and international goals
- The two implementation frameworks are the “moderate-action case” and the “high-action case” and were run through scenarios considering various measures and strategic actions based on the following priorities:
 1. Increase energy efficiency
 2. Maximize heat recovery
 3. Extend and integrate energy distribution
 4. Maximize clean and renewable energy supply

- Each “action case” quantified potential energy savings and other community benefits if energy and greenhouse gas targets are met.
- The result of the implementation tests are as follows:
 - Implementation of the “Reference Case” would result in
 - Exceeding CEERP GHG target by 7% by 2041
 - Missing CEERP Efficiency target by 9% by 2041
 - Falling far short of Federal Emissions Goal
 - Implementation of the “High-action case” would result in
 - Meeting CEERP GHG and Efficiency targets
 - Meeting Federal Emissions Goal
- Brampton’s *Community Energy and Emissions Reduction Plan Task Force* is proceeding to develop a recommendation to achieve both energy and greenhouse gas targets, while contributing to the economic development, livability and resiliency of the City.

Project Partners

The City of Brampton recognizes that a big part of Brampton’s livability relies on affordable and sustainable energy now and into the future. The City leads by example through programs like the implementation of an Energy Conservation and Demand Management Plan, ensuring all new construction meets LEED requirements, and conversion of streetlights to high-efficiency LED lights.

Sheridan College is building on the success of the implementation of its own Integrated Energy and Climate Management Plan, which has the college on track to reduce its greenhouse gas emissions by 50 per cent by 2020 and generate positive investment returns. Sheridan’s energy and climate story has been presented at three major international symposia in the last few months. Sheridan and its strategic partners bring decades of combined experience working with community and institutional clients in Ontario to develop world-class, long-term energy and climate master plans.

About the project

Brampton’s CEERP will act as a guide to help the City, its residents, and businesses develop and adopt new best practices to improve our overall energy efficiency, reduce energy costs and make positive economic and environmental impacts in our community. The plan will help us look

at how we can better use energy in our homes and businesses, through our transportation choices and land use decisions .

The ultimate goal of the plan is to help us as a community:

- reduce energy costs and keep energy dollars local
- use energy more efficiently and reduce waste
- decrease greenhouse gas emissions
- create more opportunities to attract businesses and jobs
- increase the security of our energy supply
- enhance our resiliency to climate change