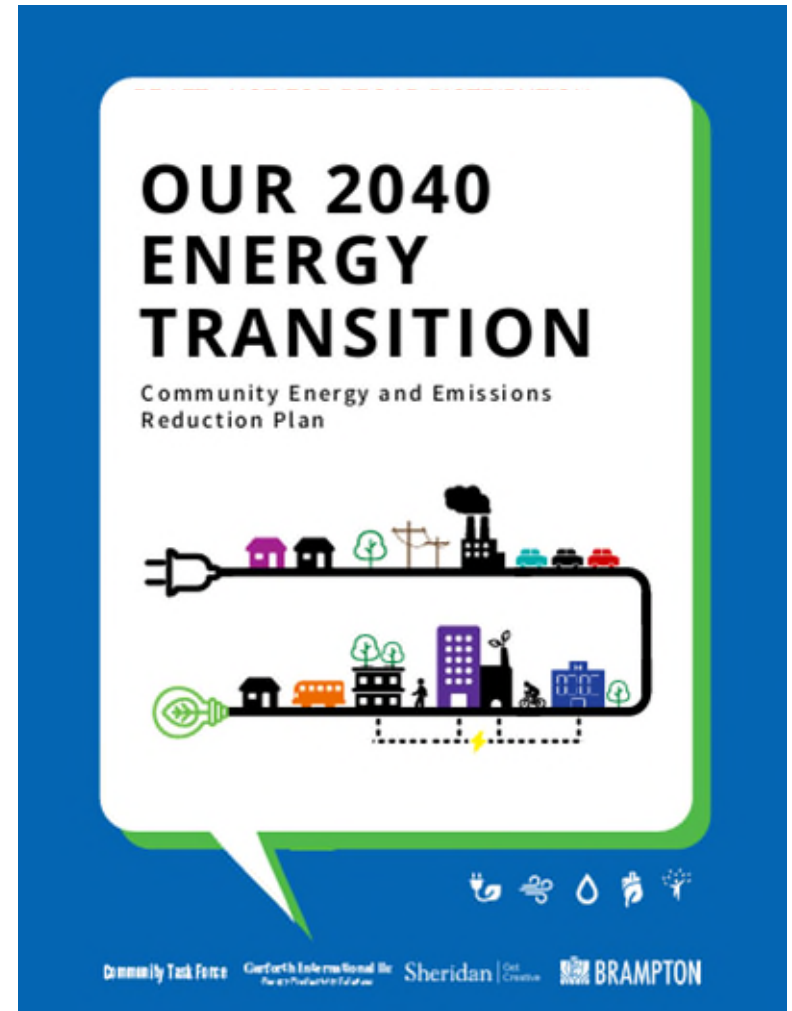


Community Energy And Emissions Reduction Plan

Task Force Meeting #8

June 18, 2020

Virtual Meeting



Agenda

1. Welcome and Opening Remarks	Chair
2. Agenda Review	Chair
3. Task Force Business (Update)	Pam
4. Updated CEERP Report	Pam
5. Centre for Community Energy Transformation	Pam
6. Committee of Council	Pam/Mike
7. Adjourn	Chair

Agenda

- 1. Welcome and Opening Remarks**
- 2. Agenda Review
(ensure receipt of the revised CEERP report)**

3. Task Force Business (Update)



Final CEERP Report

- Main CEERP Report (Appendices)
- Analytical Report (Appendices)
- Engagement Summary (Appendices)



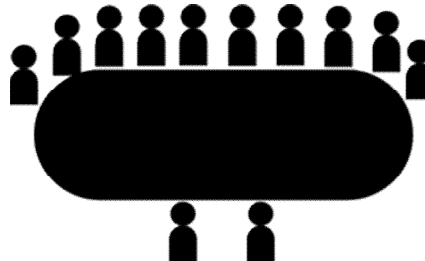
Engagement

- 6 open houses were scheduled in March, 3 completed
- Participation from Task Force Members
- Divisional Updates



Staff Report to Committee of Council (August/September)

- Staff report to accompany CEERP Report
- Separate Staff report on CCET (ISB)
- Presentation by Staff AND Task Force



Council

- Approve
- Directs Staff

3. Task Force Business (Update)

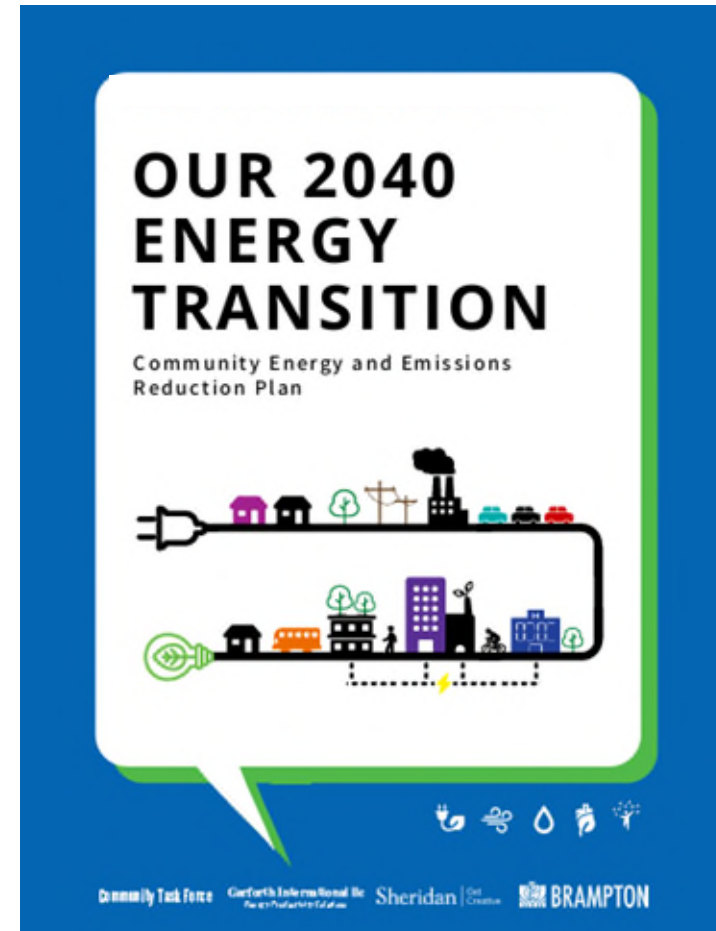
Key Dates

Activity	Date
CEERP Task Force #8	June 18, 2020
Divisional Meetings	Ongoing
Circulate CEERP report to commenting Departments	July 2020
Finalize CEERP report	July 2020
Finalize CEERP and CCET Staff Reports	July 2020
Start formal circulation process for CEERP and CCET reports	July 2020
Preparation of presentations and delegation(s)	July/August 2020
Committee of Council	August/September

4. Updated CEERP Report

Main CEERP Report

- New look (visual, infographics, timelines, colours, columns, key takeaways)
- Outline Report Revisions
 - Transportation Targets
 - Priority Projects



4. Updated CEERP Report Revised Look

CHAPTER 5

Brampton's Community Energy & Emissions Reduction Plan

Securing Our Future

KEY TAKEAWAYS

- Community Energy Planning is an evidence-based approach to understanding where and how energy is used and emissions released in a community to identify local opportunities and priorities for increasing energy efficiency, reducing GHG emissions, and lowering energy costs.
- The CEERP Framework is endorsed and recommended by the Community Task Force.
- The CEERP Energy Goal is to reduce community-wide energy and use by at least 50% from 2016 levels by 2041.
- The CEERP Emissions Goal is to reduce community-wide emissions by 50% from 2016 levels by 2041, and to establish a pathway to reduce emissions by at least 80% in 2050 to meet or exceed federal and provincial targets.
- The CEERP Economic Goal is to retain at least \$26 billion in cumulative energy costs within the community by 2041.
- Twenty-four objectives organized around seven strategic directions are identified that, if realized, will lead to the successful achievement of the three CEERP Goals.
- Six priority projects were identified as critical projects for the next five years.
- Each sector of the community (i.e. municipal governments, utilities, industry, businesses, institutions, development, community organizations, and residents) have a role to play in the successful implementation of the CEERP.
- To ensure that the CEERP does not "sit on a shelf" and implementation of the 2020-2025 priority projects are achieved and sustained, dedicated resources are needed to coordinate, oversee, and report on overall progress. These resources range from political, regional, municipal, and community stakeholders to individuals.
- A full glossary of terms is available at the beginning of this report. Some of the key terms used in this chapter include: Latest Energy Transition, and Carbon Neutrality.

In Brampton, the highest energy system losses were associated with electricity use. Increasing local electricity generation would reduce the economic impact of these losses on the community. In 2016, locally-generated solar power supplied less than 0.5% of Brampton's electricity needs. Traditionally, municipalities have had a limited role in solar supply. There is opportunity for the City of Brampton, Region of Peel, and local community to play a bigger role in encouraging and building solar infrastructure through advocacy and other direct means. The Community Organization and the retrofit program are vehicles in which solar power can be advanced in Brampton.

Local utilities will play a major role in managing the migration of energy supply to a more decentralized system. Partnerships with and between local industry will also be needed to capitalize on the best opportunities within the city for Distributed Energy Systems. Individual residents and property owners will also play an important role as the option to generate energy off grid becomes more feasible.



4. Updated CEERP Report Revisions

Report Revisions

- Addresses comments from Task Force members
- Includes increased narrative
- Additional sections:
 - Glossary
 - Executive Summary
 - The Climate Reality
 - Energy Transitions
 - Opportunity of a Century
 - Brampton Today
 - Community Energy and Emission Plan
 - ✓ Strategic Directions
 - ✓ Objectives and Targets
 - ✓ Priority Projects
 - ✓ Action Plan
 - ✓ Roles
 - ✓ Getting There
 - ✓ Monitoring and Evaluation

4. Updated CEERP Report Revised Priority Projects

Report Revisions: Priority Projects (revised from 5 to 6)

1. Ensure the City of Brampton policies and programs are aligned with supporting the CEERP objectives and targets;
2. Establish a system to deliver standardized retrofits to Brampton homes;
3. **Update the Transportation Master Plan (TMP) to reflect complete streets and the integrated nature of mobility and built form;**
4. Integrate District Energy Systems in appropriate locations within Brampton;
5. Develop Integrated Energy Master Plans for public facilities and private development; and
6. Establish a Community Organization to lead the development and implementation of select priority projects

4. Updated CEERP Report New Draft Transportation Targets

Report Revisions: Transportation 2041 Targets

2041 targets	Old targets
Reduce trip lengths by 3.75%	7.5%
Increase Active Transportation to 7% PKT	10%
Increase trips using Brampton Transit to 9% PKT	20%
Increase trips using GO transit to 8.5% PKT	
Increase efficiency of gasoline/diesel vehicles by 36%	36%
Increase Electric Vehicle adoption by 20%	22% and 8%

Based on the fact that transportation accounts for almost 60% of Brampton's GHG emissions, more ambitious targets for 2050 are dependent on accelerated infrastructure improvements.

4. Updated CEERP Report

Rationale for Passenger Kilometres Travelled (PKT)

- The basic goal of transportation is to move a person or goods to their destination.
- Energy used and emissions produced are different depending on the type of transportation used.
- The TMP currently uses forecasts based on Vehicle Kilometres Travelled (VKT), which is the number of trips made by different types of travel.
- When we examine the impacts of transportation on climate we must consider the energy used and emissions produced.
- Transportation planning needs to include quantifiable energy and emissions targets.
- A PKT based approach is recommended for the TMP in future to link emissions and energy used to the travel type chosen.

5. Centre for Community Energy Transformation (CCET)



Vision

A sustainable energy future



Mission

To lead an inclusive suburban energy transformation



Mandate

The Centre for Community Energy Transformation (CCET) will be an action-oriented organization focused on convening partners to implement catalytic priorities from Brampton's Community Energy and Emissions Reductions Plan (CEERP)



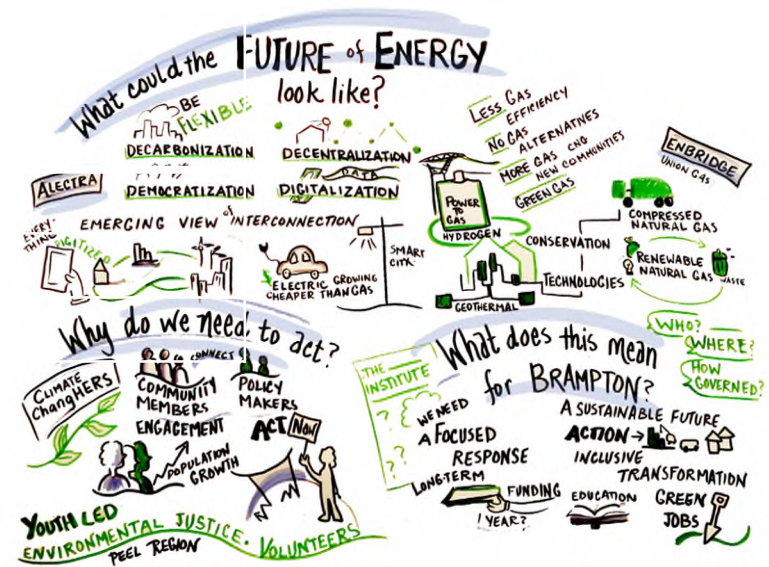
Values

The work we do will:

- Be informed by science
- Be replicable by other communities
- Have quantifiable, documented results
- Be collaborative with community partners to amplify our collective impact
- Ensure social justice and inclusivity
- Generate direct, local economic benefits
- Demonstrate the concepts of circular economy and one planet living
- Provide educational benefits to our community

5. Centre for Community Energy Transformation (CCET)

- Implementation requires dedicated resources/skills/knowledge
- Implementation requires community leadership
- CCET to be an arms-length, non-profit organization to lead development and implementation of select projects:
 - Home Retrofit Program
 - District Energy Systems in appropriate locations
 - Integrated Energy Master Plans
 - Industry Efficiency
 - Partnership
 - Communication



5. Role of CCET in implementing CEERP

Program Planning and Delivery

- Plan, coordinate and deliver select 2020-2025 priority projects

Community Engagement and Communication

- Build a network of cross-sector stakeholders and partners
- Secure funding opportunities from private and public sector
- Communicate and engage regularly
- Develop a brand and virtual presence

Transparency and Accountability

- Identify key performance metrics related to management and administration of priority projects
- Validate business case and verify results
- Report on progress to public, investors and funders

Management

- Develop budget, submit grant applications
- Anticipate and plan for future resources

5. CCET and Task Force

- Establish a process to form a Transition Board of 15 representatives from the Task Force members
 - *Representation from a number of community sectors*
 - *Commitment will be for at least 1 year*
 - *Monthly meetings*
- Establish process to add new members afterwards
- Transition Board's work will involve
 - *Develop board materials*
 - *Develop Executive Director job description*
 - *Establish Permanent CCET Board*
- CCET Project Team will assist the Transition Board

5. Centre for Community Energy Transformation (CCET)

Next Steps

Following approval by Council, the CCET Project Team and Transition Board will undertake the following steps:

- Establish Transition Board
- Work on developing a CCET funding model
- Initiate the process to incorporate the CCET as a non-profit organization
- Schedule Transition Board meetings
- Develop Transition Board work plan (bylaws, governance manual, etc.)

6. Committee of Council

Immediate Next Steps

- Letters of support for CEERP/CCET (template was sent)
- Determine if you will be part of CCET Board
- Commitment to attend Committee of Council (an outlook invitation will be sent once date is determined)
- Video testimonials

City of Brampton

Community Energy & Emissions Reduction Plan

Meeting Adjournment

THANK YOU