SUBJECT: Burlington Climate Action Plan update

TO: Environment, Infrastructure & Community Services Cttee.

FROM: Environment and Energy

Report Number: EICS-11-22

Wards Affected: N/A

File Numbers: 210-09

Date to Committee: September 15, 2022

Date to Council: September 20, 2022

Recommendation:

Council requests Burlington Hydro to prepare a Sustainability Plan by the end of Q2 2024 with the following information:

- current and planned actions by Burlington Hydro to support the programs and the target outlined in the City's Climate Action Plan to be a net carbon neutral community by 2050;
- infrastructure investments required to support electric mobility (electric vehicles, electrification of fleets, electric transit buses and bi-directional charging), electrification of thermal energy (air source heat pumps), solar energy and battery storage;
- Burlington Hydro's investment plans to improve resiliency of the local distribution grid given increasing frequency and intensity of severe weather events, as identified through Climate Resilient Burlington – a plan for adapting to our warmer, wetter and wilder weather; and
- a process for stakeholder and community engagement.

PURPOSE:

Vision to Focus Alignment:

- Increase economic prosperity and community responsive city growth
- Improve integrated city mobility
- Support sustainable infrastructure and a resilient environment
- Building more citizen engagement, community health and culture

- Deliver customer centric services with a focus on efficiency and technology transformation

The purpose of this report is to provide an update on the progress of the implementation of the Climate Action Plan, providing a pathway to reduce community based greenhouse gas emissions to meet the target for Burlington to be net carbon neutral by 2050.

The related climate adaptation plan, Climate Resilient Burlington: A Plan for Adapting to Our Warmer, Wetter and Wilder Weather, was approved by Council in July (EICS-12-22). Prior to this, staff presented the draft Climate Resilient Burlington plan in May (EICS-02-22), which was made available on getinvolvedburlington.ca/crb for public review and feedback. Burlington's climate projections report was presented in March 2021 (EICS-03-21).

An update on the City's Corporate Energy and Emissions Management Plan (EICS-06-22) was presented in June, highlighting the progress to date on reducing greenhouse gas emissions from City operations (buildings and fleet) showing community leadership. The City has a target for its operations to be net carbon neutral by 2040.

Executive Summary:

This is the annual progress report on the implementation of the Burlington community Climate Action Plan and the efforts being taken to work towards the target of Burlington being a net carbon neutral community by 2050.

There are seven key program areas identified in the plan, including:

1. **Burlington Low Carbon New Building Guideline – enhanced energy performance for new buildings**

   Community Planning staff reported to the Community Planning, Regulation and Mobility Committee (PL-07-21) in December 2021 on the Sustainable Building and Development Guidelines for new buildings.

2. **Burlington Deep Energy Retrofit Program – transforming existing buildings**

   In March 2022, staff presented the feasibility study, Better Homes Burlington: Recommendations Report for a City of Burlington Home Retrofit Program (EICS-01-22), completed by the Centre for Climate Change Management at Mohawk College with assistance from the Bay Area Climate Change Council. The results of the study recommended that an initial small-scale home energy efficiency retrofit program, that can be scaled up, be developed to support Burlington homeowners in implementing measures to reduce the carbon footprint of their homes.

3. **Renewable Energy– stimulating local renewable energy projects**

   The City has partnered with the Engineering and Public Policy, W Booth School of Engineering Practice and Technology program at McMaster University where students completed research on best practices and opportunities to support the adoption of renewable energy in Burlington. The research paper is attached as Appendix B to this report with recommendations to be considered by the City.

4. **Integrated Mobility Plan – mobility planning with an emphasis on people movement**

   A preferred network has been endorsed by Council and supporting policies and programs to support implementation are being developed. An update report was presented to the Community Planning, Regulation and Mobility Committee in June 7 (TS-04-22) with the final plan scheduled to be presented during the second quarter of 2023.

5. **Electric Mobility and Equipment – encouraging the adoption of electric mobility and equipment**

   The City has partnered with BurlingtonGreen to complete a community based Electric Mobility Strategy which assesses the opportunities and constraints to support electric vehicles in Burlington. Attention was also given to e-bikes and e-scooters to gauge interest in these modes of transport as alternatives to vehicles. The report is being presented to the September 15th Environment, Infrastructure and Community Services Committee.

6. **Waste Reduction Initiative – engaging the community**

   The Region has completed a draft Solid Waste Management Strategy with medium (4 – 10 years) and long term (11+ years) initiatives to enhance and improve the Region's waste management programs and services.

7. **Industry Innovation – reducing energy demands by industry**

   The City continues to support groups like Sustainable Hamilton Burlington (Sustainability Leadership), a social enterprise organization that supports local businesses and organizations to improve operations in a sustainable manner including the reduction of GHG emissions. The Bay Area Climate Change Council and the Centre for Climate Change Management are also involved in initiatives to support climate actions by local businesses.

Background and Discussion:

On April 23rd, 2019 council declared a climate emergency and one year later approved the Burlington Climate Action Plan (CAP), setting a target for the community of Burlington to be net carbon neutral by 2050. This report provides an update on the progress made to date to implement the CAP. The seven program areas identified in the CAP were based on modelling and actions that are needed for Burlington to become a net neutral community by 2050.

1. **Burlington Low Carbon New Building Guideline – enhanced energy performance for new buildings**

   Community Planning staff reported to the Community Planning, Regulation and Mobility Committee (PL-07-21) in December 2021 on the Sustainable Building and Development Guidelines for new buildings. Minor modifications were incorporated into the guidelines, including incorporating green roofs and green walls in the voluntary requirements. A tiered approach was not recommended at the time for implementation of the guidelines but staff committed to consider alternative approaches to encouraging sustainable design practices. In addition, the following staff directions were approved by Council:

   - Direct the Director of Community Planning and the Executive Director of Burlington Economic Development to consider the feasibility of including the Sustainable Building and Development Guidelines in the development of the Comprehensive Community Improvement Plan framework;
   - Direct Council to advocate to the Province to adopt the highest tiered energy standards following the introduction of the National Energy Code for Buildings 2021 (NECB); and
   - Direct the Director of Community Planning to draft a business case for the preparation of a green roof by-law and green roof construction standard in 2023.

2. **Burlington Deep Energy Retrofit Program – transforming existing buildings**

   In March 2022, staff presented the feasibility study, Better Homes Burlington: Recommendations Report for a City of Burlington Home Retrofit Program (EICS-01-22), completed by the Centre for Climate Change Management at Mohawk College with assistance from the Bay Area Climate Change Council. Funding to support this initiative was approved by the Federation of Canadian Municipalities (FCM) through the Green Municipal Fund (Community Efficiency Financing - CEF). The CEF initiative supports municipalities with plans to develop home energy efficiency loan programs.

The results of the study recommended that a small-scale home energy efficiency retrofit program be developed to support Burlington homeowners in implementing measures to reduce the carbon footprint of their homes. A small-scale program would provide staff to gain experience and knowledge required to work on scaling up the program to engage more homeowners. The program would make available a virtual delivery centre to support homeowners and contractors and an interest bearing loan of up to $10,000 per household to cover the cost of an air source heat pump and leak sealing to improve energy efficiency.

Council approved the following staff directions:

- Direct the Executive Director of Environment, Infrastructure and Community Services to bring forward a business case as part of the 2023 budget process for the resources required to support implementation of a small-scale home energy efficiency retrofit program including a virtual delivery centre/support for homeowners and loans through a Local Improvement Charge (LIC) mechanism for Burlington homeowners to improve home energy efficiency and a lower carbon footprint as outlined in Environment, Infrastructure and Community Services report EICS-01-22; and
- Direct Executive Director of Environment, Infrastructure and Community Services to report back in 2023 with recommended program design elements, including a by-law to support the LIC loan, application, review and approval process, and loan agreement.

Staff are working on a budget business case to be considered through the 2023 budget process and will follow up with a report to Council on the administrative details (ie. application review and approval process; LIC bylaw, etc.) to implement the program.

3. Renewable Energy– stimulating local renewable energy projects

The Climate Action Plan recommends consideration of a renewable energy cooperative to support implementation of community based projects. However, cooperatives are usually community based administered organizations, not municipal entities.

The City partnered with the Engineering and Public Policy, W Booth School of Engineering Practice and Technology program at McMaster University where students have researched best practices and opportunities to support the adoption of renewable energy in Burlington. This initiative involved assessing programs in other jurisdictions, stakeholder interviews, a community survey hosted on getinvolvedburlington.ca and a staff/stakeholder focus group. Staff met

regularly with the student team to provide guidance on the project, along with the faculty advisor.

Municipal initiatives reviewed included the geothermal system in the new community of Berczy Glen, Markham; renewable energy installations at McMaster Innovation Park; the Solar City program in Halifax; and the Blatchford District Energy System in Edmonton.

Policy recommendations made by the student group are for consideration and include:

1) Sharing information regarding the types and benefits of renewable energy installations, including the steps needed (including available incentives and applicable permits, regulations, etc.). Information can be provided on the City's website, in partnership with City networks and stakeholders, and via special events.
2) Providing access to qualified contractors and installers. Although difficult for the City to recommend contractors, interested proponents can be directed to other associations which provide lists of licensed professionals.
3) Providing financial support or incentives to accelerate the installation of renewable energy. This is an option which could be considered in the future as the City implements a Home Energy Efficiency Retrofit program (pending budget approval). Options to support renewable energy through a loan program similar to the one implemented by Halifax (ie. Solar City) could be assessed.

Staff will review the results (Appendix B to this report) with the Climate Action Plan Community Stakeholder Committee to identify priorities, such as improving information for residents and businesses and identifying options to streamline approval and permitting processes in partnership with Burlington Hydro.

Burlington Hydro Update on Renewable Energy Installations

Burlington Hydro shares the data for distributed generation installations in Burlington[1] on an annual basis. The majority of the renewable energy projects were installed under the previous provincial FIT (Feed-in Tariff) program with

[1] This includes four Combined Heat and Power generators using natural gas, which are not considered renewable energy.

over 1,500 kW installed under the MicroFIT program and over 6,000 kW under the FIT program (for projects greater than 10 kW):

Project Type	Source	Total Capacity (kW)	Total Connected
CHP	Natural Gas	290	4
MicroFIT	Solar Rooftop	1542.275	197
FIT	Solar Rooftop	6018	27
Total Connected without Net Metering		**7850**	**228**
Net Metering	Wind	3.6	1
Net Metering	Solar	482.81	29
Total Connected Net Metering		**486.41**	**30**
Total Connected Distributed Generation Projects		**8336.685**	**258**

The following is a summary of distributed generation projects installed in 2020, 2021 and year to date for 2022:

Project Type	Number	Energy kW	Source
2020			
Net Meter ≤ 10kW	3	17.5	Solar
Load Displacement	1	10	Solar
2021			
Net Meter ≤ 10kW	4	40	Solar
Net Meter ≥ 10 kW	1	30	Solar
2022 (Jan – May)			
Net Meter ≤ 10kW	4	35.18	Solar
>10 kW Connected	1	130	CHP-NG

In addition, virtual net metering is not permitted in the province where renewable energy could be generated on a separate site to be utilized in a different location.

As reported in staff's Corporate Energy and Emissions Management Plan update report in June (EICS-06-22), a solar prioritization study has been completed for City facilities and a new solar installation is now operating at the new City View Park Pavilion, in addition to three existing installations on city facility roof tops leased to third party contractors.

4. Integrated Mobility Plan – mobility planning with an emphasis on moving people

An Integrated Mobility Plan (IMP) is under development by the Transportation Services Department with an innovative approach to focus on moving people instead of just vehicles, as traditional transportation plans would do. Shifting the modal split is prioritized by supporting active and sustainable transportation options, such as walking, cycling and transit. These transportation modes will aid in reducing GHG emissions from transportation in addition to addressing congestion issues, especially for shorter, less than five kilometer trips which make up over 50% of trips.

The vision of the IMP has been identified as: 'Mobility in Burlington will be safe, accessible, sustainable, balanced and livable.' Value statements have been created based on the vision, such as: 'Sustainable: Encourage transit, cycling and walking, and other non-car modes; and Leverage electrification potential'. Long term goals have also been developed including 'Burlington will eliminate transportation related emissions'.

The preferred network has been endorsed by Council and supporting policies and programs to support implementation are being developed. An update report was presented to the Community Planning, Regulation and Mobility Committee in June 7 (TS-04-22) with the final plan scheduled to be presented during the second quarter of 2023.

5. Electric Mobility and Equipment – encouraging the adoption of electric mobility and equipment

Prioritizing transit, walking and cycling through the IMP is important to reduce emissions with the co-benefit of reducing car dependence and congestion. However, in order for the City to meet its 2050 net carbon neutral community target, electric mobility must also be supported.

As reported to council last year (EICS-13-21), the City has partnered with BurlingtonGreen to complete a community based Electric Mobility Strategy to consider opportunities and constraints to support electric vehicles in Burlington. Attention was also given to e-bikes and stand-up kick e-scooters to gauge interest in these modes of transport as alternatives to vehicles. The Electric Mobility Strategy (EICS-16-22) is being presented at the same Environment, Infrastructure and Community Services Committee (September 15th) as this report. There are four themed recommended action areas for consideration with related sub-themes and 35 actions:

1. Charging Infrastructure and Grid Capacity
2. City Leadership

3. Education and Awareness
4. Equity and Accessibility

City of Burlington EV Charging Infrastructure

An update on current and future EV charging infrastructure was provided in the June update report for the Corporate Energy and Emissions Management Plan (EICS-06-22). The City has installed a number of EV charging stations on City property (26 stations with a total of 48 charging heads), with three chargers installed earlier this year (six charging heads) and another 10 planned for later this year (with 20 charging heads). The City was successful in obtaining a grant from The Atmospheric Foundation to support the installation of eight of the charging stations.

With respect to electric vehicles and equipment, the City is showing leadership by transitioning small vehicles and equipment (leaf blowers, trimmers and mowers) where practical to electric options. Many companies have electric options available for consumers interested in making the switch. Reduced air and carbon emissions at source is a benefit along with a reduction in noise pollution. In addition, the City will be updating its Green Fleet Strategy to assist with the City's greenhouse gas emission reduction targets as well as developing an action plan with options to accelerate fleet greening.

6. Waste Reduction Initiative – engaging the community

Waste represents a small component of the emissions profile for Burlington. Waste management is a service primarily delivered by the Region of Halton. The Region has completed a draft Solid Waste Management Strategy with medium (4 – 10 years) and long term (11+ years) initiatives to enhance and improve the Region's waste management programs and services. Some of these initiatives include:

- Expand existing community waste collection services by including more designated materials, such as fabrics (textiles) to divert from landfill
- Support the circular and sharing economy by providing support for local innovators and/or organizations that design for the environment and/or reduce, reuse and reclaim
- Improve waste diversion in multi-residential buildings (apartment buildings) through increased and targeted promotion and education as well as limits on amount of garbage to be collected.

The strategy was presented to Halton Regional Council in May for approval (PW-10-22). According to information provided by the Region, if all the services improvements are implemented, there is potential to increase the waste diversion

rate by up to six per cent, increasing the current rate from 59% to 65%. The actions would also help to reduce greenhouse gas emissions by over 13,000 tonnes per year, equivalent to annually removing two million bags of garbage; almost 4,000 vehicles; and 5.5 million litres of gas.

7. **Industry Innovation – reducing energy demands by industry**

   The business sector is supported through energy conservation programs delivered by senior levels of government (ie. IESO, NRCan and Enbridge Gas). The City is also a participating member of and supports Sustainability Leadership (formerly known as Sustainable Hamilton Burlington), a social enterprise organization that supports local businesses and organizations to improve operations in a sustainable manner including the reduction of GHG emissions.

   Endress+Hauser – a local business recently opened their new customer experience and process training centre in Burlington, a 4,400 square meter facility built with 800 rooftop solar modules, generating approximately 408,000 kilowatt hours of electricity on an annual basis. A geothermal system was also installed to provide thermal energy with 50 vertical wells and the use of 63 heat pumps. South facing windows in the upper floor capture sunlight, while triple glazed façade prevents heat loss. This building is one of the greenest structures in the country, demonstrating community leadership supporting Burlington's efforts to become a net carbon neutral community.

Importance of Electrification to Support Net Carbon Neutral Target

In order to meet the targets for City operations to be net carbon neutral by 2040 and community by 2050, switching away from the use of fossil fuels to electrification becomes increasingly important. Planning for and investing in the local distribution grid to ensure adequate capacity is necessary to support mitigation actions including:

- Electric mobility including charging infrastructure for homes, business, fleets and transit systems;
- Planning for bi-directional charging for homes as a back-up energy source;
- Electrification of thermal energy such as the installation of air source heat pumps and electric water heaters;
- Increased adoption of renewable energy such as solar photovoltaic panels; and,
- Battery storage (back-up energy).

Burlington Hydro has an important role to play in ensuring that the local distribution grid has the capacity to meet growing demand for these measures. Specifically, concerns have been raised by solar contractors about the lengthy application processes, higher connection fees than other distribution companies, and contracts associated with

connection approvals. Staff do recognize the challenges that Burlington Hydro faces with infrastructure costs, provincial restrictions and regulations, as well as applications and approval processes through the Ontario Energy Board.

Staff recommend that a request be submitted to Burlington Hydro to provide a compendium plan to the City's Climate Action Plan which assesses the issues, challenges and opportunities for collaboration to help Burlington meet its net zero carbon targets (corporate and community). It is also recommended that Burlington Hydro address plans to improve resiliency given our changing climate and increasing frequency and intensity of severe weather events, as noted in Climate Resilient Burlington – A Plan for Adapting to Our Warmer, Wetter and Wilder Weather.

Toronto Hydro provided a similar plan to the City of Toronto in response to a request on how the local distribution company is supporting the goals of Transform TO, Toronto's climate action plan.

Future Risks to Mitigate Greenhouse Gas Emissions

Provincial policy decisions can impact our ability to reduce greenhouse gas emissions at the local level. For example, decisions to shift the production of electricity to natural gas fired generating stations to replace the loss of generating from decommissioned nuclear power plants will impact our rate of reducing emissions.

Secondly, the provincial government regulates local distribution companies through the Ontario Energy Board and decisions do not always support local climate action initiatives.

Third, this is not a plan that can just be implemented by 'City Hall' to reach our goals. We need everyone - residents, businesses, institutions and government – to change their behavior and to adopt a new way of doing things or different technology, whether it's air source heat pumps, electric vehicles, solar panels and/or battery storage.

Strategy/process

Energy (electricity and natural gas) consumption data is collected from Burlington Hydro and Enbridge Gas Inc. to calculate greenhouse gas emissions across the community. Transportation emissions are more challenging to calculate – historically the City has relied on fuel sales data in Burlington for gasoline and diesel consumption. However, this method is imperfect as it does not capture fuel purchases in other municipalities by Burlington residents and, therefore, is considered as an indicator of emissions from the transportation sector.

Options Considered

The Climate Action Plan provides a pathway to meet the Burlington target to become a net carbon zero community by 2050. The measures identified in the plan must be implemented in order to meet this target.

Financial Matters:

The Home Energy Efficiency Retrofit feasibility project was completed within budget. The Electric Mobility Strategy is under way and is expected to be completed within budget.

Total Financial Impact

Project	Budget
Home Energy Efficiency Retrofit Project	$174,000
Electric Mobility Strategy	$50,000

Source of Funding

The City has received $97,600 in grant funding under the Community Efficiency Initiative fund from the Federation of Canadian Municipalities to offset the City's budget.

For the Electric Mobility Strategy, up to $25,000 as a grant is expected from the Ontario Ministry of Energy once the project is complete to offset the City's budget.

Other Resource Impacts

A business case will be submitted for consideration through the 2023 operating budget review process to implement a small scale home energy efficiency retrofit program, as noted in report EICS-01-22 presented to the March 3rd Environment, Infrastructure and Community Services Committee. Additional support is also being assessed for the Electric Mobility Strategy (pending council approval), being presented in parallel to this report to the September 15th Environment, Infrastructure and Community Services Committee meeting (EICS-16-22).

Staff resources from the Energy and Environment section are required to coordinate projects; provide technical advice; collect, assess and monitor data; respond to community enquiries and make public presentations.

Climate Implications

The City has set a target for the community to be net carbon neutral by 2050. Community emissions are calculated using electricity consumption data from Burlington Hydro, natural gas consumption data from Enbridge Gas, and transportation fuel sales. There has been a delay in obtaining the natural gas consumption data from Enbridge Gas for 2021 due to their work to merge two different systems between Enbridge and Union Gas since the merger of the two companies. As a proxy, city staff have elected to use 2019 natural gas consumption data in place of 2021 data. The information will be updated when staff report back in 2022.

Figure 1 shows total community greenhouse gas emissions by year. This graph shows that to date the city has been successful at stabilizing GHG emissions but significant action needs to be taken to achieve the 2050 target to become a net zero community my 2050. Approximately half a million tonnes needs to be reduced between now and 2030 to work towards the overall target for 2050. To be successful in meeting its GHG reduction goals the City will need to increase its investment in implementing the plans and strategies outlined in this report and the related Corporate Energy and Emissions Management Plan.

Figure 1 – Community Greenhouse Gas Emissions by Year Showing 2050 Target

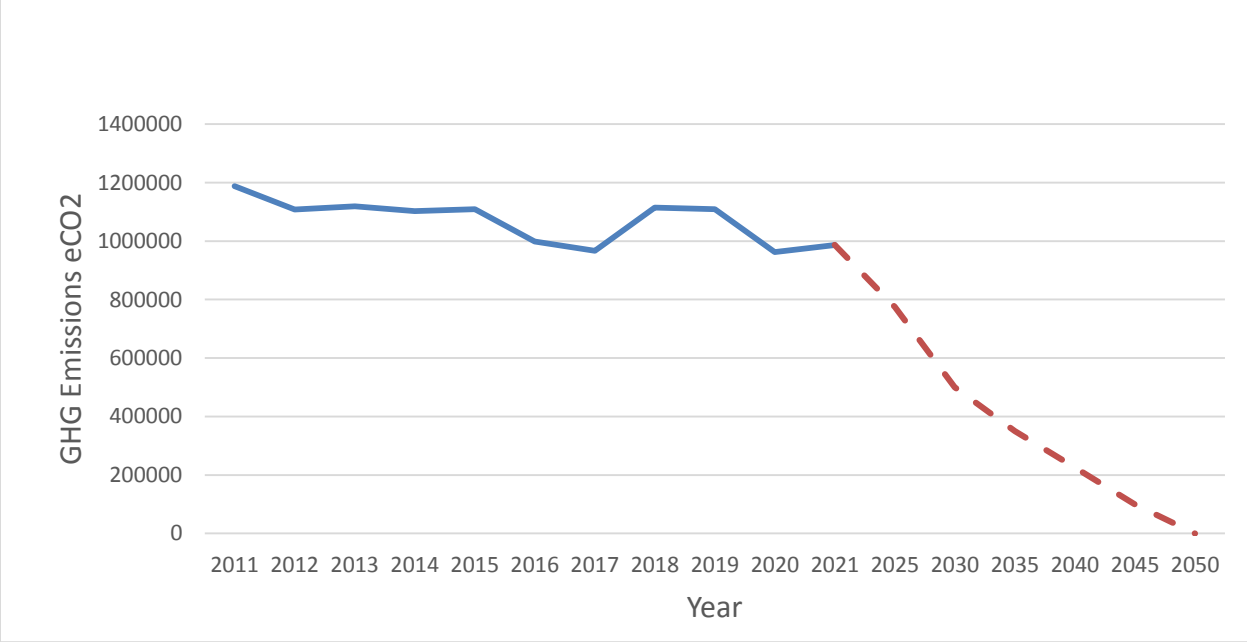


Figure 2 shows annual community emissions broken down by year and by source (natural gas, electricity and transportation).

Figure 2 – Community Annual Emissions by Source

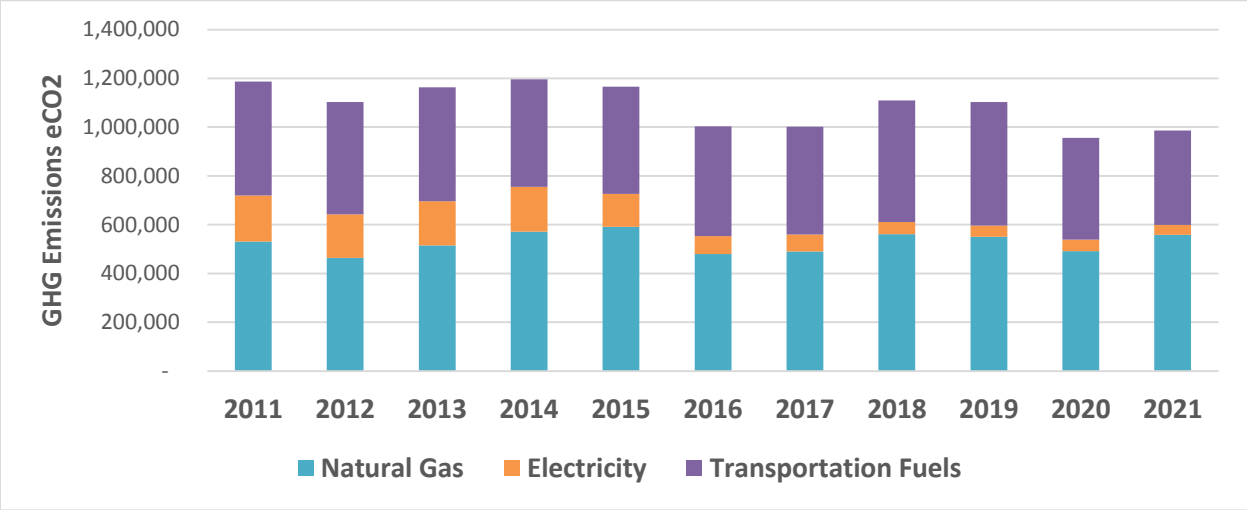


Figure 3 shows a breakdown of 2021 community emissions by source (transportation, electricity and natural gas) as a percentage. As illustrated, the consumption of natural gas and transportation fuels are the main source of emissions in the community.

Figure 3 – Community Emissions by Source (Percentage)

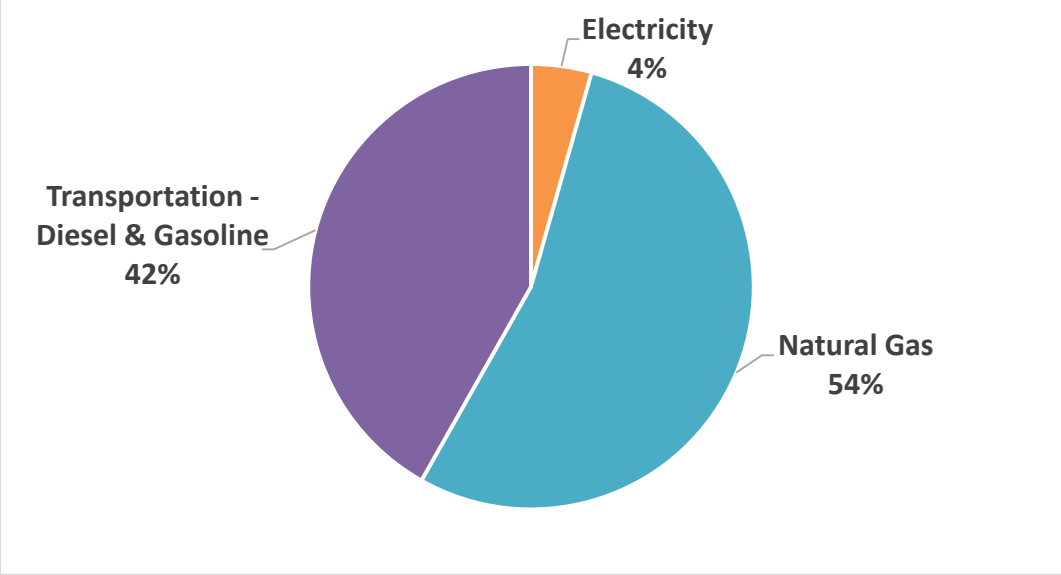


Figure 4 shows annual community emissions by sector (residential; commercial and institutional, industrial and transportation) since 2011.

Figure 4 – Annual Community Emissions by Sector (eCO2)

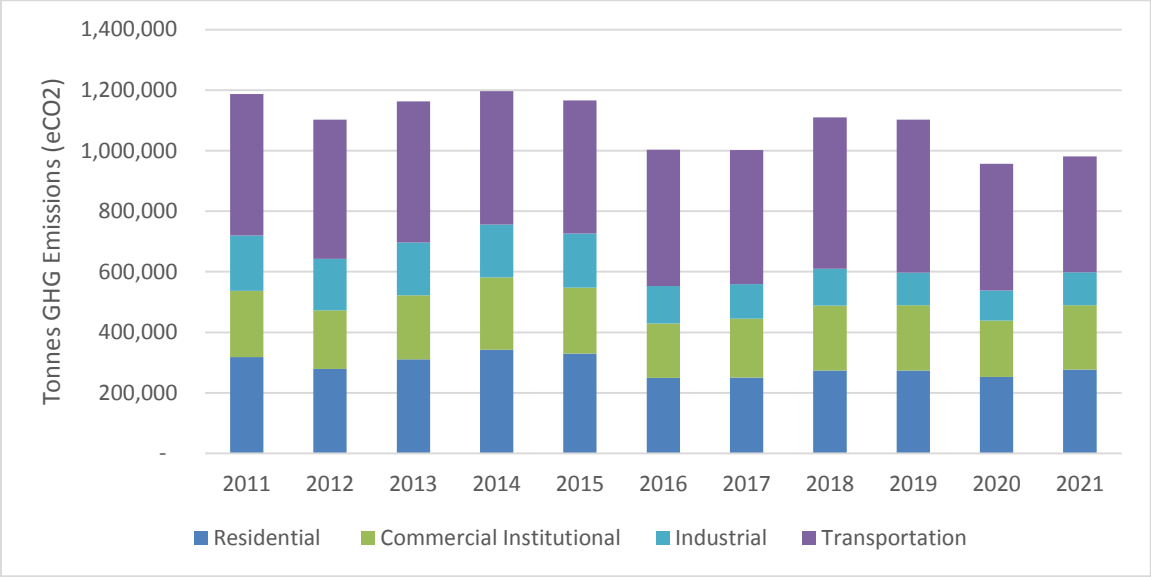
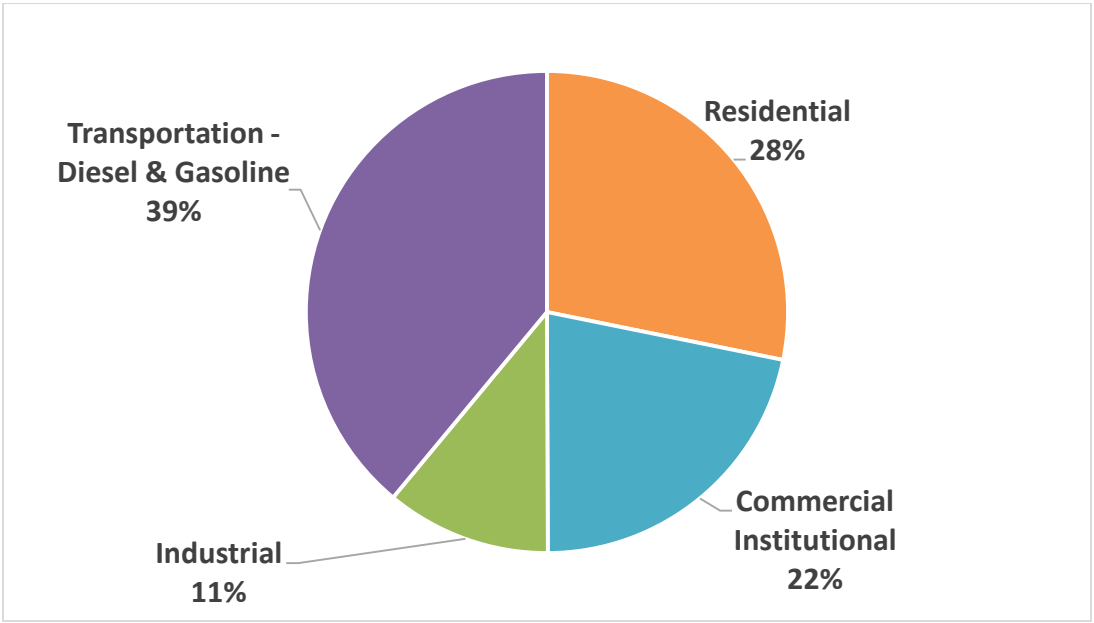


Figure 5 shows a breakdown of 2021 community emissions by sector (transportation, residential, commercial and institutional, and industrial) as a percentage.

Figure 5 - 2021 Emissions by Sector (Percentage)



Engagement Matters:

The Stakeholder Advisory Committee was created in 2012 to provide guidance and feedback on the development and implementation of the Community Energy Plan (first adopted in 2014) which transitioned into the Climate Action Plan (CAP) in 2020. Information sharing, guest presentations and discussions have been beneficial for participating members to learn of climate mitigation actions happening in the community as well as build on synergies between organizations. There are currently 16 participating members of the committee, representing 15 organizations and one local resident. A list of participating members and updates provided are found in Appendix A to this report.

Staff are also engaged in a number of collaboratives which provide support to the City in its efforts to take action on climate change, including the Bay Area Climate Change Council, Halton Climate Collective, Clean Air Partnership and Climate Change Council, QUEST, Global Covenant of Mayors (Canada), Partners for Climate Protection, ICLEI – Local Governments for Sustainability (Canada) and the Carbon Disclosure Project. Further information about these organizations is also found in Appendix A.

The City continues to engage the community on climate change through its online portals and in collaboration with local organizations and through our networks. Active pages on getinvolvedburlington.ca include the Climate Action Plan (home energy retrofit project and renewable energy research); the Electric Mobility Strategy; and Climate Resilient Burlington. Several blog entries on takeactionburlington.ca have supported the Climate Action Plan, such as transitioning to e-equipment for lawn care, electric mobility, renewable energy, home energy retrofits, idling, youth and climate change, and many others.

The City hosted David Phillips, Senior Climatologist with Environment and Climate Change Canada last October for an engagement session related to Climate Resilient Burlington – “Weather and Climate: It’s Not What Our Grandparents Knew”.

Presentations were made by Sustainability Staff to the Burlington Youth Student Council on Climate Resilient Burlington and the Climate Action Plan (October 2021 and January 2022 respectively).

The City and Burlington Hydro sponsored Plug’n Drive and their MEET (mobile electric vehicle education trailer) event to come to Burlington to promote the benefits of electric vehicles where residents could sign up for test drives from April 23rd to May 20th, 2022. It was launched with the Action on Climate Earth Day event in collaboration with BurlingtonGreen (BG), Forestry and Sustainability staff which included tree giveaways and Clean-up Green-up supplies for BG’s annual event and pollinator seeds.

City staff also participated in the Bay Area Climate Change Council's Ask Me Anything About Climate Action event on March 9th, 2022 to talk about Burlington's efforts to take action on climate change.

The Halton Climate Collective hosted an HCC Reads event in November 2021: Let's Listen: A Virtual Discussion with Climate Change Champion and Climate Scientist, Dr. Katharine Hayhoe. City staff hosted a virtual booth and created a presentation highlighting the City's climate actions. HCC also coordinated the Generation Green youth led initiative earlier this year to engage Halton students in climate action leadership.

Recently on May 10th the Sustainable Development Committee partnered with BurlingtonGreen and Burlington Public Library on the End of Single Use Plastics featuring speakers from Halton Region, BurlingtonGreen and Loop (Terra Cycle).

Conclusion:

Staff would like to acknowledge and thank the contributions of the members of the Stakeholder Advisory Committee, City staff, as well as the other organizations mentioned in this report. There are also many community individuals demonstrating leadership in taking action on climate change, such as the EV owners who volunteered their time at the Plug'n Drive MEET event.

Meeting the community target for Burlington to be net carbon neutral by 2050 requires commitment and action from all levels of government, non-government organizations, businesses, community groups and individuals. This report has presented Burlington's progress to date in developing the plans and strategies for seven program areas for focus from the Climate Action Plan. Implementing these plans will take continued investment by the City, its partners and community at large to be successful at our transition to a low carbon community.

Respectfully submitted,

Lynn Robichaud

Manager, Environmental Sustainability

905-335-7600 x7931

Appendices:

A. Community Stakeholder Advisory Committee, Partnerships and Collaboration
B. McMaster Renewable Energy Best Practice Research Report

Notification:

A. Gerry Smallegange, President and CEO, Burlington Hydro

Report Approval:

All reports are reviewed and/or approved by Department Director, the Chief Financial Officer and the Executive Director of Legal Services & Corporation Counsel.