



# The Corporation of the Town of Milton

Report To: Council

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From: Kristene Scott, Commissioner, Community Services

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Date: April 27, 2020

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Report No: COMS-001-20

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Subject: Climate Change – Corporate Initiatives and Update

**Recommendation: That Council approve the proposed 2020 ‘Climate Change’ work plan;**

**AND That staff be directed to create a 2021 work plan for Council approval prior to the 2021 budget deliberations;**

**AND That the Town commit to achieving the milestones set out in the Partners for Climate Protection PCP five-milestone framework as presented in Appendix B.**

## EXECUTIVE SUMMARY

Council approved the Milton Green Innovation Plan (ES 017-18) on September 24, 2018, which provides an overview of the municipality’s current energy usage, GHG emissions and conservation programs. Following that, Council declared a ‘Climate Emergency’, and directed staff to undertake a number of actions including an annual update on Climate Change mitigation.

This report provides an overview of how the portfolio of Climate Change is currently managed, a list of ‘green’ initiatives the Town of Milton has completed or is in the process of completing, current gaps and opportunities and a proposed 2020 work plan.

## REPORT

### Background

There are many acronyms associated with climate change, energy management and associated agencies contained in this report.

### Related Acronyms and Definitions

|       |  |   |
|-------|--|---|
| CDEMP | Conservation and Demand Energy Management Plan | Milton’s first energy management plan (2013) in compliance with provincial legislation. |
|-------|--|---|



# The Corporation of the Town of Milton

|       |   |  |
|-------|---|--|
| PCP   | Partners for Climate Protection                         | National network of over 350 municipalities focused on reducing GHGs and climate change. Managed by the FCM and ICLEI.   |
| FCM   | Federation of Canadian Municipalities                   | National voice with over 2000 Canadian municipality members advocating federal policy and programs to benefit municipalities.  |
| ICLEI | International Council for Local Environment Initiatives | International organization of local, national and regional government organizations that have made a commitment to sustainable development. Also known as 'Local Governments for Sustainability'.  |
| GIP   | Milton Green Innovation Plan                            | Provides an overview of the municipality's energy usage, greenhouse gas emissions and conservation programs. The plan is comprised of (a) Corporate Energy Plan (b) Community Energy Plan.   |
| GHG   | Greenhouse Gas  | Gases, such as carbon dioxide in the atmosphere that trap heat from the sun.   |
| HCC   | Halton Climate Collective                               | <p>The Halton Climate Collective (HCC) is a group of local organizations focused on transforming Halton into a low-carbon, climate-resilient community.</p> <p>The Leadership Team of the HCC includes: Conservation Halton, Town of Oakville, Town of Halton Hills, City of Burlington, Town of Milton, Halton Region, Halton District School Board, Halton Catholic District School Board, and University of Waterloo.</p> |
| EV    | Electric Vehicle  | Vehicle that uses electric motors for propulsion rather than an internal combustion engine that burns fossil fuel.   |
| LED   | Light Emitting Diode                                    | An electric light source that uses less energy and lasts longer than traditional bulbs.  |



|      |   |   |
|------|---|---|
| LEED | Leadership in Energy and Environmental Design | Building rating system available for virtually all building types, LEED provides a framework for healthy, highly efficient, and cost-saving green buildings.                                    |
| VOC  | Volatile Organic Compounds                    | Compounds that easily become vapors or gases. VOCs are released from burning fuel such as gasoline, wood, coal, or natural gas.   |
| RAP  | Recycled Asphalt Program                      | Process where old asphalt removed during road reconstruction projects is ground into gravel and reused to form surface such as a parking lot.   |
| LAS  | Local Authority Service                       | Created by Association of Municipalities Ontario as a provider of competitively-priced and sustainable co-operative business services for Ontario municipalities and the broader public sector. |

Over the last 20 years numerous initiatives have been completed based on specific strategies concerning energy, environment, education, planning and transportation, building a foundation of conservation and sustainability. The introduction of the Conservation and Demand Energy Management Plan CDEMP in 2013, provided a new tool concerning the management of energy and the environment.

In 2018, a legislated plan update resulted in the creation of the Milton Green Innovation Plan GIP which was developed by town staff in partnership with Milton Hydro and Union Gas. The plan is comprised of two documents (a) Corporate Energy Plan, and (b) Community Energy Plan. The GIP created a baseline review of energy usage and emissions from the town's assets and the community at large, and actions to increase conservation awareness and reduce emissions. The actions outlined in these two documents complement each other to achieve the goals of the Milton Green Innovation Plan.

While the scope and approach of the Corporate Energy Plan and the Community Energy Plan may differ, when combined under the umbrella of the Milton GIP, the ultimate goal is to establish a consistent vision, targets and actions to conserve and reduce emissions in the community.

On July 22, 2019, Council declared a "Climate Emergency" and Resolution 194-19 directed staff to undertake the following actions:

1. To include a staff resource dedicated to Sustainability and Energy Management in the 2020 budget for Council consideration;
2. Direct staff to inquire and provide council with a report as to long term potential cost benefits of transitioning Town's fleet to electric vehicles where possible;
3. That staff provide an annual update to Milton Council on climate change mitigation;
4. That staff consider all opportunities to include language in future policy-planning work that acknowledges climate change;

5. That staff are directed to inquire and provide council a report as to what the Town of Milton can do to strongly encourage the development community to include EV charging stations in future medium to high-density application.

A subsequent Notice of Motion was made during the 2020 budget deliberations and Resolution 248-19 was passed and indicated “THAT consideration of a Sustainability and Energy Manager be deferred until 90 days following the appointment of the permanent CAO for the Town of Milton”.

## Discussion

### Current Corporate Approach to GIP/Climate Change

The Halton CAO group (known as the Halton Climate Action Committee) is taking the lead on the climate change discussion to provide strategic leadership and policy direction for all municipalities in the Region. Milton also participates on the Halton Climate Collective (HCC), which includes staff from Oakville, Burlington, Halton Hills, Halton District School Board, Halton Catholic District School Board, University of Waterloo and Halton Environmental Network with a focus of transforming the municipalities across Halton region into a low carbon climate resilient community.

Through the Strategic Management Team (SMT) the Community Services Department provides oversight to the GIP and coordinates with other departments on climate change, sustainability and energy conservation initiatives. As resources permit, staff research and analyze opportunities to improve conservation where a business case supports the investment.

Building upon previous accomplishments, available capacity and focused coordination, the 2020 work plan will be completed with existing resources. Staff continue to take advantage of training and education opportunities that directly impact work programs and develop their ability to effect change as technology changes and new information becomes available. Research and initiation of additional environment, climate change mitigation and adaptation opportunities are subject to staff resources. Council may want to consider a dedicated staff position as part of future budgets depending on the desired expectations related to the current and future work plans in this area as issues and demands continue to evolve.

2020 Work Plan – Proposed

| Initiative   | Details  | Timeline                                 |
|--|--|--|
| <p>1. Become a member of the Partners for Climate Protection (PCP)</p> | <p>Commit to the 5 milestones identified by FCM (Details listed on Appendix 2)</p> <ul style="list-style-type: none"> <li>i. Create a GHG emissions inventory and forecast</li> <li>ii. Set an emissions target</li> <li>iii. Develop a Local Action Plan</li> <li>iv. Implement the Local Action Plan</li> <li>v. Monitor progress and report the results</li> </ul> <p>All Halton municipalities have adopted this framework and have formalized it by becoming a member of PCP (no cost) by committing to completing the milestones within 10 years of joining the program. Staff recommend Milton also become a member of PCP and formally commit to the 5 milestones so that all municipalities are lock step in their efforts. Milton is well-positioned already based on what has already been completed and identified for the balance of 2020.</p> <p>Note - The GIP was developed using the FCM Partners for Climate Protection (PCP) five step milestone framework.</p> | <p>May</p>                               |
| <p>2. Launch the 'Environment' web page on the Town of Milton site</p> | <p>Create public awareness regarding Town activities and plans and provide educational material to residents.</p>  | <p>June</p>                              |
| <p>3. Increase Public Engagement</p>                                   | <ul style="list-style-type: none"> <li>(a) Utilize the Let's Talk Milton platform as a portal to provide interested residents an opportunity to participate in conversation, ask questions and share information</li> <li>(b) Host an Environment/Climate Change open house at Town Hall</li> <li>(c) Post town-supported environmental initiatives on the event calendar (i.e.: Good Neighbours Day)</li> </ul>   | <p>Summer</p> <p>Fall</p> <p>Ongoing</p> |
| <p>4. Corporate Initiatives</p>  | <p>Continue implementation, coordination and pursuing opportunities consistent with work completed.</p>  | <p>Ongoing</p>                           |



# The Corporation of the Town of Milton

| Initiative             | Details  | Timelines |
|------------------------|--|-----------|
| 5. Council Information | As per Council directive, provide a report about transitioning the Town’s fleet to electric vehicles where possible.   | Fall      |
| 6. Council Information | As per Council directive, provide a report regarding what the Town of Milton can do to strongly encourage the development community to include EV charging stations in future medium to high-density applications. | Fall      |

The corporation encourages all staff to look at their work with a green lens and there are a number of initiatives have been completed or are in progress across the Town of Milton with climate change, sustainability and energy conservation in mind. Appendix 1 outlines the various corporate initiatives in this area. Initiatives have been bucketed under the headings of: Energy, Environment, Transportation, and Planning. These are easily understood and consistent with messaging from other municipalities, schools, etc.

### 2021 Work Plan

The Green Innovation Plan will continue to evolve as new technology and information becomes available. Staff will continue to work on the principles of the plan and formalize a 2021 work plan for this portfolio prior to budget deliberations that will include a list of action items, implementation plan/schedule and any funding or resource requirements.

### Financial Impact

The work plan presented for 2020 can be accommodated within the Town’s approved budget for the year. The financial implications associated with future initiatives will continue to be presented to Council at the time of approval and initiation.

Respectfully submitted,

Kristene Scott  
Commissioner, Community Services

For questions, please contact:

Doug Sampano, Director - Phone: Ext. 2547  
Recreation & Facilities

### Attachments

- Appendix 1. : Town of Milton – Corporate Environment / Climate Change Initiatives
- Appendix 2.: Partners for Climate Protection – 5 Step Milestone Framework

CAO Approval  
Andrew M. Siltala  
Chief Administrative Officer

**COMS-001-20 Appendix 1 - Corporate Environment / Climate Change Initiatives**

**Energy**

| <b>Initiative</b>  | <b>Location (if applicable)</b>  | <b>Details/Benefits</b>  |
|--|--|--|
| 1. EV charging stations  | <ul style="list-style-type: none"> <li>• Mattamy National Cycling Centre (3)</li> </ul>  | Provides free charging facility to promote the use of electric vehicles.   |
| 2. Solar Installations in Town Facilities  | <ul style="list-style-type: none"> <li>• Milton Sports Centre 2</li> <li>• John Tonelli Sports Centre (1)</li> <li>• FirstOntario Arts Centre Milton (1)</li> <li>• Sherwood Community Centre (1), spring 2020</li> </ul>  | Renewable electricity generation – approximately 1 million kwh annually.   |
| 3. Promoting Leadership in Energy and Environmental Design LEED principles – Design & Construction       | <ul style="list-style-type: none"> <li>• Sherwood Community Centre</li> <li>• Mattamy National Cycling Centre</li> <li>• Milton Sports Centre Expansion</li> <li>• FirstOntario Arts Centre Milton</li> <li>• Beaty Branch Library</li> <li>• Town Hall Expansion</li> </ul> | Improved building performance over building code requirements. Use of long lasting sustainable building products. Consideration to reduce waste and recycling during the construction. |
| 4. Facility LED conversions  | <ul style="list-style-type: none"> <li>• Memorial Arena</li> <li>• Milton Sports Centre</li> </ul>   | Reduce energy consumption and labour costs and frequency of light changes.   |
| 5. LED street light conversions  | <ul style="list-style-type: none"> <li>• Milton</li> </ul>   | Light Emitting Diodes (LED) lighting on municipal roadways provides an opportunity to introduce adaptive controls, reduce GHGs and realize savings over the lifespan of the equipment. |
| 6. Use of LED solar powered school zone flashers rural street lighting and pedestrian crossover signals. | <ul style="list-style-type: none"> <li>• Milton</li> </ul>   | Reduce energy consumption and labour costs and frequency of light changes.   |

**COMS-001-20 Appendix 1 - Corporate Environment / Climate Change Initiatives**

| <b>Initiative</b>                                    | <b>Location (if applicable)</b>   | <b>Details/Benefits</b>   |
|--|---|---|
| 1. EV charging stations                              | <ul style="list-style-type: none"> <li>• Mattamy National Cycling Centre (3)</li> </ul>   | Provides free charging facility to promote the use of electric vehicles.  |
| 7. Geo thermal installation                          | <ul style="list-style-type: none"> <li>• Milton Sports Centre</li> <li>• Civic Operations Centre</li> </ul>                                       | Capture, store, recycle heat and cooling.   |
| 8. Conversion from gas to electric - ice resurfacers | <ul style="list-style-type: none"> <li>• Sherwood Community Centre</li> <li>• John Tonelli Sports Centre</li> </ul>                               | Eliminates use of fossil fuel, cuts GHG production, improved indoor air quality.                                    |
| 9. Ice Controller Upgrades                           | <ul style="list-style-type: none"> <li>• Memorial Arena</li> <li>• John Tonelli Sports Centre</li> </ul>  | To improve efficiency and reduce run times.   |
| 10. Building Automation System upgrades              | <ul style="list-style-type: none"> <li>• Milton Leisure Centre</li> <li>• Milton Sports Centre</li> </ul>   | Control heating and cooling based on occupancy schedules.   |
| 11. Building envelope upgrades                       | <ul style="list-style-type: none"> <li>• Nassagaweya Community Centre</li> <li>• Beaty Branch Library</li> <li>• Milton Leisure Centre</li> </ul> | Improves efficiency by reducing energy consumption- insulation, doors, windows, thermal barriers, sealants gaskets. |
| 12. Annual Participation in Earth Hour               | <ul style="list-style-type: none"> <li>• All facilities depending on programming</li> </ul>   | Worldwide symbolic gesture to draw attention to climate change.   |

**Environment**

|                        |   |   |
|------------------------|---|---|
| 1. Grey Water system   | <ul style="list-style-type: none"> <li>• Milton Sports Centre</li> </ul>                  | Collect and store rain water from roof for use in water closets.  |
| 2. Tree planting       | <ul style="list-style-type: none"> <li>• Milton</li> </ul>                                | Trees planted through a number of different programs, including new development, new park construction, park redevelopments and regular operating activities. |
| 3. 2 Community Gardens | <ul style="list-style-type: none"> <li>• Allendale</li> <li>• Sunny Mount Park</li> </ul> | Joint project with Milton District Horticultural Society, provides gardening plots for residents.   |



**COMS-001-20 Appendix 1 - Corporate Environment / Climate Change Initiatives**

| <b>Initiative</b>  | <b>Location (if applicable)</b>   | <b>Details/Benefits</b>   |
|--|---|---|
| 4. Water bottle refill stations  | <ul style="list-style-type: none"> <li>• Mattamy National Cycling Centre</li> <li>• Sherwood Community Centre</li> <li>• FirstOntario Arts Centre Milton</li> <li>• Milton Sports Centre</li> <li>• John Tonelli Sports Centre</li> <li>• Memorial Arena</li> </ul> | Fill stations counter number of water fills resulting in approximately 750,000 water bottles diverted from landfill.  |
| 5. Low flow water fixtures   | <ul style="list-style-type: none"> <li>• All facilities</li> </ul>  | Water conservation.   |
| 6. Salt management program   | <ul style="list-style-type: none"> <li>• Road operations and facilities</li> </ul>  | Based on actual weather monitoring and forecast, managed salt application to reduce ground contamination.   |
| 7. Union Gas / Sunny Mount Park / Anne J. MacArthur P.S. - Tree Planting | <ul style="list-style-type: none"> <li>• Between Sunny Mount Park and Anne J. MacArthur P.S.</li> </ul>   | Partnered with Union Gas, Conservation Halton and Anne J. MacArthur P.S. to plant over 300 trees.   |
| 8. Drumquin - Tree Planting / Creek Restoration Project                  | <ul style="list-style-type: none"> <li>• East of Drumquin Park in 16 Mile Creek Floodplain</li> </ul>   | Partnered with Conservation Halton to restore and plant hundreds of trees in floodplain after a weir removal.   |
| 9. Roper Drive – Tree Planting   | <ul style="list-style-type: none"> <li>• Channel East of Roper Drive</li> </ul>   | Partner with Conservation Halton and TD Canada Trust (TD Tree Days) to plant over 350 trees annually over the past 3 years in the “Roper Drive Channel”.          |
| 10. Field and Stream Rescue Team – Clean Up Days                         | <ul style="list-style-type: none"> <li>• Various Woodlots throughout Town</li> </ul>  | Work with the Not For Profit “Field and Stream Rescue Team” and members of the community to do annual spring clean ups in various wooded areas throughout Milton. |

**COMS-001-20 Appendix 1 - Corporate Environment / Climate Change Initiatives**

| <b>Initiative</b>   | <b>Location (if applicable)</b>   | <b>Details/Benefits</b>   |
|---|---|---|
| 11. Leiterman Park SWM Pond – Tree Species and Stormwater Teaching Project – Boyne P.S. | <ul style="list-style-type: none"> <li>Leiterman Park and SWM Pond</li> </ul>   | Worked with teachers from Boyne P.S. Grade 4 class to provide two teaching tours about parks, tree species identification and stormwater management in their neighbourhood. |
| 12. Earth Day Clean-up  | <ul style="list-style-type: none"> <li>Conseil Scolaire Catholique MonAvenir Saint-Nicolas and surrounding Parks Woodward and Wilson area)</li> </ul> | Partnering with the principal and teachers at Saint-Nicolas E.S. to do a spring Earth Day clean-up of all surrounding parks (2020 initiative).                              |
| 13. White roof technology ( heat island effect  | <ul style="list-style-type: none"> <li>FirstOntario Arts Centre Milton</li> <li>Mattamy National Cycling Centre</li> </ul>                            | White roofing material is used to reduce heat gain on building and rejection back to atmosphere.  |
| 14. Sustainable native planting   | <ul style="list-style-type: none"> <li>Milton Leisure Centre</li> <li>Milton Sports Centre</li> <li>Beaty Branch Library</li> </ul>                   | Use of native drought hearty plant materials, eliminated need for irrigation to conserve water.   |
| 15. Recycling program   | <ul style="list-style-type: none"> <li>All facilities</li> </ul>  | Recycling bins and collection and at all facilities to reduce waste.  |
| 16. Green cleaning products   | <ul style="list-style-type: none"> <li>All facilities</li> </ul>  | Use of environmentally friendly cleaning products.  |
| 17. Use of “warm” asphalt   | <ul style="list-style-type: none"> <li>Road construction</li> </ul>   | Saves natural gas to heat product reducing GHGs.  |
| 18. Use of recycled granular materials – Granular A                                     | <ul style="list-style-type: none"> <li>Road construction</li> </ul>   | Made from crushing recycled concrete.   |
| 19. Use of Recycled Asphalt Pavement (RAP)  | <ul style="list-style-type: none"> <li>Mattamy National Cycling Centre</li> <li>Shouldering in rural areas</li> <li>Trails</li> </ul>                 | Recycling used asphalt from road construction for a new use.  |

**COMS-001-20 Appendix 1 - Corporate Environment / Climate Change Initiatives**

| <b>Initiative</b>                 | <b>Location (if applicable)</b>                                | <b>Details/Benefits</b>   |
|-----------------------------------|--|---|
| 20. Intersection improvements     | <ul style="list-style-type: none"> <li>Road network</li> </ul> | Signals/provision of turning lanes; efficient signal phasing and the provision of turning lanes improves traffic levels of service and reduces congestion and fuel, saving GHGs. Signals are actuated and do not run on fixed time, so there is no unnecessary queuing. |
| 21. Durable pavement markings     | <ul style="list-style-type: none"> <li>Road network</li> </ul> | Conserve materials and waste by reducing yearly remarking, also improving efficiency.   |
| 22. Water based pavement markings | <ul style="list-style-type: none"> <li>Road network</li> </ul> | Environmentally friendly products that save volatile organic compounds from the atmosphere.   |
| 23. Expanded asphalt program      | <ul style="list-style-type: none"> <li>Road network</li> </ul> | Recycle materials on site and reduces transportation of materials saving GHGs and improving efficiency.   |
| 24. Pavement preservation         | <ul style="list-style-type: none"> <li>Road network</li> </ul> | Initiatives like crack sealing, reclaimite application preserves pavements and reduces construction activity fuel saving GHGs.  |
| 25. Street sweeping recycling     | <ul style="list-style-type: none"> <li>Road network</li> </ul> | Town staff collect sand from the roads, screen it and then store it over the summer months to reuse in the winter months. In 2018, crews collected just over 3,000 tonnes of street sweepings and were able to reuse 1,500 tonnes.                                      |

**COMS-001-20 Appendix 1 - Corporate Environment / Climate Change Initiatives**

| <b>Initiative</b>                        | <b>Location (if applicable)</b>                                  | <b>Details/Benefits</b>  |
|--|--|--|
| 26. Eliminated printing Recreation Guide | <ul style="list-style-type: none"> <li>Town wide</li> </ul>      | The recreation guide is now available online, eliminating the need to print over 600 000 pages annually. |
| 27. Use of low VOC paints                | <ul style="list-style-type: none"> <li>All facilities</li> </ul> | Environmentally friendly products that save volatile organic compounds from the atmosphere.              |

**Transportation**

|  |  |   |
|--|--|---|
| 1. Implementation of roundabouts                               | <ul style="list-style-type: none"> <li>Town wide</li> </ul>      | Makes for safer intersections and saves fuel, reducing GHGs.  |
| 2. Only implementing warranted 4 way stop intersections –      | <ul style="list-style-type: none"> <li>Town wide</li> </ul>      | Saves fuel for drivers not having to brake and then accelerate, reducing GHGs   |
| 3. Anti-idling of municipal fleet                              | <ul style="list-style-type: none"> <li>Fleet vehicles</li> </ul> | Auto shut down is already in larger trucks, some pickups have auto shut down as standard equipment to reduce GHGs.                        |
| 4. Use of low rolling coefficient of resistance tires in Fleet | <ul style="list-style-type: none"> <li>Fleet vehicles</li> </ul> | Appropriate size of tire in relation to vehicle and ensuring proper tire pressure to improve efficiency and save fuel.                    |
| 5. Cycling and Trails connections                              | <ul style="list-style-type: none"> <li>Town wide</li> </ul>      | Through subdivision and development processes, the provision of a connected trail network to provide an alternate transportation network. |
| 6. Promotion of Cycling tourism                                | <ul style="list-style-type: none"> <li>Town wide</li> </ul>      | To promote alternative transportation and healthy and active lifestyle  |

**COMS-001-20 Appendix 1 - Corporate Environment / Climate Change Initiatives**

| <b>Initiative</b>                  | <b>Location (if applicable)</b>  | <b>Details/Benefits</b>   |
|------------------------------------|--|---|
| 7. Right sizing of fleet machinery | <ul style="list-style-type: none"> <li>Fleet vehicles</li> </ul>             | Ensuring the appropriate vehicles for specific tasks to save fuel and reduce GHGs                   |
| 8. Smart Commute                   | <ul style="list-style-type: none"> <li>Town Hall</li> </ul>                  | Promote carpooling with Town staff, 3 dedicated garage spots for staff who sign up for the program. |
| 9. MIO Vision                      | <ul style="list-style-type: none"> <li>Being introduced Town wide</li> </ul> | Traffic signal activation based on demand load to ease congestion and reduce idling.                |

**Planning**

|  |   |   |
|--|---|---|
| 1. Corporate Energy plan   | <ul style="list-style-type: none"> <li>Town Facilities</li> </ul> | 5 year plan that reports on Town owned facilities energy profiles.                          |
| 2. Community Energy Plan   | <ul style="list-style-type: none"> <li>Milton</li> </ul>          | Plan that provides an overview of energy consumption within the Town across all sectors.    |
| 3. Trails Cycling Master Plan  | <ul style="list-style-type: none"> <li>Milton</li> </ul>          | Prove active transportation network for residents that allows for pedestrians and cyclists. |
| 4. Encourage "green buildings"   | <ul style="list-style-type: none"> <li>Milton</li> </ul>          | Through site plan approval.   |
| 5. Policies supporting urban forestry;                                     | <ul style="list-style-type: none"> <li>Milton</li> </ul>          | Requirements for landscaping and street trees implemented through development applications. |
| 6. Land use planning   | <ul style="list-style-type: none"> <li>Milton</li> </ul>          | Policy documents encourage and implement transit supportive development.                    |
| 7. Implementation of energy efficiency in new construction and renovations | <ul style="list-style-type: none"> <li>Milton</li> </ul>          | In accordance with Ontario Building Code.   |

**COMS-001-20 Appendix 1 - Corporate Environment / Climate Change Initiatives**

| <b>Initiative</b>              | <b>Location (if applicable)</b>                          | <b>Details/Benefits</b>  |
|--------------------------------|--|--|
| 8. Woodlot acquisition         | <ul style="list-style-type: none"><li>• Milton</li></ul> | Through development, the town has acquired and maintains a number of urban woodlots in order to protect urban tree cover.                          |
| 9. Urban Development Standards | <ul style="list-style-type: none"><li>• Milton</li></ul> | Ensure compact and efficient built form, reducing the overall consumption of land and the unnecessary extension of roads and other infrastructure. |

COMS-001-20 Appendix 2 Partners for Climate Protection - 5 Step Milestone Framework (FCM)

- I. **Create a GHG emissions inventory and forecast** – helps track emissions and spending, gathers money-saving information and measures progress over time.
- II. **Set an emissions reduction target** – sets the tone and direction for emission reduction efforts. Reduction targets vary across the Region, however PCP recommend setting a goal of a 20% reduction in corporate emissions over a ten year period and a 6% reduction in community emissions.
- III. **Develop a local action plan** – outlines how the municipality will achieve its emissions reduction target through municipal operations and community-based initiatives.
- IV. **Implement the Local Action Plan** – integration in to existing municipal plans and policies; linkage to future budgets; a clear implementation schedule and communication of progress helps ensure community support.
- V. **Monitor progress and report the results** – monitoring helps to determine whether initiatives are working and whether the target will be achieved. Reporting can connect with stakeholders and funders to solidify support for future initiatives