



Agenda Green Committee

February 23, 2022

5:30 pm

Video Conference

Click the following link:

<https://www.youtube.com/channel/UCzuUpFqxcEl8OG-dOYKteFQ>

Pages

1. **CALL TO ORDER**
2. **DECLARATION OF PECUNIARY INTEREST**
3. **AMENDMENTS AND APPROVAL OF AGENDA**

RECOMMENDATION

THAT the February 23, 2022 Green Committee Agenda be accepted as presented.

4. **DELEGATIONS**
5. **ACCEPTANCE OF MINUTES**

3

RECOMMENDATION

THAT the January 26, 2022 Green Committee minutes be approved and signed by the Chair and Committee Secretary.

6. **STRATEGIC PRIORITIES - STATUS UPDATE**

8

RECOMMENDATION

THAT the February Green Committee Strategic Priorities Table be received for information.

7. **REPORTS**

RECOMMENDATION

THAT PW 15-2022 Report Climate Change Action Plan – Draft Initiatives report be received,

THAT the Green Committee endorse in principle Draft #1 of the Climate Change Action Plan, as amended; and,

THAT Green Committee recommend to Council:

THAT the Council endorse Draft #1 of the Climate Change Action Plan, and,

THAT Council task Town Staff and the Green Committee to identify short-term, mid-term, and long-term initiatives to be incorporated into the Climate Change Action Plan for Council's approval.

8. OTHER BUSINESS

9. UPCOMING MEETINGS

March 23, 2022 at 5:30 p.m. via Zoom

April 27, 2022 at 5:30 p.m. via Zoom

10. ADJOURNMENT

RECOMMENDATION

THAT this meeting of the Green Committee adjourn at p.m.



Minutes

Green Committee

January 26, 2022

5:30 pm

Video Conference

Click the following link:

<https://www.youtube.com/channel/UCzuUpFqxcEI8OG-dOYKteFQ>

Members Present	David Vermeire, Chair Lynette Geddes Councillor Pridham Fred Stam John Stevens
Members Absent	Katherine Moffat
Staff Present	Jed Kelly, Director of Public Works Dave Blake, Environmental Services Manager Morgan Dykstra, Committee Secretary

1. CALL TO ORDER

Morgan Dykstra called the meeting to order at 5:30 p.m..

2. DECLARATION OF PECUNIARY INTEREST

None declared.

3. APPOINTMENT OF CHAIR AND VICE-CHAIR

Morgan Dykstra asked the Committee for nominations for the role of Chair.

Councillor Pridham nominated David Vermeire to assume the role of Chair, David Vermeire accepted the nomination. There were no further nominations.

Resolution: GC-2022-01-01

Moved By Councillor Pridham

Seconded By John Stevens

THAT David Vermeire be appointed as the Chair of the Green Committee effective immediately to November 14, 2022.

Carried

Morgan Dykstra asked the Committee for nominations for the role of Vice-Chair.

Lynette Geddes nominated Councillor Pridham to assume the role of Chair, Councillor Pridham accepted the nomination. There were no further nominations.

Resolution: GC-2022-01-02

Moved By Lynette Geddes

Seconded By John Stevens

THAT Councillor Pridham be appointed as the Vice-Chair of the Green Committee effective immediately to November 14, 2022.

Carried

David Vermeire assumed the role of Chair.

4. AMENDMENTS AND APPROVAL OF AGENDA

Fred Stam joined the meeting at 5:35 p.m.

Resolution: GC-2022-01-03

Moved By John Stevens

Seconded By Lynette Geddes

THAT the January 26, 2022 Green Committee Agenda be accepted as presented.

Carried

5. DELEGATIONS

None.

6. CORRESPONDENCE

6.1 Jordan Partridge, St. Marys Youth Council re: Spring Environmental Programs

The Committee discussed the correspondence from the St. Marys Youth Council.

The Committee noted that the St. Marys Youth Council should consider alternative social media platforms to promote their activities as opposed to just Instagram. The commented that the Town can promote their initiatives on its website and social media platforms. The Committee also discussed inviting the St. Marys Youth Council to future environmental initiatives of the Green Committee such as pulling garlic mustard and tree planting.

The Committee discussed forwarding a letter to the St. Marys Youth Council summarizing the Committee's discussion, while also providing comments related to communications best practices.

Resolution: GC-2022-01-04

Moved By Councillor Pridham

Seconded By Fred Stam

THAT the correspondence from Jordan Partridge, Chair of the St. Marys Youth Council requesting the Green Committee's assistance for the Youth Council's proposed environmental programs be received; and

THAT a letter be provided to the St. Marys Youth Council detailing the Committee's discussion.

Carried

7. ACCEPTANCE OF MINUTES

Resolution: GC-2022-01-05

Moved By Lynette Geddes

Seconded By Fred Stam

THAT The November 24, 2021 Green Committee minutes be approved and signed by the Chair and the Committee Secretary.

Carried

8. STRATEGIC ITEMS - PROGRESS UPDATE

At the request of the Committee, Jed Kelly provided an update regarding the Waste Reduction and Diversion initiatives. Jed Kelly advised that due to site constraints the projects cannot proceed until the Town is in the design phase of

the St. Marys Landfill Site Environmental Compliance Approval (ECA), this step occurs once the Province of Ontario approves the Environmental Assessment (EA) for the site.

Resolution: GC-2022-01-06

Moved By Lynette Geddes

Seconded By John Stevens

THAT the January Green Committee Strategic Priorities Table be received for information.

Carried

9. REPORTS

9.1 PW 04-2022 CURBSIDE WASTE COLLECTION SERVICE DELIVERY

Dave Blake spoke to the report and responded to questions from the Committee.

The Committee discussed the transition to producer responsibility recycling programs. Dave Blake informed the Committee that the Town expects the transition to occur between 2023 and 2025, and that the Province of Ontario is currently accepting service provider proposals for collection.

The Committee noted that St. Marys Cement (SMC) is pursuing an Alternative Low Carbon Fuels project and if the project is successful there may be a waste depot and transfer station at their location.

Resolution: GC-2022-01-07

Moved By Fred Stam

Seconded By John Stevens

THAT report PW 04-2022 Curbside Waste Collection Service Delivery Investigation be received for information.

Carried

10. OTHER BUSINESS

None.

11. UPCOMING MEETINGS

February 23, 2022 at 5:30 p.m. via Zoom

March 23, 2022 at 5:30 p.m. via Zoom

12. ADJOURNMENT

Resolution: GC-2022-01-08

Moved By John Stevens

Seconded By Lynette Geddes

THAT this meeting of the Green Committee adjourn at 6:05 p.m.

Carried

David Vermeire, Chair

Morgan Dykstra, Committee Secretary

Green Committee Strategic Priorities Status (February 2022)

Priority	Item	Status	
Forestry Management	Revise tree species list		Complete
	Engagement and education opportunities	A new Forestry Management webpage has been created, outlining the contents of the Forestry Management, Town Operations, Tree Donation Program and Natural Areas.	Complete
	Tree donation policy	Program launched early October 2021. Donations are being received and will be utilized in Spring of 2022.	Complete
	Seedlings transplant area	Council approved the Committee's recommendation. The Town will not establish a seedlings transplant area.	Complete
	Gypsy Moth Infestation	Information campaign completed.	Complete
	Forestry Management Plan Review	On November 8, 2021, Council directed the Green Committee to amend specific sections of the Forestry Management Plan. Intend to begin amendment process in 2022.	Research
	Tree Subsidy Program	Tree Subsidy Program approved by Council at the December budget meeting. Program to be offered in September 2022 – UTRCA is on board to help implement the program.	Implementing
Naturalization	Public Engagement re: naturalization	Need to review Sparling Bush Management Plan and determine if a secondary plan is required.	Implementing
	Recommend areas for naturalization		
	Recommend policies to establish natural areas and how to maintain areas		
	Investigate the feasibility of creating a wildflower meadow	Pollinator Garden/Wildflower Meadow planted on June 4, 2021. Grant Funding report submitted to TD Friends of the Environment Foundation on January 14/2022.	Complete
		Council approved Green Committee request to expand pollinator garden. Application to TD Friends of the Environment Foundation has been submitted. Funding decision expected in April 2022. Plug packages are on order via UTRCA's vendor of record.	Implementing

	Meadowridge Park Naturalization Project	Project approved by Council. Planted 450 trees with UTRCA and the Rotary the week of October 25, 2021. Using private donation funds, and Rotary donation. UTRCA and Town staff speculate that the area will be complete by the end of 2022. Might need to consider an expansion.	Complete
Active Transportation Master Plan	Seek public feedback re: active transportation network	Public Survey	Complete
	Review existing active transportation network	Capital Item Budget for 2022 to hire a Consultant to draft an Active Transportation Master Plan.	Complete
	Recommend an Active Transportation Master Plan	Active Transportation Master Plan has been paused. Development Charges Study to be drafted to including funding mechanisms for active transportation.	Pause
Waste Reduction & Diversion (Following the Waste Reduction and Diversion Assessment)	Review Solid Waste Management By-law		Complete
	Textile recycling program	RFP in spring 2019 deemed incomplete. This project has been deferred until the Environmental Assessment Process for the landfill site.	Pause
	Mattress and box spring diversion	Green Committee recommended (June 2019) Incorporated in Solid Waste Management By-law (Fall 2019) Develop policy and review other municipal programs. Might be a component of the Environmental Assessment Process once the Town has received approval for expansion.	Pause
	All other recommendations from WRDA	Awaiting approvals from the Ministry of Environment for the Town of St. Marys Landfill Site. Once approvals have been completed the review of existing program at the site can be reviewed.	Pause
	Green Initiative Awareness Program	Town staff working internally to set up the February launch of the program.	Implementing
	Waste Reduction Week		Complete
	Municipal Hazardous Waste Program	Municipal Hazardous Waste Program has transitioned to depot event delivery model. When dates are available, they will be circulated to the public.	Complete

Green House Gas Reduction Plan	Implementation Plan and Recommended Projects	<p>Climate Change Coordinator presented GHG Reduction Plan on November 24, 2021.</p> <p>Draft #1 of the Corporate Climate Change Action Plan being presented at the February 23 2022 meeting.</p>	Implementing
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FORMAL REPORT

To: Chair and Members of the Advisory Committee

Prepared by: Jed Kelly, Director of Public Works

Date of Meeting: 23 February 2022

Subject: **PW 15-2022 Climate Change Action Plan – Draft Initiatives**

PURPOSE

The Public Works Department, and the Green Committee have been tasked with creating a Corporate Climate Change Action Plan (“CCAP”) for the Town of St. Marys. The CCAP is to help inform decision making processes as it relates to Town operations and capital planning.

The purpose of this meeting is to present a draft structure for the CCAP and make comments on the proposed Pillars and Outcome Statements of the CCAP. Specific initiatives will be reviewed at later meeting.

RECOMMENDATION

THAT PW 15-2022 Report Climate Change Action Plan – Draft Initiatives report be received,

THAT the Green Committee endorse in principle Draft #1 of the Climate Change Action Plan, as amended; and,

THAT Green Committee recommend to Council:

THAT the Council endorse Draft #1 of the Climate Change Action Plan, and,

THAT Council task Town Staff and the Green Committee to identify short-term, mid-term, and long-term initiatives to be incorporated into the Climate Change Action Plan for Council’s approval.

BACKGROUND

The Town, the City of Stratford, and the County of Perth and lower-tier municipalities participated in a Federation of Canadian Municipalities (FCM) joint grant project, which includes creating a 2-year contract position tasked with drafting a Green House Gas (GHG) Reduction Plan.



Figure 3 Partners for Climate Protection Milestones

The first step of the Plan was to determine the existing Green House Gas’s emitted from the focus area, and their respective sources. All Green House Gas emissions contribute to global warming. However, the most gas’s that have the most impact are Carbon Dioxide, Methane, and Nitrous Oxide.

The GHG Plan provides the following inventory:

- In 2017 Perth County (inclusive of Stratford, and St. Marys) emitted 706,000 tonnes of greenhouse gases
- In 2017, it is estimated that on average each resident emitted 9.19 tonnes of greenhouse gases
- The St. Marys emissions total was 100,040 tns (therefore the average per resident amount is higher than the equalized 9.19 tonnes amount)

Milestone 2 established the following targets:

- reduce St. Marys emissions by 10% by 2030, meaning an overall reduction of 10,004 tonnes of green house gases, and an annual reduction of 1250.50 tonnes of greenhouse gases; and,
- Net zero in the year 2050 to help ensuring the global target of not surpassing 1.5C.

The Green House Gas Reduction Plan created an outline for local action plans. The Town of St. Marys will be unilaterally tackle Milestone 4 and 5 to implement a corporate level climate change action plan with more specific initiatives to achieve the proposed targets. With that in mind, an emphasis is being placed on making sure that the initiatives are both viable and achievable.

REPORT

The GHG Plan is a very high-level document that recommends high-level actions, as a result, both Town Council and the Green Committee have struggled to visualize a clear path forward for the municipality. As such, the Town will seek to create a Corporate Climate Change Action Plan, which will boil down the recommendations provided in the GHG plan, while also considering initiatives not identified in the GHG Plan.

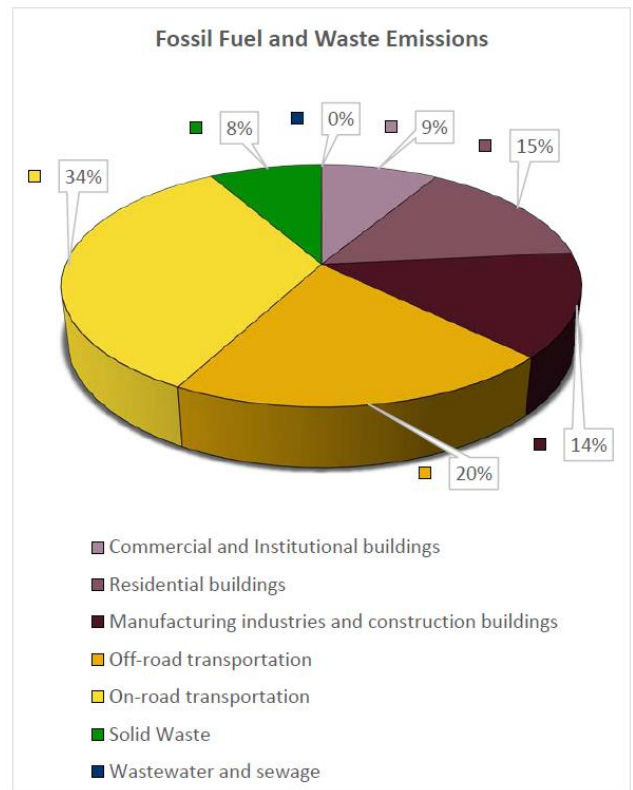
The guiding principle throughout this project is to keep the Corporate Climate Change Action Plan actionable and measurable, and within reach for implementation. Keeping in mind that initiatives will be accomplished either via modifications to existing operations or exploring alternatives while planning for future capital projects.

The Corporate Climate Change Action Plan will continue to be an evolving document, via research, staff have concluded that many of the current tools and technologies available are largely transitional in nature, workable within a short to mid term time frame. As such many long-term outcomes will remain undefined in the plan, requiring new technologies to enter the commercial space. Future and frequent revisions to the action plan should capture new technologies and thus help to establish long term outcomes.

To ensure that the Climate Change Action Plan is a document that has clear direction, and translates well for both Town Staff, Council and the St. Marys community, Town staff are recommending that the Climate Change Action Plan be set up in a way that mimics the Town's Strategic Plan.

To do so, the following tasks need to be completed:

- Identify the strategic areas for reducing greenhouse gas emissions
- Identify a goal, or goals to be achieved under these strategic areas



- Identify how those goals relate to reducing greenhouse gas emissions
- Identify actions that should be taken in the short, medium, and long terms to implement those goals

The purpose of this report is to complete the first three tasks. Town staff have provided a draft Corporate Climate Change Action Plan that identifies strategic areas, goals and outcome statements, with the hope that the Committee can critically evaluate the proposal, and determine if items need to be amended, removed, added or further considered.

The Committee's discussion will be forwarded to the Strategic Priorities Committee for approval. Following the Strategic Priorities Committee meeting, the Green Committee can move forward with identifying actions that should be taken in the short, medium, and long term.

FINANCIAL IMPLICATIONS

Currently, the financial implication of the Corporate Climate Change Action Plan is difficult to quantify. Ideally, the Corporate Climate Change Action Plan will be approved by Council, and subsequently, each of the initiatives will be evaluated individually on merit and cost at the time of implementing that project. The Corporate Climate Change Action Plan is purely a strategic document.

Most importantly, the Town needs to create a tool that analyzes each project, considering its impact on greenhouse gas emissions along with the cost of the project and weighs those two factors. It is anticipated that some initiatives will represent a negative impact to the budget but could translate into significant green house gas emission reductions.

SUMMARY

The Town of St. Marys has a Green House Gas Reduction Plan, to ensure the Town continues to work towards reducing green house gas emissions, a more granular and actionable plan is required. The purpose of this meeting is to start preparing a Corporate Climate Change Action Plan, identifying the key strategic areas, the goals, and outcome statements.

STRATEGIC PLAN

☒ Not applicable to this report.

OTHERS CONSULTED

Brent Kittmer, CAO – *Town of St. Marys*

ATTACHMENTS

Attachment A: Green House Gas Reduction Plan Recommendations

Attachment B: Climate Change Action Plan – Draft #1

REVIEWED BY

Recommended by the Department

Jed Kelly
Director of Public Works

Morgan Dykstra
Public Works and Planning Coordinator

Dave Blake
Environmental Services Manager

Greenhouse Gas Reduction Plan

Recommendations

Reduction Targets

- The minimum reduction target should be achieved by 2030, is 10% below the 2017 baseline year
- The ideal long term target is to reach Net Zero by or before 2050, to help ensuring the global target of not surpassing 1.5C

Milestone 1	Create a Baseline Emissions Inventory & Forecast
Milestone 2	Set Emissions Reduction Targets
Milestone 3	Develop a Local Action Plan
Milestone 4	Implement the Local Action Plan
Milestone 5	Monitor Progress and Report Results

Goal: Establishing a Governance Model

Action	Timeline	Cost	Indicators of Success	CCAP
Establish a Carbon Budget			Exploration of developing a Carbon Budget to assess the rate at which the partners should be reducing their emissions across the county.	Accepted. CCAP – 1.5
Create Annual Work Plans			Create annual work plans to include the actions listed below	Accepted.
Establish an External Working Group			A working group should be formed to assist in the continued implementation of projects and goals (staff, conservation authorities, utility companies, members from the school board, members from any municipal environmental committees, members from the OFA, OMAFRA and the Perth County Federation of Agriculture, Builders Associations, Rotary Clubs and, many other local stakeholder organizations, and members of the public).	Rejected. Not applicable to Corporate Plan. Open to future opportunities.
Establish an Internal Working Group			Each municipality shall organize an internal working group	Accepted. Projects will be allocated to the appropriate department for execution.

Hire Climate Change Staff			Hire a Climate Change Coordinator (will be the lead staff member on climate change projects), Hire an Engagement Coordinator (engage staff and community members in climate actions and facilitate and leading working group meetings), Hire an Energy Manager (ensure the assessment and completion of a corporate climate change plan, and assist in the integration of climate action into process within the municipalities)	Rejected. Corporate Action Plan initiatives will be assigned to appropriate departments for execution.
Integrate Climate Change into Municipal Operations			Integrate into Business Plans / Budgets / Plans / Policies Identification of cost of strategies and actions proposed in the plan	Accepted. CCAP – 1.1
Communication and Engagement			Engaging and communicating climate action to the public	Accepted. CCAP - 4
Reporting and Renewal			The plan should be renewed the year following a municipal election to ensure that new targets and actions can be developed for the following four years, and host annual celebrations to acknowledge progress.	Accepted. CCAP – 1.4

Goal: Embed climate considerations into all municipalities and provide educational resources

Action	Timeline	Cost	Indicators of Success	CCAP
Adopt Climate Lens	Ongoing	No Cost	Considering climate change while making municipal/county decisions	Accepted CCAP – 1.1
Develop an education and awareness page and campaign	Ongoing	Low Cost	Increased numbers of online traffic to webpage Increased uptake of sustainable and climate change actions Public use of the online GHG Calculator	Accepted CCAP - 4
Develop a corporate-level climate change plan	Short-term to ongoing	No/Low Cost	Adoption of climate plan Implementation of internal climate strategies	Accepted CCAP- 1.1
Develop a climate change adaptation plan	Short-term to ongoing	No/Low cost	Adoption of a climate plan Implementation of adaptive strategies to increase adaptive capacity Decrease in vulnerability	Rejected. Incorporated in corporate level climate change plan.

Goal: Create greener, more sustainable, accessible and energy efficient neighbourhood

Action	Timeline	Cost	Indicators of Success	CCAP
Sustainable Building Standard	Ongoing	No Cost	Integrate adaptive measures into construction of new buildings, retrofits, and the maintenance of existing infrastructure Increase the number of new construction and existing infrastructure that are highly energy efficient Smart, dense, mixed-use growth to reduce sprawl Increase green infrastructure and reduce hardscaping to improve stormwater management, and reduce heat island effect Lower to no new residential emissions	Rejected. To be addressed via the Ontario Building Code.
Develop a Deep Retrofit Program	Ongoing	High cost (grants available)	Decrease in residential emissions from current housing stock	Accepted. CCAP – 2.1 & 2.3
Offer LIC or PAC financing to assist in deep retrofits	Ongoing	High cost (grants available)	Community use and buy-in Lower residential emissions	Rejected. The Town does utilize the LIC mechanism.

Goal: Support Sustainability action in local businesses

Action	Timeline	Cost	Indicators of Success	CCAP
Start/Support/Join a local Green Business Hub	Short-term	No to Low Cost	Increased membership in Carbon Footprint Initiative Development of other Green Business Hubs	Accepted. CCAP – 4.2
Develop a small/local business toolkit	Ongoing	No Cost	Completion of toolkit Increased sustainable business practices (reduced emissions and environmental impacts)	Accepted. CCAP – 4.2

Goal: Support and plan for future transportation changes, needs and priorities

Action	Timeline	Cost	Indicators of Success	CCAP
Develop and Implement a Transportation Master Plan	Ongoing	Low	Implementation and support of plan Regular updates based on shifting priorities	Accepted. CCAP – 5.1

Develop better interconnectivity and promote active transportation	Long-term	Mid to High	Increased uptake of active transportation Increased connection between homes and major local destinations	Accepted. CCAP – 5.2
Install charging stations	Medium to Long-Term	Mid to High (grants, funding and partnerships available)	Increased charging stations Increased use of charging infrastructure Increased number of tourists	Accepted. CCAP – 5.3 & 3.2
Implement an anti-idling by-law	Short Term	Low	Reduced idling particularly in areas like school zones	Accepted. CCAP – 5.4

Goal: Reduce waste going to landfill to become a Zero Waste community

Action	Timeline	Cost	Indicators of Success	CCAP
Develop and Implement a Waste Management Master Plan	Ongoing	Low	Implementation and support of plan Regular updates based on shifting priorities and goals	Accepted. CCAP – 6.1
Implement an Organics Program	Medium-Term	Mid to High (grants, funding and partnerships available)	Reducing the organics going to the landfill	Accepted. CCAP – 6.2

Goal: Preserve and improve natural ecosystems and assets

Action	Timeline	Cost	Indicators of Success	CCAP
Increase naturalization projects	Ongoing	Mid	Increased naturalized spaces Increased number of native species	Accepted. CCAP – 7.1
Increase canopy coverage	Ongoing	Mid	Higher percentage of canopy coverage across the county	Accepted. CCAP – 7.2
Develop more LIDS	Ongoing	Mid	Increase number of LIDS	Accepted.

				CCAP – 2.5
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Goal: Support local Agriculture resiliency and mitigate projects

Action	Timeline	Cost	Indicators of Success	CCAP
Develop a Perth County Clean Water Project	Ongoing	Mid to high Assess and split between municipalities, County and Conservation Authorities	Buy-in from local farmers Use of the program	Rejected. Not enough agricultural properties within Town boundaries.
Form an Agricultural Committee	Ongoing	No cost	Local famers joining Shared data and information on local best practices Increased resiliency and lowering risk to local farmers	Rejected. Not enough agricultural properties within Town boundaries.

CORPORATE CLIMATE CHANGE ACTION PLAN

DRAFT #1

Pillar #1 – Municipal Operations & Governance

	Climate Change Initiative	Outcome Statement	Short-Term Initiatives	Mid-Term Initiatives	Long-Term Initiatives
1.1	Adopt Climate Lens in Governance	Climate Change impacts are considered while making municipal decisions as it relates to strategic plans, capital plans and provision of services.			
1.2	Develop Internal GHG project reduction Decision Guidance Tool	Creation of a Toolset for accurate comparison of GHG reduction projects. Assist staff and elected officials to make informed decisions, integrate into capital budget & operational planning,			
1.3	Tracking of Emissions Reductions	Utilize Datasets from GHG reduction guidance tool, transfer into measurable KPI for municipality to gauge progress			
1.4	Regular review of Action Plan Initiatives	Assurance that the document remains relevant, and that the targets are being met..			

1.5	Establish a Green House Gas Budget	Making funds available to implement greenhouse gas emission Climate Change mitigation and adaption projects are implemented due funding being made available			
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Pillar #2 – Efficient Communities & Development

	Climate Change Initiative	Outcome Statement	Short-Term Initiatives	Mid-Term Initiatives	Long-Term Initiatives
2.1	Work with current utility providers to promote existing Energy Efficiency Retrofit Programs	Decrease in residential emissions from current housing stock			
2.2	Maintain Sanitary Collection Inflow & Infiltration program (I & I)	Active Sanitary Collection I & I program will reduce storm and ground water reaching the WWTP for treatment, and therefore use of WWTP energy consumption.			
2.3	Water & Wastewater Efficiency programs	Reduce potable water consumption and sanitary flows through subsidy programs			
2.4	Develop guidance tools for development applications in contrast to Climate Change	Creation of development climate impact report for new development			
2.5	Develop more LIDs	Increase number of LIDs (Low Impact Development) in Municipality			

Pillar #3 – Town Facilities

	Climate Change Initiative	Outcome Statement	Short-Term Initiatives	Mid-Term Initiatives	Long-Term Initiatives
3.1	Building Energy Audits	Complete and Update Building Audits frequently to identify opportunities to employ new technologies as they become available			
3.2	EV charging stations at municipal facilities	To be explored during capital project works, look for (3P) public private partnership,			
3.3	Remote Work Opportunities or concentrated work week	Explore remote work schedules or concentrated work week with municipal staff to reduce employee commute co2 output			
3.4	Time of Use Energy Shifting	Explore opportunities to shift process operations to off peak use, i.e. refrigeration, water & waste water operations			

Pillar #4 – Community Support

	Climate Change Initiative	Outcome Statement	Short-Term Initiatives	Mid-Term Initiatives	Long-Term Initiatives
4.1	Develop an education and awareness page and campaign	Improve public awareness and encourage residents to consider more efficient processes.			
4.2	Develop Green initiative awareness program	Promote GHG reductions ideas or business practices that have			

		already been put into practice in the community			
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Pillar #5 – Transportation, Fleet and Equipment

	Climate Change Initiative	Outcome Statement	Short-Term Initiatives	Mid-Term Initiatives	Long-Term Initiatives
5.1	Develop and Implement a Transportation Master Plan	Efficient connecting link road networks lower co2 emissions through more efficient movement of vehicles through the road network			
5.2	Develop better interconnectivity and promote active transportation	Increased uptake of active transportation Increased connection between homes and major local destinations			
5.3	P3 - Partner with Public or Private organizations to install charging stations in downtown core area	Increased charging stations Increased use of charging infrastructure Increased number of tourists			
5.4	Implement an Anti-idling by-law	Number of idling vehicles reduced, thereby reducing unnecessary emissions.			
5.5	Alternative Fuels for Fleet Operations	Utilize energy sources that have a lessor impact on the environment.			

5.6	Mixed Fleet Vehicle type	Introduce smaller vehicle options into municipal fleet – “Right vehicle for the job” to decrease greenhouse gas emissions			
5.7	Vehicle Life Cycle	Reduce the replacement rate of vehicles by maximizing their cycle period thereby avoiding initial CO2 cost for replacement units			
5.8	Capital Replacement of Town Fleet	Replacement of fleet with reduced emission & zero vehicles			
5.9	Equipment Replacement Small Tools & Equipment	Replacement of Small tools & Equipment with zero emission alternatives			

Pillar #6 – Waste Diversion

	Climate Change Initiative	Outcome Statement	Short-Term Initiatives	Mid-Term Initiatives	Long-Term Initiatives
6.1	Regularly Update the Waste Diversion Plan	Ensure the Town’s Waste Diversion Plan matches Provincial guidance, and all diversion streams are considered.			

6.2	Implement an Organics Program	Reducing the organics going to the landfill and thereby reduce the emissions released from the landfill site			
6.3	Greener Landfill Management Technologies	A Landfill that considers alternative methods of operations that ultimately decrease its share of green house gas emissions.			
6.4	Continue with Sludge Management / fertilizer production at St. Marys WWTP	Production of Lystek fertilizer at WWTP from Biosolid sludge results in lower GHG emissions from the facility			

Pillar #7 – Naturalization / Urban Canopy - Goal: Preserve and improve natural ecosystems and assets

	Climate Change Initiative	Outcome Statement	Short-Term Initiatives	Mid-Term Initiatives	Long-Term Initiatives
7.1	Increase naturalization projects	Increased naturalized spaces Increased number of native species			
7.2	Increase canopy coverage	Measurable increase in canopy coverage in St. Marys.			
7.3	Tree Subsidization Program	Enlarge the tree canopy by making the procurement of trees more accessible to Town residents.			

7.4	Cash in-leu Tree Planting Program	Improve tree coverage on Town and commercial and industrial lands,			
7.5	Landfill Tree Screening & Naturalization	Increase tree canopy cover via naturalization of perimeter screening of landfill site			

DRAFT