

WWH
WINDSOR / WEST HANTS

TOGETHER



GHG Emissions Local Action Plan

Municipal Climate Change Action Plan (MCCAP) Committee

July 27, 2021

Terms and Acronyms

- ▶ **WH:** West Hants
- ▶ **GHG:** Greenhouse gases
- ▶ **tCO₂e:** tonnes CO₂ equivalent. A unit to represent the three principal greenhouse gases that were measured – carbon dioxide (CO₂), methane (CH₄) and nitrous oxide (N₂O) – and each standardized by their Global Warming Potential and expressed in units of tCO₂e.
- ▶ **EV:** Electric Vehicle
- ▶ **BAU:** Business-as-usual
- ▶ **Solar PV:** Solar Photovoltaic system (solar panels)

Background

- ▶ WSP made a BAU forecast using assumptions developed from research on provincial and national trends in GHG emissions:
 - ▶ 44% emission factor reduction for electricity consumption
 - ▶ 10% reduction in energy consumption
 - ▶ 28% reduction in fuel rate
 - ▶ Increase of electricity in residential sector for charging EV's
 - ▶ 15% increase of registered vehicles
 - ▶ 10% of vehicles on the road will be EV's

Background

- ▶ As a result, the BAU forecast estimates that by 2030, emissions will decrease by 44% in the corporate inventory and 41% in the community inventory.
- ▶ West Hants Regional Municipality has set an emissions reductions goal of 45% for both corporate and community emissions by 2030.
- ▶ Baseline Years
 - ▶ Corporate emissions: 2018/2019 (3530 tCO₂e)
 - ▶ Community emissions: 2016 (286,480 tCO₂e)

PCP Milestone 3 Requirements

- ▶ Describe planned activities to achieve target reductions set out in Milestone 2 as a written report, presentation or website
- ▶ Describe how the public or internal stakeholders participated in developing the plan
- ▶ Describe the costs and/or funding sources
- ▶ Identify the Municipal departments and/or organizations responsible for the actions outlined in the plan

Goals

1. **Reduce Energy Consumption for Municipal Buildings**
2. **Introduce Renewable Energy to Municipal Buildings**
3. **Define a Green Fleet Program**
4. **Invest in Education for the Community and Staff**
5. **Lead by Example**
6. **Be More Electric Vehicle and Active Transportation Friendly**
7. **Make it Easier to Buy From Local Vendors and Eat Local Food**

Scenarios

▶ **Safe Scenario**

- ▶ 98.55 tCO₂e (5% of existing corporate emissions) + incalculable amount from staff time
- ▶ Total cost: \$15,000 + staff time

▶ **Balanced Scenario**

- ▶ 374.49 tCO₂e (19% of existing corporate emissions) + incalculable amount from staff time
- ▶ Total cost: \$319,000 one-time cost + \$35,000 per annum + unknown capital costs, depending on decisions made by WH + staff time

Scenarios

▶ **Dynamic Scenario**

- ▶ 433.62 tCO₂e (22% of existing corporate emissions) OR 906.66 tCO₂e (46% of existing corporate emissions) + incalculable amount from staff time
- ▶ Total cost: \$625,700 one-time cost + \$55,000 per annum + unknown capital costs, depending on decisions made by WH + staff time

▶ **Scenario 1 = Safe**

▶ **Scenario 2 = Safe + Balanced**

▶ **Scenario 3 = Safe + Balanced + Dynamic**

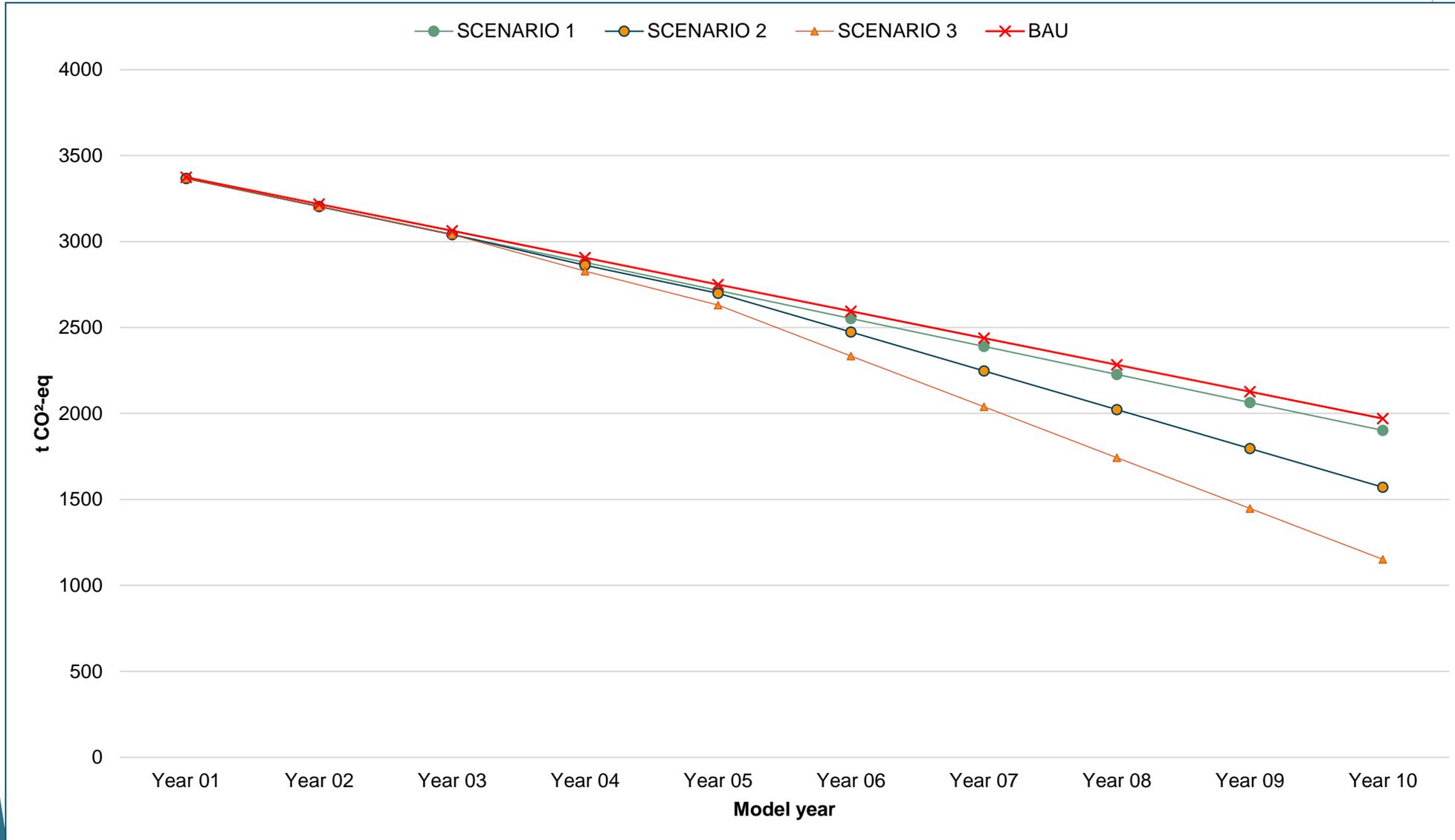
Corporate emissions forecast

BAU: -44%

S1: -46%

S2: -56%

S3: -69%



Department Knowledge

- ▶ Members of each Municipal department were asked about aspects of the plan to gain their thoughts and expertise on some of the actions:
 - ▶ Concerns were raised about the effectiveness of EV's used for snow clearing in the winter months, as well as battery charge
 - ▶ Barriers to active transportation include infrastructure – need more sidewalks and paved shoulders or bike lanes
 - ▶ Important to consider the long-term benefits and payback with the actions, especially when discussing initiatives with high capital costs
 - ▶ Conducting an education program about community actions would be beneficial to get people informed and understand what their options are. Education in schools is a good way to get kids on board early

Community Engagement

▶ WHRM Green Business Initiative

- ▶ Three businesses have been promoted so far, each with a different sustainable initiative being highlighted:

Business	Reach	Engagement	Initiative
The Station Food Hub	1746	97	Aims to have an impact on Sustainable Development Goal 12.3 to reduce food loss
Mike Webb's Auto Works	3412	352	Registered collection facility with UOMA NS
Sequels Fashion Boutique	1639	78	Recycles secondhand clothing for resale

▶ Community Survey

- ▶ 93 responses between June 18, 2021 – July 16, 2021
- ▶ Sent out through social media platforms, community newsletter (all households, Municipal offices and sports complex), and direct email to staff and Council.

Community Engagement

▶ Community Survey Results (June 18th, 2021 – July 16th, 2021)

▶ Did you know there was an MCCAP Committee?

Yes: 41% **No:** 59%

▶ Do you feel informed about climate change?

Very/Moderately informed: 49% **Slightly/Not informed:** 51%

▶ Are you interested in participating in solar panel installation program?

Yes: 70% **Unsure:** 20% **No:** 6% **Already do:** 3%

▶ Would you use transit if it were offered in major hubs such as Windsor?

Yes: 28% **Unsure:** 24% **No:** 48%

▶ Have you considered making your next purchase an Electric Vehicle?

Yes: 33% **Unsure:** 20% **No:** 44% **Already own one:** 2%

▶ Would you consider an EV if WHRM had EV charging stations?

Yes: 47% **Unsure:** 26% **No:** 25% **Already own one:** 2%

▶ Do you prefer to shop at a farmers' market or a grocery store?

Farmers Market: 57% **Grocery store:** 6% **Either:** 37%

Community Engagement

- ▶ Community Survey Results: Comments
 - ▶ Concerns re: cost to buy locally vs. at a grocery store, affordability of a personal EV over transit options and other high-cost community actions
 - ▶ Some residents are renters and therefore do not have autonomy over implementing clean technology at their homes or installing EV charging stations to purchase an EV
 - ▶ Push for planning strategy to create connected communities with an emphasis on active transportation rather than vehicular travel
 - ▶ Concern over the use of rare earth metals to make “tech-based energy solutions” and the residual effect on the environment

Recommended Actions

- ▶ Note that the actions are taken mostly from the WSP report with slight modifications depending on the action.
- ▶ Many of the details, timelines, costs, and emissions reductions calculations are a result of the WSP estimates.
- ▶ Actions are derived from the safe and balanced scenarios.
- ▶ Short-term is 1-3 years
- ▶ Medium-term is 3-5 years
- ▶ Long-term is 5-10 years

Recommended Actions

► Goal 1: Reduce Energy Consumption for Municipal Buildings

1.1 PERFORM INTERNAL BUILDING CONDITION SURVEY

Cost	Staff time
Dept. Responsible	Public Works
Timeline	Short-term
Details	Completed in-house with the NRCAN checklist. A minimum 5% reduction for all municipal buildings will result in an emissions reduction of 69.35 tCO ₂ e

NRCAN checklist:

Range of Score	Action Required
0-20	Immediate corrective action required
20-40	Urgent corrective action required
40-60	Corrective action required
60-80	Evaluation for potential improvement required
80-100	No corrective action required

Date: <u>31 May 2002</u>																		
Auditor: <u>SD</u>																		
Comments:																		
		Insulation Good	Insulation Average	Insulation Poor	Flanges Insulated	No Leaks	Some Leaks	Many Leaks	Automatic Controls	Standard Operating Procedure	Steam Meter	Fuel Meter	Make-up Water Meter	Preventive Maintenance	Fix as Required	Energy Recovery	Economizer Controls	Total Points
No.	Location/Points	2	1	0	2	2	1	0	1	1	1	1	1	1	0	3	2	
	Maximum Score	2			2	2			1	1	1	1	1		3	2		17
1	Main Boiler Room		1				1		1		1	1		1		3		9
2	West Plant Boiler		1					0						1				2
Total Points for Section																		11
Rating for Boiler Plant Systems = $\left(\frac{100 \times \text{Total Points}}{\text{Number of Items} \times \text{Maximum Score}} \right) = \left(\frac{100 \times 11}{2 \times 17} \right)$																		32%

Recommended Actions

► Goal 1: Reduce Energy Consumption for Municipal Buildings

1.2 PROMOTE AND CELEBRATE ENERGY EFFICIENT BUILDINGS

Cost	Staff time
Dept. Responsible	CAO; Communications
Timeline	Short-term
Details	Continue to promote green businesses on social media and website and move to include new upgrades to municipal buildings in plain language that is universally understood. Use to educate the public on energy efficiency in the area and ways that they can also implement energy efficiency in their lives.

Recommended Actions

► Goal 1: Reduce Energy Consumption for Municipal Buildings

1.3 OFFICE BUILDING LOCATION REVIEW

Cost	Staff time; Cost of upgrades
Dept. Responsible	Municipal Council; Staff
Timeline	Short term
Details	Whether moving to 100 King St. or staying at 76 Morison Dr., this process will involve building retrofitting and energy efficiency upgrades. These should consider future infrastructure in the upgrades such as electrical infrastructure for implementation of EV charging stations, and consideration of solar panels.

Recommended Actions

► Goal 2: Introduce Renewable Energy to Municipal Buildings

2.1 FUEL SWITCHING – HEAT PUMPS	
Cost	\$310,000 (WSP estimate)
Dept. Responsible	Public Works
Timeline	Medium term
Details	The goal is to implement the switch for the Courthouse, Hantsport Fire Department and the Public Works Shed (Hantsport), resulting in a reduction of 16 tCO ₂ e in the first year. Thermal exchange is used to replace fossil fuel consumption through using electric-powered air, ground, or water-sourced heat pumps at each building. The Berwick and District Volunteer Fire Department is a good example of energy efficient upgrades and renewable energy upgrades that can be considered.

Recommended Actions

► Goal 2: Introduce Renewable Energy to Municipal Buildings

2.2 CONSIDER GREEN POWER PURCHASING	
Cost	\$25,000 annual cost for a 50% offset
Dept. Responsible	All Departments; CAO
Timeline	Long term
Details	Expected GHG reduction of 315 tCO ₂ e. Taking this initiative can help to reduce the Municipality's GHG emissions more quickly than waiting for NS power to green the grid. Providers own renewable energy production facilities and put a customers desired amount of renewable energy onto the electrical grid. NS Power also noted a preferable method is a 'community solar garden' - a centrally located solar PV system that provides electricity to participating subscribers, while selling extra energy to the public energy grid.

Recommended Actions

▶ Goal 2: Introduce Renewable Energy to Municipal Buildings

2.3 INVESTIGATE PARTNERSHIPS FOR RENEWABLE ENERGY PROVISIONS

Cost	Staff time
Dept. Responsible	Planning and Development; Public Works
Timeline	Short term
Details	Connections can help in building a stronger understanding of investing in renewables for Municipal energy, and partnerships can help to purchase, build, or invest in renewables. This action can be used as an opportunity to consider a long-term budget for renewable technology purchases by the Municipality.

Recommended Actions

*The community survey showed a 20% increase in consideration of EV purchases if EV charging stations were installed around the Municipality compared to interest without EV charging stations

► Goal 3: Define a Green Fleet Program

3.1 INVESTIGATE 'BULK' PURCHASE OF EV'S AND/OR EV CHARGING STATIONS

Cost	No capital costs, but there are costs to implement
Dept. Responsible	Procurement
Timeline	Short term
Details	A staff report to be done on the financial implications of purchasing bulk EV and/or EV charging stations to inform Council. Could make bulk purchase in partnership with interested individuals from the community, or other Municipalities.

Recommended Actions

► Goal 4: Invest in Education for the Community and Staff

4.1 PARTNER WITH EFFICIENCY NS TO EDUCATE PUBLIC ON HOME RENOVATION PROGRAMS/ INCENTIVES AND THEIR BENIFITS

Cost	Cost of printing and promotional actives; Staff time
Dept. Responsible	Planning and Development; MCCAP Committee
Timeline	Short term
Details	Programs exist from Efficiency NS and Clean Foundation that could help residents retrofit their homes for energy efficiency. Many community members are unaware, or do not know much about these programs, so the Municipality can partner with them to expand the information available, and how the upgrades can save them money long term.

Recommended Actions

- ▶ Goal 4: Invest in Education for the Community and Staff

4.2 TRAIN WH STAFF ABOUT BEHAVIOURAL ENERGY EFFICIENCY AND EFFICIENCY NS PROGRAMS TO INTEGRATE INTO THEIR DAY-TO-DAY WORK AND INTERACTIONS WITH RESIDENTS

Cost	Staff time and training
Dept. Responsible	Planning and Development; MCCAP Committee
Timeline	Short term
Details	<p>Use programs offered through Clean Foundation, Efficiency NS and NS Power. This training is important for the Planning and Development Department since they have many interactions with the public.</p> <p>Behavioural energy efficiency programs can be offered as first-time session to all employees, with a yearly refresher. Awareness can influence employee behavior in choosing more energy efficient options as well as active transportation when possible.</p>

Recommended Actions

► Goal 5: Lead by Example

5.1 INTEGRATE GHG REDUCTION STRATEGIES INTO HR POLICIES

Cost	Staff time
Dept. Responsible	Managers; Dept. Heads; CAO
Timeline	Medium term
Details	HR policies that allow for home working days or flex days where employees can work extra hours to achieve their bi-weekly salaried hours and take a day off at the end of the bi-weekly period. Flexible arrival/departure times can help employees carpool with each other or spouses.

- If half the staff worked from home once a month, vehicle emissions would be reduced by 5.19 tCO₂e annually (0.15%)

Recommended Actions

► Goal 5: Lead by Example

5.2 INVESTIGATE OPTIMIZING BUSINESS/ WORK-ORDER TRAVEL

Cost	Staff time
Dept. Responsible	All departments
Timeline	Medium term
Details	<p><u>Option 1</u>: Optimize work orders internally through one manager who directs and organizes the work orders for maximum effectiveness. If there are two jobs required in Brooklyn in one week, those should be scheduled for the same day. To be completed as an HR or administrative policy.</p> <p><u>Option 2</u>: Purchase and utilize available software which can then be programmed to optimize work-order travel, with cost including the price of the software.</p>

*This action aligns with comments from the Community Survey regarding connected communities and active transportation

Recommended Actions

► Goal 5: Lead by Example

5.3 ADOPT LAND USE POLICIES THAT MANDATE OR ENCOURAGE EFFICIENT/SUSTAINABLE GROWTH MODELS	
Cost	Staff time
Dept. Responsible	Planning and Development
Timeline	Medium term
Details	Emphasis is on policies that drive efficient growth and development when reviewing the Municipal Planning Strategy and Land Use By-law. Such policies should seek to permit growth and development in such a way that does not necessitate the use of a car. The review should change policies that restrict development from single unit dwellings to two-unit dwellings.

Recommended Actions

► Goal 5: Lead by Example

*This action will aim to close the knowledge gap about the MCCAP Committee and climate change that was noted in the Community Survey

5.4 MAKE RENEWABLE ENERGY INVESTMENTS AND SUSTAINABILITY PRACTICES (CURRENT AND FUTURE) 'VISIBLE' AND KNOWN TO THE COMMUNITY

Cost	Staff time
Dept. Responsible	CAO; Communications
Timeline	Short term
Details	Use current channels including the community newsletter, social media pages and website to promote sustainable initiatives and green technology being taken up by the Municipality. Include information on climate change and how it impacts the Municipality to give residents a greater understanding of the need for these initiatives and keep them informed of the work being done.

Recommended Actions

► Goal 5: Lead by Example

5.5 EXPLORE OPTIONS TO INCLUDE ANTICIPATED GHG EMISSIONS IN STAFF REPORTS FOR COUNCIL AND COMMITTEES

Cost	Staff time; Cost of consultant depending on project
Dept. Responsible	All Departments
Timeline	Short term
Details	The inclusion of "Greenhouse Gas Emissions Implications" as a subheading in the pre-formatted staff reports would compel staff to consider the emissions associated with the proposed project and allow Council and other Committee members to make decisions and recommendations based on the impact on the Municipality's GHG reduction goal. This can help avoid increases in GHG emissions and allow for tracking on new projects.

Recommended Actions

- ▶ Goal 6: Be More Electric Vehicle and Active Transportation Friendly

6.1 EXPLORE POTENTIAL PARTNERSHIPS FOR EV CHARGING STATIONS

Cost	Staff time (research), \$2,500-\$3,500 per charging station (2019 estimates)
Dept. Responsible	Planning and Development; Community Development
Timeline	Medium term
Details	Employers and commercial vendors in WH may be interested in partnering with the Municipality to host EV charging stations on their properties for employees and customers. Goal is to implement two (2) new stations in WH over the next 5 years.

Recommended Actions

- ▶ Goal 6: Be More Electric Vehicle and Active Transportation Friendly

6.2 EXPLORE FUNDING FOR EV CHARGING STATIONS ON MUNICIPAL PROPERTY

Cost	No capital cost if funding acquired, Staff time (research)
Dept. Responsible	Planning and Development; Community Development
Timeline	Short term
Details	Funding for EV's and charging stations can be found through the Federal Government and the Canadian Federation of Municipalities. This gives the Municipality an opportunity to take on a leadership role in providing EV charging stations to the public on Municipally-owned properties in central locations. The goal is to acquire enough funding to introduce two (2) EV charging stations in WH.

*Half of survey respondents expressed interest or consideration in using public transit in Windsor.

Recommended Actions

- ▶ Goal 6: Be More Electric Vehicle and Active Transportation Friendly

6.3 EXPLORE OPPORTUNITIES TO CREATE A TRANSPORTATION HUB

Cost	Staff time; Cost of infrastructure and land acquisition if not already Municipally-owned
Dept. Responsible	Planning and Development; Community Development
Timeline	Medium term
Details	A transportation hub can encourage people in WH to transition away from personal vehicles. A transportation hub requires identifying a central location which is available for public parking (such as park and ride lot) and accommodating other modes of transportation at this point, including a transit stop, bicycle parking and quick repair station, carpooling area, EV charging stations, and that its placement is in a walkable area.

*Comments from the community survey expressed the need for connected communities and active transportation infrastructure

Recommended Actions

- ▶ Goal 6: Be More Electric Vehicle and Active Transportation Friendly

6.4 INTEGRATE ACTIVE TRANSPORTATION CONSIDERATIONS INTO LAND USE PLANNING DECISIONS	
Cost	Staff time
Dept. Responsible	Planning and Development; Community Development
Timeline	Short term
Details	Land-use planning determines the type of transportation people need to use. Planning staff should incorporate active transportation related policies into the planning documents. For new large developments, discussions should include opportunities to promote active transportation in the planned community or building where relevant. Ensure planning documents reflect active transportation opportunities through closer communities, connecting paths, and sidewalks and bike lanes.

Recommended Actions

- ▶ Goal 7: Make it Easier to Buy From Local Vendors and Eat Local Food

7.1 REVIEW AND AMEND POLICIES TO PROMOTE SMALL-SCALE AGRICULTURE

Cost	Staff time
Dept. Responsible	Planning and Development
Timeline	Short term
Details	<p>It's been noted that certain policies, whether advertently or inadvertently work to make small-scale agriculture more difficult. During the Municipal Planning Strategy and Land Use-bylaw review the Municipality should review policy documents and find areas to promote small-scale agriculture within the three agricultural zones. The documents should be scanned for policies that prohibit small-scale agriculture and a literature review of local agriculture policies for rural/ small-scale agriculture should be undertaken, as well as consultation with farmers. Consider including policies that promote local food.</p>

*57% of survey respondents preferred to shop at a farmers' market over a grocery store

Recommended Actions

- ▶ Goal 7: Make it Easier to Buy From Local Vendors and Eat Local Food

7.2 EXPLORE OPPORTUNITIES TO MAKE MUNICIPALLY OWNED FACILITIES AVAILABLE TO THE COMMUNITY FOR BUYING/ SELLING LOCAL FOOD AND GOODS	
Cost	Staff time
Dept. Responsible	Community Development; Public Works
Timeline	Long term
Details	The goal is to create more consistent programming space for local food producers. This entails the Municipality offering space in existing buildings to groups at low or not rental cost in order to host farmers markets.

Wishlist Actions

Wishlist Actions

4.3 CONSIDER HIRING A DEDICATED GHG REDUCTION EMPLOYEE

Cost	Determined as the cost of a salaried employee
Dept. Responsible	CAO
Timeline	Long-term
Details	Many actions rely on multi-year projects that would benefit from a "point person" to manage them. A dedicated GHG employee would be responsible for liaising with all departments involved, with community groups, with provincial partners, and monitoring the status of projects. A budget to implement projects would be required for this employee, so local university students could be hired to do supporting research and offset the cost.

- ▶ Potential Funding: Science Horizons Youth Internship with Eco Canada can cover up to 80% of wages to hire jr. professionals for the position

Wishlist Actions

If funding is available:

1.4 Detailed energy audits for the water and wastewater plants

3.4 Consider carpool incentives for work travel

1.5 Recommissioning of the Brooklyn Fire Station and Civic Center

5.5 Explore options on PACE Programing

1.6 Detailed audits for select Municipal buildings

5.6 Promote desired actions, policies and incentives to the provincial government

2.4 Investigate renewable energy opportunities – solar PV for the water and wastewater treatment plants

5.7 Make renewable energy investments and sustainability practices (current and future) 'visible' and known to the community

2.5 Update the asset management plan to add solar lighting for streetlight replacement

5.8 Explore opportunities for the Municipality to join the circular economy

3.2 Explore a corporate car sharing program

7.3 Create food education programs in partnership with community and schools, including waste reduction

3.3 Create a 'Fleet Management Program' that introduces EV's over a multi-year timeline

7.4 Local procurement policies

- ▶ *70% of survey respondents from the Community Survey were interested in participating in a PACE style program

MCCAP – Where Do We Stand?

MCCAP Goal	Action Plan Item
Coordinate a staff education day on climate action	4.2 Train WH staff about Efficiency Ns programs to work into their day-to-day work (Plan)
Implement an energy efficiency purchasing policy	2.2 Consider Green power purchasing (Plan)
Investigate options for upgrading or selling the courthouse (Hants County Courthouse)	1.1 Internal buildings conditions survey (Plan) 1.6 Detailed audits for select Municipal buildings (Wishlist)
Continue to support waste reduction initiatives	7.3 Create food education programs in partnership with community and schools, including waste reduction (Wishlist)
Track building energy consumption in Energy Star Portfolio manager	4.3 Consider hiring a dedicated climate change/ energy efficiency employee (Wishlist)
Re-commission the Brooklyn Firehall and the Municipal Office	1.5 Recommissioning of the Brooklyn Fire Station and Civic Center (Wishlist)
Energy audit for pumping stations (water and wastewater)	1.4 Detailed energy audit for the water and wastewater treatment plants (Wishlist)

MCCAP – Where Do We Stand?

MCCAP Goal	Action Plan Item
<p>Consider purchasing hybrid or electric vehicles</p>	<p>3.1 Investigate 'bulk' purchase of electric vehicles and/or EV charging stations (Plan)</p> <p>3.3 Create a 'fleet management program' that introduces EV's over a multi-year timeline (Wishlist)</p>
<p>Investigate including climate change reduction policies for development and construction within the Town</p>	<p>5.3 Consider adopting land-use policies that mandate or encourage efficient/sustainable growth models (Plan)</p>
<p>Ensure all planning documents address the future climate change issues that may occur in the future</p>	<p>5.4 Explore options to include anticipated GHG emissions in staff reports for Council and committees (Plan)</p>
<p>Discuss the potential of purchasing more energy efficient vehicles</p>	<p>3.1 Investigate 'bulk' purchase of electric vehicles and/or EV charging stations (Plan)</p> <p>3.3 Create a 'fleet management program' that introduces EV's over a multi-year timeline (Wishlist)</p>
<p>Investigate the use of non-traditional energy sources for town buildings and programs</p>	<p>2.2 Consider Green power purchasing (Plan)</p> <p>2.4 Investigate renewable energy opportunities - solar PV for the water and wastewater treatment facilities (Wishlist)</p>

MCCAP – Where Do We Stand?

MCCAP Goal	Action Plan Item
Investigate a composting system that generates biogas or compost	5.8 Explore opportunities for the Municipality to join the circular economy (Wishlist)
Investigate a newsletter that includes a section on climate action	5.4 Make renewable energy investments and sustainability practices (current and future) 'visible' and known to the community (Plan/Wishlist)
Reduce greenhouse gas emissions	The action plan itself as it relates to PCP Milestone 3
Increase local awareness of local best practices	4.2 Train WH staff about behavioral energy efficiency and Efficiency N.S. programs to integrate into their day-to-day work and interactions with residents (Plan) 5.6 Make renewable energy investments and sustainability practices 'visible' and known to the community (Plan/Wishlist)
Implement MCCAP	Crossover items with the GHG Action Plan

Funding Opportunities

- ▶ **FCM's Green Municipal Fund** – numerous funding opportunities in the areas of energy, land use, transportation, waste and water.
- ▶ **Low Carbon Communities Program** – funding opportunities for infrastructure, clean energy, active transportation, clean fleets and community engagement.
- ▶ **Efficiency Nova Scotia** – funding for community level projects including home energy and heating, new home construction, appliance retirement, and product installation.
- ▶ **Gas Tax Fund** – for energy efficiency upgrades or active transportation projects

Funding Opportunities

- ▶ Retrofitting Municipal Buildings
 - ▶ **FCM Connect** – Community Building Retrofit initiative
- ▶ PACE programming
 - ▶ **Efficiency N.S.**
 - ▶ **Green Municipal Fund** – Community Efficiency Financing initiative, or Sustainable Affordable Housing initiative
- ▶ Electric Fleet
 - ▶ **Green Municipal Fund** – Capital Project: Reduce fossil fuel use in fleets, and/or Pilot Project: Reduce fossil fuel use in fleets
- ▶ Active Transportation
 - ▶ **Connect2 Program** – for projects that will improve connectivity between communities

Next Steps

- ▶ Take suggestions from the MCCAP committee to incorporate into the final draft of WHRM's climate action plan
- ▶ Full analysis of social media campaign effectiveness and survey results.
- ▶ Write a draft of the climate action plan for Council and the PCP program



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