



Greater Peterborough Area Climate Change Action Plan
Chapter 11 – Hiawatha First Nation
Community and Corporate Climate Action Plans
November 14, 2017



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FIRST NATION COUNCIL RESOLUTION	Chronological no.
	File reference no.
	27/17

NOTE:

The words "from our Band Funds" "capital" or "revenue", whichever is the case, must appear in all resolutions requesting expenditures from Band Funds.


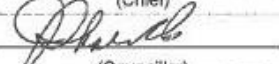

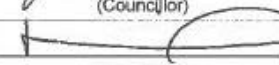
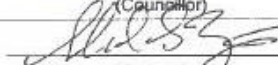
The council of the HIAWATHA FIRST NATION		Cash free balance
Date of duly convened meeting		Capital account \$
<div style="display: flex; justify-content: space-around;"> <div>D 1 7</div> <div>M 1 0</div> <div>Y 1 7</div> </div>		Revenue account \$
Province ONTARIO		

DO HEREBY RESOLVE:

WHEREAS, the Greater Peterborough Area Climate Change Action Plan be adopted in principle;

AND WHEREAS, Hiawatha First Nation's Community Sector and Corporate Sector greenhouse gas emission reduction targets of 15% respectively for both targets, and associated local action plans, be adopted and implemented as funding permit;

THEREFORE LET IT BE RESOLVED, that upon adoption of the Greater Peterborough Area Climate Change Action Plan, that Hiawatha First Nation and Curve Lake First Nation will become the first ever First Nation communities in Canada to complete the Federation of Canadian Municipalities' Partners of Climate Protection Program.

Quorum <u>any 4 members of Council</u>	 (Chief)	
_____ (Councillor)	 (Councillor)	 (Councillor)
_____ (Councillor)	 (Councillor)	 (Councillor)
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FOR DEPARTMENTAL USE ONLY					
Expenditure	Authority (Indian Act Section)	Source of funds <input type="radio"/> Capital <input type="radio"/> Revenue	Expenditure	Authority (Indian Act Section)	Source of funds <input type="radio"/> Capital <input type="radio"/> Revenue
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Section 1: Introduction and Overview

Greater Peterborough Area Climate Change Action Plan

In 2014, the Greater Peterborough Area's (GPA) member communities joined more than 250 other communities across Canada to address climate change through participation in the Partners for Climate Protection (PCP) program aimed at reducing GHG emissions from both municipal/First Nation corporate operations and community sources.

As part of the PCP program, the Climate Change Action Plan sets a course to reduce local contributions to climate change and prepare communities for present and expected changes that will occur as a result of climate change. This plan represents an integrated approach to dealing with some of the most important issues related to the sustainability of our diverse region. The overall objective of the CCAP is to reduce our greenhouse gas emissions through a reduction in fossil fuel use and lowering our energy consumption, and to better prepare for our changing climate. The Plan identifies strategies, actions, and emission reduction targets that fit with and address the needs of each municipality and First Nation within the GPA. This regionally coordinated approach will ensure that we act together to safeguard the health of our residents and ensure the stability of our local economic and natural resources against impacts related to climate change.

Climate Change Vision

In 2010, the GPA embarked on an exciting journey – the development of an Integrated Community Sustainability Plan, coined *Sustainable Peterborough*. Within the Sustainable Peterborough Plan, climate change was identified as one of the eleven key theme areas of focus. Each community of the GPA is working together to collectively achieve the following vision, as originally identified as the climate change goal in the Sustainable Peterborough Plan:

We will reduce our contributions to climate change while increasing our ability to adapt to climate change conditions.

Hiawatha First Nation Vision Statement

The goals outlined in the CCAP align with the Hiawatha First Nation Vision Statement identified as:

We, the Mississaugi of Hiawatha First Nation, are a vibrant, proud, independent and healthy people balanced in the richness of our culture and traditional way of life.

Hiawatha First Nation's Community and Corporate Action Plans

Chapter 11 of the CCAP includes Hiawatha First Nation's Community (Section 2) and Corporate (Section 3) Action Plans. Both of these build on the overarching components outlined in the main CCAP, but provide greater detail specific to Hiawatha First Nation. They both include the following:

- *Where are we now* – a brief discussion of community and corporate baseline GHG emissions.
- *Where do we want to go* – GHG emissions reductions targets for the community and corporation.

- *How are we going to get there* – actions that the community and corporation will take to achieve its emissions reduction targets.

Section 2: Community Action Plan

Where are we now?

In 2011, 1,316 tonnes of CO₂e were emitted by Hiawatha First Nation community. Based on this projected growth for Hiawatha First Nation, community emissions are expected to grow to 1,570 tonnes of CO₂e by 2031 if nothing is done to reduce GHG emissions. For further details on Hiawatha First Nation's baseline community emissions (PCP Milestone 1), please see the Appendix attached to this chapter entitled *Hiawatha First Nation - Community Emissions*.

Where do we want to go?

Hiawatha First Nation community is aiming to achieve a 15% reduction in its GHG emissions from the 2011 baseline by 2031. This is equivalent to 197 less tonnes of CO₂e emitted per year by 2031, which would put Hiawatha First Nation's community emissions at 1,119 tonnes of CO₂e per year by 2031 compared to the current 1,316 tonnes per year.

How are we going to get there?

The following section details the strategies and actions that Hiawatha First Nation will use to achieve its community GHG emissions reduction target. Further detail on each strategy is provided in the main *Climate Change Action Plan* document; however, a number of strategies are also unique to Hiawatha First Nation community, in honour of their culture, traditions, way of life, and traditional ecological knowledge.

Hiawatha First Nation

Hiawatha First Nation's Climate Change Action Plan will focus on the local changes observed by community members over the years that may impact both the way of life and their quality of life at Hiawatha.

The Plan will take into consideration the impacts that climate change will have on the land, the people, and their livelihoods. It will be brought to life through stories and storytelling, as told by key figures in the community. Examples of how climate change has already begun to impact the quality of life at Hiawatha First Nation include for example, use teachings of maple syrup in ceremony as the climate warms, maple trees may no longer grow in this area.

The Plan will address the issues of concern that the severity and frequency of extreme weather events that are being witnessed in weather patterns is most definitely affecting the Mississaugi people's way of life. The Plan will also connect to the Hiawatha First Nation's Community Energy Plan and will enable Hiawatha to apply for further funding opportunities.

Our Water

Where are we now?

The drinking water quality from wells within Hiawatha First Nation does not meet residents consumption needs based on taste and mineral content for daily use. Residents are forced to purchase water from private sources.

How are we going to get there?

Strategy 1: Improve Quality of Drinking Water		
Primary Action	Mitigation impact: indirect	Adaptation impact: direct
Supporting Actions/Policies	<p>When resources become available, develop a water treatment facility that would provide the community with access to clean and safe drinking water.</p> <ul style="list-style-type: none"> • Install water hydration station(s) with large container fill points for community members, as they would no longer have to travel to purchase water or have it brought to them; • Focus on responding to the need for a continual source of water standardized for all uses, including drinking water; and • With improvements made to the quality of drinking water the quality of life of community members will improve. 	
GHG Emission Reduction Potential	Impacts on GHG emissions nominal	

Strategy 2: Access to Water		
Primary Action	Mitigation impact: indirect	Adaptation impact: direct
Supporting Actions/Policies	<p>Ensure access to water for community use.</p> <ul style="list-style-type: none"> • Lack of rain and increasingly hot weather during summer months are causing local wells to dry up; • With improved technologies, aim to resolve the issue of infiltration of septic systems; • Educate Band Members on the need to keep their well heads clean and clear of polluting uses to ensure clean water; and • Promote water conservation and education. 	
GHG Emission Reduction Potential	Impacts on GHG emissions nominal	

Our Natural Assets

Where are we now?

With an increase in the severity and frequency of extreme weather events Hiawatha First Nation must be prepared to respond to a changing climate in order to become more resilient. Trees act as carbon sinks; retrieving carbon dioxide from the atmosphere and releasing oxygen.

How are we going to get there?

Strategy 3: Shoreline Preservation and Restoration		
Primary Action	Mitigation impact: direct	Adaptation impact: direct
	Preserve and restore shorelines especially on lands where development is close to the shoreline.	
Supporting Actions/ Policies	<ul style="list-style-type: none">• Focus on ecological health/improvement of the local watershed;• Allow for the creation of a floodplain management plan, flood monitoring and forecasting systems to mitigate and adapt to the impacts of climate change; and• Plant native species along shorelines and property edge to restore and protect bank from erosion, degradation, and ice damage.	
GHG Emission Reduction Potential	Impacts on GHG emissions reduction for tree planting	

Strategy 4: Invasive Species Remediation and Removal		
Primary Action	Mitigation impact: indirect	Adaptation impact: indirect
	Remediate and remove invasive species especially on lands and in water bodies where there is opportunity for permanent damage to the habitats of native species, including those with traditional and cultural significance.	
Supporting Actions/Policies	<ul style="list-style-type: none">• Focus on health/improvement of native plant and animal species;• Allow for the creation of an invasive species management plan, that will ensure that invasive species do not remove native species through competition, predation, and the destruction of interdependent links that tie ecosystems and communities together;• Monitor for impacts to native species habitat and associated impacts of climate change; and• Promote education on invasive species.	
GHG Emission Reduction Potential	Impacts on GHG emissions nominal	

Our Buildings

Where are we now?

Greenhouse gases are emitted from buildings where energy is used for lighting, heating, and cooling. It is important that measures be taken within Band Administrative Buildings used by community to reduce greenhouse gases.

How are we going to get there?

Strategy 5: Ensure High Environmental Performance for New Builds		
Primary Action	Mitigation impact: direct	Adaptation impact: indirect
	New buildings should be built with energy efficiency in mind and to have a smaller environmental impact than their predecessors.	
Supporting Actions/ Policies	<ul style="list-style-type: none">Plan for high performance measures in all new buildings, including energy efficiency, water conservation, renewable energy, net-zero or passive buildings; andSeek funding wherever possible with Utilities incentives.	
GHG Emission Reduction Potential	Impacts on GHG emissions reduction for energy efficiency	

Our Energy

Where are we now?

To effectively combat and adapt to a changing climate Hiawatha First Nation will have to work to lower their energy consumption. Energy efficiency will help to reduce the amount of greenhouse gas emissions created by the community and create greater reassurance from severe price increases for energy. The development of a Community Energy Plan would allow Hiawatha First Nation to use best practices to manage their energy. The plan would encompass all actions that follow and help to improve the quality of life of community members.

How are we going to get there?

Strategy 6: Investigate more Viable Rural Heating Based Technologies		
Primary Action	Mitigation impact: direct	Adaptation impact: direct
	Investigate alternative heating technologies for all building types.	
Supporting Actions/ Policies	<ul style="list-style-type: none">Research rural heating based technologies such as generator oil when new technology emerges that will help to reduce greenhouse gas emissions; andSeek external funding wherever possible.	
GHG Emission Reduction Potential	Impacts on GHG emissions reduction for heating efficiency	

Strategy 7: Explore use of Net-Metering		
	Mitigation impact: direct	Adaptation impact: direct
Priority Action	Explore the use and viability of net-metering for all buildings.	
Supporting Actions/ Policies	<ul style="list-style-type: none"> • Research availability and viability of net-metering for all buildings; • Ensures that community members are only charged for the amount of net energy they use in a given time period; • Works alongside solar photovoltaic installations; and • Credit is given for storing energy in the grid and any excess put back into the grid. 	
GHG Emission Reduction Potential	Impacts on GHG emissions reduction for energy efficiency	

Our Traditional Ecological Knowledge and Awareness

Where are we now?

Retaining traditional ecological knowledge and First Nations cultural heritage, education and awareness will play a key role in helping to maintain quality of life for community members while they adapt to a changing climate.

How are we going to get there?

Strategy 8: Create Gardens for Sacred Medicines and to Support Pollinators		
	Mitigation impact: indirect	Adaptation impact: direct
Primary Action	Develop gardens for Sacred Medicines, grow local food, and support pollinators.	
Supporting Actions/ Policies	<ul style="list-style-type: none"> • Create and maintain giving gardens that will help to provide understanding and awareness of medicinal plants and herbs; • Encourage installation of gardens across Hiawatha First Nation responding to the steep decline of pollinators such as bees, butterflies, and birds; and • Work with Peterborough Pollinators for support and recognition. 	
GHG Emission Reduction Potential	Impacts on GHG emissions nominal	

Strategy 9: Promote Teaching Opportunities Especially for Traditional Ecological Knowledge		
	Mitigation impact: indirect	Adaptation impact: direct
Primary Action	Create teaching opportunities for Traditional Ecological Knowledge, especially those related to climate change.	
Supporting Actions/ Policies	<ul style="list-style-type: none"> • Teach children about Traditional Ecological Knowledge, providing opportunities for Elders to share their knowledge; • Encourage Hiawatha First Nation to hold regular symposiums that will focus on sharing climate change knowledge; • Symposiums will engage participants of all ages, including youth leaders 	

Strategy 9: Promote Teaching Opportunities Especially for Traditional Ecological Knowledge	
	<p>and elders, to share the knowledge they possess with regards to climate change adaptation and mitigation;</p> <ul style="list-style-type: none"> • Experts and individuals who are knowledgeable on the subject will also be invited to participate; • Hoping to reach a wide audience and encourage the attendance of all community members; • Introduce school-age children to the issues of climate change through Planet Protector Academy, empowering students to lead the change within their lives, especially at home; and • Expand Planet Protector Academy program by adding the waste reduction and water segments, as they become available.
GHG Emission Reduction Potential	Impacts on GHG emissions nominal

Strategy 10: Loss of Maple Syrup	
	<p>Mitigation impact: indirect Adaptation impact: direct</p> <p>Preserve and protect maple trees and local production of maple syrup.</p> <ul style="list-style-type: none"> • Continue to educate community members on the importance of maple syrup and its central role in ceremony, powwows, and social visiting in First Nation culture.
GHG Emission Reduction Potential	Impacts on GHG emissions nominal

Our Food

Where are we now?

Supporting the production, growing, and use of local foods in Hiawatha First Nation will play a key role in helping to maintain the quality of life for community members while they adapt to a changing climate.

How are we going to get there?

Strategy 11: Creation of a Food Cooperative	
	<p>Mitigation impact: indirect Adaptation impact: direct</p> <p>Explore the creation of a food cooperative to share food with local residents.</p> <ul style="list-style-type: none"> • Create and maintain a food cooperative program to highlight the importance of food sharing in First Nation culture; • Take extra food from personal gardens to the food cooperative; • Exemplified in the “Giveaway” (or miinidiwag) which is the custom of giving away what one has to those who do not have; and • Remembering to always express gratitude to the Creator for what is being received and for the land and creatures that offer themselves and their gifts to the First Nation way of life.

Strategy 11: Creation of a Food Cooperative

GHG Emission Reduction Potential	Impacts on GHG emissions nominal
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Section 3: Corporate Action Plan

Where are we now?

In 2011, 124 tonnes of CO₂e were emitted by Hiawatha First Nation Band Administration. Based on this projected growth for Hiawatha, Band Administration emissions are expected to grow to 144 tonnes of CO₂e by 2031 if nothing is done to reduce GHG emissions. For further details on Hiawatha First Nation's baseline Band Administration emissions (PCP Milestone 1), please see the Appendix attached to this chapter entitled *Hiawatha First Nation - Corporate Emissions*.

Where do we want to go?

Hiawatha First Nation is aiming to achieve a 15% reduction in its GHG emissions from the 2011 baseline by 2031. This is equivalent to 19 less tonnes of CO₂e emitted per year by 2031, which would put Hiawatha First Nation's Band Administration emissions at 105 tonnes of CO₂e per year by 2031 compared to the current 124 tonnes per year.

How are we going to get there?

The following section details the strategies and actions that Hiawatha First Nation will use to achieve its corporate GHG emissions reduction target. Further detail on specific strategies are provided in the main Climate Change Action Plan document; however, a number of strategies are also unique to Hiawatha First Nation Band Administration, in honour of their culture, traditions, way of life, and traditional ecological knowledge.

Our Natural Assets

Where are we now?

Hiawatha First Nation is the Earth, the Earth is Hiawatha First Nation and therefore it is important to be prepared and respond to a changing climate in order to become more resilient with an increase in the severity and frequency of extreme weather events.

How are we going to get there?

Strategy 12: Natural Heritage Protection and Preservation

	Mitigation impact: direct	Adaptation impact: direct
Primary Action	Develop a natural heritage protection and preservation program to ensure that culturally significant species are maintained and protected.	
Supporting Actions/Policies	<ul style="list-style-type: none">Develop a Natural Heritage Protection Plan to ensure the protection and enhancement of culturally significant species, including but not limited	

Strategy 12: Natural Heritage Protection and Preservation	
	<p>to native wild rice;</p> <ul style="list-style-type: none"> • Develop a tree planting program and replacement program to ensure a sustainable tree canopy for future generations, that will promote vegetation, as well as species that are hardy with the changing climate, and allow for community support through volunteering; • Educate the community on the significance and the value of the Natural Heritage Protection Plan, ensuring that community members are aware of the plan; • Ensure wild rice farmers are in tune with protection of the wild rice; • Encourage the use of tree species that help with the heating/cooling effect of surrounding areas; and • Plant a diverse range of local species to ensure sustainability with a changing climate.
GHG Emission Reduction Potential	Potential GHG emissions reduction for tree planting

Strategy 13: Promote Energy Efficiency and Low Carbon Thinking	
Primary Action	<p>Mitigation impact: direct Adaptation impact: indirect</p> <p>Promote energy efficiency and low carbon thinking by creating policy and embedding within daily operations.</p>
Supporting Actions/Policies	<ul style="list-style-type: none"> • Promote and embed energy efficiency and low carbon options in daily operations, within Band operated buildings and across all departments; and • Seek funding wherever possible with SaveONenergy and Utility incentives.
GHG Emission Reduction Potential	Potential GHG emissions reduction for energy efficiency

Strategy 14: Improve Environmental Performance of Existing Buildings & Equipment	
Primary Action	<p>Mitigation impact: direct Adaptation impact: direct</p> <p>Improve environment performance of existing buildings and equipment.</p>
Supporting Actions/Policies	<ul style="list-style-type: none"> • Allow for the delivery of an energy retrofit programs for Band operated buildings; • Improve the efficiency and environmental performance of buildings and equipment by right sizing, installing Building Automation Systems, retrofitting or replacement, optimize high performance lighting such as LED, installing solar applications, and so on; • Also consider building envelope, drainage, rainwater conservation, low impact development;

Strategy 14: Improve Environmental Performance of Existing Buildings & Equipment	
	<ul style="list-style-type: none"> • Commission buildings or conduct energy audits; and • Seek funding wherever possible with SaveONenergy and Utility incentives.
GHG Emission Reduction Potential	Potential GHG emissions reduction for energy efficiency

Our Transportation

Where are we now?

Hiawatha First Nation relies on personal vehicles as their only source of travel since there is no public transit. Band vans are used. Carpooling and a coordinating service enable residents to travel to the City of Peterborough for appointments, goods, and services. Residents walk and bike throughout the local community.

How are we going to get there?

Strategy 15: Explore a Rural Bus Service	
Primary Action	Mitigation impact: indirect Adaptation impact: direct Consider a rural bus service that helps to reduce the reliance on singular occupancy vehicles.
Supporting Actions/ Policies	<ul style="list-style-type: none"> • Allow for the creation and implementation of an Active Transportation Plan incorporating public transit, cycling, pedestrians and carpooling as methods to reduce greenhouse gas emissions; • Seek funding wherever possible to offset initial costs and ongoing operations and maintenance; and • Work collaboratively with neighbouring Townships, County of Peterborough, and City of Peterborough towards a joint service to minimize costs.
GHG Emission Reduction Potential	Potential GHG emissions reduction for rural bus service

Strategy 16: Anti-Idling Campaign and Policy	
Primary Action	Mitigation impact: direct Adaptation impact: indirect Develop an Anti-Idling Campaign and Policy for Band vehicles.
Supporting Actions/ Policies	<ul style="list-style-type: none"> • Allow for the creation and implementation of an anti-idling campaign and policy that will reduce the amount of harmful greenhouse gas emissions released by vehicular traffic.
GHG Emission Reduction Potential	Potential GHG emissions reduction for anti-idling campaign and policy

Strategy 17: Transition Band Vehicles to be More Fuel Efficient		
Primary Action	Mitigation impact: direct	Adaptation impact: indirect
	Allow for the creation and development of an asset replacement program that supports the transition of vehicles to be more fuel efficient and less carbon emitting.	
Supporting Actions/ Policies	<ul style="list-style-type: none"> Explore the feasibility of Electric Vehicles (EV) and installation of EV charging station(s) in Hiawatha First Nation; and Favour new energy efficient technologies as they arise. 	
GHG Emission Reduction Potential	Potential GHG emissions reduction for fuel efficiency	

Strategy 18: Enhance Pathways for Pedestrians and Cyclists		
Primary Action	Mitigation impact: direct	Adaptation impact: indirect
	Develop pathways, sidewalks, and trails for pedestrians and cyclists.	
Supporting Actions/ Policies	<ul style="list-style-type: none"> Encourage use of any existing infrastructure that would allow for the easy transition on methods of transportation that reduce the reliance on vehicular traffic and the production of fuel emissions; and Continued maintenance and replacement of sidewalk or pathway infrastructure when necessary. 	
GHG Emission Reduction Potential	Potential GHG emissions reduction for increased modes of active transportation	

Strategy 19: Pavement Infrastructure Replacement Policy		
Primary Action	Mitigation impact: indirect	Adaptation impact: direct
	Create a plan to track and monitor pavement and hardtop infrastructure.	
Supporting Actions/ Policies	<ul style="list-style-type: none"> Create and develop a pavement replacement policy to ensure adequate life cycle values that will take into consideration the relationship with climate change; and For example, increased temperature variability and products no longer lasting the duration they were once assigned. 	
GHG Emission Reduction Potential	Impacts on GHG emissions nominal	

Our Energy

Where are we now?

To effectively combat and adapt to a changing climate Hiawatha First Nation will have to work to lower their energy consumption. Energy efficiency will help to reduce the amount of greenhouse gas emissions created by the Band Administration and create greater reassurance from severe price increases for energy. The development of a Community Energy Plan would allow Hiawatha First Nation to use best

practices to manage their energy. The plan would encompass all actions that follow and help to improve the quality of life of community members.

How are we going to get there?

Strategy 20: Community Energy Plan (CEP)		
Primary Action	Mitigation impact: direct	Adaptation impact: indirect
	Develop a Community Energy Plan.	
Supporting Actions/ Policies	<ul style="list-style-type: none"> Develop a Community Energy Plan for Hiawatha First Nation Community using best practices, lessons learned, and new technology; Use successful examples from other communities where possible; and Seek funding for the study, which upon completion, may open up further funding opportunities for implementation. 	
GHG Emission Reduction Potential	Potential GHG emissions reduction for energy efficiency	

Strategy 21: Solar-Ready Housing Stock Policy		
Primary Action	Mitigation impact: direct	Adaptation impact: indirect
	Create a policy to ensure that all future housing stock is solar-ready.	
Supporting Actions/ Policies	<ul style="list-style-type: none"> Explore the feasibility of creating a solar-ready housing stock strategy that would ensure all future housing stock is solar-ready – as it is much cheaper to do while the building is being constructed as opposed to afterwards; and Possibility to be modelled based on existing strategies created and used by the Chippewa's of Rama First Nation. 	
GHG Emission Reduction Potential	Potential GHG emissions reduction for energy efficiency	

Strategy 22: Develop a Green Team		
Primary Action	Mitigation impact: direct	Adaptation impact: direct
	Develop a staff Green Team made up of local champions to consider opportunities for greening operations.	
Supporting Actions/ Policies	<ul style="list-style-type: none"> Hiawatha First Nation should create a Committee to work on greening their operations. 	
GHG Emission Reduction Potential	Depending on local action, some greenhouse gas reductions may occur	

Strategy 23: Make Existing Building Stock Energy Efficient		
Primary Action	Mitigation impact: direct	Adaptation impact: indirect
	Make existing building stock more energy efficient.	
Supporting Actions/ Policies	<ul style="list-style-type: none"> Conduct energy audits on existing buildings to locate opportunities and efficiencies; 	

Strategy 23: Make Existing Building Stock Energy Efficient		
GHG Emission Reduction Potential		<ul style="list-style-type: none"> • When and where possible install occupancy sensors on all Band operated buildings; • Explore the feasibility of installing building automated systems for heating and cooling; • Replace all lighting with LED or energy efficient lighting; • Replace appliances with only Energy Star rated appliances; • Explore the feasibility of implementing a program or policy that shuts off all computers at the end of the work day; and • Shut off all appliances, printers, and radios at the end of each day.
		Potential GHG emissions reduction for energy efficiency
Strategy 24: Support Solar Photovoltaic Projects		
Primary Action Supporting Actions/ Policies GHG Emission Reduction Potential	Mitigation impact: direct	Adaptation impact: indirect
	Support the installation of solar projects where possible and feasible.	
	<ul style="list-style-type: none"> • Allow for the creation, development and implementation of a solar photovoltaic paneling pilot project on Band operated buildings where it is feasible to do so; and • Seek funding wherever possible. 	
		Potential GHG emissions reduction for energy efficiency
Strategy 25: Upgrade all Street and Parking Lot Lighting to LED		
Primary Action Supporting Actions/ Policies GHG Emission Reduction Potential	Mitigation impact: direct	Adaptation impact: indirect
	Upgrade all street and parking lot lighting to LED.	
	<ul style="list-style-type: none"> • Install LED lighting in areas that are considered popular by community members and where there is heavy public traffic; • Upgrade any and all existing street and parking lot lighting with energy efficient lighting; and • Seek funding wherever possible. 	
		Potential GHG emissions reduction for energy efficiency

Our Waste

Where are we now?

The production of waste in homes and buildings contributes to greenhouse gas emissions. Hiawatha First Nation needs to reduce the amount of waste they generate, diverting materials to reduce, reuse, recycle, and compost.

How are we going to get there?

Strategy 26: Enhance Waste Diversion		
	Mitigation impact: direct	Adaptation impact: indirect
Primary Action	Investigate opportunities to reduce waste through diversion programs.	
Supporting Actions/ Policies	<ul style="list-style-type: none"> • Explore the opportunity of using Otonabee-South Monaghan's Household Hazardous Waste Transfer Station or continue to use the City's Pido Road Households Hazardous Waste; • Research the feasibility of implementing a clear bag identification strategy for all residents, businesses, and Band buildings to identify that all materials are being put in the correct waste stream; • Continue to create and share recycling and promotional material with all members of the community; and • Research the viability of adding additional recycling programs. 	
GHG Emission Reduction Potential	Potential GHG emissions reduction for fuel efficiency	