

4.1 MUNICIPAL ACTIONS								
Type of Action	Project / Activity	Objectives	Lead	Partner	Term	Estimated GHG Emission Reductions	Total Project Cost	Other benefits
<i>Strategy I. Develop a more aware, committed and engaged workforce within the city to improve efficiency and reduce operating costs.</i>								
○	4.1.1 Create an Environment/ Sustainability Coordinator entry-level position on city staff.	The Environment/ Sustainability Coordinator would ensure that Thompson benefits from, and stays in the forefront of the emerging green economy as well as implement and monitor progress of this Action Plan.	Thompson City Council		Short	None	\$70,000	The community would have access to a local green resource person.
ENERGY CONSUMPTION/EFFICIENCY								
<i>Strategy I. Increase efficiency of and reduce the consumption of energy in municipal operations.</i>								
○	4.1.2 Continue with Power Smart energy upgrades on all municipally operated buildings	The City of Thompson will continue to upgrade municipal buildings as per Appendix E.	City of Thompson Assets & Infrastructure	MB Hydro	Short	To be Determined	To be determined	
○	4.1.3 Lighting improvements for all municipally operated buildings.	The City of Thompson will reduce the consumption of energy through improvements and upgrades to all lighting in municipally operated buildings.	City of Thompson Assets & Infrastructure, Recreation Department	Manitoba Hydro	Short	To be Determined	To be determined	
○	4.1.4 Install geothermal heating/cooling system for City Hall	The current heating system for City Hall is in need of replacement. Based on the geothermal heating/cooling feasibility study for City Hall in 2009 (Appendix F), the City of Thompson will install a horizontal geothermal system to heat/cool City Hall.	City of Thompson, Assets & Infrastructure	MB Hydro	Short	To be Determined	\$100,000 to \$125,000	Cost saving of \$16,000 annually
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○	4.1.5 Replace windows in City Hall to conform to current energy efficient standards.	As per the 2003 Power Smart evaluation (Appendix E), the City of Thompson will continue with window upgrades and replacement	City of Thompson, Assets & Infrastructure		Medium	To be Determined	\$1,000,000	
○	4.1.6 Geothermal heating/cooling feasibility study for all municipally operated buildings.	To review the feasibility of geothermal heating/cooling for all municipally operated buildings, including Public Works, the Norplex Pool, the Nesbit Arena, the Public Safety Building, the Thompson Zoo and the Thompson Library.	City of Thompson, Assets & Infrastructure	Manitoba Hydro	Short	To be Determined	To be determined	
○	4.1.7 Feasibility Study: Heat Capture from Wastewater	Within five years, the Wastewater Treatment Plant will be revamped; at this time, a feasibility study will assess the viability of heat capture from wastewater	City of Thompson Assets & Infrastructure, Water Utility		Long	To be Determined	To be determined	
○	4.1.8 Purchase New Asphalt Plant and Decomission the Existing One.	The City's asphalt batch plant was shut down in 2009 due to environmental concerns. Options for the City's asphalt needs include purchasing from a local supplier or the purchase a newer model asphalt plant with emission controls. The existing asphalt plant is to be decomissioned.	City of Thompson, Assets & Infrastructure		Long	To be Determined	\$1,000,000 +	
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TRANSPORTATION								
<i>Strategy I. Develop and provide support for maintenance and operational policies to increase fuel efficiency and reduce GHG emissions.</i>								
P	4.1.9 Develop and implement an eco-Maintenance Policy for the Municipal Fleet	Implement an eco-maintenance policy to keep the municipal fleet vehicles well maintained, as suggested by SNC Lavalin.	City of Thompson, Department of Public Works		Implementation could begin immediately, and then continue on a regular basis.	0.5781 + tonnes	To be determined	Longer life span of municipal vehicles
P	4.1.10 Develop and Implement a Reduced-Idling Policy for all municipal vehicles and Idle-Free Zone designation for all municipal buildings.	The City of Thompson will enforce a reduced idling policy at all municipal buildings with increased and more visible signage and stronger direction from City Hall.	Thompson City Manager, City of Thompson Environment/Sustainability Coordinator	Department Managers	Immediate	7.3 tonnes	\$200	A very visible example to the community as well as considerable cost savings to the municipality.
<i>Strategy II. Reduce fuel consumption and GHG emissions from the municipal fleet through a reduction in annual distances traveled.</i>								
P	4.1.11 Develop and implement a Municipal Travel Policy	To reduce municipal corporate travel cost, the City of Thompson will develop a municipal travel policy. This policy will assess all local corporate travel and focus on its minimization.	Thompson City Manager, City of Thompson Environment/Sustainability Coordinator	Department Managers	Immediate	To be Determined	\$ 10-15,000	Increased money in city budget.
O	4.1.12 Develop and implement a Teleworking Pilot Project	City of Thompson will implement a teleworking pilot project to assist in meeting both business and sustainable development objectives.	Manager, City of Thompson		Immediate	To be Determined	\$0	Improved efficiency and happier workforce.
<i>Strategy III. Evaluate the municipal fleet to maximize efficiency and minimize fuel consumption.</i>								
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O	4.1.13 Complete a fleet renewal study.	To properly assess the municipal fleet and identify where efficiency can be improved, an intensive and complete fleet renewal study will be preformed.	City of Thompson, Purchasing, Environment/ Sustainability Coordinator	All Departments	Immediate	To be Determined	\$0	This action will provide a better understanding of the status of the municipal fleet.
O	4.1.14 Right size the municipal fleet	Using information from the above mentioned action, the City of Thompson will right size and update the municipal fleet.	City of Thompson, Purchasing, Environment/ Sustainability Coordinator	Local vehicle dealerships	Before 2012	To be Determined	\$200,000	Reduced direct and associated vehicle operating costs.

WATER CONSUMPTION

Strategy I. Reduce water consumption within municipal operations.

P	4.1.15 Develop and implement a Water Conservation and Usage Policy.	The City of Thompson will adopt an Water Conservation and Usage Policy to support sustainable municipal water consumption.	City of Thompson Water Utility	All Departments	Immediate	To be Determined	\$ 5000 annually	Reduced operating costs due to increased water efficiency.
O	4.1.16 Replacement and upgrading of underground infrastructure (water & wastewater)	The City of Thompson will replace existing underground infrastructure with newer upgrades will significantly reduce the number of annual water breaks and address leakage issues of storm and ground water entering the sanitary system. A basic Inflow and Infiltration Study conducted this summer will provide a picture of the status of the current system.	Manager, City of Thompson		Long Term	To be Determined	1,500,000 Annually	Water savings as well as help lower municipal operating costs through the reduction in response vehicle fuel costs due to repeated water breaks.

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LAWN CARE AND LANDSCAPING								
<i>Strategy I. To promote sustainable lawn care and landscaping practices in municipal operations</i>								
P	4.1.17 Develop and implement a municipal green space / lawn care policy	The City of Thompson will review all City owned green spaces and recreation fields with respect to landscaping and maintenance practices and develop a sustainable lawn care/landscaping policy.	City of Thompson Recreation Department	City of Thompson, Environment / Sustainability Coordinator	Immediate	To be Determined	\$0	The policy will help lower municipal operating costs as well as model sustainable lawn care for the community.
4.1.5 WASTE								
<i>Strategy I. Track, monitor and reduce waste generated by municipal operations.</i>								
O	4.1.18 Complete a waste audit for municipal operations	To assess the amount of waste generated by the municipality itself, and correspondingly where efforts can be made to increase efficiency and reduce waste an internal waste audit will be performed for all municipal operations.	City of Thompson, Environment/Sustainability Coordinator	Department Managers	Short	To be Determined	\$0	Employees will gain increased awareness of the amount of waste generated by day-to-day operations.
P	4.1.19 Develop and implement a Municipal Green Procurement Policy	This action will ensure the selection of products and services that minimize environmental impacts. The policy will provide means to evaluate the environmental consequences of a product at all the various stages of its lifecycle.	City of Thompson, Environment/ Sustainability Coordinator, Purchasing Department, City Council to adopt		Immediate	To be Determined	\$2,000	Reduction in operating costs while providing an example of environmental stewardship.
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O	4.1.20 Review utilization of e-Billing	If warranted by the above action, the City will employ Canada Post's e-billing for annual tax and quarterly water bills. In doing so, the City will enter the electronic age and reduce the amount of paper that the City uses.	City of Thompson Environment/Sustainability Coordinator, Finance Department		Short	To be Determined	\$15,000 - \$20,000	
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