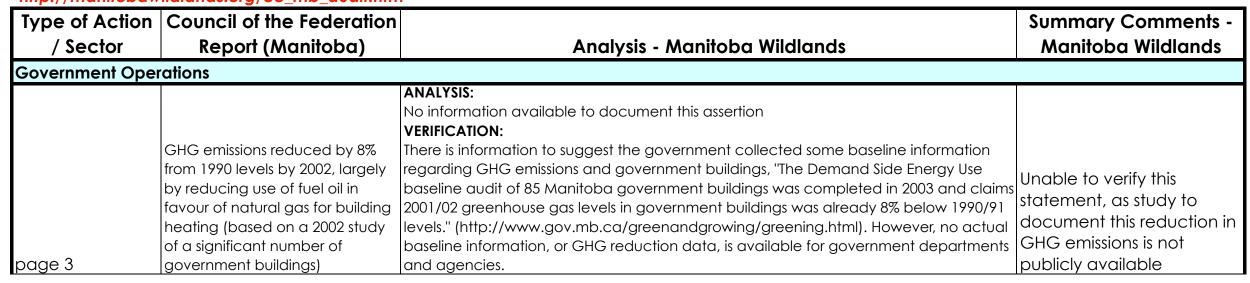
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007



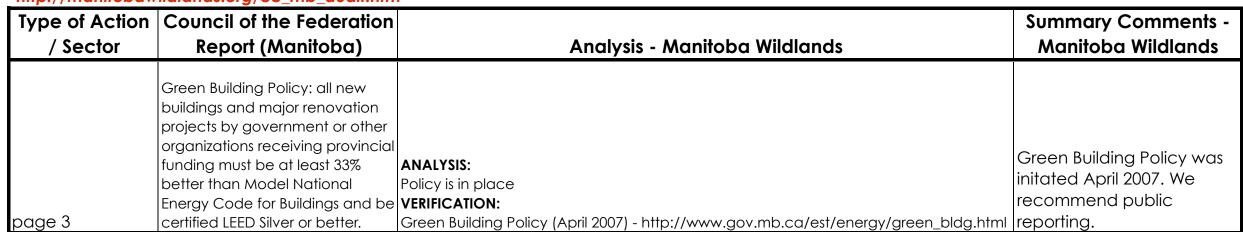
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





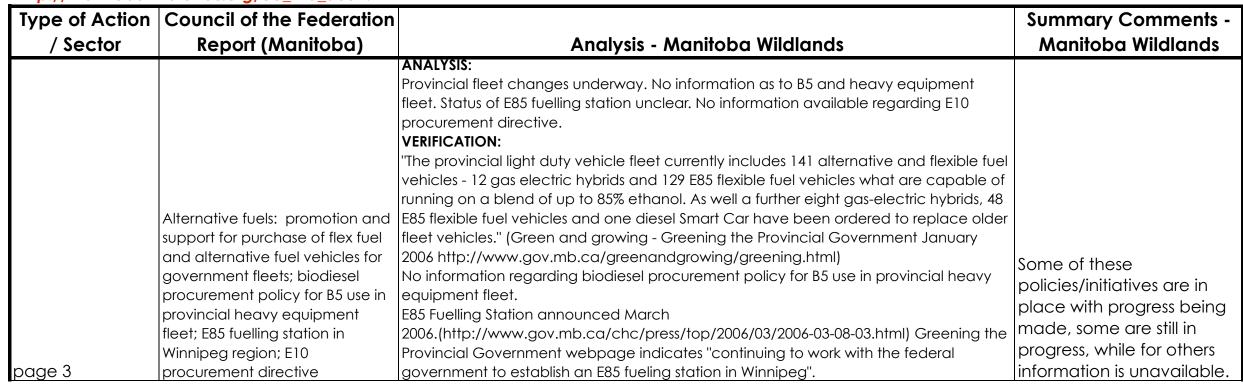
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





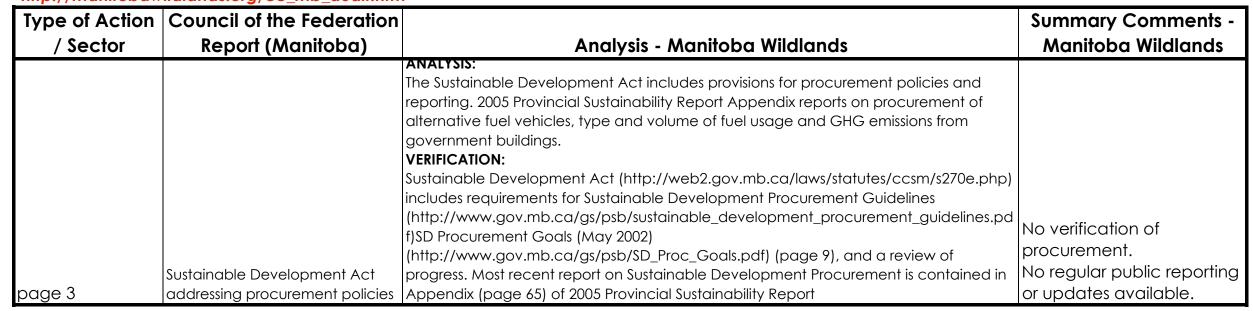
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





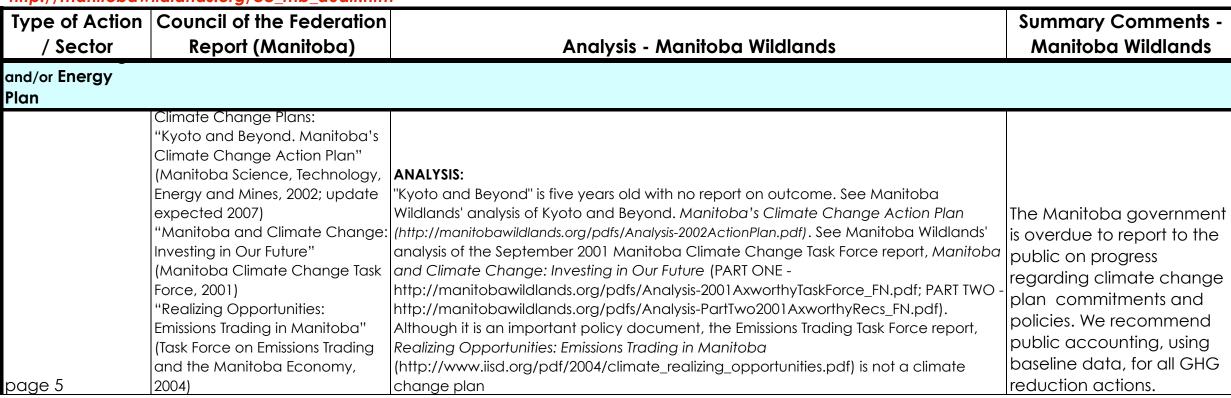
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

#### As of October 2007





Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007

Type of Action	<b>Council of the Federation</b>		Summary Comments -
/ Sector	Report (Manitoba)	Analysis - Manitoba Wildlands	Manitoba Wildlands
	Energy Plans: "Energy in Manitoba" (Manitoba Science, Technology, Energy and Mines 2006) "2006 Power Smart Plan" (Manitoba Hydro) "Green and Growing" (Manitoba Science, Technology, Energy and Mines, 2006) "Provincial Sustainability Report		Manitoba Chambers of Commerce recommended a provincial Energy Plan. Election commitments in 1999 and 2003 for a provincial energy plan
page 5	Conservation, 2005)	develop a provincial energy plan.	have not been fulfilled.



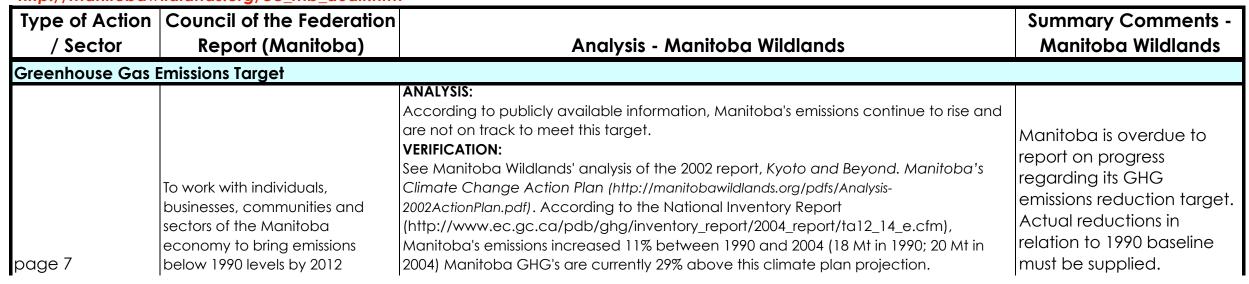
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007

Type of Action / Sector	Council of the Federation Report (Manitoba)	Analysis - Manitoba Wildlands	Summary Comments - Manitoba Wildlands
Reporting			Document does not contain reporting on climate change or GHG
page 8	"Provincial Sustainability Report" (Manitoba Bureau of Statistics, 2005)	ANALYSIS: This report does not consititute reporting on climate change or GHG emissions in Manitoba. VERIFICATION: "Provincial Sustainability Report" (Manitoba Bureau of Statistics, 2005) (http://www.gov.mb.ca/conservation/sustainabilityreport/pdf/sust_report_2005.pdf) - contains three pages dedicated to climate change that could be considered reporting (page25): "In 2002, Manitoba ranked sixth among the provinces and territories with total greenhouse gas releases of 21,600 kilotonnes of CO2 equivalent."	emissions. We recommend future Provincial Sustainability Reports provide detailed information regarding GHG emissions by sector over time, and that sources for all data be provided. Reporting needs to be in relation to 1990 baselines/data.

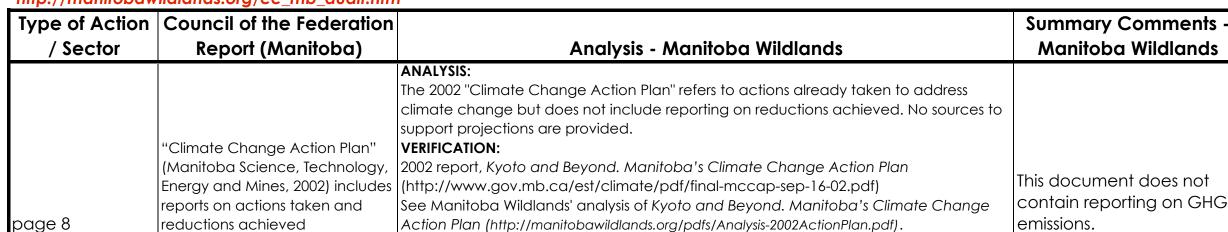
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





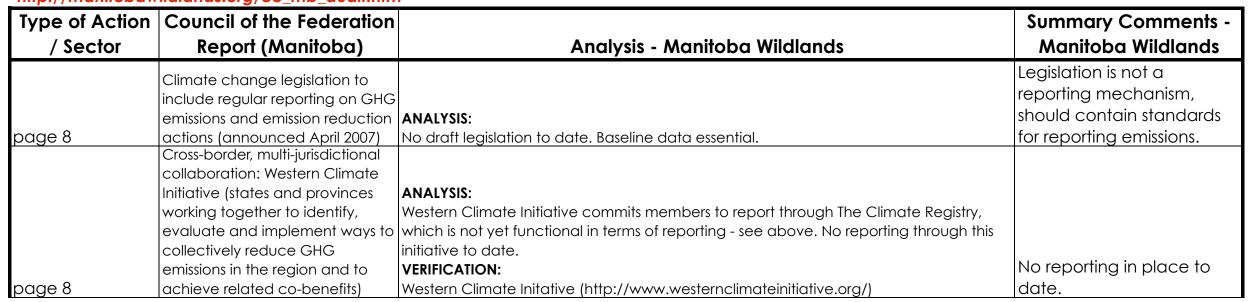
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007



Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007

Type of Action	<b>Council of the Federation</b>		Summary Comments -
/ Sector	Report (Manitoba)	Analysis - Manitoba Wildlands	Manitoba Wildlands
page 8	and publicly reporting GHG emissions accurately, transparently and consistently	ANALYSIS: The Climate Registry is not yet operational; it is scheduled to begin accepting data in January 2008 VERIFICATION: The Climate Registry (http://www.theclimateregistry.org/) & (http://www.theclimateregistry.org/The_Climate_Registry_FAQs.pdf)	The Climate Registry is not yet operational - no reporting to date.
Public Education	and Outreach		
page 10	Public Awareness and Outreach	ANALYSIS: The Climate Change Connection is in place; established in January 2002. VERIFICATION: The Climate Change Connection (http://www.climatechangeconnection.org/)	Social enterprise model recommended with less government control.



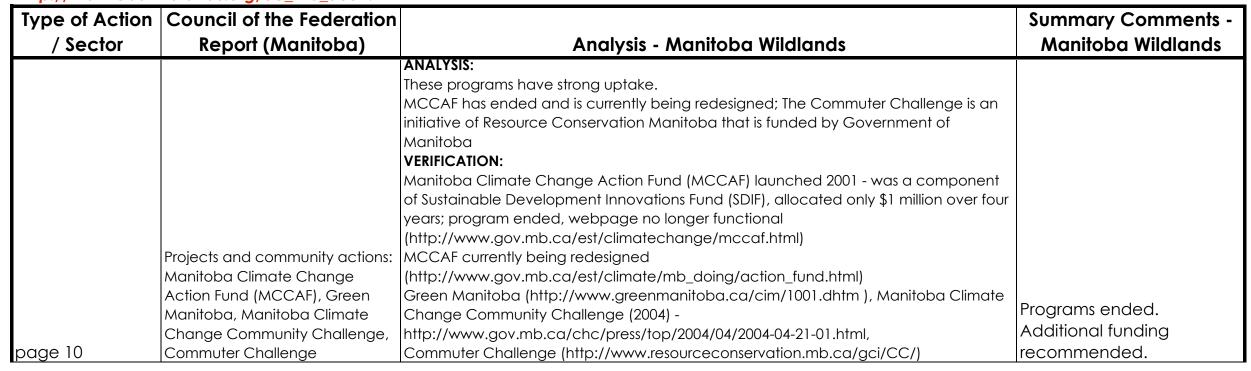
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007

Type of Action	<b>Council of the Federation</b>		Summary Comments -
/ Sector	Report (Manitoba)	Analysis - Manitoba Wildlands	Manitoba Wildlands
page 10	Publications aimed at community leaders and business	ANALYSIS: Too vague for analysis. VERIFICATION: Unable to verify this statement.	
page 10	Incorporation of climate change into school curricula	ANALYSIS: Unable to locate any information on climate change curricula for schools. VERIFICATION: Search for curricula online did not result in materials.	Unable to verify - but this is an important component of public education and outreach.
Rural			
page 12	Project support: support for projects including anaerobic digesters and ecological goods and services; biofuels, soil GHG mitigation	ANALYSIS: Too vague for analysis. VERIFICATION: Unable to verify this statement.	We recommend all project outcomes, reports, etc. be made publicly available - for example through a clearing house for case studies, successful goods, innovations.



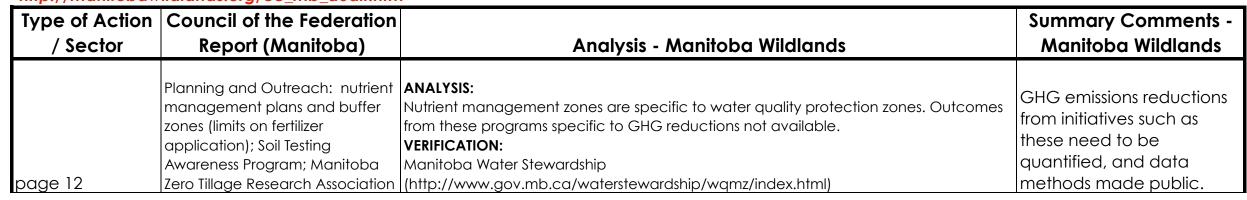
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007

Type of Action	Council of the Federation	Analysis - Manitoba Wildlands	Summary Comments -
/ Sector	Report (Manitoba)		Manitoba Wildlands
page 12	Loans and Incentives: Riparian Tax credit; Livestock Manure and Mortalities Management Regulation; carbon trading/offset systems opportunities for Manitoba agricultural producers; Retail Sales Tax Exemption for manure treatment equipment; BMP enhancement loans; environmental farm planning and associated Canada- Manitoba Farm Stewardship Program; controlled stubble burning		Certain of these are environmental management programs; relevance to GHG reductions not clear.



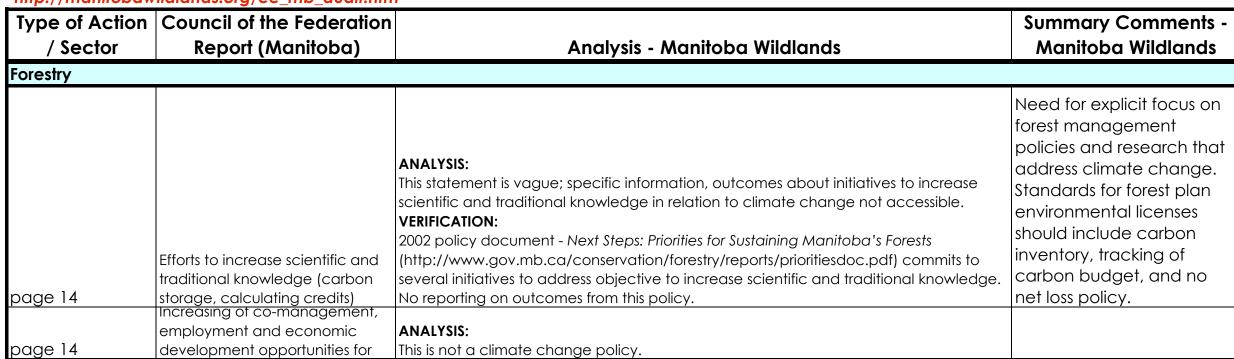
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

#### As of October 2007





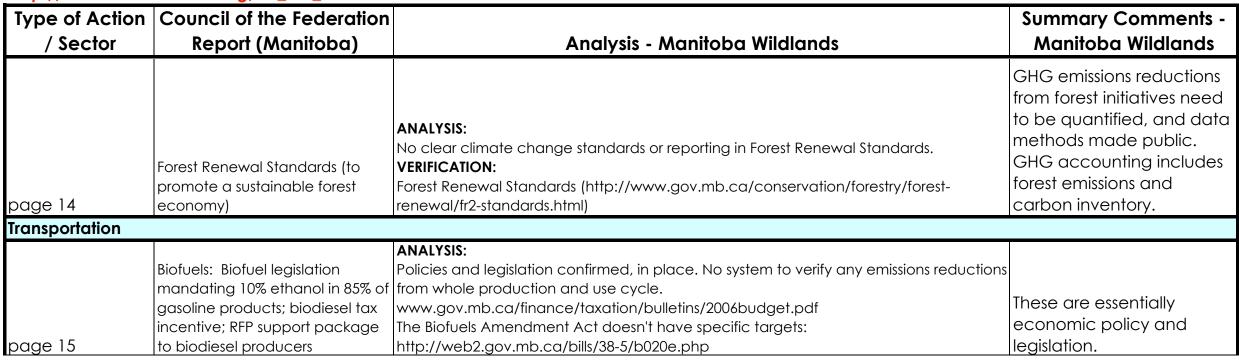
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

#### As of October 2007





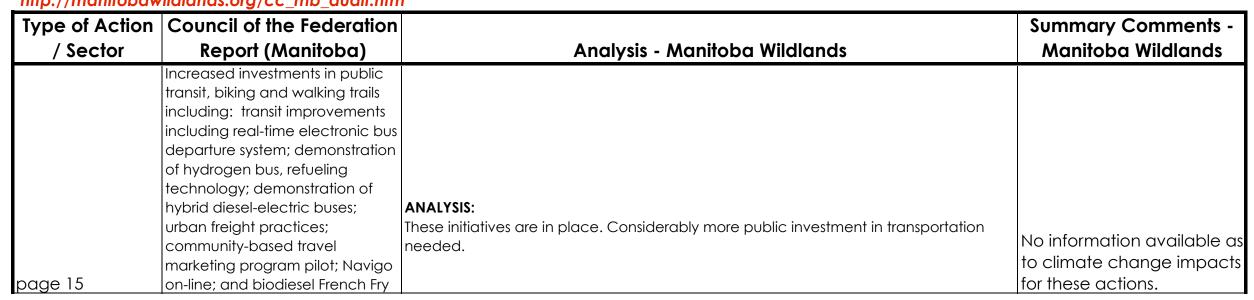
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





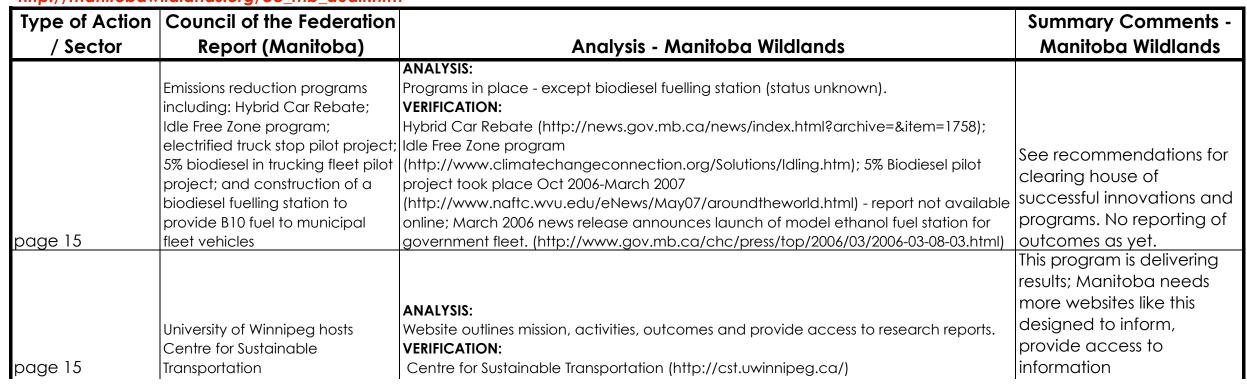
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007

Type of Action / Sector	Council of the Federation Report (Manitoba)	Analysis - Manitoba Wildlands	Summary Comments - Manitoba Wildlands
Primary Energy			
	(ground source heat pumps) installations; training of over 50%	ANALYSIS: Done, ongoing. VERIFICATION:	
. –	of Canada's geothermal	Government of Manitoba - Earth Energy	Similar programs needed
page 17	installers	(http://www.gov.mb.ca/est/climate/mb_doing/earth_energy.html) ANALYSIS: Done, ongoing.	for northern heating issues.
17	Loan program for geothermal	VERIFICATION:	
page 17	installations	Residential Earth Power Loan (http://www.hydro.mb.ca/earthpower/loan.shtml) ANALYSIS: Done VERIFICATION:	See above.
	Shutdown of 4 coal-fired units	Selkirk Generating Station	
	and conversion of 2 coal units to	(http://www.hydro.mb.ca/corporate/facilities/gs_selkirk.shtml); Brandon Generating	No public reporting as to
page 17	natural gas	Station (http://www.hydro.mb.ca/corporate/facilities/gs_brandon.shtml)	emissions reductions.



Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007

Type of Action	<b>Council of the Federation</b>		Summary Comments -
/ Sector	Report (Manitoba)	Analysis - Manitoba Wildlands	Manitoba Wildlands
		ANALYSIS:	
		Done	
		VERIFICATION:	
	Assisting off-grid communities to	2006 Performance Report	
	reduce reliance on fossil fuels	(http://www.hydro.mb.ca/environment/greenhouse_gas/performance.shtml) - numbe	r
page 17	(Manitoba Hydro)	of communities served by diesel generation reduced to four from twelve	
Electricity			
			Recommend clear
		ANALYSIS:	distinction between actions
	96% of electricity is hydroelectric:	There are no new dams yet; last dam completed in 1990s. (Wuskwatim still in	taken and intended in all
page 19		construction stage)	reporting.
	Legislation that allows profits from		
	export sales of renewable energy		
		Unable to locate legislation or regulation that allows profits from export sales of	
	efficiency for low income and	renewable energy to be targeted toward energy efficiency for low income and First	
page 19	First Nation housing	Nation housing.	Unclear. No verification.



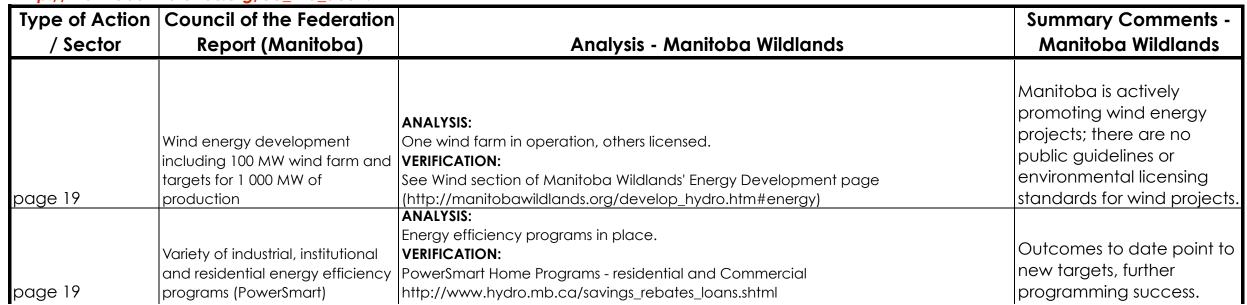
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





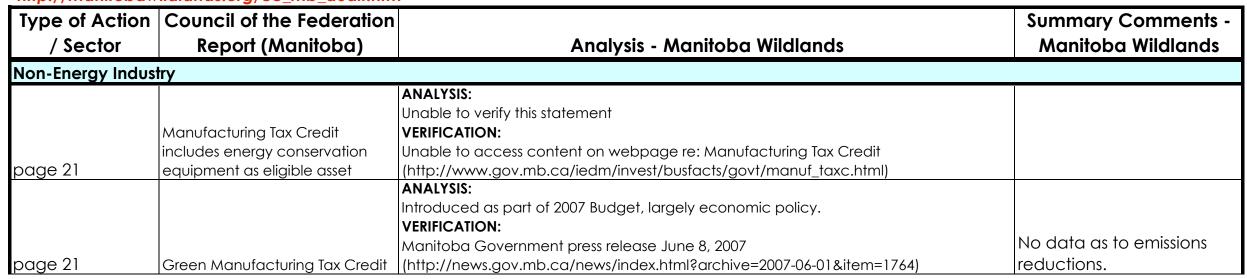
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





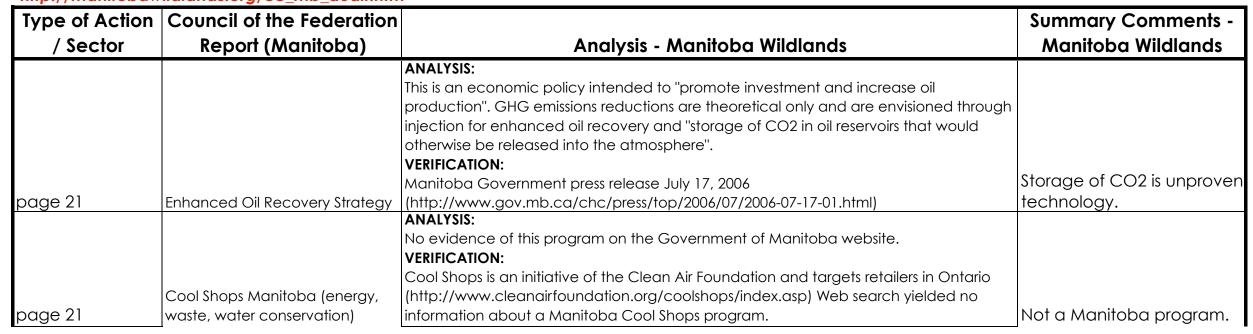
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





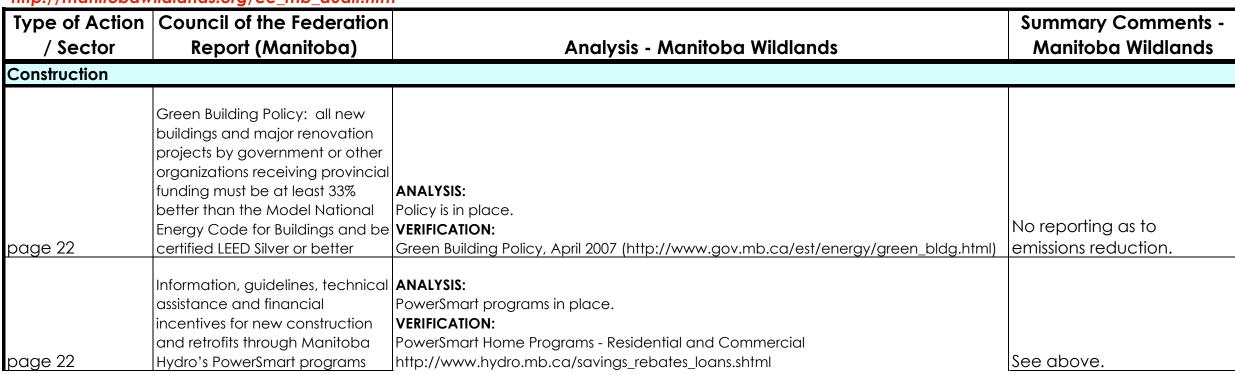
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007

Type of Action	<b>Council of the Federation</b>		Summary Comments -
/ Sector	Report (Manitoba)	Analysis - Manitoba Wildlands	Manitoba Wildlands
page 22	Airport Authority Terminal	VERIFICATION:	Recommend energy efficiency retrofit of Red River College main campus.
	Photovoltaic demonstration	VERIFICATION:	
page 22	projects	Unable to verify - statement not specific	
Waste Manageme	ent		
	Extended Producer Responsibility		
page 24	Strategy	EPR - Green Manitoba (http://www.greenmanitoba.ca/cim/1001C1_1T94T3T285.dhtm)	



Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007



Type of Action / Sector	Council of the Federation Report (Manitoba)	Analysis - Manitoba Wildlands	Summary Comments - Manitoba Wildlands
		ANALYSIS: 2007 public review, no public registry for comments or response. Not clear which regulation.	
page 24		VERIFICATION: Proposed Packaging and Printed Paper Stewardship Regulation (http://www.gov.mb.ca/conservation/pollutionprevention/waste/steward_reg_draft.pd f)	Not yet in place.

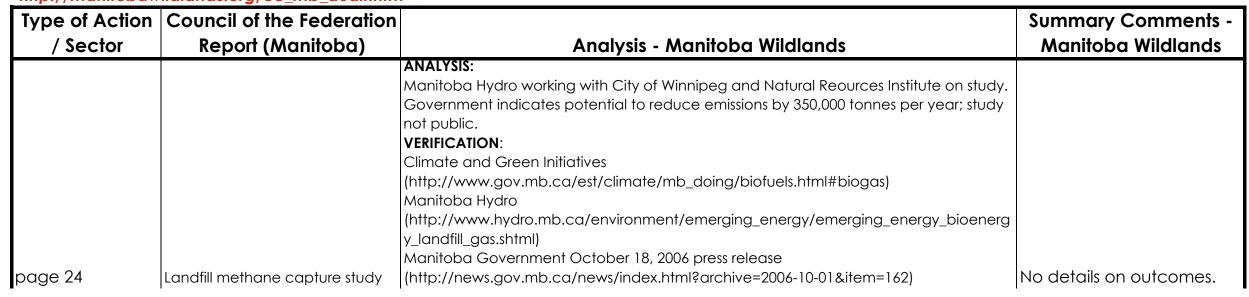
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





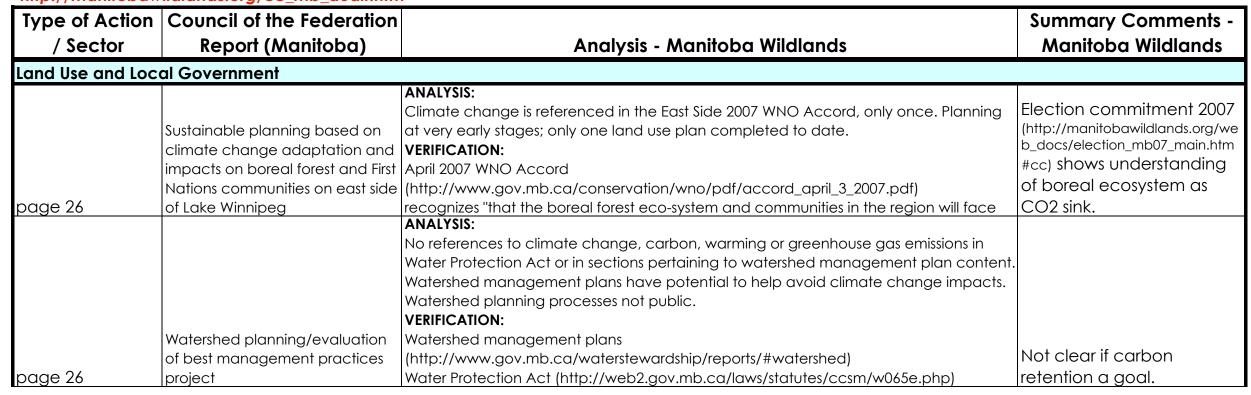
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





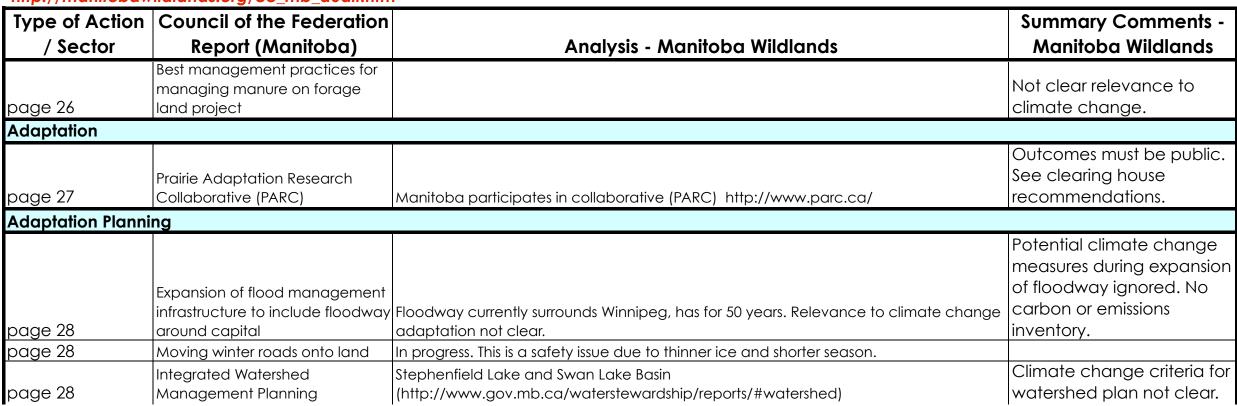
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007

Type of Action / Sector	Council of the Federation Report (Manitoba)	Analysis - Manitoba Wildlands	Summary Comments - Manitoba Wildlands
Adaptation Risk A	ssessment and/or Project Impl	ementation	
	Investment in research in funding for Prairie Adaptation Research Collaborative (PARC), a Climate Change Research Professor at University of Winnipeg, Centre for Earth Observation at University of Manitoba, Churchill Northern Studies Centre, private researchers, and Manitoba Climate Change Action Fund	Certain of these funding investments are shared, including with Manitoba Hydro.	All reports, outcomes from research investments need to be public. See recommendation for clearing house funding. Considerably more funding needed with cohesion for research objectives,
page 30	(MCCAF)	Outcomes difficult to verify. MCCAF outcomes should be public. ANALYSIS: Centre opened April 2, 2007	access to outcomes.
page 30	Host of Centre for Applied Research in Sustainable Infrastructure (Red River College)	VERIFICATION: Red River College April 2, 2007 press release (http://www.rrc.mb.ca/index.php?pid=2384∣=3588&rid=133)	



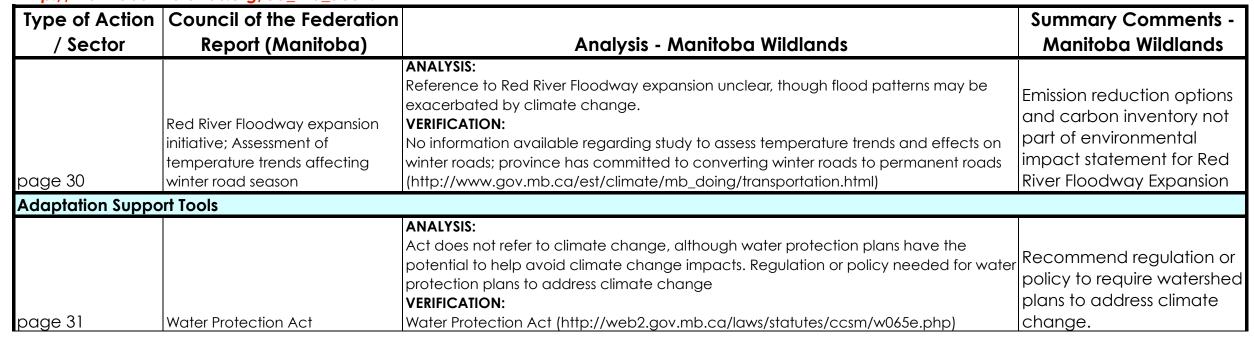
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





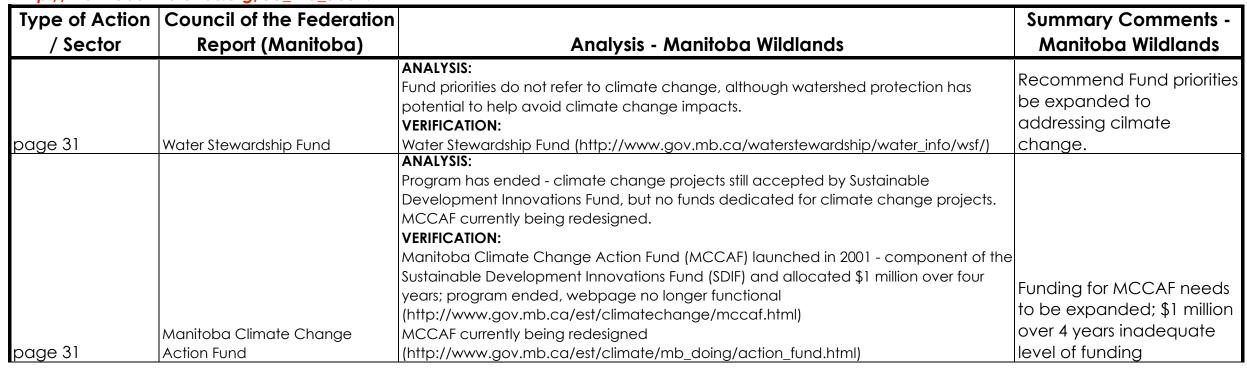
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





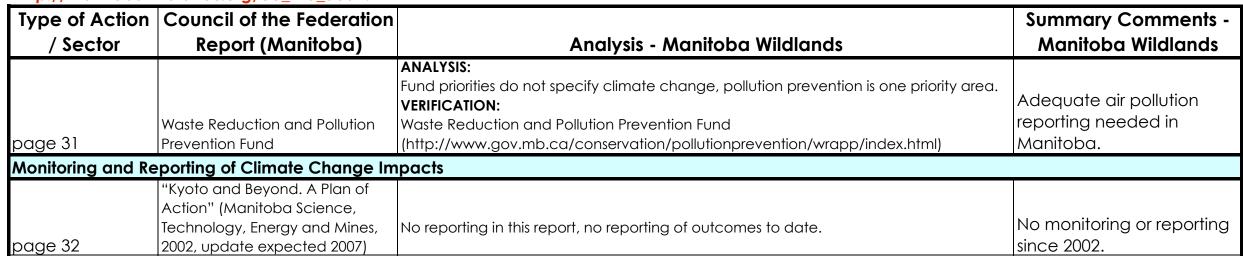
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





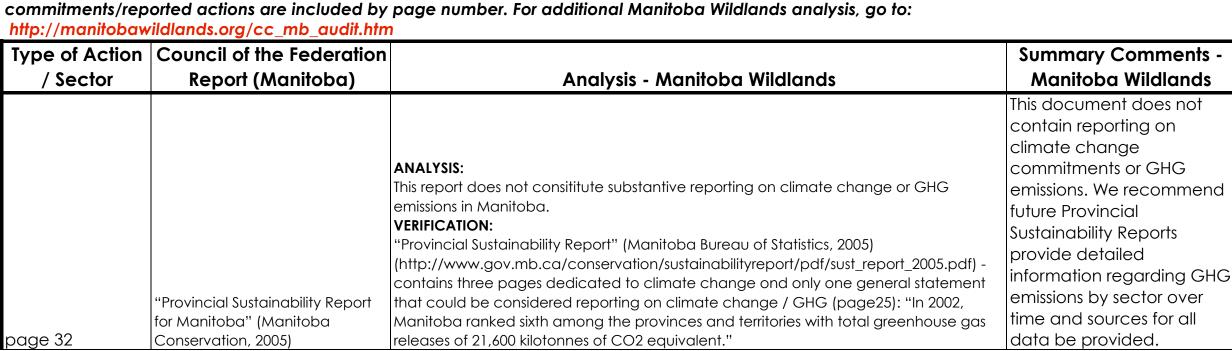
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

#### As of October 2007





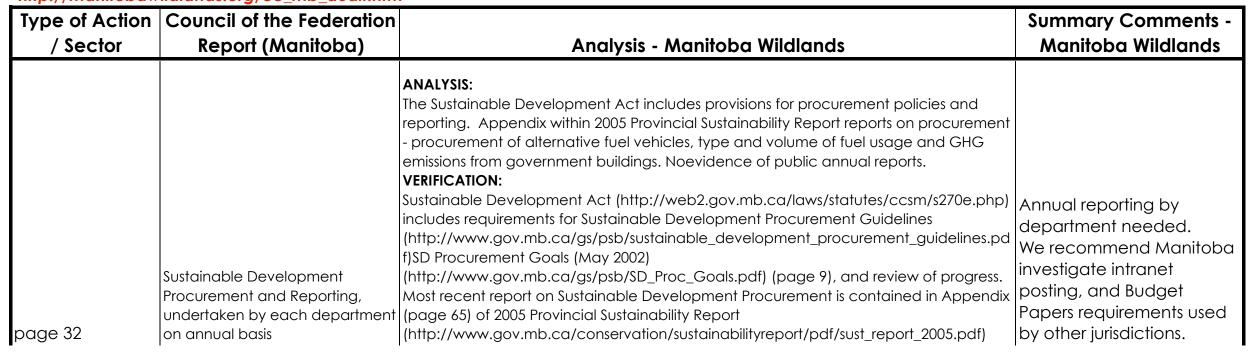
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

#### As of October 2007





Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007

Type of Action / Sector	Council of the Federation Report (Manitoba)	Analysis - Manitoba Wildlands	Summary Comments - Manitoba Wildlands
Research and Inn	ovation		
	Investment in research in form of funding for Prairie Adaptation Research Collaborative (PARC), Climate Change Research Professor at University of Winnipeg, Manitoba Hydro/NSERC Alternative Energy Chair at University of Manitoba; Centre for Earth Observation at the University of Manitoba; Churchill Northern Studies Centre; private researchers; and Manitoba Climate Change		See our recommendations for climate change clearing house - making innovations, new best practices , methods
page 33	Action Fund	Repeat information. All outcomes should be public.	available.



Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007

	Council of the Federation		Summary Comments -
/ Sector	Report (Manitoba)	Analysis - Manitoba Wildlands	Manitoba Wildlands
	Electric energy and vehicle to		
	grid technology (Manitoba Hydro		
	and NSERC Chair in Alternative		
page 33		Manitoba Hydro research activities.	Outcomes needed.
	Promotion of hydrogen		
	technology: Hydrogen Transit Bus		
	Cold Weather Testing (Vehicle		
	Technology Centre); "Preliminary		
	Hydrogen Opportunities Report"		
	– Manitoba Energy Development		
	Initiative, 2003; Hydrogen Centre	ANALYSIS:	
page 33	of Expertise; MOU with Iceland	These are economic energy strategies: climate change outcomes not as yet clear.	
	Manitoba Zero Tillage Research		
	Association, mitigation of GHG		
	emissions from Agriculture	ANALYSIS:	
	(Department of Soil Science,	In place. Reduction of tillage results in less fossil fuel usage. It increases chemical use,	
page 33	University of Manitoba)	where full life emissions analysis is needed to determine net GHGs impact.	



Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007

Type of Action / Sector	Council of the Federation Report (Manitoba)	Analysis - Manitoba Wildlands	Summary Comments - Manitoba Wildlands
Energy Efficiency and Conservation			
6.5	residential, commercial and industrial sectors by 2017/2018 (since 1999, about 150 000 Manitobans participated in PowerSmart, reducing energy bills and saving 300 MW of	ANALYSIS: Base year not provided. One half this objective realized by 2007. This indicates considerably more electricity savings are feasible. Full reporting that provides residential vs. commercial savings needed. Commercial sector goals/targets need to define and report on pollution reduction also. VERIFICATION: PowerSmart (http://www.hydro.mb.ca/your_home/what_is_power_smart/index.shtml) PowerSmart energy savings	independent analysis of savings to date and new targets. All reporting needs to include specific GHG
page 35	small commercial incentive	(http://www.hydro.mb.ca/your_home/what_is_power_smart/energy_savings.shtml) ANALYSIS: Various commercial incentive programs under PowerSmart VERIFICATION:	reductions, using baseline.
page 35	program (Green Manitoba/Manitoba Hydro)	PowerSmart - Commercial (http://www.hydro.mb.ca/your_business/savings_commercial.shtml)	No data.



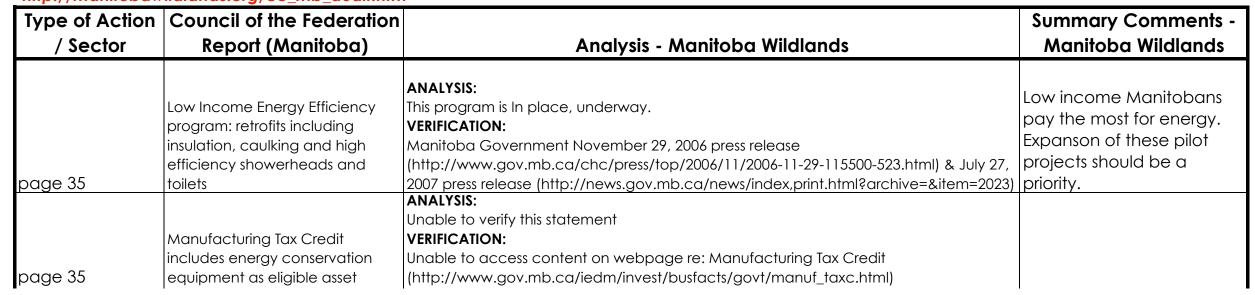
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





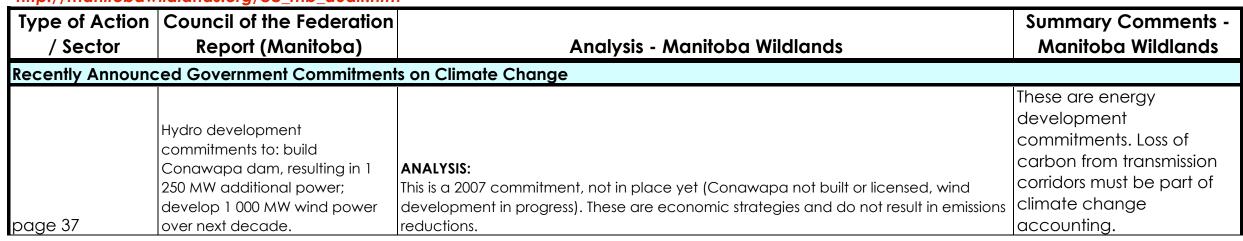
Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

### As of October 2007





Source: Climate Change: Leading Practices by Provincial and Territorial Governments in Canada

Council of the Federation, August 3, 2007

http://www.councilofthefederation.ca/pdfs/CCInventoryAug3\_EN.pdf

Product of Manitoba Wildlands

#### As of October 2007

