

Creating Climate-Friendly Communities: *A guide for community leaders who want to take action on climate change*



Climate Change Connection
Creating Climate-Friendly Communities
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INTRODUCTION

Are you interested in building momentum and inspiring action against climate change in your community? This guide will help you to get started and do something!

This guide is divided into three sections to provide you with guidance and support:

Educate

The first section provides you with fundamental background knowledge about climate change and provides links to learn more. The information will prepare you for conversations you might have in your community.

Motivate

The next section will motivate you to get moving. This section shares lessons and tips from past climate change leaders to inspire and encourage you to take action.

Activate

The last section helps you to establish achievable goals and targets to get tangible results. This section also has tools and resources you can use to get the ball rolling in your community.

Anyone can become a leader when it comes to taking action on climate change. By taking steps to engage, empower and educate your community about climate change, you can lead your community in planting the foundation for a sustainable future.



CREATING CLIMATE-FRIENDLY COMMUNITIES

A guide for community leaders who want to take action on climate change!

This guide was compiled by
Climate Change Connection

Climate Change Connection aims to build awareness and to empower Manitobans to take action and reduce their greenhouse gas emissions — both individually and as a community. GHG emission reductions achieved by Manitobans will help Canada meet targets established by the Kyoto Protocol.

Climate Change Connection assists Manitobans who are making the changes necessary to live more sustainable and climate-friendly lifestyles. Working to reduce GHG emissions enables us to take responsibility for our part in a changing global climate.



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SECTION 1 — EDUCATE

GET FAMILIAR WITH THE FACTS ABOUT CLIMATE CHANGE

Climate change can be a difficult subject but you can be confident in your ability to work on it if you educate yourself in these five areas:

- Understand the fundamentals
- Think about climate change impacts
- Realize that there is hope for the future
- Be (somewhat) familiar with climate policy
- Know how to deal with deniers

Understand the fundamentals

As you dig into the subject of climate change it can get confusing. Keep in mind these basic points that are well understood:

There is overwhelming evidence and agreement throughout the scientific community that since the mid-1800s (i.e. after the beginning of the industrial revolution) and especially in the past 50 years, the planet's climate has been changing more rapidly than normal. The most compelling pieces of evidence are these:

- Instrument records of global average temperatures clearly show an increase of about three-quarters of a degree Celsius in the last 100 years.¹ (There has **not** been a corresponding change in solar irradiance in this period.)²
- Average minimum area of summer Arctic sea ice has declined by about 30% over the last 30 years.³
- Alpine glaciers are receding in almost every part of the world.⁴
- Many of the world's permafrost areas are thawing.⁵
- Greenhouse gases (GHG) warm the earth because they absorb infrared energy (light). The greenhouse effect has been well understood since the late 19th century. Without the greenhouse effect, the average temperature of the earth would likely be about -18°C instead of the current +15°C.⁶
- The amount of greenhouse gases in the atmosphere has been steadily increasing since the mid-1700s.⁷ There is no credible way to account for these increases other than through human activities. The cause of increasing levels of one of the important GHGs — carbon dioxide — is the burning of fossil fuels. According to ice core records, the level of atmospheric carbon dioxide in 2010 (389 ppm, or 389 parts per million) is higher than at any time in the past million years.

Remember these things above all:

- There is much more certainty about climate change fundamentals than some would have you believe.
- Many of the changes required to combat climate change are good ideas even if the climate weren't changing.

Here are some sources of information on the science of climate change:

- Visit the Climate Change Connection website: www.climatechangeconnection.org/science_tags.htm
- Download our “*Puzzled About Climate Change?*” brochure at www.climatechangeconnection.org/Resources/ClimateChangeConnectionpublications.htm#Puzzled
- Order printed copies of our “*Puzzled About Climate Change?*” brochure by calling us (204) 943-4836 or e-mail us at climate.connection@mts.net

¹ Intergovernmental Panel on Climate Change (IPCC) Working Group I: The Physical Science Basis, FAQ 3.1, *How are Temperatures on Earth Changing?* www.ipcc.ch/publications_and_data/ar4/wg1/en/faq-3-1.html

² National Center for Atmospheric Research (NCAR), et al www.ucar.edu/news/releases/2006/brightness.shtml

³ National Snow and Ice Data Centre www.nsidc.org/arcticseaiceneews/

⁴ World Glacier Monitoring Service www.geo.unizh.ch/wgms/mbb/mbb9/sum06.html

⁵ National Oceanic and Atmospheric Administration (NOAA) www.arctic.noaa.gov/essay_romanovsky.html

⁶ Intergovernmental Panel on Climate Change (IPCC) Working Group I: The Physical Science Basis, FAQ 1.1, *What Factors Determine Earth's Climate?* www.ipcc.ch/publications_and_data/ar4/wg1/en/faq-1-1.html

⁷ Intergovernmental Panel on Climate Change (IPCC) Working Group I: The Physical Science Basis, 2.3 Chemically and Radiatively Important Gases, www.ipcc.ch/publications_and_data/ar4/wg1/en/ch2s2-3.html#2-3-1

Think about climate change impacts

Many of the consequences of climate change are very likely to be severely negative, far-reaching, and increase with time. If we care about our children and future generations, we need to take serious action now.

In the world

Many of the negative consequences of climate change globally relate to water.

- Parts of the world may see increased flooding and drought resulting in food scarcity and water quality and availability issues.
- There may also be increases in disease and pest infestations.
- Climate change may eventually contribute to increased military conflicts over scarce resources.

In your community

Changes in climate will affect more than just communities dependent on agriculture, forestry, and fishing. Here are some of the ways a changing climate may affect virtually all communities:

- **Transportation** — Costs of fossil fuels are expected to increase. This may be a result of something like a carbon tax, but fuel costs will almost certainly rise over time as cheaply available sources run out. This will necessitate some adaptation:
 - Local self-sufficiency may increase (e.g. more local food, supplies, and services). This may encourage local businesses to build connections and co-operate to meet local community needs as opposed to competing with each other.
 - Commuter communities may need to adapt (e.g. connecting to work remotely via the internet, finding local employment in a growing local food, supply, and service business)
- **Infrastructure** — Local infrastructure may be stressed or may need to adapt in a number of ways. Here are some possibilities:
 - **Water supply** — Increased frequency of droughts (especially late-season) may require that we encourage conservation and retain more early-season moisture in reservoirs.
 - **Sewer systems** — Due to the anticipated increase in frequency of severe rainfall events, storm drainage capacity may be challenged and may need to be upgraded.
 - **Buildings** — Municipal, residential, and private buildings may require more insulation and weather-proofing (to reduce energy costs) and may benefit from conversion to new heat sources such as geo-thermal district heating.

“While there is a cost to implementing climate protection activities, there is also a cost of inaction.” In their report *The Business Case for Cutting Greenhouse Gas Emissions from Municipal Operations*, the Federation of Canadian Municipalities (FCM) dispels the myth that being environmentally and socially responsible is more expensive than doing nothing.

www.sustainablecommunities.fcm.ca/partners-for-climate-protection/



Resources about climate change impacts on communities

How will climate change affect your community over time? The resources below highlight changes for Manitoba and Canada.

Resource title	Web address and what it covers
How will Climate Change Affect Manitoba?	www.gov.mb.ca/conservation/climate/climate_effect.html An overview of climate change impacts expected for Manitoba. The site also provides links to resources on key climate change information, and information on Manitoba's involvement and actions on climate change.
Adaptability of Prairie Cities: The Role of Climate: Current and Future Impacts and Adaptation Strategies Prairie Rural Communities and Issues of Climate Change	www.parc.ca/research_pub_communities.htm Two documents that highlight some of the potential impacts of climate change on communities in Canada and their role in addressing this issue are available on the Prairie Adaptation Research Collaborative (PARC) website.
From Impacts to Adaptation: Canada in a Changing Climate 2007	http://adaptation.nrcan.gc.ca/assess/2007/index_e.php Analysis sponsored by Natural Resources Canada into the advances made during the past decade in understanding Canada's vulnerability to climate change. See Chapter 7: Prairies
Adapting to Climate Change: An Introduction for Canadian Municipalities	www.c-ciarn.ca/adapting_e.html A tool developed by Canadian Climate Impacts and Adaptation Research Network (C-CIARN) to help municipalities and communities make better-informed decisions about climate change adaptation and contribute to the integration of long-term adaptation planning and implementation in municipal decision-making.
Climate Change and Health Research Network	www.hc-sc.gc.ca/ewh-semt/pubs/climat/index-eng.php A research network established by Health Canada to investigate impacts of climate change on community health and well-being. This page of reports and publications contains a wide spread of information on how climate change will impact both our health system and communities.
Municipalities	http://communities.pembina.org/partners/municipalities The Pembina Institute focuses on sustainable energy production and consumption. The municipalities section of their website identifies some key problems municipalities face when dealing with climate change, and highlights several areas and services that municipalities can restructure in order to adapt and mitigate these impacts.



Be (somewhat) familiar with climate policy

Policies and targets being made at the government level will affect you as an individual, and may affect some of the projects you may be doing in your community.

Below is a listing of where to get information on policies and commitments at each level of government:

Resource	Web address and what it covers
Government of Canada: Climate Change	www.climatechange.gc.ca The Canadian government’s climate change action plan.
Government of Canada: ecoACTION	www.ecoaction.gc.ca/ The Canadian federal government’s actions on climate change.
International: International Institute for Sustainable Development (IISD) — Climate Change	www.iisd.org/climate Detailed analysis and progressive policy solutions for individuals, companies, and governments in North America and the rest of the world.
International: United Nations Framework Convention on Climate Change (UNFCCC)	www.unfccc.int The Kyoto Protocol is an international agreement adopted in 1997 that came into force in 2005. It legally bound 37 countries to reduce their greenhouse gas emissions to approximately five percent below 1990 levels by 2012. That agreement expires in 2012. The UNFCCC is hosting the world’s efforts to develop the agreement that will succeed it.
Manitoba: Beyond Kyoto	www.gov.mb.ca/beyond_kyoto/ Manitoba’s target is consistent with Canada’s Kyoto Protocol commitment — six percent below 1990 levels by 2012.

Realize that we are working toward a better future

Deal with denial

There are many reasons why some people say they do not believe there is a climate crisis or refuse to accept that humans are the cause:

- Some people just do not want to hear bad news
- Some are misinformed
- Some do not want to be told they need to make changes in their lifestyle
- And some have a stake in one or more of the industries that believe they will benefit from “business as usual.”

The danger of denial is that it prevents or delays us from making the important changes we need to make to address climate change. The clock is ticking; we have a limited time before a warming planet will trigger positive feedback loops that will bring about even greater levels of warming that will be exceptionally difficult to control, let alone reverse.

There is no option for “business as usual” in the future. The days of abundant fossil fuel that is cheap to find and bring to market are coming to an end. Any way you look at it, in order to have sufficient energy in the future, we need to reduce our demand and we need to find new sources of energy. We can either spend more and more on the old fossil fuels or start to invest in new energy sources that are sustainable.

Tip!

Taking action to reduce greenhouse gases often results in cost savings related to energy conservation. By calculating the cost savings related to climate change projects you may be able to convince people who aren’t persuaded by the environmental issues.

The changes we need to make are positive

Many of the changes required to combat climate change are just good ideas anyway. If we are successful and if we make the personal, community, and international changes required to combat climate change, we can make our world a safer, healthier place for future generations.

These positive changes include:

- Increasing energy efficiency
- Reducing waste
- Supporting local business
- Developing local capacity to provide for ourselves
- Growing more of our own food
- Growing more food organically
- Preserving and increasing natural habitats and green space
- Getting connected and working together rather than importing solutions
- Moving away from material consumption as the way to feel satisfied with our lives

Now don't those sound like good ideas? Isn't that the kind of world you want for your children anyway?

The following resources will help you understand and deal with climate change misinformation and denial:

Municipal governments and communities can reduce emissions through:

- Land-use, energy and transportation planning
- Infrastructure design
- Green procurement
- Building retrofits
- Water conservation
- Solid waste diversion
- Renewable energy

Resource title	Web address and what it covers
How to talk to a Climate Skeptic: Responses to the Most Common Skeptic Arguments on Global Warming	www.grist.org/article/series/skeptics/ A complete listing of responses to the most common skeptical arguments on global warming. The arguments are divided into categories: Stages of Denial, Scientific Topics, Types of Argument, and Levels of Sophistication.
The Skeptics	www.davidsuzuki.org/issues/climate-change/science/climate-change-basics/climate-change-deniers/ This is an overview from the David Suzuki Foundation on the well-organized and well-funded denial industry.
RealClimate "Responses to common contrarian arguments"	www.realclimate.org/index.php/archives/2004/12/index/ A site by working climate scientists to provide scientific context on climate change topics.
Clearing the PR Pollution that Clouds Climate Science	www.desmogblog.com/ The DeSmog Blog is a daily updated source for information regarding global warming misinformation campaigns.



SECTION 2 — MOTIVATE

Could you be a community climate change leader?

Do you see yourself as a community leader? A community leader can be anyone who wants to take action or play an integral role in the well-being and improvement of their communities. You do not have to be selected nor do you require a specific background to be a community leader. Are you . . . the mayor, a business owner, a farmer, an educator, a student, a parent, a volunteer? No matter what your function or role is, to be a community leader you simply have to be someone who wants to take some responsibility and a position of leadership in order to engage and drive change within your community.

You do not have to be a climate change expert to make your community climate-friendly.

Individual Canadians create about five tonnes of greenhouse gas emissions per person every year. When it comes to climate change you can be a leader by committing to reduce personal greenhouse gas emissions or by leading a climate change project in your community. No matter what your leadership style, reference materials and resources exist to help you become a climate change leader.

“We have never been in the position where humans, and humans alone, can determine the future of all species. Everyone has skills, experience, and expertise to offer on the journey toward sustainability. Now is the time to share them.” — *Kitchen Table Sustainability (2009)* Wendy Sarkissian et al.

Valuable leadership qualities

Although anyone with a passion to make a difference can be an excellent community climate change leader, it can be advantageous if you have or gain some of the following skills:

- Interest and knowledge of climate change science and issues
- Project management and coordination experience
- Organizational skills
- Ability to enlist the support of others
- Strong interpersonal skills
- Comfort with public speaking
- Highly motivated self-starter

According to the Federation of Canadian Municipalities, up to half of Canada’s greenhouse gas emissions (747 megatonnes) can be attributed directly or indirectly to municipalities. These emissions can be cut significantly by innovations to municipal operations and community initiatives.

There is a strong relationship between community engagement and sustainability. The aim is to empower individuals to come together as a community — to envision their goals, make strategies and decisions on how to take action for a more sustainable world. Sustainability is not only an important focus of community engagement; it is also essential for the transition to local and global sustainability. Communities are the hands and heart of the sustainability movement. Engagement helps communities articulate, develop, and achieve their goals.

Quote adapted from Kitchen Table Sustainability (2009), Wendy Sarkissian et al



Lessons from past climate change leaders

Have a dedicated staff person if possible

A climate change leader may be a designated staff person. Having a full-time employee committed to the success of climate change projects in the community can be critical to ensuring this issue remains a high priority.

Hiring a local climate change coordinator is not always necessary or feasible for your community. A dedicated volunteer or committee can be just as effective in helping your community succeed with its climate-friendly projects.

Ensure community and administrative support

Whether the person championing your climate change projects is a staff person, a volunteer, or a superhero, they will need support from the community.

There are at least four key factors for a successful project or program:

- **A champion for the program** — either an influential politician or a senior member of the administration with a personal commitment to the issue;
- A **culture** that encourages, or at least permits, innovation;
- **Genuine buy-in** from senior levels of the administration; and
- Support generated for the program from the **key groups and individuals** who will be affected by the program.

Take action-oriented steps

If you want to challenge your community to take action on climate change, follow these tips:

- Pass a council resolution to commit to climate change action planning and long-term sustainability.
- Find a champion or leader committed to climate change action.
- Establish a volunteer committee made up of members of council, residents, students, city/town employees, local businesses, and organizations.
- Appoint a spokesperson to town/brand/city council that can bring climate change issues to the council.
- Partner with local community groups to get the message out and to participate in a community challenge.



Meet Captain Planet! The Morden/Winkler Fire Department made David Thurgar, the community's local Climate Change Community Challenge/One-Tonne Challenge Coordinator, into a hero! They made him a superhero suit and David revealed his identity as Captain Planet at the community parade.

Using a sense of humour to let people know that climate change is not all doom and gloom can be an important part of demonstrating all of the benefits a community can experience when they are climate-friendly.

SECTION 3 — ACTIVATE

Get started: Form a steering committee

Approach local stakeholders

When embarking on your journey to bring about climate-friendly changes that will affect and involve the community at large, it is important to both consult with and have direction from stakeholders that will be involved.⁸ Stakeholders are anyone who effects or can be affected by the change or circumstance. Some stakeholders in your community might include:

- Local business owners
- Parents
- Youth
- Elected officials
- Educational institutions
- Faith-based organizations
- Local industry
- Local community groups
- Etc.

By approaching local stakeholders to be a part of your steering committee, you are ensuring a collaborative decision-making process that includes a variety of perspectives and values. You also gain a team of individuals who will assist you with setting and achieving goals.

Note: In order to have a link between yourself and your municipal council, it is a good idea to invite an elected official to be a member of your committee.

Discuss your first steps and approach together

Once your committee is formed, you can bring them together to take some of the following first steps together:

- Identify the community vision, mission, goals, and objectives.
- Identify community priorities and needs.
- Create a local action plan.
- Assess the available resources and potential partners (human and financial).
- Prepare a list of short, medium, and long-term actions.
- Develop a draft implementation plan for the determined actions.
- Monitor and evaluate the existing projects over time and review your overall plan.

⁸ Read more about starting up a local steering committee from the Federation of Canadian Municipalities (FCM):
http://gmf.fcm.ca/capacity_building/sustainable_community_planning/default.asp



Get people: Engage your community

This is just a sample of the many great resources available to help you engage residents in sustainability issues:

Resource title	Web address and what it covers
Sharing the Challenge: A guide for community-based environmental planning	<p>www.atl.ec.gc.ca/community/resources.html</p> <p>Environment Canada's Atlantic Coastal Action Program has developed a number of resources for sustainable community initiatives. The document "Sharing the Challenge: A guide for community-based environmental planning" is a comprehensive guide to developing a community environmental plan. This guide includes a step by step approach to involving stakeholders, developing a vision, evaluating environmental issues in your community, determining actions, and putting the plan down on paper.</p>
Citizen Participation and Community Engagement in the Local Action Process: A Guide for Municipalities	<p>www.nbhub.org/hubfiles/pdf/resources/final_CP_eng_layout_2003.pdf</p> <p>This document from the Partners for Climate Protection will guide you through the stakeholder engagement process. This is a critical step in stimulating community ownership at the planning stage of your project and throughout the implementation.</p>
The Natural Step — Sustainable Communities Program	<p>www.thenaturalstep.org/en/services-communities</p> <p>A number of resources developed for the Community-wide Engagement Process program. The purpose is to use the shared Natural Step framework to bring diverse stakeholders together to create a common understanding of what sustainability means to the community and to develop a strategic plan to help the community move towards its goals.</p>
Kitchen Table Sustainability — Practical Recipes for Community Engagement with Sustainability	<p>www.mcnallyrobinson.com/product/isbn/9781844076147/bkm/true/</p> <p>This book proposes a bottom-up approach to community engagement and participation. The book also contains wisdom from those working in the field on a variety of subjects including: community planning, engagement and sustainability practices.</p>



Get moving: Actions your community can take today

Here are some actions your community can take today:

- Contact Climate Change Connection (www.climatechangeconnection.org) to find out how your community can develop an awareness strategy. Visit the CCC website to read about current events and activities occurring in communities across Manitoba.
- Join Green Communities Canada (www.gca.ca). They are a national network of community-based non-profit organizations that deliver innovative environmental programs and services, with a focus on household and community action.
- Spread the word about your climate change plans by working with your local paper to run articles about climate change issues in your community.
- Contact Climate Change Connection for your **free** Idle-Free Zone traffic signs.⁹ The signs are 30 cm x 45 cm, made of reflective, traffic-grade aluminum with rounded corners for safety and two holes for easy installation. The signs are free but you would need to provide bolt sets and labour.
- Visit the following websites to learn how you can make changes to your regular routine and start to live more sustainably.

Resource title	Web address and what it covers
Living Green, Living Well	http://www.livinggreenlivingwell.ca Information and practical guidance to sustainable living in Manitoba (created and maintained by Resource Conservation Manitoba).
David Suzuki Foundation's "What you can do" website	http://www.davidsuzuki.org/issues/climate-change/take-action/ Learn about actions you can take at home, work, and in the community to lower your impact.
Federation of Canadian Municipalities (FCM) Quick Action Guide	http://gmf.fcm.ca/files/Capacity_Building_-_PCP/pcp-quick-action-guide-En.pdf Descriptions of 20 corporate and community actions that you can take to make your community more climate-friendly. This guide also provides resources, case studies, and contact information for community leaders who have taken these actions.
Climate Change Connection	www.climatechangeconnection.org/Solutions/documents/GHGmenu.pdf Choose from over 50 actions local governments can take to reduce GHG emissions or conserve energy

⁹ To learn more about the issues surrounding idling, visit the idling section of the Climate Change Connection website:
www.climatechangeconnection.org/Solutions/Idling.htm



Get connected: Join up with other groups

Partners for Climate Protection (PCP)

The Partners for Climate Protection (PCP) program is a network of municipalities across Canada that have made a commitment to take action on climate change by reducing greenhouse gases in their municipal operations and their community.¹⁰

PCP takes the guesswork out of creating a climate change plan and makes it easy to turn your community into one that is climate-friendly. By joining the Partners for Climate Protection program you join hundreds of other communities who are taking advantage of this existing framework and resources (including funding resources available through the Green Municipal Fund).

These Manitoba communities are already following the PCP framework:

- Brandon
- Dauphin
- De Salaberry (RM)
- Morden
- Notre Dame de Lourdes (Village)
- Stanley (RM)
- St. Laurent (RM)
- St. Pierre Jolys (Village)
- Swan River
- Taché (RM)
- Thompson (City)
- Thompson (RM)
- The Pas
- Virden
- Winkler
- Winnipeg

Use the five milestone framework

PCP is based on a **five milestone framework** to guide municipalities to reduce greenhouse gas emissions. The five milestone process is a flexible performance-based model; milestones do not need to be completed in sequential order. Each milestone provides an opportunity for municipal capacity-building.

The five milestones are:

1. Create a greenhouse gas emissions inventory and forecast
2. Set an emissions reductions target
3. Develop a local action plan
4. Implement the local action plan or a set of activities
5. Monitor progress and reporting results

Municipal governments across Canada have an extremely important role to play in acting on climate change as up to half of Canada's greenhouse gas emissions are under the direct or indirect control of municipal governments.

Climate Change Connection — Partner Network

Climate Change Connection has created an online database of companies, groups, and organizations that are active in climate change throughout Manitoba. The partner network is organized by sections such as agriculture, transportation, youth, and environmental.

The network also identifies educators, funders, implementers, and researchers.

www.climatechangeconnection.org/Partners/

¹⁰ To learn more or sign up for the Partners for Climate Protection, visit their website at: <http://gmf.fm.ca/Partners-for-Climate-Protection/>

Make use of existing resources

The following table identifies several useful guides for community leaders working to get their communities more engaged in taking action when it comes to climate change.

In addition, you can contact Climate Change Connection to learn about available presentations and boot camps offered year-round.

Resource title	Web address and what it covers
Community Engagement / Facilitation Guide	<p>www.climatechangeconnection.org/Resources/ClimateChangeConnectionpublications.htm</p> <p>The Community Engagement / Facilitation Guide was created to help Community Climate Change Coordinators organize public engagement and community consultation events that contribute to development of local community greenhouse gas (GHG) emissions reduction action plans. The guide contains information for planning events, including considerations before planning your events, various activities, checklists, and follow-up information.</p>
Manitoba Climate Change Funding Guide	<p>www.climatechangeconnection.org/Resources/ClimateChangeConnectionpublications.htm</p> <p>The guide is designed to facilitate finding support for community projects that enhance sustainability and reduce greenhouse gas emissions. Over 50 funding programs are included. A brief, one-page information summary on each program is provided. The description offers a general overview of each source of funding, eligibility, funding provided, deadlines, and contact information. This guide is updated annually.</p>
Manitoba Community Case Studies	<p>www.climatechangeconnection.org/Resources/ClimateChangeConnectionpublications.htm</p> <p>Learn about projects or initiatives that other communities in Manitoba have implemented to reduce their greenhouse gas emissions. Climate Change Connection is assembling a Community Case Studies document to put communities in touch with local success stories and examples.</p>
Developing Inventories for Greenhouse Gas Emissions and Energy Consumption	<p>www.sustainablecommunities.fcm.ca/files/Capacity_Building_-_PCP/PCP_Resources/PCPGuidetoLocalActionPlanning-e.pdf</p> <p>The Partners for Climate Protection (PCP) guidebook is designed to help meet the first milestone of the PCP program — developing a GHG emissions inventory. The guidebook is useful for those involved in PCP but also for any community or local government trying to do a GHG inventory.</p>
Calculators	<p>www.greenregistry.org/residents_measureyouremissions_calculators.cfm</p> <p>These GHG calculators are adapted for use in Manitoba, and are helpful for communities to calculate household and community building emissions levels.</p>
Greenhouse Gas Protocol Initiative	<p>www.ghgprotocol.org/calculation-tools/all-tools</p> <p>This website contains GHG emissions calculators, spreadsheets, and other resources to calculate emissions from a variety of sources. In addition to a greenhouse gas inventory you may also want to conduct a community survey to gauge the current level of climate change awareness and action among residents.</p>
Power Smart Programs	<p>www.italladdsup.ca</p> <p>Manitoba Hydro's website provides info on calculating your household energy usage and how much you could save using their Power Smart Programs.</p>



CREATING CLIMATE CHANGE ACTION PLANS

The following table provides links to templates and guides that will help you create a climate change action plan for your community:

Resource title	Web address and what it covers
Six Steps to a Sustainable Community: A Guide to Local Action Planning	www.sustainablecommunities.fcm.ca/files/Capacity_Building_-_PCP/PCP_Resources/PCPGuidetoLocalActionPlanning-e.pdf Federation of Canadian Municipalities (FCM) guide covers development of a community-wide local action plan (i.e. milestone three in the PCP program).
Community Energy Planning Methodology	www.canmetenergy-canmetenergie.nrcan-rncan.gc.ca/eng/buildings_communities/communities/publications/2008_sbc_05.html Natural Resources Canada's step-by-step procedure for developing a long-term energy plan for your community, who to involve, what to do, what to ask and what to expect.
Model Climate Change Action Plan	www.sustainablecommunities.fcm.ca/files/Capacity_Building_-_PCP/model-climate-change-action-plan-En.pdf FCM's template for completing a greenhouse gas reduction plan in the Partners for Climate Protection program.
Becoming a Sustainable Community: EarthCare Sudbury Local Action Plan (2003)	www.greatersudbury.ca/earthcare EarthCare Sudbury's documents outlining planning process used to develop their local action plan.
Community and Corporate Energy and Greenhouse Gas Management Plan (2007)	www.saskatoon.ca/DEPARTMENTS/Utility%20Services/Environmental%20Services/climatechange/Pages/EnergyandGreenhouseGasManagementPlan.aspx Saskatoon's local action plan.
Community Climate Change Action Plan (2005)	www.vancouver.ca/sustainability/documents/CommunityClimateChangeActionPlan2005coverandreport.pdf Vancouver's community local action plan.
Corporate Climate Change Action Plan (2003)	www.vancouver.ca/sustainability/documents/corp_climatechangeAP-1.pdf Vancouver's corporate climate change action plan.
Community-Based Social Marketing (CBSM) — Fostering Sustainable Behaviour	www.cbsm.com This site has the following resources: <ul style="list-style-type: none"> • An online guide on how to use community-based social marketing to design and evaluate programs to foster sustainable behaviour. • Searchable databases of articles. • Downloadable reports, graphics, and case studies on fostering sustainable behaviour. • A listserv for sharing information and asking questions of others.
Government of Canada — Tools of Change	www.toolsofchange.com Tools of Change is founded on the principles of community-based social marketing and is a showcase of proven methods for promoting health, safety and environmental citizenship. This website has compiled a vast list of resources and case studies to help you create successful community programs. In addition, you can create a user account that allows you to create a community-based social marketing plan online. The program walks you through all of the steps from setting objectives to measuring achievements. You can save and print your work so that you can further refine your answers and develop a written report.
FCM Sustainable Community Awards	www.sustainablecommunities.fcm.ca/fcm-ch2m-awards/ This national awards program recognizes projects that demonstrate environmental responsibility and excellence. Information about how to apply and descriptions of winning submissions from previous years are available on the FCM website.
Spirit of the Earth Awards Program	www.hydro.mb.ca/environment/programs/spirit_of_the_earth/index.shtml Manitoba Hydro continues to foster environmental awareness and recognizes the significance of Aboriginal people and their culture to the Province of Manitoba. Spirit of the Earth Awards will publicly recognize, on an annual basis, positive environmental achievements made by Aboriginal people or that directly involve Aboriginal people.



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