

# Introduction to the PCP Program

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# Overview

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# Who are all these organizations anyway?



# Ontario Regional Climate Advisor Team



Kevin Behan

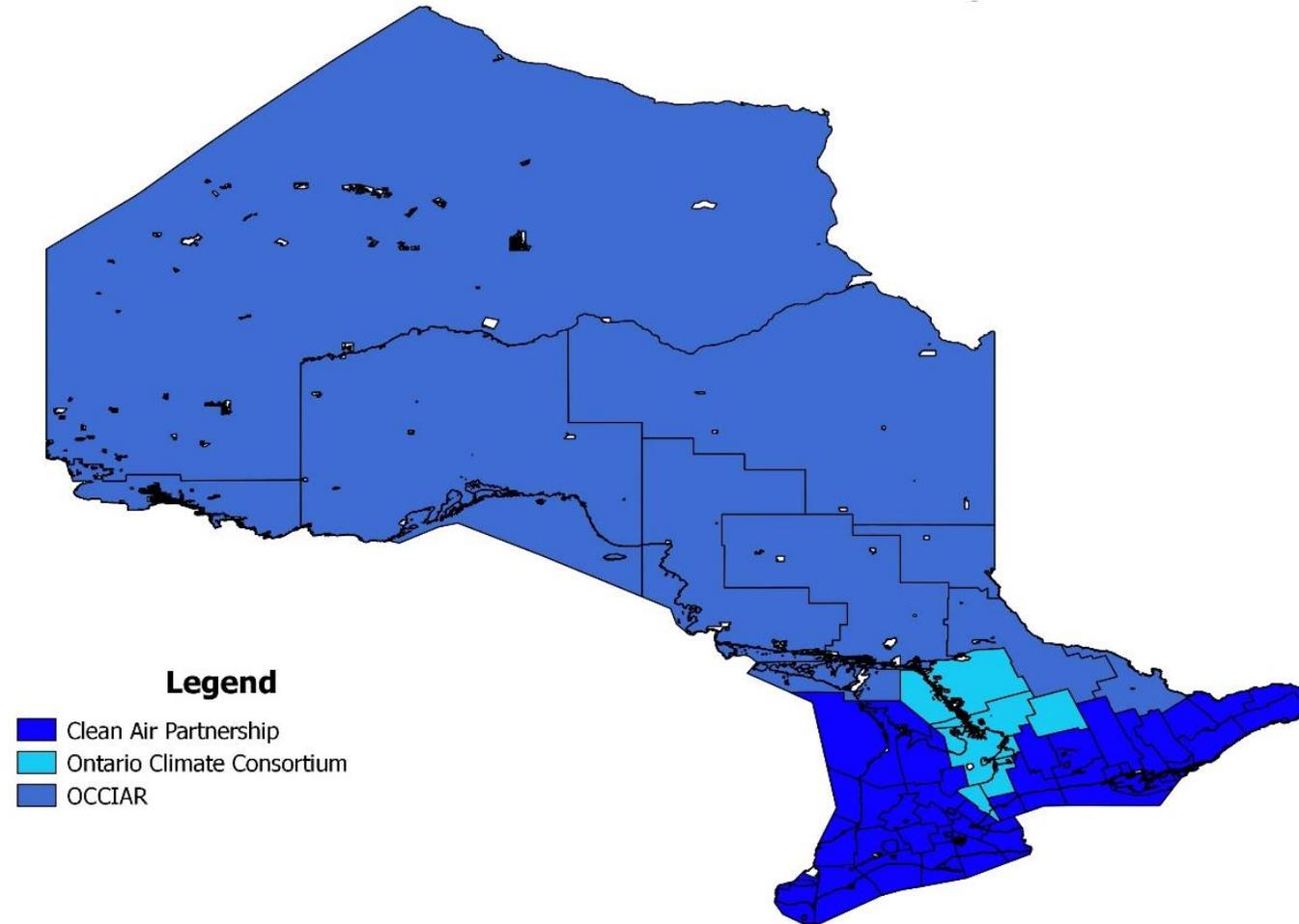


Paul Cobb



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# Regional Climate Advisors



# PCP Overview

# What is PCP?

- PCP is a network of >300 municipal governments that have committed to reducing GHGs and acting on climate change.
- PCP is a partnership between the FCM and ICLEI – Local Governments for Sustainability.
- It is the Canadian component of ICLEI's Cities for Climate Protection (CCP) network.
- Operating in Canada since 1994

# Who else is doing it?



# Why reduce greenhouse gas emissions?

- Cost savings
- Job creation and local economic development
- Reduced traffic congestion
- Improved air quality
- Livable communities

# How does it work? – Milestone framework

- Milestone Zero: Council resolution to join PCP
- Milestone One: Create a GHG emissions inventory and forecast
- Milestone Two: Set an emissions reductions target
- Milestone Three: Develop a local action plan
- Milestone Four: Implement the local action plan or a set of activities
- Milestone Five: Monitor progress and report results

# Milestone Zero: Resolution to join PCP

**Council Resolution to  
Join the FCM-ICLEI (Local Governments for Sustainability)  
Partners for Climate Protection Program**

**WHEREAS** it is well established that climate change is increasing the frequency of extreme weather events and posing other risks, such as drought, forest fires and rising sea levels, which present serious threats to our natural environment, our health, our jobs and our economy;

**WHEREAS** the 2016 Paris Agreement, signed by more than 190 countries, including Canada, committed to limit the global temperature increase to below two degrees Celsius and to pursue efforts to limit this increase to 1.5 degrees Celsius, in order to avoid the most severe climate change impacts;

**WHEREAS** local governments are essential to the successful implementation of the Paris Agreement;

**WHEREAS** Canada's cities and communities influence approximately 50 per cent of national greenhouse gas (GHG) emissions and can drive systemic low-carbon practices, including: building high-efficiency buildings, undertaking building retrofits and developing district heating; building active transit, electric vehicle infrastructure and electrified public transit; implementing near-zero GHG waste plans; and delivering high-efficiency water and wastewater services;

**WHEREAS** investments in these types of measures also reduce operating costs, help municipalities maintain and plan for future community services, protect public health, support sustainable community development, increase community resilience and reduce a community's vulnerability to environmental, economic and social stresses;

**WHEREAS** a number of government and international and national organizations have called for greater cooperation among all stakeholders to meet reduction targets, including Canada's Big City Mayors' Caucus, which supports binding GHG emission reduction targets at the international, national and city levels, action plans that cut emissions, identification of risks and mitigation solutions, and regular municipal GHG emissions reporting;

**WHEREAS** the Federation of Canadian Municipalities (FCM) and ICLEI-Local Governments for Sustainability have established the Partners for Climate Protection (PCP) program to provide a forum for municipal governments to share their knowledge and experience with other municipal governments on how to reduce GHG emissions;

**WHEREAS** over 300 municipal governments across Canada representing more than 65 per cent of the population have already committed to reducing corporate and community GHG emissions through the PCP program since its inception in 1994;

**WHEREAS** PCP members commit to adopt a community GHG reduction target of 30 per cent below 2005 levels by 2030, in line with the Government of Canada's target, and to adopt a corporate GHG reduction target that is similar or more ambitious, and to consider adopting a deeper community and corporate emissions reduction target of 80 per cent by 2050;

**WHEREAS** the PCP program is based on a five-milestone framework that involves completing a GHG inventory and forecast, setting a GHG reduction target, developing a local action plan, implementing the plan, and monitoring progress and reporting results;



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FÉDÉRATION CANADIENNE DES MUNICIPALITÉS



**WHEREAS** PCP members commit to carry out the five-milestone framework within 10 years of joining the program and to report on progress at least once every two years;

**WHEREAS** PCP members accept they can be suspended from the program — subject to prior notice in writing by the PCP Secretariat — in the event of non-submission of progress reports within the established deadlines;

**BE IT RESOLVED** that the municipality of \_\_\_\_\_ endorse the Government of Canada's commitment to the Paris Agreement to limit global temperature increase to below two degrees Celsius and to pursue efforts to limit the global temperature increase to 1.5 degrees Celsius; and

**BE IT RESOLVED** that the municipality of \_\_\_\_\_ review the guidelines on [PCP member benefits and responsibilities](#) and then communicate to FCM its participation in the PCP program and its commitment to achieving the milestones set out in the PCP five-milestone framework;

**BE IT FURTHER RESOLVED** that the municipality of \_\_\_\_\_ appoint the following:

a) Corporate staff person (Name) \_\_\_\_\_  
(Contact number) \_\_\_\_\_  
(Email address) \_\_\_\_\_

b) Elected official (Name) \_\_\_\_\_  
(Contact number) \_\_\_\_\_  
(Email address) \_\_\_\_\_

to oversee implementation of the PCP milestones and be the points of contact for the PCP program within the municipality.

\_\_\_\_\_ Signature  
\_\_\_\_\_ Date



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# Milestone One: Inventory and forecast

- Quantifies energy consumed and solid waste generated
- Community inventory: institutional, commercial, industrial (ICI), transportation, and residential waste sectors.
- Corporate inventory: municipal government facilities and operations, including buildings, street lighting, water and wastewater treatment, the municipal fleet, and corporate solid waste.
- Future emissions based on assumptions about population, economic growth and the types of fuels consumed.

# Milestone Two: Emissions reductions target

- PCP recommends 20% GHG below baseline (corporate) and 6% below baseline (community) within 10 years.

Corporate		Community	
<b>Bridgewater, NS</b>	15% below 2007 by 2017	<b>Edmonton, AB</b>	35% below 2005 by 2035***
<b>Halton Hills, ON</b>	20% below 2011 by 2031	<b>Kelowna, BC</b>	33% below 2007 by 2020
<b>Quebec City, QC</b>	10% below 1990 by 2020*	<b>Sackville, NB</b>	10% below 2011 by 2021
<b>Ritchot, MB</b>	15% below 2011 by 2025	<b>Thunder Bay, ON</b>	10% below 2005 by 2017
<b>Saskatoon, SK</b>	30% below 2006 by 2020**	<b>Whitehorse, YT</b>	6% below 2014 by 2030****

# Milestone Three: Develop a local action plan

Whether municipal or community-wide, LAP generally includes:

- a summary of baseline emissions forecasts and targets;
- a set of existing and proposed emissions reduction actions;
- implementation strategies, including the resources involved; and
- input from stakeholders.

# Milestone Four: Plan implementation

## Key considerations:

- Which measures can be incorporated into existing projects/expenditures?
- Which measures will require new expenditures?
- What are the lifecycle costs and payback period?
- What savings or co-benefits will result from these measures?
- Is funding available in the current municipal budget?
- What alternative funding sources exist?

# GHG Reduction Action Examples

## IN THE CORPORATE SECTOR:

- 1** Retrofit buildings and adopt green building standards for new buildings and sites.
- 2** Change traffic lights to energy-saving light-emitting diodes (LEDs).
- 3** Replace streetlights with more efficient bulbs.
- 4** Start a water conservation program.
- 5** Plant trees to improve air quality.
- 6** Start an anti-idling program for municipal vehicles.
- 7** Create staff incentives for carpooling and the use of public transit.
- 8** Promote green fleet management practices such as 'right sizing', low carbon fuels, and hybrid/electric vehicles.
- 9** Purchase renewable energy or develop local sources for generation (such as wind, solar or district energy).
- 10** Implement comprehensive landfill gas recovery systems at municipal landfill sites.

## IN THE COMMUNITY SECTOR:

- 1** Start a community-wide composting program.
- 2** Sell rain barrels at a reduced cost and launch an awareness program on water conservation.
- 3** Use financial incentives to help residents reduce waste.
- 4** Promote energy efficiency in the industrial sector.
- 5** Create incentives for using public transit.
- 6** Use bylaws and development approval incentives to increase building standards and land use mix.
- 7** Support and encourage energy efficiency initiatives in the residential and private sectors.
- 8** Develop and maintain infrastructure friendly to pedestrians and bicycles.
- 9** Initiate commuter challenges to reduce vehicle use.
- 10** Support community garden initiatives or urban agriculture using surplus land or by developing green roofs.

# Milestone Five: Monitor progress, report results

Are reduction measures are producing the anticipated results?

Will your emissions reduction target will be met?

Evaluate and adjust activities as needed

# What support is available?

- PCP Hub
- PCP milestone tool
- Enrollment support
- Peer learning
- Funding support
- Technical support
- Provincial alignment support
- RFP development support

# What are the program costs v benefits?

## Benefits

- National and regional recognition
- Fulfillment of municipal goals
- Access to a range of supports

## Costs

- Zero direct cost of participation
- Costs can be incurred if RFPs issued for specific milestones

# Funding

# FCM Municipalities for Climate Innovation Program (MCIP)

- [Plans and studies grants](#) - Grants of up to \$175,000 to develop plans and studies to reduce GHG emissions and help your community adapt to impacts of climate change, such as extreme temperatures, flooding and drought. Apply by January 2020.
- [Capital project grants](#) - Grant funding for municipalities to implement climate change initiatives. Funding is available for up to 80 per cent of costs of up to \$1 million. Apply by January 2020.
- Climate change staff grants - Grant funding to supplement salaries for new or existing municipal staff to implement climate change programs and projects (available in 2018).
- [Climate and Asset Management Network](#) - A professional network that provides training and grant funding to enable municipalities to integrate climate change considerations into infrastructure decisions. The 2017 call for applications is now closed. A second call will be issued in 2018.
- Transition 2050 - A combination of training and grant funding for a collaborative network of municipalities committed to reducing GHG emissions by 80 per cent by 2050 (available 2018).

# FCM Green Municipal Funds (GMF)

- Sustainable neighbourhood and brownfields action plans
- Energy efficiency and recovery
- Transportation and fuel efficiency
- Water quality and conservation
- Waste management and diversion
- Brownfields

# Provincial Government

- [Clean Water and Wastewater Fund \(CWWF\)](#)
- [Ontario Gas Tax Funds](#)
- [Infrastructure Ontario Loans](#)
- [Ontario's Municipal Energy Plan Program \(MEP\)](#)
- [The Continuous Improvement Fund \(CIF\)](#)
- [Ontario Municipal Cycling Infrastructure Program](#)
- [Municipal GHG Challenge Fund](#)
- [Electric Vehicle Charging Incentive Program](#)
- [IESO Energy Partnerships Program](#)

# Roundtable

# Questions?

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# Upcoming Webinars

**Developing Climate Action Plans, January 10<sup>th</sup>, 2018, 2pm**

[Register here](#)

**Implementing Climate Action Plans, February 14<sup>th</sup>, 2018, 2pm**

[Register here](#)

**LICs for Energy Efficiency Improvements, March 7<sup>th</sup>, 2018, 2pm**

[Register here](#)