

ADOPTED by Council at its meeting held January 23, 2012 [M31-2012]  
/AA  
Windsor, Ontario January 23, 2012

**REPORT NO. 37 of the  
ENVIRONMENT & TRANSPORTATION STANDING COMMITTEE  
of its meeting held November 23, 2011**

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**Present:** Councillor Hatfield, Chair  
Councillor Payne  
Councillor Sleiman  
Councillor Halberstadt  
Councillor Valentinis

That the following recommendations of the Environment and Transportation Standing Committee **BE APPROVED:**

Moved by Councillor Halberstadt, seconded by Councillor Sleiman,  
That City Council **APPROVE** the continued participation in the South-western Ontario Clean Air Council; and further,

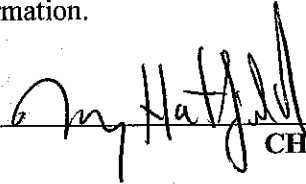
That Council **EXPLORE** strategies that would engage the Federal and Provincial Governments to lobby or engage our United States counterparts; and

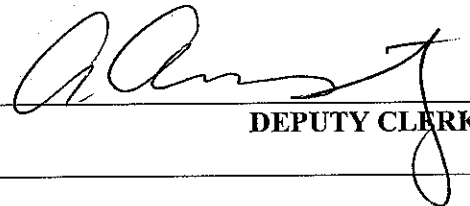
That the Council **PURSUE** updated information as outlined by the Ontario Medical Association "Illness Costs of Air Pollution" from 2005.

Carried.

**Livelinek 15576, EI2011**

Clerk's Note: The report entitled "South-Western Ontario Clean Air Council" dated October 24, 2011 is attached as background information.

  
CHAIRPERSON

  
DEPUTY CLERK

<b>NOTIFICATION:</b>				
Name	Address	Email Address	Telephone	FAX

**THE CORPORATION OF THE CITY OF WINDSOR**  
**Environment & Transportation Standing Committee - Administrative Report**

**MISSION STATEMENT:**

*"The City of Windsor, with the involvement of its citizens, will deliver effective and responsive municipal services, and will mobilize innovative community partnerships"*

<b>LiveLink REPORT #:</b> 15576 EI2011	<b>Report Date:</b> October 24, 2011 (#3194(jc)-10/26/11:ebr)
<b>Author's Name:</b> Karina Richters	<b>Date to Standing Committee:</b> November 23, 2011
<b>Author's Phone:</b> 519 253-7111 ext. 226	<b>Classification #:</b>
<b>Author's E-mail:</b> richters@city.windsor.on.ca	

**To:** Environment & Transportation Standing Committee

**Subject:** SOUTH-WESTERN ONTARIO CLEAN AIR COUNCIL

**1. RECOMMENDATION:** City Wide:  Ward(s): \_\_\_\_\_

That City Council APPROVE the continued participation in the South-western Ontario Clean Air Council.

**EXECUTIVE SUMMARY:**

N/A

**2. BACKGROUND:**

In 2008, Environment Canada provided funding to the Clean Air Partnership to produce a report titled "Engaging Municipalities in Air Quality Improvements in South-western Ontario".

The report concluded that air quality was an important concern across South-western Ontario and that most municipalities and municipal public health units do not have the capacity to act alone on the issue.

Based on the findings of this report, the City of London initiated a working group to determine the feasibility of creating a South-western Ontario Clean Air Council (SWO-CAC). To support the initiative, a financial contribution of \$1,000 from the Environmental Master Plan operating budget was provided in 2008 to assist in the formation of SWO-CAC. The initial working group included the City of London, the City of Woodstock and the City of Windsor.

In the spring of 2009, the Ministry of the Environment provided funds to host a Clean Air Summit in London. The Mayors from the three founding member cities (London, Windsor and Woodstock) were in attendance, in addition to representatives from several interested municipalities and health units. The participants supported the need to establish a South-western Ontario Clean Air Council.

**3. DISCUSSION:**

In 2001, the Greater Toronto Area Clean Air Council was formed as a response to two reports highlighting the impacts of air quality on human health.

The first report, *Burden of Illness* from Toronto Public Health, estimated that in 1995, up to 1,700 premature deaths in Toronto were as a result of air pollution. The second report, *Illness Cost of Air Pollution* from the Ontario Medical Association, estimated 5,800 deaths in Ontario due to air pollution in 2005 with a health care cost of \$500 million. The same report estimates that in Essex County, there were 260 premature deaths, 900 hospital admissions and 2,750 emergency visits associated with poor air quality in 2005.

The formation of the GTA Clean Air Council provided a venue for municipalities in the Toronto area to work collaboratively to address the air quality issues in the region. The Clean Air Partnership, a registered charity, was selected to provide secretariat support to the GTA Clean Air Council.

The success of the GTA Clean Air Council and the Environment Canada commissioned report noted above supported the formation of the South-western Clean Air Council (SWO-CAC). The Clean Air Partnership was also selected to provide secretariat support to the SWO-CAC.

The goals of the Clean Air Council (CAC) are:

- Develop and promote a Resilient Region vision;
- Identify and maximize synergies between clean air, health and climate change actions and improvements in community liveability and resilience;
- Identify financing and business case opportunities to move actions from pilot stage to “business as usual” and contribute to the building of the emerging green economy;
- Share lessons learned regarding the implementation of actions and report on the uptake/transfer/consistency of those actions across the region; and
- Identify new opportunities being undertaken elsewhere which are applicable/supportive of movement towards the Resilient Region vision in the GTA and Southern Ontario.

Member municipalities’ benefit from participation in the CAC through the sharing of resources, experiences and lessons learned. The presentation “Actions, Outcomes and Benefits of Membership” developed for the SWO-CAC is provided for more information.

Membership in the SWO-CAC will enable municipalities to access all meetings, webinars, activities, resources and learning’s of the SWO-CAC, the GTA CAC, the Alliance for Resilient Cities and the Green Development, Green Energy, Green Procurement, and Complete Streets Communities of Practice.

Access to this information is available to all city departments and is not limited to participation by one individual. For example, the “Complete Streets Community of Practice” initiative may be of interest to the Environmental Coordinator as well as to the Planning, Transportation Planning, and Engineering departments.

#### **4. FINANCIAL MATTERS:**

Municipalities with populations greater than 50,000 pay a base fee of \$1050 plus \$0.0122 per capita above the 50,000. A membership fee based on population takes into account the revenue structure of jurisdictions and accommodates larger and smaller jurisdictions in a more equitable manner. In order to better enable SWO-CAC municipalities to participate in the activities of the SWO-CAC, municipalities have requested a phase in of the membership fee structure.

Based on the 2006 Census (population 216,473), the proposed member fees for the City of Windsor are as follows:

Year	Percent phased in	Cost	Cost per capita
2011	50 %	\$1,540	0.7 ¢
2012	75 %	\$2,311	1.1 ¢
2013	100 %	\$3,081	1.4 ¢

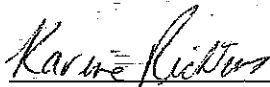
The Environmental Master Plan operating budget has sufficient funds to cover the membership fees. The Clean Air Partnership did not charge municipalities in South-western Ontario for their involvement in 2009 or 2010.

**5. CONSULTATIONS: N/A**

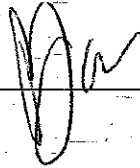
**6. CONCLUSION:**

To summarize, the SWO-CAC has provided a useful method of networking and sharing of resources between municipalities struggling with similar issues. Involvement in SWO-CAC assists with the implementation of numerous action items within the Environmental Master Plan.

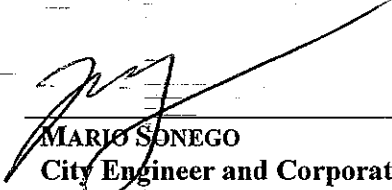
Membership enables city staff to reap the rewards of working collaboratively and ensure that they receive benefits that far out-weigh the membership costs. The cost to participate in this initiative in order to accomplish our project goals is most certainly lower than the cost of undertaking the same work and actions on our own.



**KARINA RICHTERS**  
Environmental Coordinator



**GREG ST. LOUIS**  
Senior Manager of Pollution Control



**MARIO SONEGO**  
City Engineer and Corporate Leader  
Environmental Protection & Transportation



**FOR: ONORIO COLUCCI**  
Chief Financial Officer/City Treasurer  
Corporate Leader Finance & Technology

/jc:ebr

**APPENDICES: "Actions, Outcomes and Benefits of Membership" Presentation for South-western Clean Air Council**

**DEPARTMENTS/OTHERS CONSULTED:**

Name: \_\_\_\_\_  
Phone #: -519 \_\_\_\_\_ ext. \_\_\_\_\_

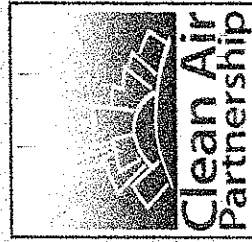
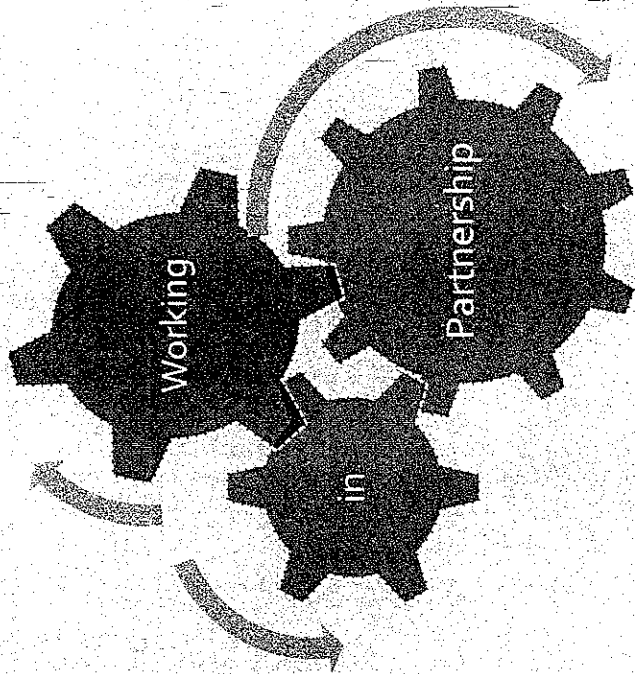
**NOTIFICATION :**

Name	Address	Email Address	Telephone	FAX

# South-western Ontario Clean Air Council

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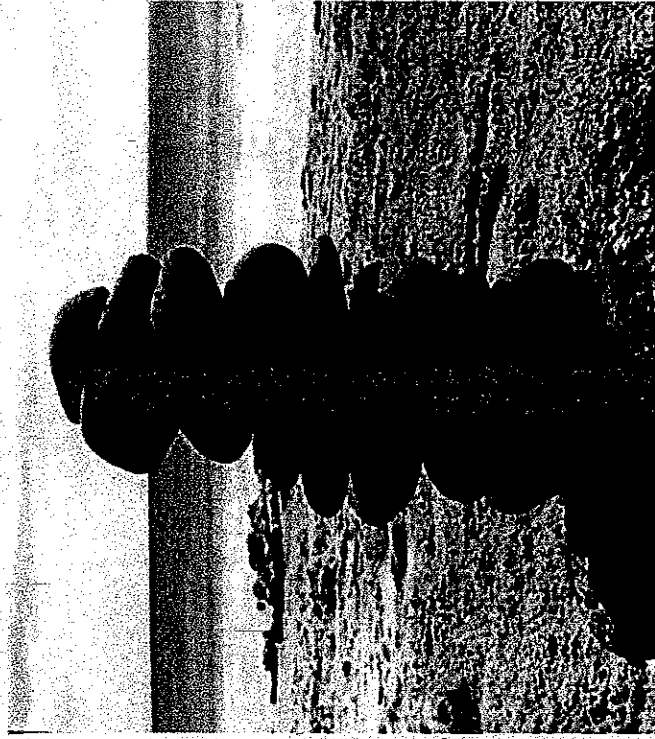
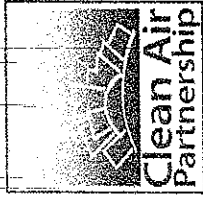
## Actions, Outcomes and Benefits of Membership



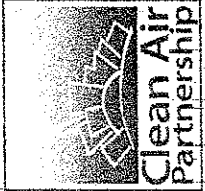
# Presentation Overview

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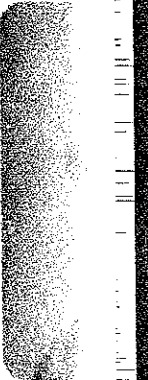
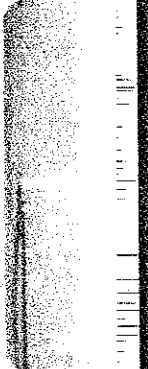
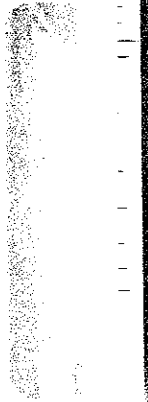
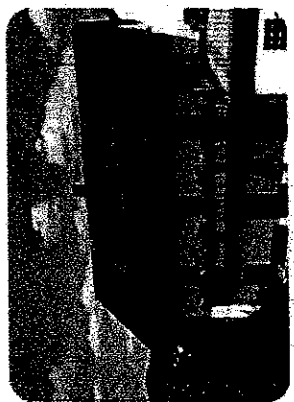
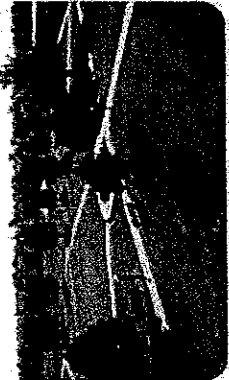
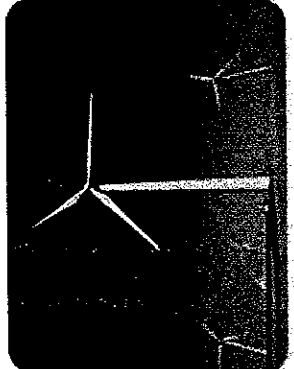
- CAP History and Mission
- Clean Air Council Story
- Clean Air Council Actions and Outcomes So Far
- Clean Air Council Future Actions
- Membership Structure



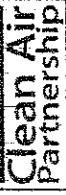
# CAP History



- **Clean Air Partnership** is a charitable organization established by the Toronto Atmospheric Fund (TAF) and the City of Toronto 10 years ago to work with municipalities and community partners to facilitate the implementation and transfer of clean air and climate change actions.
- **CAP's mission** is to transform cities into sustainable, vibrant, resilient communities, where the air is clean to breathe and greenhouse gas emissions are minimized.



# Clean Air Council



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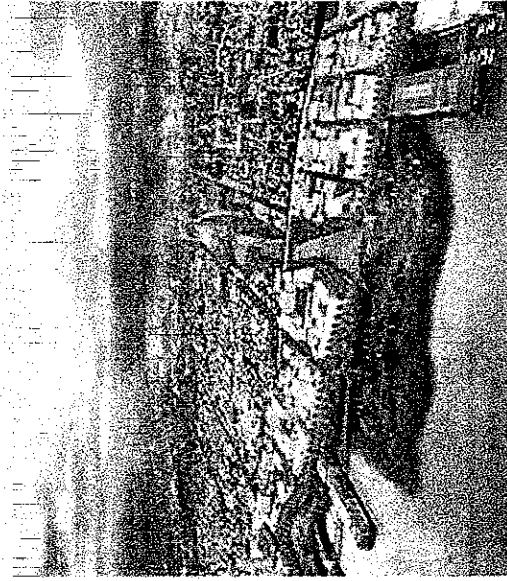
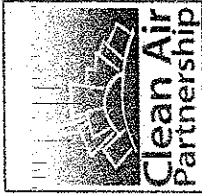
- Initiated in 2000 after the release of Toronto Public Health's Burden of Illness (1,700 death in Toronto alone due to air pollution); and Ontario Medical Association's Illness Cost of Air Pollution (5,800 deaths in Ontario due to air pollution, 500 million in health care costs).
- GTA Clean Air Council formed in 2001 and Southwest Ontario Clean Air Council initiated in 2008 and formed in 2009.
- Climate change is one of the most pressing environmental, social and economic problem facing the planet.
- The creation of lower carbon communities that are more efficient, livable, sustainable and resilient are one of the main tools that will enable us to tackle the air pollution and climate change challenge.



# Clean Air Council Premise

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- That municipalities across the Greater Toronto and South-western Ontario area benefit from actions to:
  - reduce energy use in order to save money and limit emissions;
  - make the movement of people and goods more efficient; and
  - make communities more liveable and competitive.



# Goals of the Council

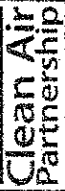


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- Develop and promote a Resilient Region vision;
- Identify and maximize synergies between clean air, health and climate change actions and improvements in community livability and resilience;
- Identify financing and business case opportunities to move actions from pilot stage to business as usual and contribute to the building of the emerging green economy;
- Share lessons learned on the implementation of actions and report on the uptake/transfer/consistency of those actions across the region; and
- Identify new opportunities being undertaken elsewhere and applicable/supportive of movement towards the Resilient Region vision in the GTA and Southern Ontario.

*A Resilient Region is defined as "A region that has developed capacities to help absorb futureshocks and stresses (ex. population, climate change, energy scarcity, environmental degradation, income disparity, socio-political) to its social, economic, and technical systems and infrastructures so as to still be able to maintain essentially the same functions, structures, systems, and identity." Source: ResilientCity.org*

## How CAC Actions Are Prioritized



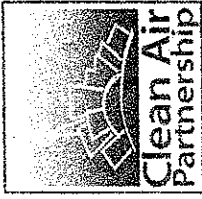
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- There is always more to do than municipalities have the resources to do, the Council identifies and acts on opportunities to pool research, expertise and lessons learned.
- Working together achieves far more with far less resources and risk.
- The members of the Council work collaboratively on agreed upon research priorities; track, analyze and determine the outcomes of actions; bring experts and practitioners in the various activity areas together to share experiences and lessons learned.
- Clean Air Council members report on their upcoming priority actions, CAC identifies the commonalities and these actions are identified for collaboration. In addition, CAP and Clean Air Council members continually identify upcoming emerging action areas
- CAC Declarations serve as Workplans

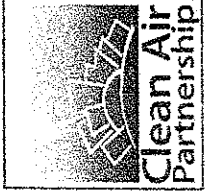
# Areas of Collaboration

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- Smog Alert Response Plans
- Idle Free By-laws and Campaigns
- 20/20 The Way To Clean Air – Community and School energy conservation campaigns
- Air Quality Monitoring – policy and education
- Air Quality Modeling
- Bicycle and Pedestrian Planning and Infrastructure
- Green Energy Purchasing and Production
- Promoting Municipal Water Conservation and Use
- Municipal Energy Efficiency Audits and Retrofits
- Green & Local Food Procurement
- Plan Development and Monitoring and Reporting on Progress and Outcomes of Plan Actions and Commitments
- Corporate and Community Green Development
- Urban Forests
- Climate Change Risk Assessment and Adaptation Opportunities
- Pilot-testing energy efficient technologies.



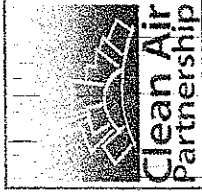
# Greater Toronto Area Clean Air Council



- Ajax, Town of
- Aurora, Town of
- Brampton, City of
- Burlington, City of
- Caledon, Town of
- Clarington, Municipality of
- Durham, Region of
- East Gwillimbury, Town of
- Halton, Region of
- Halton Hills, Town of
- Hamilton, City of
- King, Township of
- Markham, Town of
- Mississauga, City of
- Newmarket, Town of
- Oakville, Town of
- Oshawa, City of
- Peel, Region of
- Pickering, City of
- Richmond Hill, Town of
- Toronto, City of
- Vaughan, City of
- Whitby, Town of
- York, Region of
- Province of Ontario
- Government of Canada



# Municipalities & Organizations Involved with SWO CAC

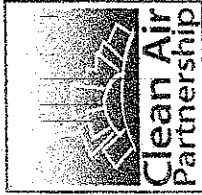


- London
- Windsor
- Woodstock
- Tillsonburg
- Goderich
- Owen Sound
- Stratford
- Windsor
- Region of Waterloo
- Kitchener
- Oxford County
- Lambton County
- St. Clair Township
- Town of Lakeshore

- SWO Health Units:
  - Halimand Norfolk
  - Grey-Bruce
  - Wellington/ Dufferin



# Southwestern Ontario Clean Air Council



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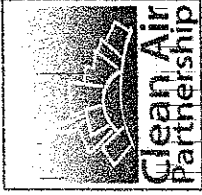
- In 2008, identified need, possible mandate and goals for a new Southwestern Ontario Clean Air Council (SWO-CAC).
- In 2009, held inaugural meeting (with funding from EC) and first Southwestern Ontario Clean Air Summit (with funding from MOE)
- SWO Mayors and Councilors signed First Southwestern Ontario Intergovernmental Declaration on Clean Air.
- Fall 2009, SWO-CAC Webinars started.
- Developed a SWO Workplan 2010-2012.

Southwestern  
Ontario  
**Clean Air**  
Council

# SWO-CAC Webinars

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- June 2011: Province of Ontario Conservation Regulations and AMO/LAS Energy Management Resources
- April 2011: Complete Streets and Land Use and Public Health Case Studies
- January 2011: SWO-CAC Workplan Prioritization
- December 2010: Proposed Air Quality Management Strategy and the Review of Current Approaches by Ontario to PM 2.5
- October 2010: Open Burning Issues and Concerns
- July 2010: Sound and Health - Wind Energy
- June 2010: Green Fleets
- March 2010: Heat Alerts, Climate Change Vulnerabilities
- February 2010: Volatile Organic Compounds, Local Air Quality
- December 2009: Energy Efficient Street Lighting, LED and Induction
- October 2009: Air Quality Monitoring and Air Quality Health Index

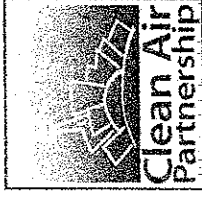




# Access To all GTA-CAC meetings

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- Working with "Not the Usual Suspects"
- Special CAC Meeting on Review of Goals and Actions
- Public Health Unit Case Study Report, Canada Green Building Council and Vision 2050 Mural
- Regional Progress Monitoring Opportunities & Inter-Departmental Communication Strategies
- Green Economic Development and Bicycle and Pedestrian Plans
- Preparing for Electric Vehicles: Municipal Fleets and Corporate and Community Planning and Infrastructure
- Reporting and Monitoring on Clean Air and Climate Change Action Plans
- Community Engagement & Financing Low Carbon Communities
- Tackling Emissions from Personal Vehicles
- Green Building Report Card and Satellite Air Quality Monitoring



## Why Collaborate?

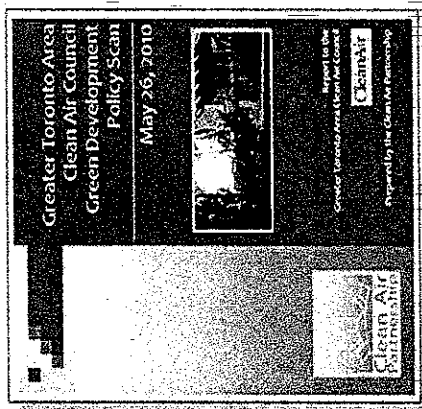
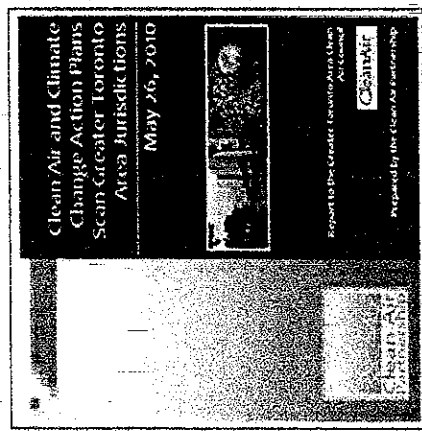
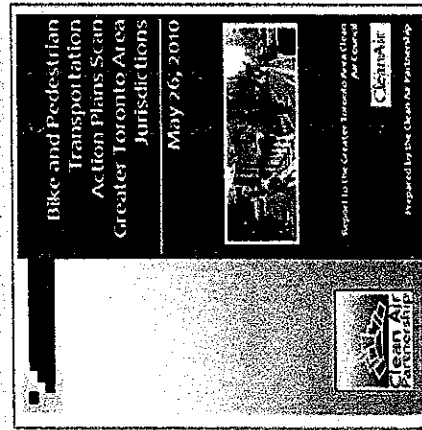
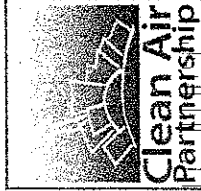


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- It makes sense that as each jurisdiction undertakes a clean air and climate change action that they share their experiences and lessons learned with others.
- Participation in a collaborative network saves staff time throughout the design, process and planning, and implementation stages.
- One of the first things a Council asks when determining whether or not to undertake an action is "who else is doing that, what did it cost, what did it achieve"?
- The costs of each jurisdiction allocating staff resources to research that individually is prohibitive and wasteful.

# CAC Action Scans

- Municipal Clean Air and Environmental Action Plans (corporate and community)
- Green Power Purchasing Scan
- Green Energy Production Scan
- Green Procurement Scan
- Green Development Scan
- Local Food Procurement Policy & Action Scan
- Bicycle and Pedestrian Plans Scan
- Land Use and Public Health Actions and Report Scan
- Urban Forestry Scan



## Communities of Practice

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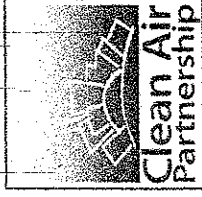
- In order to support the implementation of Declaration actions a number of Communities of Practice has been developed.
- **Green Procurement COP**
- **Green Energy COP**
- **Green Development COP**
- **Complete Streets**
- **Urban Forests**



## Communities of Practice

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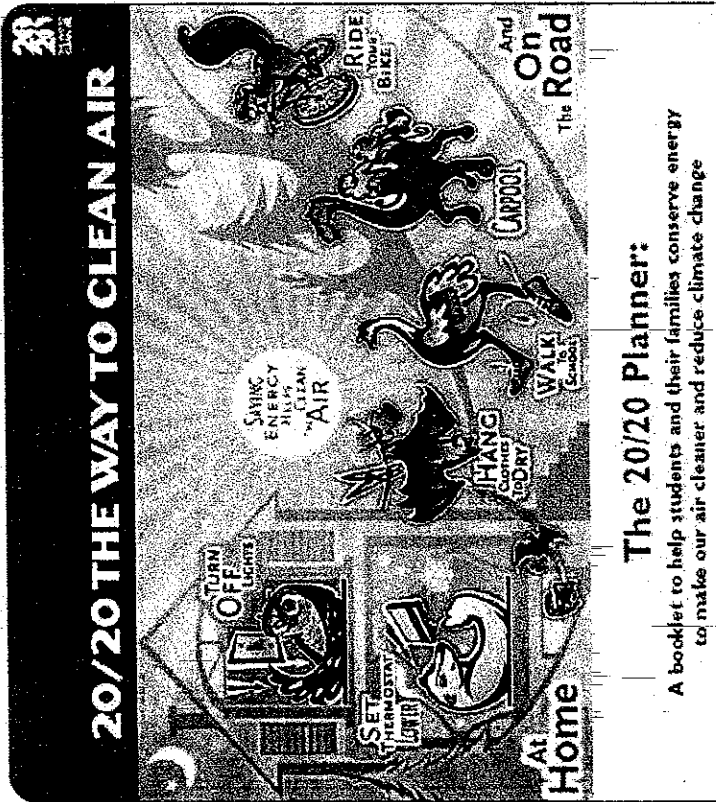
- Sharing of expertise, experiences and lessons learned via webinar
- Sharing resource development: ex. specifications and by-laws for green procurement, outreach for green development, business cases, visual tools, council reports, toolkits,
- Developing monitoring and reporting strategies collaboratively
- Documentation and tracking of policies, procedures, programs and actions



# 20/20 The Way to Clean Air

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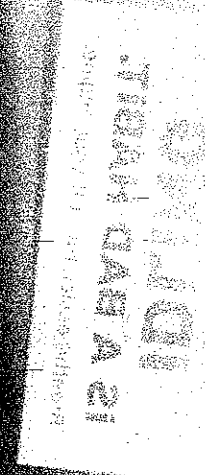
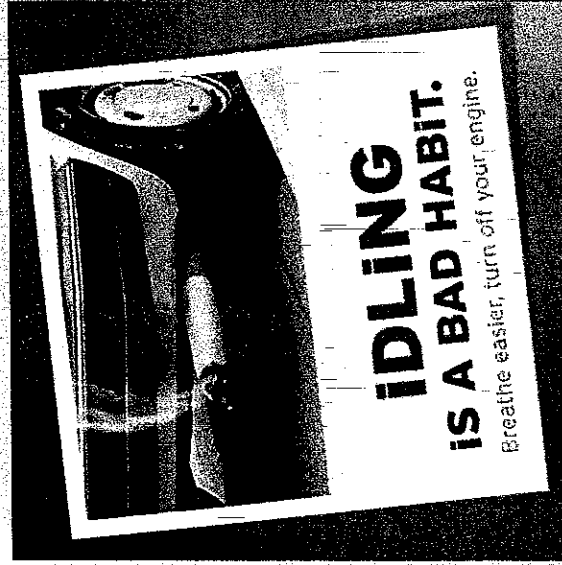
- A social marketing energy conservation campaign aimed at helping the public make the connection between their everyday choices and energy use, air pollution and climate change.
- Customized school resources promoted to Grade 5 Teachers to help deliver the energy conservation curriculum
- 20/20 EcoSchool Planner, Teacher's Guide, Lesson Plan and other resources
- Coordinated by CAP and delivered by health units, municipalities and school boards



# Idle Free Education

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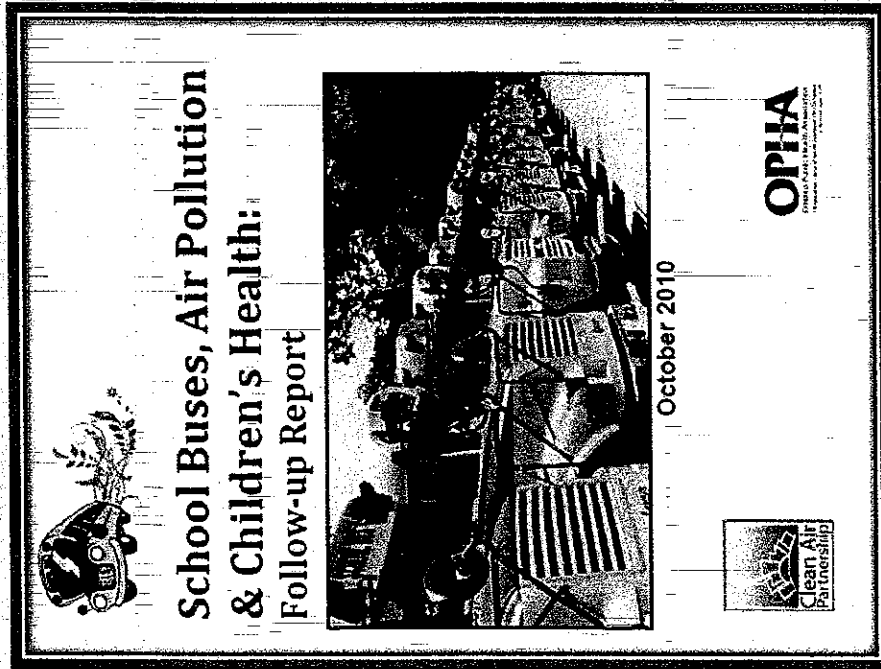
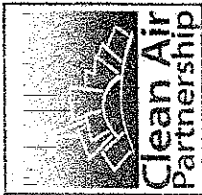
- To changing idling behaviour, builds awareness of the connection between everyday actions and air pollution and climate change.
- To assist schools and their students deliver this message, CAP developed an idle free campaign in a box resource and outdoor banners promoting the idle free message beyond the campaign.
- To promote idle free at school as a way for students to focus on an environmental action they can influence and to see that their actions do make a difference.



# Research in Action: School Buses, Air Pollution & Children's Health

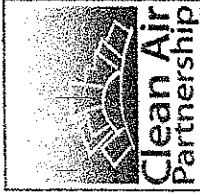
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- CAP's School Buses, Air Pollution & Children's Health Follow-up Report:
  - Partnership with OPHA.
  - Examine awareness and actions to address school bus emissions in Ontario.
  - Examine projects of the Federal Government, programs by provincial governments, and policies adopted by Canadian school boards, to reduce emissions and exposures associated with school buses.





# Climate Change Adaptation Training and Resources



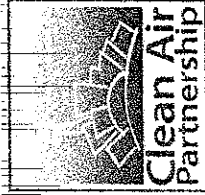
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- Climate Change Adaptation Training program
- Resources and Tools to help connect climate change adaptation to municipal decision making and delivery of services
- Visual tools, information sharing, research, latest science and policy



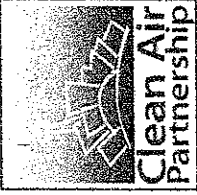
## Membership Structure

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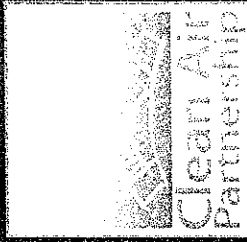
- CAC members contribute to the CAC's work in the form of membership fees (based on population)
- Membership: \$1050 for municipalities < 50,000 plus \$0.0122 per capita > 50,000
- All member departments are eligible to participate in CAC activities and resources
- Membership enables city staff to reap the rewards of working collaboratively and ensure that they receive benefits that far out-weigh the membership costs and are most certainly lower than the costs of undertaking this work and these actions on their own.

# Membership Fees

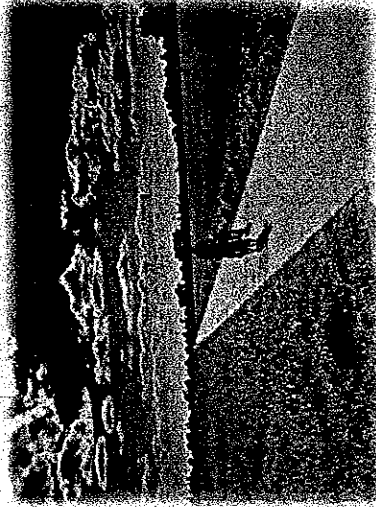


Jurisdiction	2011 (Year 1) 50%	2012 (Year 2) 75%	2013 (Year 3) 100%	Population (2006 Census)	Costs per person based on 100%
Brockton	525	788	1,050	9,461	0.11
Cambridge, City of	954	1,431	1,909	120,371	0.02
Essex County	1,299	1,949	2,599	176,929	0.01
Goderich, Town of	525	788	1,050	7,604	0.14
Guelph	921	1,382	1,842	114,943	0.02
Kingsville, Town of	525	788	1,050	20,900	0.05
Kitchener, City	1,468	2,203	2,937	204,668	0.01
Lakeshore, Town of	525	788	1,050	33,245	0.03
Lambton County	1,002	1,503	2,004	128,204	0.02
Leamington, Town of	525	788	1,050	31,113	0.03
London	2,370	3,554	4,739	352,395	0.01
Owen-Sound, City of	525	788	1,050	20,032	0.05
Oxford County	847	1,270	1,694	102,756	0.02
Sarnia, City of	656	983	1,311	71,419	0.02
St. Clair Township	525	788	1,050	14,649	0.07
St. Thomas	525	788	1,050	36,110	0.03
Stratford, City of	525	788	1,050	30,461	0.03
Tecumseh, Town of	525	788	1,050	24,224	0.04
Tilsonburg, Town of	525	788	1,050	14,822	0.07
Waterloo, City	815	1,222	1,629	97,475	0.02
Waterloo, Region	3,137	4,705	6,273	478,121	0.01
Welland	527	791	1,054	50,331	0.02
Wellington County	1,443	2,164	2,885	200,425	0.01
Windsor, City of	1,540	2,311	3,081	216,473	0.01
Woodstock, City of	525	788	1,050	35,480	0.03

# Thank You



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