

WORKING WITH  
PARTNERS TO ACHIEVE

CLEANAIR

Smog Summit – June 7, 2007  
*Action on Clean Air and Climate Change*

## **The Power of Regional Collaboration**

Presentation by  
Eva Ligeti, Executive Director  
Clean Air Partnership

*The Clean Air Partnership is a registered charity that works in partnership to promote and coordinate actions to improve local air quality and reduce greenhouse gases for healthy communities*



# 31 Partners across the GTA

GTA Clean Air Council representatives from all orders of government in the GTA and beyond meet regularly during the year to share best practices : learning, collaborating and sometimes leapfrogging !!!!



# KEY to success: Political Leadership

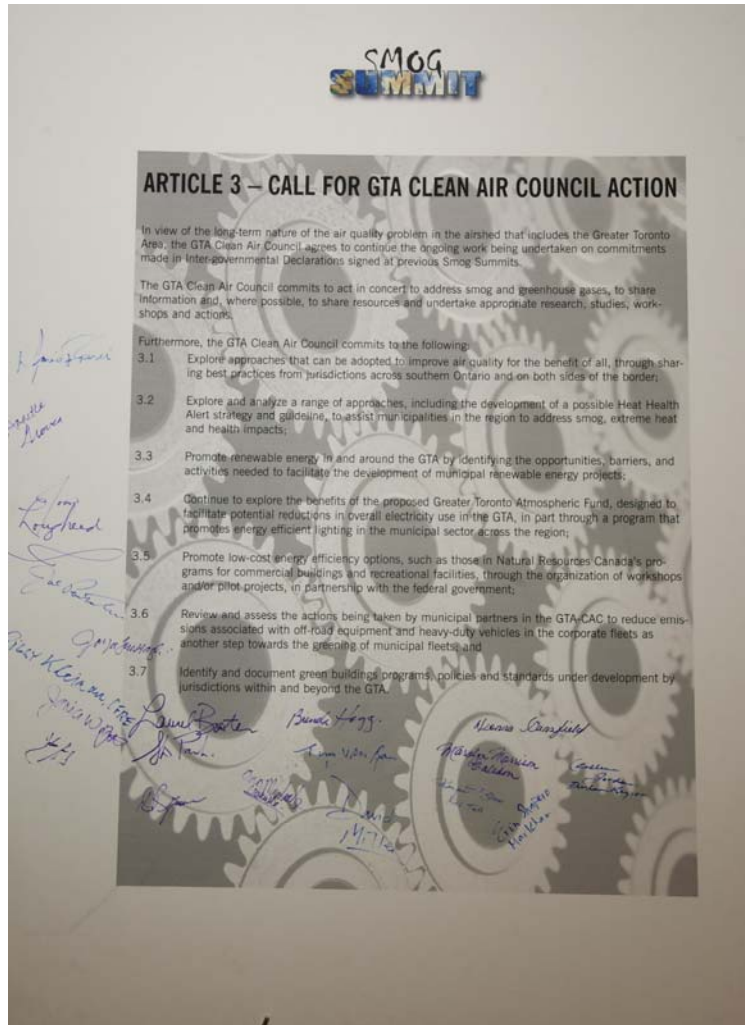
*Together with dedicated staff and resources*



Each year federal, provincial and municipal politicians make commitments by signing the *Toronto and Region Inter-governmental Declaration on Clean Air*

# Announcements on Clean Air and Climate Change

*Annual Joint Commitments to initiatives*



## ***Toronto and Region Inter-governmental Declaration on Clean Air***

Outlines our collective understanding about the impacts of poor air quality and joint clean air actions to be undertaken in the coming year

# Examples of Action on Clean Air and Climate Change

- Green Building Initiatives
- Renewable Energy Initiatives
- Green Fleet Initiatives



# Actions on *Green Building Initiatives*

- East Gwillimbury – Mandatory EnergyStar® standard for new housing, and mandatory LEED Silver Policy for all new buildings
- Toronto – ‘Green Development Standard’
- York Region – All regionally owned facilities >500 sq m will be designed and operated to LEED Silver standards.
- Markham - Performance measures with indicators have been developed for 5 key building areas



# Actions on *Renewable Energy* Initiatives

- Caledon Centre for Recreation and Wellness - Co-generation and Solar Thermal Power
- Britannia Landfill Gas Utilization Project – Peel Region
- *Hershey Centre* – Solar Voltaic Project, Mississauga
- Richmond Hill Centre for the Performing Arts – Geothermal heating and cooling
- Exhibition Place – first municipally owned tri-generation facility in Canada, Toronto



# Actions on *Green Fleet* Initiatives

- Purchasing hybrid vehicles and using biodiesel (most jurisdictions)
- Plug-in hybrid pilot (Toronto)
- Use of ultra-low sulphur diesel in off-road vehicles (Mississauga, Richmond Hill and Markham)
- Right-sizing of vehicles (Burlington, Mississauga)
- Switching to low-emissions small engines (Caledon);
- Anti-idling technologies (Burlington, Markham, Peel and Oshawa);
- Hydrogen-injection system pilots (Clarington, Mississauga);
- Green Fleet Plans (Hamilton, Markham)



# Annual Progress Reports

## *Programs and Projects*

### Community Clean Air Planning

Air Quality Modelling

### Corporate Clean Air Plan

Decision Matrix  
Smog Response Plans

### Green Fleets

Hybrid vehicles  
B5/20/50 and ultra-low sulphur diesel  
Automatic shut-off technology  
Hydrogen-injection system pilots  
Low emissions small engines

### Green Buildings

Policies & Standards  
Energy Star standards  
LEED Silver policy  
Sustainable Neighbourhood guidelines  
Green roof installation

### Green Energy

Natural gas co-generation  
Solar – thermal, photovoltaic  
Biogas/landfill gas utilization  
Geothermal heating/cooling  
Wind turbine installation

### Climate Change Adaptation

Heat Watch Warning Systems  
Heat Alert Review

### Energy Efficiency

ENERGY STAR Procurement

# GTA Public Engaged: Air Quality

*In your view, what is the most important environmental issue facing the Greater Toronto Area today?*

**2007**

Most important environmental issue facing GTA

	GTA	City of Toronto	Halton Region	Peel Region	York Region	Durham Region
Air pollution	<b>54</b>	56	59	52	53	46
Garbage/landfills/recycling	<b>18</b>	18	21	15	16	25
Climate change/global warming	<b>6</b>	7	4	5	4	8
Urban sprawl/development	<b>4</b>	2	4	9	2	6
Water pollution/drinking water	<b>4</b>	3	6	4	5	2
Energy consumption/conservation	<b>2</b>	2	1	2	2	2
Other environmental issues	<b>9</b>	9	2	8	10	9
None/don't know	<b>5</b>	5	2	5	7	2

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