

ARTICLE 4 –INTERIM PROGRESS REPORT ON 2008 AND 2009 GTA CLEAN AIR COUNCIL INTER-GOVERNMENTAL DECLARATION ON CLEAN AIR AND CLIMATE CHANGE ACTIONS AND TARGETS



2009 DECLARATION ACTIONS

2009 Action Planning

- 4.1 Development of a Green Procurement Toolkit and Training program to support the implementation of Green Procurement Policies.

Update: Toolkit available on GTA-CAC Green Procurement Intranet. Green procurement outreach and training resources available as part of Toolkit. Resources to support GTA-CAC green procurement needs continue to be added to Toolkit.

- 4.2 Development of Sustainability Performance Matrix to rank new developments on their ecological footprint.

Target: 1 GTA-CAC municipal jurisdiction commits to pilot testing the use of the Sustainability Performance Matrix into their development application process and 10 GTA-CAC jurisdictions provide input and guidance into the development of the Sustainability Performance Matrix to ensure its practicality and transferability by 2010.

Update: Submitted proposal to Max Bell Foundation, were unsuccessful in securing funding. City of Vaughan undertook a scan of existing green development and sustainability matrices. City of Vaughan in partnership with City of Brampton and Town of Richmond Hill submitted proposal to FCM. Awaiting response from FCM.

- 4.3 Development of a Local Food Solutions Paper that provides guidance and lessons learned on the development and implementation of local food procurement policies.

Update: Local Food Procurement Actions and Reports Scan in development, draft available for GTA-CAC review by June 2010. **Local Food Procurement Policies Approved in:** Markham, Toronto, Halton Region.

- 4.4 Research and reporting on case studies of financing mechanisms that encourage energy conservation.

Update: Municipal energy conservation and green energy financing strategies case study summary in development, draft available for GTA-CAC review by August 2010.

2009 Taking Action

- 4.5 Working collaboratively to take action on identifying barriers to phasing out disposable water bottles from GTA-CAC member's government facilities, identifying barriers to building awareness within the community on the benefits of municipal tap water.

Target: 10 municipalities have committed to phasing out disposable water bottles within municipal facilities by 2010.

Update: Bans/phase outs within city halls approved in: Ajax, Burlington, Caledon, Durham Region, East Gwillimbury, Hamilton, Mississauga, Newmarket, Oakville, Toronto, and Vaughan.

Restrictions in place in: Halton Region, Markham, Oshawa, Richmond Hill, York Region.

GTA-CAC is partnering with FCM, AMO and Polaris Institute to develop educational materials and to promote the environmental and economic benefits of municipal tap water.

2009 Monitoring and Reporting

- 4.6 The Clean Air Partnership and GTA-CAC members work collaboratively to update the GTA-CAC Green Development Standards and Green Energy Scans.

Update: See item 4.14 and 4.15 below.

- 4.7 The GTA-CAC will work in partnership with CAP and geoConnections to provide data and guidance on the applicability of the Urban Heat Island Decision Support System in their planning processes.

Target: 5 members have signed formal agreements to support, provide data and/or otherwise participate in this project by 2010.

Update: Ajax, Region of Peel, Hamilton, Toronto (Planning Department and Public Health department). The Urban Heat Mapping and Analysis Program (UMAP) was completed in May 2010 and is built with established technologies and frameworks, providing an extensive set of optional base features. The three primary functions of the decision support system are: to assess vulnerability to heat of both populations and places in the GTHA; to examine the relationship between 'hotspots' and other variables; and to support heat-related communications activities.

- 4.8 The GTA-CAC reports back in 2010 on progress related to targets and actions outlined in the *GTA Clean Air Council 2008 - 2010 Inter-governmental Declaration on Clean Air*.

2009 Emerging Issues

- 4.9 The Federal, Provincial and Municipal members of the GTA-CAC agree to work collaboratively to identify opportunities and benefits of maintaining and increasing the

health of urban forests in order to reduce air pollution impacts, the urban heat island effect and to mitigate and adapt to climate change.

Update: GTA-CAC October 2009 meeting focused on strategies to increase, protect and maintain urban forests. Ajax, Oakville, Pickering and Toronto working in partnership with Toronto Region Conservation Authority to undertake urban tree inventories. Trees for Tomorrow Program in Markham, Tree Preservation Policy in Newmarket, Urban Forestry Strategy approved in Oakville, Toronto, York Region. Urban Forestry Strategy in progress in Burlington. An Urban Forestry Strategy and Actions Scan will be undertaken in the fall of 2010.

- 4.10** Work in collaboration to build awareness of Green Buildings in GTA communities via the www.ontariogreenbuildings.org web site.

Update: Promoted via GTA 2009 Doors Open Events. Will be promoted via social marketing strategy being developed for GTA-CAC and set to begin delivery in the fall of 2010.

2008 DECLARATION ACTIONS

In progress means likely to be approved by end of 2010 or closely thereafter unless otherwise noted in brackets.

2008 Action Planning

- 4.11 Development of Action Plans¹ outlining actions aimed at reducing energy use and mitigating air pollution and climate change.

Target: 20 members have approved corporate Action Plans by 2010.²

Update: Approved Corporate Plans: Ajax, Burlington, Caledon, East Gwillimbury, Halton Hills, Hamilton, Mississauga, Oakville, Region of Peel, Pickering, Richmond Hill, Toronto, Vaughan, York Region.

Corporate Plans in Progress: Aurora, Brampton, Durham Region, King, Oshawa, Markham, Newmarket.

Target: 15 members have approved Community Action Plans by 2010.

Update: Approved Community Plans: East Gwillimbury, Halton Hills, Hamilton, Mississauga, Oakville, Oshawa, Pickering, Richmond Hill, Toronto, Vaughan, York Region.

Community Plans in Progress: Ajax, Brampton, Caledon, Clarington (2011), Durham

¹ A "Plan" must list out actions that the jurisdiction commits to undertaking in order to reduce its corporate/community energy use. Actions must be approved by council and have a department that is responsible for implementation and a mechanism in place to provide updates on implementation.

² Targets vary due to jurisdictional responsibilities and local identification of priority opportunities.

Region (2011), King Township (2011), Markham.

- 4.12 Development of corporate Green Procurement Policies that increase the implementation of energy efficiency criteria in purchasing, lease and contract decisions.

Target: 15 members have approved green procurement polices by 2010.

Update: Approved Green Procurement Policies/Procedures: Brampton (Energy Star and EcoChoice label criteria); Oakville (green procurement procedure); Hamilton (life cycle costing policy), Toronto (green procurement procedure).

Green Procurement Policies in Progress: Burlington, Caledon, Halton Region, Region of Peel, Markham, Mississauga, Oshawa, Richmond Hill, Vaughan, Whitby, York Region

Green Procurement Practices in Place: A GTA-CAC Green Procurement Policy, Procedure, and Practice Scan will be undertaken in the fall of 2010.

- 4.13 Development of community Bicycle/Pedestrian Plans aimed at increasing a modal shift from single occupancy vehicle use to active transportation.

Target: 15 members have approved Bicycle/Pedestrian Plans by 2010.

Update: Approved Bicycle/Pedestrian Plans: Ajax, Brampton, Burlington, Caledon, Durham Region, Halton Region, Hamilton, Markham, Newmarket, Oakville, Pickering, Richmond Hill, Toronto, Vaughan, York Region.

Bicycle/Pedestrian Plans In Progress: Aurora, Clarington (2011), East Gwillimbury, Halton Hills, Mississauga, Oshawa, Region of Peel, Whitby.

2008 Taking Action

- 4.14 Establishment of a Community of Practice to increase the implementation of renewable energy purchasing or production.

Target: 15 members are producing or purchasing renewable power by 2010.

Update: Green Energy Purchasing: Aurora, Caledon, Mississauga, Oakville, Region of Peel, Toronto, York Region.

Update: Green Energy Production: Ajax, Burlington, Region of Halton, Halton Hills, Hamilton, King, Markham, Mississauga, Oakville, Region of Peel, Richmond Hill, Vaughan, Toronto, York Region.

- 4.15 Establishment of a Community of Practice to increase the implementation of green development policies and practices and identification of best practices.

Target: 15 members have corporate green development polices/standards in place by 2010.

Update: Approved corporate green development policies/standards: Ajax, Burlington, Durham Region, East Gwillimbury, Halton Hills, Markham, Mississauga, Newmarket, Oakville, Pickering, Richmond Hill, Toronto, York Region.

Corporate green development polices/standards in progress: Aurora, Region of Halton, Hamilton, King, Region of Peel.

Target: 10 members have community green development policies/standards/incentives in place by 2010.

Update: Approved community development policies/standards/incentives: Brampton, Caledon, Clarington, East Gwillimbury, Hamilton, Markham, Pickering, Toronto, Vaughan (residential), York Region.

Community development policies/standards/incentives in progress: Ajax, Aurora, Burlington, King, Mississauga, Oakville, Region of Peel, Richmond Hill.

Target: 10 members have green roof policies/standards/incentives in place by 2010.

Update: Approved green roof policies/standards/incentives: Brampton, Clarington (as part of community development), Oakville (as part of community development), Markham (Markham Centre region), Toronto.

Green roof policies/standards/incentives in progress Ajax, Hamilton and jurisdictions listed above with community green development policies in progress.

- 4.16 Development of a checklist and toolkit that supports the analysis of land use planning proposal applications using air pollution, transportation demand management and public health perspective.

Target: Toolkit completed by 2009. Update: Guidance document developed by: Ontario Ministry of Municipal Affairs and Housing and Ontario Professional Planners Institute. GTA-CAC webinars on Land Use Planning Toolkits and Resources in September and October of 2010.

- 4.17 Conversion of traffic signals to light emitting diode (LED) technology³.
Target: 15 members have converted at least 75% of all traffic signals to LED technology by 2010. Update: All GTA-CAC jurisdictions listed in Article 2 responsible for traffic signals⁴ have achieved this target.

- 4.18 Pilot testing of light emitting diode (LED) technology for street, pathway, and garage lighting.

Target: 5 members participating in LightSavers LED technology pilot by 2009.

³ LED traffic signals require approximately 80 – 90% less energy than regular incandescent traffic signal bulbs. LED traffic signals are more energy efficient because they do not emit heat and do not require filtering to produce colored lights.

⁴ For example King and East Gwillimbury do not have responsibility for Traffic Signals

Update: Caledon, Burlington, Hamilton, Mississauga, Region of Durham, Toronto participating in LightSavers. Vaughan (LED streetlight retrofits approved); Halton Hills (pilot testing LED pathway lighting); Aurora, Oakville, Richmond Hill (LED street lighting pilot projects). Oshawa (solar powered LED in use at airport).

- 4.19 Continued support and development of transportation demand management initiatives and programs to reduce and shift travel to more sustainable and lower emissions modes.

Target: 20 members operating or supporting the operation of trip reduction programs by 2010.

Update: Listing of Smart Commute offices. **Smart Commute 404-7:** York Region, Richmond Hill, Markham. **Smart Commute Brampton Caledon,** Region of Peel. **Smart Commute Central York:** Newmarket, York Region. **Smart Commute Durham Region,** Durham Region, Oshawa and Whitby. **Smart Commute Halton:** Region of Halton, Burlington, Oakville. **Smart Commute Hamilton.** **Smart Commute Mississauga.** **Smart Commute North Toronto – Vaughan.** **Smart Commute Toronto.**

2008 Monitoring and Reporting

- 4.20 Continued support for Phase II of the Air Pollution Modeling project to improve the accuracy of base case and future scenario estimations of concentrations of air contaminants.

Target: 5 members having signed formal agreements to financially support and/or otherwise participate in Phase II by 2010. **Update:** Based on new satellite air quality monitoring opportunities GTA-CAC jurisdictions are reviewing opportunities to identify mechanisms to better monitor and model air quality conditions across the GTA.

- 4.21 Provide the Clean Air Partnership with updated information on the progress related to their jurisdiction's implementation of clean air/climate change actions announced at annual Smog Summits and progress related to their jurisdiction's implementation of priority declaration items. The Clean Air Partnership will compile GTA-CAC progress and promote results and priority activities through networks and partnerships.

ARTICLE 4 Scans: available for download at www.cleanairpartnership.org

- Green Energy Purchasing Scan
- Green Energy Production Scan
- Green Development Scan
- Action Plan Scan (outlining Actions aimed at reducing energy use and mitigating air pollution and climate change).
- 'Bicycle/Pedestrian Scan
- Local Food Procurement Actions and Reports Scan (coming Fall of 2010)
- Urban Forestry Strategy and Actions Scan (coming Fall of 2010)

- Green Procurement Policies and Actions Scan (coming Fall of 2010)

2008 Emerging Issues

- 4.22 Support promotion of the Air Quality Health Index (AQHI) which has been pilot tested in the City of Toronto and expanded into the Greater Toronto Area in the spring of 2008.

Target: 7 members are participating in the GTA AQHI pilot.

Update: Toronto, Region of Peel, York Region, Durham Region, Halton Region, Government of Canada and Province of Ontario promoting the AQHI.

- 4.23 Co-operation on assessing vulnerability to climate change impacts and identification of policies and programs aimed at mitigating and adapting to climate change.

Update: Hamilton, Oakville, Oshawa, Region of Peel, Toronto, Vaughan, York Region are members of the Alliance for Resilient Cities (ARC). ARC is a national network of decision-makers that supports the efforts of local governments to protect their communities from the impacts of climate change. The Clean Air Partnership is facilitating the Community Adaptation Initiative and will develop resources and training to help communities adapt to climate change. Heat vulnerability research undertaken by Toronto Public Health.

- 4.24 Co-operation and sharing of information and best practices with municipalities in Southwestern Ontario through a Southwestern Ontario Clean Air Council.

Update: The GTA-CAC has been working in coordination with the SWO-CAC to share resources, meeting presentations, webinar, learnings and experiences.

- 4.25 Promoting best practices through effective public messaging to improve air quality in response to wood stove and open burning air issues.

Update: GTA-CAC provided guidance to the Province of Ontario's Model Municipal Code of Practice for Wood-Burning Appliances and Open Air Burning in Ontario: Model presently under public review process. Model Municipal Code expected to be finalized by June 2010.

- 4.26 Investigation of the role of local sustainable food systems to reduce energy use and identification of practices and programs aimed at increasing local food production and consumption.

Update: See Item 4.3