

## **Implementing the Climate Change, Clean Air and Sustainable Energy Action Plan**

<b>Date:</b>	January 19, 2009
<b>To:</b>	Executive Committee
<b>From:</b>	Deputy City Manager, Richard Butts
<b>Wards:</b>	All
<b>Reference Number:</b>	P:\2009\Cluster B\TEO\Jan\EX09001

### **SUMMARY**

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As part of the Climate Change, Clean Air and Sustainable Energy Action Plan (the “Climate Change Action Plan”), the Deputy City Manager, Richard Butts, is to provide City Council with annual reports regarding the outcomes of policies, programs and activities in connection with that plan.

There are 68 consolidated recommendations presented in the Climate Change Action Plan. 38% of the recommendations were completed as of December 2008 and the remaining 62% had been initiated and in the process of being implemented.

The Climate Change Action Plan builds upon a long history of environmental initiatives, programs, policies and directions of City Council. The commitment of City Council is reflected in the fact that the 2009-13 capital budget contains well over \$1 billion in funding for initiatives that address a range of environmental, social and economic priorities for our community while providing both greenhouse gas and smog causing emission reductions.

While this report focuses on summarizing the implementation status of the 68 consolidated recommendations, future reports will quantify progress against the emission reduction targets adopted by City Council and make recommendations for additional actions.

## Financial Impact

There are no financial implications associated with the report.

The Acting Deputy City Manager and Chief Financial Officer has reviewed this report and agrees with the financial impact information.

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## DECISION HISTORY

At its meeting of July 16 to 19, 2007 City Council unanimously adopted the recommendations of the Climate Change Action Plan, (<http://www.toronto.ca/legdocs/mmis/2007/cc/decisions/2007-07-16-cc11-dd.pdf>). Included in those recommendations was a direction that the Deputy City Manager, Cluster B, report on the outcomes of policies, programs and activities in connection with the Action Plan and recommend changes and new actions as part of regular annual reporting.

This report addresses that recommendation by reporting on the implementation status, as of December 2008, of the 68 consolidated recommendations adopted by City Council.

## ISSUE BACKGROUND

The Climate Change Action Plan is supported and enhanced through numerous environmental initiatives and programs established by City Council that help achieve Council's adopted greenhouse gas and smog causing emission targets, including:

- The Toronto Atmospheric Fund (<http://www.toronto.ca/taf/about.htm>);
- The Better Buildings Partnership (<http://www.toronto.ca/bbp/index.htm>);
- The Environment Plan ([http://www.toronto.ca/council/environtf\\_clean\\_green.htm](http://www.toronto.ca/council/environtf_clean_green.htm));
- Official Plan ([http://www.toronto.ca/planning/official\\_plan/introduction.htm](http://www.toronto.ca/planning/official_plan/introduction.htm));
- Target 70 (<http://www.toronto.ca/target70/index.htm>);
- Water Efficiency Plan (<http://www.toronto.ca/watereff/plan.htm>);
- The Wet Weather Flow Master Plan ([http://www.toronto.ca/water/protecting\\_quality/wwfmmp/](http://www.toronto.ca/water/protecting_quality/wwfmmp/));
- 20/20 The Way the Clean Air (<http://www.toronto.ca/health/airquality/2020/about.htm>);
- Our Common Grounds (<http://www.toronto.ca/parks/commongrounds.htm>);
- TTC's Ridership Growth Strategy ([http://www.toronto.ca/ttc/ridership\\_growth\\_strategy.htm](http://www.toronto.ca/ttc/ridership_growth_strategy.htm));
- Transit City ([http://www.toronto.ca/ttc/transitcity/about\\_transitcity.html](http://www.toronto.ca/ttc/transitcity/about_transitcity.html));
- The Green Fleet Plan 2008 – 2011 (<http://www.toronto.ca/fleet>);
- 90 Megawatts (MW) Electricity Conservation Program; and

- Green Economic Development Sector Strategy (<http://www.toronto.ca/business/green-economic-development.htm>).

As noted earlier, over \$1 billion has been allocated in the 2009 to 2013 capital budget to support implementation of the Climate Change Action Plan. The initiatives listed above and other environmental programs that help achieve emission reductions also support a range of other environmental, social and economic issues of concern. The more significant initiatives and activities funded through the capital and operating budget are:

- the Better Building Partnership and the Sustainable Energy Funds which are low interest revolving loan funds that support energy conservation and renewable energy;
- ongoing energy efficiency retrofits and installation of renewable energy systems on the 1,500 City owned buildings;
- tree planting and urban forestry maintenance;
- accelerated implementation of the City's Bike Plan with the goal of having 1,000 kilometres of bikeways in place by 2012;
- the Live Green Toronto program which provides support for neighbourhood and community groups in taking action on Climate Change;
- continued conversion of traffic signals to LED lights;
- implementation of water efficiency programs and improved energy efficiency in water and wastewater treatment that will achieve an annual avoidance of an estimated 14,000 tonnes of greenhouse gas emissions;
- installation and operation of methane gas capture and control at closed and operating landfills;
- construction of anaerobic digestion facilities that will capture the biogas and generate enough electricity to power an estimated 1,700 homes;
- improvements to rapid transit services, such as, bus rapid transit routes, changed signals that will increase the capacity of the Yonge subway line, and light rapid transit lines;
- the purchase of buses to increase transit capacity; and
- a range of other initiatives like the Green Fleet Plans, the Eco-Roofs Financial Incentive program, and initiatives that promote production and consumption of locally grown food.

## COMMENTS

Since adoption of the Climate Change Action Plan, significant progress has been made on its many recommendations. Of the 68 consolidated recommendations included in the Climate Change Action Plan work has been initiated on all, with 38% being identified as being completed. Although delays were experienced, primarily due to the cost containment exercise that was mandated for the second half of 2007, City Council and Staff have moved forward and made progress on all the recommendations.

Appendix A of this report provides a detailed summary of the current status of each recommendation of the Climate Change Action Plan, while Table One below provides a summary of the more significant actions taken by City Council since its adoption in July 2007.

<b>TABLE ONE: ENVIRONMENTAL ACHIEVEMENTS, TORONTO CITY COUNCIL, July 2007 – December 2008</b>	
<b>MONTH</b>	<b>ACTIONS TAKEN</b>
July 2007	City Council adopts the Climate Change, Clean Air and Sustainable Energy Action Plan and its aggressive short term and long term emission reduction targets.
September - October 2007	City Council adopts the Sustainable Transportation Short Term Initiatives report.  The City hosts the international Walk21 Conference.
November – December 2007	City Council as part of the 5-year Capital Budget authorizes almost \$120 million for new initiatives arising from the Climate Change Action Plan. Projects funded include: <ul style="list-style-type: none"> <li>• \$62 million for the Sustainable Energy Funds to provide zero interest loans for energy efficiency and renewable energy projects;</li> <li>• \$9 million to connect City Hall, the Police Headquarters and Union Station to deep lake water cooling;</li> <li>• \$13 million towards the 5-year plan for making City Hall and Nathan Phillip Square a showcase of sustainability;</li> <li>• \$20 million towards the Live Green Toronto program, to provide, in part, assistance to neighbourhood and community groups in taking action on climate change;</li> <li>• \$2 million for the Eco-Roof Financial Incentive program;</li> <li>• \$7 million for the Clean Roads to Clean Air program completing the conversion of all City street sweepers to new technology which helps control ground level air pollution;</li> <li>• \$2 million for Climate Change Adaptation research and strategic planning; and</li> <li>• an 18% increase in the capital funds for the Bike Plan;</li> </ul>
January 2008	City Council's Parks and Environment Committee held a special meeting to hear from six experts on the issue of Climate Change Adaptation.
February 2008	Zerofootprint and the City of Toronto launch the zerofootprint website, an interactive tool for engaging residents in identifying and taking action on climate change.
March 2008	City Council is the first Ontario municipality to adopt a zoning bylaw amendment allowing the installation of renewable energy systems on residential properties and removing a significant regulatory barrier to their installation.  City Council adopts the Green Fleet Plan, Phase II for the City's 4,000 vehicles. This plan builds upon the successful implementation of the Phase I Plan, which resulted in emissions reductions of approximately 5,000 tonnes from the City's fleet.  Hundreds of thousands of Torontonians and businesses participate in EarthHour and Toronto Hydro records an almost 9% drop in electricity consumption for that hour on March 29.  City unveils the 'Live Green Toronto' exhibit at Canada Blooms, profiling the range of services and resources available to residents from the City to help them live green. Also at Canada Blooms

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	the City, in partnership with three other municipalities and the Toronto Botanical Gardens exhibit a water efficient garden.
April 2008	<p>Organizations can begin to apply to the \$62 million Sustainable Energy Funds, which provides zero interest loans for energy efficiency retrofits and installation of renewable energy systems on buildings in the Municipal, Academic, Schools, Hospitals and broader not-for-profit sector.</p> <p>Third Annual Green Toronto Awards held in conjunction with the Green Living Show.</p> <p>April 28 was the 5<sup>th</sup> Annual Trees Across Toronto Day where over 2,000 volunteers planted over 10,000 trees and shrubs.</p>
May 2008	<p>May was Bike Month with over 150 events.</p> <p>The City of Toronto received national recognition for its efforts in creating a green and sustainable city when it received a Federation of Canadian Municipalities-CH2M HILL Sustainable Community Award for its Arenas Energy Retrofit Project.</p> <p>Smart Commute, the region-wide commuting program of which the City was a co-founder and leading partner, won a Federation of Canadian Municipalities-CH2M Hill Sustainable Community Award in the category of transportation.</p> <p>Close to 100,000 Torontonians participate in the Green Toronto Festival where over 100 businesses and organizations profiled actions, services and products that people can access to help them live a more sustainable lifestyle. At the festival, over 800 Torontonians set a new world record for the largest bicycle bell ensemble being rung in melody.</p> <p>Official launch of the \$20 million, 5-year Live Green Toronto program at the Green Toronto Festival, which puts in place financial and human resources to assist neighbourhood and community groups in taking local action on climate change.</p> <p>Launch of the Toronto Solar Neighbourhoods Initiative pilot in the South Riverdale neighbourhood with the goal of seeing 150 households install solar thermal systems.</p> <p>Toronto in partnership with the City of Hamilton hosts the third-annual Green Fleet Expo where, Toronto unveiled the newest addition to its fleet - hydrogen buses. Toronto acquired three hydrogen internal combustion engine (H2ICE) buses through a partnership with Ford Motor Company of Canada, Limited.</p> <p>Toronto hosts the city's first-ever energy efficiency conference targeted at social housing providers. More than 400 employees, board members and tenants attended the one-day show, which featured 40 exhibitors &amp; 24 workshops.</p> <p>City Council approved its first-ever city-wide financial incentives program (Tax Increment Equivalent Grant – TIEG) to stimulate growth in key value-added economic sectors, including environmental. Eligible projects meeting the minimum requirements of the Green Development Standard can receive grants of up to 60 per cent of the tax increase resulting from new investment.</p>
June 2008	Mayor Miller named chair of the C40 group of cities addressing climate change.

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July 2008	Council unanimously adopts a Climate Change Adaptation Strategy – ‘Ahead of the Storm’. Emphasis is placed on the need to respond to impacts on our infrastructure and building stock resulting from changing weather patterns due to climate change that are different from what they were designed to accommodate.
August 2008	The City launches the Pedestrian Priority Phase at the intersection of Yonge and Dundas Streets. With the introduction of this new initiative, the City is giving priority status to pedestrians by allowing walkers to cross in any direction, including diagonally.
September 2008	City Council adopts the Mayor’s Tower Renewal Initiative.
October 2008	<p>October was the City’s first annual Walking Festival.</p> <p>City Council adopts a Local Food Procurement Policy directing City Staff to purchase locally produced food for City operations.</p> <p>Launch of the Solar Utility Model for City operations.</p> <p>City Council adopts Green Fleet Plans for Toronto Police, TTC, Emergency Medical Services (EMS) and Toronto Fire Services.</p> <p>The City in partnership with Centennial College hosts a forum for small businesses on how to green their business.</p> <p>Launch of the GreenSceneZ Video challenge for youth.</p>
November 2008	<p>Award of \$700,000 to the first round of Live Green Grants to neighbourhood and community group recipients.</p> <p>Launch of the Smart Commute Toronto – Central program, which will work with downtown employers to reduce single occupancy motor vehicle commuter trips.</p> <p>City launches the Green Bin Program to the first multi-unit residential buildings. Toronto’s innovative Green Bin initiative is now being phased in city-wide to more than 4,500 apartment buildings, condominiums and co-ops receiving City collection services.</p> <p>Official launch of the Sustainable Energy Funds with the unveiling of one of its funded projects – the geothermal project at Exhibition Place.</p> <p>TTC increases service with addition of 100 buses as part of its Ridership Growth Strategy.</p>
December 2008	<p>City Council adopts the Eco-Roof Incentive Program, the framework for a bylaw to require and govern the construction of green roofs in Toronto and a revised two tier Toronto Green Development Standard which will enhance implementation of the standard in new development.</p> <p>City Council adopts a plan and funding to complete the Bike Plan by 2012.</p> <p>City Council adopts the Environmental Reporting, Disclosure and Innovation Program. The program includes a bylaw, which, when fully implemented, will require businesses and City operations to publicly report their use and release of 25 hazardous chemicals that are in Toronto’s environment at levels of health concern.</p>

## **New Reports & Actions Coming in 2009**

While significant progress was made in 2007/08 in implementing the adopted recommendations of the Climate Change Action Plan, as mentioned earlier approximately 62% of the recommendations, while well underway still need to be completed. It is expected that all of the remaining recommendations will be completed in 2009 and the following highlights some of the more significant reports planned for presentation to City Council:

- 1) A strategy to green Toronto's Taxi Fleet;
- 2) Expanding the City's green purchasing activities;
- 3) Actions to reduce the environmental effects of two-stroke engines;
- 4) A strategy for expanding the Toronto Solar Neighbourhoods Initiative City-Wide;
- 5) A strategy to support and encourage an increase in food production within the City;
- 6) Reports evaluating the City's Hot Weather Response Plan, identifying populations most vulnerable in extreme heat events and proposing new policies, such as a shade policy;
- 7) Establishment of a zero or low interest loan program available to owners of ground related housing to help them implement energy efficiency retrofits and install renewable energy systems;
- 8) A Pedestrian Strategy;
- 9) An implementation strategy for the next phase of the Local Food Procurement Policy for City operations;
- 10) Report on urban forest canopy coverage;
- 11) Outcomes of the Mayor's Tower Renewal pilots;
- 12) A proposal outlining the agreement between the City and Toronto Hydro Energy Services to construct and operate a co-generation facility at the Ashbridges Bay Treatment Facility that will utilize the methane from the treatment facility for the generation of electricity;
- 13) A plan to stop businesses from leaving doors open while heating and cooling systems are operating;

- 14) Annual report on implementation of the Environmental Reporting, Disclosure and Innovation Program;
- 15) The Sustainable Energy Action Plan;
- 16) A district energy plan for the Westwood Theatre Lands;
- 17) Guidelines for transportation demand management in new developments;
- 18) An update on implementation of the Green Fleet Plan, Phase II;
- 19) A report on potential changes to the City's Idling Control Bylaw;
- 20) A bylaw to require and govern the construction of green roofs;
- 21) A new Development Charges By-law proposing a 20% refund for new development that achieves Tier 2 of the Toronto Green Standard;
- 22) A Green Sector/Renewable Energy International Marketing Plan for the City of Toronto; and
- 23) A report summarizing the outcomes and forecast outcomes of the environmental programs and projects presented by the City's Agencies, Boards, Commissions, Corporations and Divisions to the Parks and Environment Committee during 2007-09.

### **Other Milestones in 2009**

In addition to initiating a number of new actions, progress will be made on existing programs. Some key milestones for 2009 associated with those programs are:

- 1) Official Launch of the Eco-Roofs Incentive Program in the first quarter and award in 2009 of \$1.2 million in grants towards the construction of green roofs or cool (white) roofs on industrial, commercial and institutional buildings.
- 2) Award of \$2.2 million in Live Green funds to neighbourhood and community groups to help them take local action on climate change.
- 3) Award of \$23 million in zero interest loans through the Sustainable Energy Funds for 2008 committed and 2009 projected energy retrofits and installation of renewable energy systems on municipal, academic, school, hospitals and other not-for-profits buildings.
- 4) Official launch in February of the Live Green Toronto Community Animators and the services they will provide to assist neighbourhood and community groups in taking local action on climate change and air quality.



- 5) The 5<sup>th</sup> annual Green Toronto Awards on April 23 and premiere of the winners of the GreenSceneZ video challenge.
- 6) The City will officially open in April a full-service bicycle station at Union Station – this is the first of its kind in Toronto.
- 7) Toronto will host the EcoCar Challenge during the week of June 8. The EcoCar Challenge is sponsored by the U.S. Department of Energy, the Government of Canada and General Motors to work with engineering students from across the United States and Canada to develop the most fuel efficient vehicles possible.
- 8) On July 25/26 the City will close to vehicle traffic Yonge Street around Yonge-Dundas Square and hold its annual Live Green Toronto Festival.
- 9) Toronto will host the international Green Roofs Congress – Cities Alive! on October 19 to 22.
- 10) Toronto will host the Canadian Transportation Demand Management Summit on November 15 to 18.

## **Summary**

Significant progress has been made on the implementation of the recommendations contained in the Climate Change, Clean Air and Sustainable Energy Action Plan (the “Climate Change Action Plan”) adopted unanimously by City Council in 2007. Work has been initiated on almost all of the 68 detailed recommendations included in the Climate Change Action Plan, with 38% identified as completed.

While significant progress has been made, work remains to ensure completion of all of the recommendations, including implementation of policies and grants programs. Therefore, at this time it is too early to propose new actions linked to advancing the City’s work on climate change mitigation and adaptation. This will be the subject of subsequent follow-up staff reports.

Two reports to City Council are currently scheduled for April 2009, which will begin to identify the progress made on the reduction of greenhouse gas and smog causing emissions. The first is the report summarizing and quantifying where possible the climate change and air quality outcomes of the environmental programs and projects presented by the City’s Agencies, Boards, Commissions, Corporations and Divisions to Council’s Parks and Environment Committee in 2007/09.

The second is the Sustainable Energy Action Plan report, which will quantify the changes required in how we use, generate and distribute stationary (building related) energy in order to achieve the City’s greenhouse gas emission reduction targets.

In addition to these reports, City Staff will initiate a process for engaging residents, businesses and other stakeholders in discussion about the Toronto of 2050 when we have achieved the targeted 80% reduction in greenhouse gas emissions and what further needs to happen and change between now and then to achieve that vision. It is expected that those discussions will lead to a number of new recommendations for consideration by City Council in late 2009 or early 2010.

## **CONTACT**

Lawson Oates - Director, Toronto Environment Office  
Tel. 416-392-9744, E-mail: [loates@toronto.ca](mailto:loates@toronto.ca)

Jim Kamstra – Acting Director, Business & Strategic Innovation, Facilities & Real Estate  
Tel. 416-392-8954, E-mail: [jkamstra@toronto.ca](mailto:jkamstra@toronto.ca)

Mark Bekkering – Manager, Implementation & Support, Toronto Environment Office  
Tel. 416-392-8556, E-mail: [mbekker@toronto.ca](mailto:mbekker@toronto.ca)

## **SIGNATURE**

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Richard Butts  
Deputy City Manager

## **ATTACHMENTS**

Appendix A: Status Summary for the Climate Change, Clean Air and Sustainable Energy Action Plan Recommendations.

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1	<p>City Council adopt the following:</p> <p>a. reduction targets for greenhouse gas emissions from the 1990 levels of approximately 22 million tonnes per year for the Toronto urban area:</p> <p style="padding-left: 40px;">6% by 2012 (the “Kyoto target”); 30% by 2020; and 80% by 2050; and</p> <p>b. a 20% reduction target for locally generated smog causing pollutants from 2004 levels by 2012 for the Toronto urban area;</p>	Completed	Council adopted the targets in July 2007.
2	City Council establish the financial resources required to support the actions necessary to achieve these emission reduction targets and that City Council:	See Recommendations 2a to 2f	
(1) 2a.	endorse the creation of a \$42 million Toronto Energy Conservation Fund, to provide support for energy conservation initiatives in City facilities and buildings in the Municipal, University/College, School and Hospital (MUSH) sector and not-for-profit sector in Toronto, with implementation to commence in 2008;	Completed	<p>Fund was established in April 2008. More information about applying for a loan available at:  <a href="http://www.toronto.ca/energy/sef_info.htm">http://www.toronto.ca/energy/sef_info.htm</a>.</p> <p>Copy of the report presented to Council on the program guidelines can be found at:  <a href="http://www.toronto.ca/legdocs/mmis/2007/ex/bgrd/backgroundfile-8809.pdf">http://www.toronto.ca/legdocs/mmis/2007/ex/bgrd/backgroundfile-8809.pdf</a></p>

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			Between the Energy Conservation Fund and the Green Energy Fund (see recommendation 2b) loan agreements were established for 12 projects amounting to almost \$7.24 million. Projects funded include organizations, such as, Exhibition Place, Wychwood Barns, Green Phoenix and Toronto Artscape.
(2) 2b	endorse the creation of a \$20 million Toronto Green Energy Fund to provide support for renewable energy installations in Toronto, with implementation to commence in 2008;	Completed	Fund was established in April 2008. More information about applying for a loan available at: <a href="http://www.toronto.ca/energy/sef_info.htm">http://www.toronto.ca/energy/sef_info.htm</a> .  Copy of the report presented to Council on the program guidelines can be found at: <a href="http://www.toronto.ca/legdocs/mmis/2007/ex/bgrd/backgroundfile-8809.pdf">http://www.toronto.ca/legdocs/mmis/2007/ex/bgrd/backgroundfile-8809.pdf</a>
(3) 2c & 9c	endorse \$9 million for the continued implementation of Deep Lake Water Cooling at City Hall, Police Headquarters and Union Station;	Completed	Council has authorized the funds and these facilities are currently being connected to the deep lake water cooling system with completion targeted for 2010. More information can be found at: <a href="http://www.toronto.ca/ewmo/index.htm">http://www.toronto.ca/ewmo/index.htm</a> .
	authorize appropriate staff to negotiate a long-term agreement of up to 20 years with Enwave Energy Corporation in order to provide Deep Lake Water Cooling to City Hall, Police Headquarters and Union Station;		

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(4) 2d & 9b	endorse \$13 million for the continued implementation of energy efficiency and sustainability upgrades at City Hall and Nathan Phillips Square for the first phase of a sustainability showcase;	Completed	<p>Council has authorized the funds and a five-year plan has been developed and implementation started. More information can be found at: <a href="http://www.toronto.ca/npsquarecompetition/index.htm">http://www.toronto.ca/npsquarecompetition/index.htm</a>.</p> <p>For 2009, it is planned that the new green roof at City Hall will be opened during the summer.</p>
	authorize the Chief Corporate Officer to negotiate with Toronto Hydro Energy Services Inc. on a sole source basis to undertake the sustainability upgrades at City Hall (exclusive of the Deep Lake Water Cooling and the green roof), and report back as part of the 2008 capital budget process;		
(5) 2e	direct the Chief Corporate Officer to develop a plan to achieve the City's target of obtaining 25 percent of the City's electricity needs from green energy sources over a four year phase-in period starting in 2008;	In Progress	<p>At the Executive Committee meeting of November 10, 2008 a report was presented entitled, "Sustainable Energy Action Plan, Phase II". The report was referred back to City Staff and a follow-up report is scheduled for the April 2009 meeting of Executive Committee. Included in that report is recommended actions which address this recommendation. A copy of the November 2008 report can be found at: <a href="http://www.toronto.ca/legdocs/2008/agendas/ex.htm">http://www.toronto.ca/legdocs/2008/agendas/ex.htm</a>.</p> <p>The TTC has developed a RFP to purchase 5% of its electricity needs from green energy sources.</p> <p>At its March 31 – April 1, 2008 meeting to review the operating budget City Council committed to meeting the electrical needs of City Hall from green energy sources, starting July 2008.</p>

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(6) 2f	<p>direct the Deputy City Manager and Chief Financial Officer and Deputy City Manager to report back in relation to the initiatives included in Recommendation 2, as well as other initiatives for which the funding is yet to be determined, for consideration, as applicable, with the 2008-2012 capital budget and 2008 operating budget processes on the following:</p> <ul style="list-style-type: none"> <li>• cash flow requirements for the recommended capital program;</li> <li>• status of the other partnership initiatives and available funding;</li> <li>• establishment of appropriate revolving reserve funds;</li> <li>• framework for lifecycle costing, energy cost savings and criteria for payback of any loans;</li> <li>• proposed list of individual capital projects to be included in the 2008 Capital Budget and 2008-2012 Capital Plan; and</li> <li>• operating budget impacts</li> </ul>	Completed	Addressed in the reports prepared for recommendations 2a to 2e.

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(7) 3, 3i, 3ii & 3iii	City Council endorse an additional \$1 million for Tree Planting and Green Roof Initiatives to be funded from the Water Stabilization Reserve, in order to enhance retainment of rainwater and thereby reduce surface run-off and assist in the achievement of the climate change and clean air targets	Completed	<p>20% of the funds were allocated by the Toronto Parks and Trees Foundation for community tree planting organizations. Community organizations receiving funding included Local Enhancement &amp; Appreciation of Forests (LEAF), Treeing Harbord Village, Trees Davenport and Future Watch. More information about the foundation and this special funding program delivered in 2007 &amp; 2008 can be found at: <a href="http://www.torontoparksandtrees.org/2008grant_application.htm">http://www.torontoparksandtrees.org/2008grant_application.htm</a></p> <p>The other 80% of the funds were allocated in 2008 to naturalization plantings in ravines adjacent to watercourses and street trees across Toronto.</p>
	80 percent of the funds referred to in Recommendation 3. be allocated to the City of Toronto Tree Advocacy 2007 program to begin work this year for tree planting on public lands;		
	20 percent of the funds referred to in Recommendation 3. be allocated to a community tree planting organization (or organizations) with a proven track record of successful tree planting on private property and that to do this the Deputy City Manager, Cluster B, will issue public call for applications from community organizations with a proven track record of successful planting on private property and be authorized and actually award the funds by September 2007;		
	that a sum no greater than \$100,000.00 be set aside to administer this initiative by Forestry.		

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4	City Council help residents and building owners live more environmentally friendly lifestyles and that City Council:	See recommendations 4a to 4k.	
(8) 4a	<p>direct the Director, Toronto Environment Office to establish in 2007 the Live Green Toronto program, to support residents' groups, Business Improvement Areas and other neighbourhood agencies and community groups to green their own neighbourhoods through a range of programs, <i>and include a review of financial assistance and incentives, including revolving loan funds paid back from savings, to achieve overall energy reductions in the residential sector; and further, direct DCM Richard Butts to report to the Oct 29 '07 meeting of the Executive Committee on the feasibility of hiring 'zone planners' to assist neighbourhoods in implementing the following:</i></p> <ul style="list-style-type: none"> <li>• home energy retrofits;</li> <li>• green power generation, including rooftop solar and ground source heat pumps;</li> <li>• allotment/food gardens in parks and homes;</li> </ul>	Completed	<p>Council in November 2007 endorsed a five-year, \$20 million program, which was officially launched at the Green Toronto Festival in May 2008.</p> <p>More information at <a href="http://www.livegreentoronto.ca">www.livegreentoronto.ca</a>.</p> <p>The Live Green Toronto program encompasses:</p> <ul style="list-style-type: none"> <li>• the provision of funds to neighbourhood and community groups to invest in local climate change initiatives (a list of 2008 grant recipients can be viewed on the live green website);</li> <li>• the creation of the LiveGreenToronto website which provides a one stop summary of all resources available to assist people &amp; businesses in living green;</li> <li>• the Live Green Animators who are people able to assist neighbourhood and community groups in organizing collective action on local climate change initiatives; and</li> <li>• initiatives to encourage and catalyze residents and businesses into taking action on climate change.</li> </ul>



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	<ul style="list-style-type: none"> <li>• water conservation programs available through Toronto Water;</li> <li>• tree inventory and planting campaigns;</li> <li>• soft/green surface program;</li> <li>• identification of green roof projects;</li> <li>• promoting an efficient appliance purchase drive;</li> <li>• promoting incandescent free streets;</li> <li>• downspout disconnection drives; and</li> <li>• xeriscaping (low water needs ground cover to replace lawns);</li> </ul>		
(9) 4b	endorse the creation of energy retrofit funding programs to provide support to owners of low-rise residential buildings and other sectors (e.g. small businesses) for energy retrofits, in support of the Live Green Toronto program, subject to a report on program details, including legal implications of allowing other sectors to access the loan fund under the <i>City of Toronto Act, 2006</i> , and utilizing expert consultants to be sole-sourced as may be required;	In progress	The 2009 capital budget included a request for \$9 million over four years to fund and establish this program. City Staff are currently researching potential delivery mechanisms and will report to City Council in April or May 2009 on a recommended approach for delivering the program.
(10) 4c.	direct the Deputy City Manager to report in 2007 on the results of the research completed in partnership with E.R.A. Architects, the University of Toronto and the Canadian	In Progress	The Mayor provided a report to City Council in September 2008, which was endorsed. The City Manager is to establish a project office and report back by March 2009 on actions taken to implement four pilot projects.

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	Mortgage and Housing Corporation of a step-by-step implementation framework to maximize the potential greenhouse gas reductions, community revitalization, social justice and economic development benefits of the renewal of Toronto's concrete high-rise residential building stock;		A copy of the report presented by the Mayor can be found at: <a href="http://www.toronto.ca/legdocs/mmis/2008/ex/bgrd/backgroundfile-14989.pdf">http://www.toronto.ca/legdocs/mmis/2008/ex/bgrd/backgroundfile-14989.pdf</a>
(11) 4d	direct the Deputy City Manager and Chief Corporate Officer to convene a meeting in 2007 with representatives of the Federal and Provincial governments, Toronto Hydro, Enbridge, Enwave, private industry and environmental organizations to discuss the creation of a City-delivered, "one window" program for access to energy and other environmental programs, including the potential development of a one-stop website, and related policy issues;	In Progress	<p>The energy efficiency page of the City's web-site has a consolidated listing of all energy efficiency incentives and programs available to residents and businesses. It can be viewed at: <a href="http://spreadsheets.google.com/pub?key=ppunWItXsLCNJgUDCTFPVVQ">http://spreadsheets.google.com/pub?key=ppunWItXsLCNJgUDCTFPVVQ</a></p> <p>20/20 The Way to Clean Air campaign connector webpages links residents to incentives and programs to reduce their home and vehicle use by 20%. It can be viewed at: <a href="http://www.toronto.ca/health/airquality/2020">http://www.toronto.ca/health/airquality/2020</a>.</p> <p>The Live Green Toronto web-site launched in May 2008 provides a one-stop shop for residents on environmental incentives and resources. It is can be viewed at <a href="http://www.livegreentoronto.ca">www.livegreentoronto.ca</a>. In early 2009, this website will also include a one-stop shop for small businesses.</p> <p>Work will begin in 2009 on developing a coordinated one-window storefront bringing together Municipal, Provincial and Federal programs.</p>
(12) 4e & 4f	direct the Chief Building Official on behalf of City Council to immediately seek the required authority from the Province of Ontario that will allow the City in 2007 to:	In progress	Senior staff have met with representatives of the Province and requested that the province permit Toronto to fast track the 2012 energy and sustainability requirements of the Ontario Building Code. This request has

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	<ul style="list-style-type: none"> <li>require in new construction in Toronto the energy efficiency requirements of the Ontario Building Code which do not come into effect until 2012; and</li> <li>develop a more aggressive package of code changes to require sustainable design in new construction by 2010;</li> </ul> <p>direct the Chief Planner in consultation with Chief Building Official to update the Toronto Green Development Standard to reflect the changes in recommendation 4(e) and, to address elements not covered by the Ontario Building Code, use the authority under the <i>City of Toronto Act, 2006</i> to require sustainable design and zoning with conditions, once the Regulations related to these new powers are issued and associated amendments to the City's Official Plan are enacted;</p>		<p>been reinforced by letters from the Mayor to the Minister of Municipal Affairs and Housing. To date the province has provided no indication of intent to fast track the 2012 measures.</p> <p>At its meeting of December 1 &amp; 2, 2008 City Council adopted recommendations that all Tier One performance measures of the Toronto Green Standard be required in all new development and that incentives, such as a development charge rebate and other approaches be taken to achieve the Tier Two performance measures. The full report can be viewed at <a href="http://www.toronto.ca/legdocs/mmis/2008/pg/bgrd/backgroundfile-16862.pdf">http://www.toronto.ca/legdocs/mmis/2008/pg/bgrd/backgroundfile-16862.pdf</a>.</p>
(13) 4g	direct the Chief Building Official in consultation with the Chief Planner to bring forward new standards to require and regulate green roofs in the City, as a means of making this component of the Green Development Standard mandatory;	In progress	<p>At the November 13, 2008 Planning and Growth Management Committee meeting a report was presented requesting authority to hold public consultations on a proposed bylaw. The full report can be viewed at <a href="http://www.toronto.ca/legdocs/mmis/2008/pg/bgrd/backgroundfile-16784.pdf">http://www.toronto.ca/legdocs/mmis/2008/pg/bgrd/backgroundfile-16784.pdf</a>.</p> <p>Public consultations are currently underway and report with a bylaw for consideration by Council is planned for April 2009.</p>

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(14) 4h	direct the Executive Director of Municipal Licensing and Standards to integrate into any rating systems developed for rental residential units an environmental performance rating based on compliance or non-compliance with the City's Green Development Standard;	In progress	At its meeting of December 1 & 2, 2008 City Council launched the Regulatory Strategy for Multi-Residential Buildings. This program, as it matures and gets established offers the opportunity to eventually address this recommendation of the Climate Change Action Plan. The full report about the Regulatory Strategy can be viewed at <a href="http://www.toronto.ca/legdocs/mmis/2008/ex/bgrd/backgroundfile-16628.pdf">http://www.toronto.ca/legdocs/mmis/2008/ex/bgrd/backgroundfile-16628.pdf</a> .
(15) 4i	direct the Chief Corporate Officer, in consultation with the Chief Building Official and the Chief Planner to develop a voluntary Energy Performance Labelling system for low-rise residential buildings, in conjunction with Natural Resources Canada and other partners and coordinated with the Green Development Standard labelling system currently under development;	In Progress	<p>City Staff are meeting with Provincial officials because this initiative may not be necessary depending on the content and outcomes of proposed Provincial Legislation currently in second reading (Bill 101). Separate from those discussions, the City is currently working with NRCan on a pilot energy labelling system for commercial buildings and City Staff are developing a potential label based on the Toronto Green Standard that could be applied to new construction.</p> <p>In addition, discussions have started between City Staff and the Toronto Real Estate Board about a potential labelling system for ground related housing but they have been put on hold pending the outcome of the proposed Provincial Legislation.</p>
(16) 4j & 4k	direct the Executive Director of Municipal Licensing and Standards, in consultation with the Medical Officer of Health to report back in 2008 on a plan to potentially ban the use of two stroke engines in powering home and garden equipment by 2010	In Progress	An external consultant was retained in October 2008 and will prepare a report summarizing options and issues by January 2009. City Staff will then engage the community and relevant businesses in a discussion on issues and options and will report to Council in September or October, 2009.

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	Direct the General Manager, Parks, Forestry & Recreation to report to Council, on how the change to two-stroke engines and leaf blowers can be phased in to address both the lawn service companies and residents;		This report is being coordinated with the response to recommendation 9i.
5	City Council recognize the important role the industrial, commercial and institutional sectors play in the city's local economy, the fact that over one-third of the greenhouse gas emissions come from these sectors and the directions of the City's Green Economic Development Strategy and that City Council:	See recommendations 5a to 5d, 15(iii), and 16.  <b>Note:</b> In July 2007 City adopted a Green Economic Development Sector Strategy which can be viewed at <a href="http://www.toronto.ca/business/green-economic-development.htm">http://www.toronto.ca/business/green-economic-development.htm</a> .	
(17) 5a & 15(iii)	establish an Eco-Roofs Program, that sets a minimum target of 10% of the total industrial, commercial and institutional roofspace located in Toronto made more environmentally friendly by 2020, and that integrates: <ul style="list-style-type: none"> <li>the City's successful Green Roof Incentive program;</li> <li>incentives and programs to help with the installation of renewable energy systems (e.g. solar); and</li> <li>programs to encourage the installation of</li> </ul>	Completed.	Council in November 2007 endorsed a five-year funding plan of \$2.4 million to establish the Eco-Roof Incentive Program which will provide grants for the installation of green roofs and cool roofs on industrial, commercial and institutional buildings.  At its meeting of December 1 & 2, 2008 City Council adopted a report outlining the Eco-Roof program grant criteria and its administration. Applications for grants will be accepted starting in February 2009, with the first round of recipients to be announced in April or May 2009. The full report can be viewed at <a href="http://www.toronto.ca/legdocs/mmis/2008/pg/bgrd/backgroundfile-16869.pdf">http://www.toronto.ca/legdocs/mmis/2008/pg/bgrd/backgroundfile-16869.pdf</a> .

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	alternative roofing technologies that help address the urban heat island issue; <ul style="list-style-type: none"> <li>develop a strategy for funding green roofs.</li> </ul>		<p><b>Note:</b> Toronto will host in October 2009 the International Green Roofs Congress: Cities Alive! <a href="http://www.citiesalive.org/">http://www.citiesalive.org/</a></p> <p><b>Note:</b> At its May 2008 meeting City Council approved the establishment of Tax Increment Equivalent Grant program which provides a grant of up to 60 per cent of the tax increase resulting from new investment. More information is available at: <a href="http://www.toronto.ca/business/tax-increment-equivalent-grant.htm">http://www.toronto.ca/business/tax-increment-equivalent-grant.htm</a>. To receive a grant projects must comply with the Toronto Green Standard.</p>
(18) 16	the General Manager of Economic Development, Culture and Tourism be requested to submit a report to the Executive Committee on the “Design District Community Energy Centre”.	In Progress	
(19) 5b	direct the General Manager of Economic Development, Culture and Tourism to develop a business plan for a model green-industry business park;	In Progress	The Toronto Region Conservation Authority is leading the development of the Eco-Industrial Zone for the industrial area around the Pearson Airport including the area in western Toronto, Brampton, and Mississauga. The City of Toronto is a key partner in this initiative. More information is available at: <a href="http://www.partnersinprojectgreen.com/">http://www.partnersinprojectgreen.com/</a> .
(20) 5c	establish in 2007 an Enviro-Business Working Group, with appropriate partners, for small businesses to create a comprehensive environmental efficiency and improvement program that offers comprehensive pollution prevention and water / energy efficiency support;	In Progress	Initial steps taken to establish a multi-stakeholder ‘Green Manufacturing Team’.

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(21) 5d	establish in 2007 an Enviro-Food Working Group to develop and implement actions to promote local food production, review City procurement policies <i>and upcoming contracts</i> , increase community gardens and identify ways to remove barriers to the expansion of local markets that sell locally produced food;	In Progress	<p>In July 2008 the Board of Health initiated work on a ‘<i>Food Strategy</i>’ for the city and this initiative is being led by a multi-stakeholder steering committee and a report to the Board of Health will be made in 2009.</p> <p>Utilizing school board lands as a case study, the City in partnership with York University and the Toronto District School Board will complete in January 2009 a proposal for establishing small scale urban farms on school board lands.</p> <p>In September 2008 an internal staff working was established to identify and present recommendations for addressing the regulatory and policy barriers and issues associated with expanding food production within City boundaries. On February 5, 2009 the Parks and Environment Committee will hear expert presentations on this issue. A staff report will be presented to City Council in mid-2009.</p> <p>The City has already established the Black Creek Urban Farm, which serves as a model for urban farming activities.</p> <p>The “Enviro-Food Working Group” will not be established because it has been superseded by the following: The Food Strategy initiative which addresses the program content of the working group; the process started by the Parks &amp; Environment Committee to look at food production issues; and City Council has adopted a Local Food Procurement Policy see recommendation 5(d) below.</p>
(22) 5d(i) & 5d(ii)	<i>immediately review upcoming food service contracts with the intent of a minimum of 10% locally grown food purchase;</i>	In Progress	At its meeting of October 29 & 30, 2008 City Council adopted a Local Food Procurement Policy, directed City Staff to utilize Children’s Services as the case study and directed City Staff to report on an implementation

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	<i>the Enviro-Food WG immediately begin to develop a plan with Children's Services for including locally grown food in all City-owned daycare centres;</i>		plan for all City operations prior to the 2010 budget process. A copy of that report can be viewed at <a href="http://www.toronto.ca/legdocs/mmis/2008/gm/bgrd/backgroundfile-16137.pdf">http://www.toronto.ca/legdocs/mmis/2008/gm/bgrd/backgroundfile-16137.pdf</a> .  The report on an implementation plan will be presented in May 2009.
(23) 5.1	The Executive Director, Municipal Licensing and Services, in consultation with the City Solicitor, submit a report to the Licensing and Standards Committee, on or before the Committee's scheduled meeting of Oct 5, 2007, that identifies potential legal strategies and mechanisms, including a potential regulatory bylaw, to address the environmentally-regressive practice of a growing number of retail establishments running air-conditioners while keeping their storefront doors and/or windows open.	In Progress	City Staff are currently exploring options and approaches and will report to City Council in mid-2009.
(24) 6	City Council direct the Chief Corporate Officer in consultation with the Chief Planner to report to the Executive Committee in 2007 on a process for developing an integrated approach for community energy planning based on community energy zones.	In Progress	Council directed that community energy planning be included in the Westwood Theatre Lands , Lawrence Allen and Downsview sites. These plans are currently underway in conjunction with the planning process for these sites.
(25) 6a	<i>That City Council endorse a green energy strategy, which eliminates the need for a third electricity transmission line into the City.</i>	In Progress	A report was submitted to the June 26, 2008 Executive Committee meeting seeking authority for the City to have intervener status at the Integrated Power System Plan hearings which deals with expansion of the electricity



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			transmission systems. A copy of the report can be viewed at <a href="http://www.toronto.ca/legdocs/mmis/2008/ex/bgrd/backgroundfile-13841.pdf">http://www.toronto.ca/legdocs/mmis/2008/ex/bgrd/backgroundfile-13841.pdf</a>
7	City Council support the development of renewable energy systems, by building policies that support more aggressive installation targets that will put Toronto on par by 2020 with the cities around the world currently leading the way in generating energy from local renewable energy systems (e.g., Germany's target for 2020 is 27% of energy coming from renewable sources and California's target is 25% by 2017 and that City Council:	See recommendations 7a to 7k, 7.1 and 7.2	
(26) 7a	direct Deputy City Manager and Chief Corporate Officer to issue in 2007 a request for an expression of interest to the renewable energy business sector in order to identify potential approaches to develop renewable energy systems (e.g., solar, wind, geothermal and biogas) for approximately 1,500 City buildings and landfill sites;	Completed	<p>In November 2007, City Council adopted a report recommending a solar utility model as a way of increasing renewable energy use in City facilities. A copy of that report can be viewed at <a href="http://www.toronto.ca/legdocs/mmis/2007/gm/bgrd/backgroundfile-7973.pdf">http://www.toronto.ca/legdocs/mmis/2007/gm/bgrd/backgroundfile-7973.pdf</a>. In October 2008, the City selected two companies to implement the 'solar utility model' where the company installs solar thermal systems on City buildings at no capital cost to the City and the City purchases the metered solar thermal energy.</p> <p><b>Related reports:</b> In May 2008 Council received an information report on the feasibility of a geothermal energy utility model similar to the solar thermal energy utility model. The report can be viewed at: <a href="http://www.toronto.ca/legdocs/mmis/2008/gm/bgrd/backgroundfile-12660.pdf">http://www.toronto.ca/legdocs/mmis/2008/gm/bgrd/backgroundfile-12660.pdf</a></p>

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(27) 7b	direct the Chief Corporate Officer in collaboration with the Toronto Atmospheric Fund and Toronto Public Health, to develop a pilot program for residential solar hot water heating, and report in 2007 on the resources required to implement this program;	Completed	The Toronto Solar Neighbourhoods Initiative pilot program was launched on May 30, 2008 in the South Riverdale neighbourhood. A report will be presented in mid-2009 evaluating the pilot and making recommendations for potential expansion of the program city-wide. More information about the pilot program can be viewed at <a href="http://www.solarneighbourhoods.ca/">http://www.solarneighbourhoods.ca/</a>
(28) 7c	direct the Chief Corporate Officer to develop a pilot solar heating program for privately owned swimming pools, and report back in early 2008 on the resources required to implement this program;	In Progress	Opportunities for this program will be reported on as part of the report being prepared under recommendation 7b
(29) 7d	direct the Chief Planner to prepare in 2007 a Renewable Energy By-law (Phase I) that will permit renewable energy generation as-of-right on all residential properties, setting appropriate restrictions on height, size and placement of structures and including changes required to waive building permit fees for residential PV solar energy installation;	Completed	At its meeting of March 3 & 4, 2008 City Council adopted a zoning bylaw amendment allowing the installation of renewable energy systems on residential properties. A copy of that report can be viewed at <a href="http://www.toronto.ca/legdocs/mmis/2008/pg/bgrd/backgroundfile-10467.pdf">http://www.toronto.ca/legdocs/mmis/2008/pg/bgrd/backgroundfile-10467.pdf</a> .
(30) 7e	direct the Chief Planner, in consultation with the City Solicitor, Chief Building Official and the Renewable Energy Action Plan Working Group to prepare recommendations on how to address the following issues concerning renewable energy generation:	In Progress	Many of the issues will be addressed through the preparation of the Sustainable Energy Plan – see recommendation 14e below.

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	<ul style="list-style-type: none"> <li>standards for the placement, orientation, size and form of renewable energy technologies;</li> <li>options to protect access to solar and wind resources from property owners who have installed renewable energy equipment;</li> <li>permissive regulations for district-based energy distribution between multiple properties; and</li> <li>provide guidance with respect to potential issues of conflict around tree protection and installation of renewable energy systems;</li> </ul>		
(31) 7f, 7g & 7h	<p>direct the Deputy City Manager to form an interdivisional and inter-agency steering committee to prepare in 2007 an interim report that addresses technical, financial, and service delivery options:</p> <ul style="list-style-type: none"> <li>to expand the existing deep lake water cooling capacity by 20 percent; and</li> <li>to establish a long-term plan with the goal of doubling the existing capacity of deep lake water cooling;</li> </ul>	In Progress	Preliminary discussions have started and City Council has approved \$100,000 towards the hiring of external expertise to assist in this evaluation.

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	<p>authorize the Deputy City Manager to take all expedient steps, including a modified procurement process involving consideration of a minimum of three candidates identified by the Director, Toronto Environment Office, in order to hire a consultant to conduct a technical feasibility study on Deep Lake Water Cooling with a budget of approximately \$75,000, inclusive of all charges and taxes (funds in the amount of \$75,000 have been included in the 2007 Operating Budget of the Toronto Environment Office (WT0038-4100) as approved by City Council), on terms and conditions satisfactory to the Deputy City Manager and in a form satisfactory to the City Solicitor;</p> <p>direct the Deputy City Manager to include in the scope of the steering committee on expanding Deep Lake Water Cooling capacity, the identification of opportunities on an inter-agency basis for the introduction of new renewable energy technologies;</p>		
(32) 7i	City staff report back in 2007 on higher early targets for the installation pace of solar PV and solar thermal technology and build policies that support more aggressive installation (for example, strengthening incentive programs for early adopters.)	In Progress	Many of the issues will be addressed through the preparation of the Sustainable Energy Plan – see recommendation 14e below.

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(33) 7j	City staff report back in 2007 with an assessment of geo-thermal options for Toronto and include a kit for potential residential, institutional and industrial adopters. Such reports also include an analysis of the future possible applications of hydrogen cell technology.	In Progress	City Staff has initiated a stakeholder consultation process that will ascertain the means that the City can employ to facilitate and promote geo exchange implementation. Included is the use of publicly owned lands such as road allowance, parks and parking lots.
(34) 7k	City staff report back in 2007 on possible City strategies to promote energy efficient appliances.	In Progress	This is being integrated into the Live Green Toronto program.  <b>Note:</b> the Province currently provides a financial incentive for the purchase of energy efficient appliances.
(35) 7.1 & 7.2	The 2007 approved capital budget for Exhibition Place be amended by the addition of a project, “Press Building – Geothermal Project” for a total project cost of \$525,000 with funding provided from the TAF grant (\$147,000), the Toronto Green Energy Fund (\$328,000) and the Exhibition Place 2007 approved capital budget, capital from current funding (\$50,000), for a zero net impact and:  <ul style="list-style-type: none"> <li>cash flow of \$100,000 in 2007, funded from the TAF grant (\$50,000) and the</li> </ul>	Completed	This project was officially unveiled in November 2008. More information available at <a href="http://www.explace.ca">www.explace.ca</a> .

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	<p>2007 Exhibition Place capital budget capital from current funding (\$50,000) for a zero net impact; and</p> <ul style="list-style-type: none"> <li>future year commitment of \$425,000 in 2008, funded from the TAF grant (\$97,000) and the Toronto Green Energy Fund (\$328,000) for a zero net impact</li> </ul> <p>Appropriate Green Energy Fund payback criteria be reflected in the 2008 and future Operating Budget submissions for the Exhibition Place</p>		
8	City Council recognize that approximately one-third of the locally generated greenhouse gases and a significant portion of smog causing pollutants come from the operation of motor vehicles and that over one-half of the comments received during the public engagement process expressed a desire to see a more sustainable transportation system, and that City Council:	See recommendations 8a to 8g.	
(36) 8a	direct the initiation of appropriate environmental and engineering studies for the Transit City plan and request the General Manager of the Toronto Transit Commission to submit to Executive Committee in 2007 a schedule for the completion of aforementioned studies and a financial plan including funding sources and revenue tools;	Completed	<p>All projects related to Transit City LRT lines, Maintenance and Storage Facilities, and Vehicles have been included in the City's Capital Budget.</p> <p>More information on the status of these studies can be found at <a href="http://www.toronto.ca/involved/projects/transit_city/index.htm">http://www.toronto.ca/involved/projects/transit_city/index.htm</a>. or <a href="http://www.toronto.ca/legdocs/mmis/2008/bu/bgrd/backgroundfile-17172.pdf">http://www.toronto.ca/legdocs/mmis/2008/bu/bgrd/backgroundfile-17172.pdf</a>.</p>

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(37) 8b	direct the General Manager of Transportation Services and General Manager of Parks, Forestry and Recreation to report in 2007 on the actions and resources required to complete the infrastructure elements of the Bike Plan by the end of 2012, in particular expanding the existing network of bike lanes and trails from over 300 kilometres to 1,000 kilometres, with a timetable that establishes annual expansion objectives;	Completed	<p>City Council in December 2007 increased the capital budget for the bike plan by 18.4% for 2008.</p> <p>As part of its 2009 to 2013 Capital Budget, City Council on December 10, 2008 approved the financial resources required and a plan to complete the bike network outlined in the Bike Plan by 2012. Information about the Bike Plan can be viewed at <a href="http://www.toronto.ca/cycling/bikeplan/index.htm">http://www.toronto.ca/cycling/bikeplan/index.htm</a>.</p>

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(38) 8c & 9n	<p>prepare in 2007 a Sustainable Transportation Implementation Strategy, that draws from and is consistent with existing policies and plans (e.g. the Official Plan; the Bike Plan; Transit City Plan; the TTC Ridership Growth Strategy; and the Walking Strategy) to achieve the greenhouse gas emission and smog emission reduction targets by including:</p> <ul style="list-style-type: none"> <li>the articulation of a long-term vision of a sustainable transportation system which achieves the targeted emission levels while meeting the economic needs of the city;</li> <li>the identification and prioritization of short-term transportation projects that will accelerate the achievement of the City's sustainable transportation agenda; and</li> <li>the creation of a Strategic Transportation Planning Group, comprised of the Chief Planner, the General Manager of Transportation Services, the Chief General Manager of the TTC, the President of the Toronto Parking Authority, the Managing Director of GO Transit and the Director of the Toronto Environment Office, to establish</li> </ul>	In Progress	<p>At its meeting of October, 2007 City Council approved a report entitled, "the Sustainable Transportation Short Terms Initiatives". The report can be viewed at:  <a href="http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7193.pdf">http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7193.pdf</a>.</p> <p>At the June 4, 2008 Planning and Growth Management Committee City Staff presented an information report that outlined progress being made to reduce emissions in the transportation sector and the challenges faced in achieving a reductions that would help achieve the long term target of an 80% reduction in greenhouse gases. The report articulates that a static one time strategy document won't be developed but rather efforts will be made on an ongoing basis, within the context of existing strategies, to achieve the changes required in the transportation sector. A copy of this report can be viewed at:  <a href="http://www.toronto.ca/legdocs/mmis/2008/pg/bgrd/backgroundfile-13095.pdf">http://www.toronto.ca/legdocs/mmis/2008/pg/bgrd/backgroundfile-13095.pdf</a></p> <p>Existing City strategies include: the Official Plan, Transit City, and the Ridership Growth Strategy. On a regional or GTA scale Metrolinx's recently released transportation plan outlines a long term vision for a region-wide sustainable transportation system.</p> <p><b>Note:</b> The City has retained external expertise to conduct a study of high-rise, residential buildings that provide parking spaces for car share vehicles for the purposes of measuring the effect of car sharing on demand for parking and potential amendments to the zoning by-law. This study will be</p>



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	<p>priorities and oversee the coordination of the planning, implementation and operation of the City's sustainable transportation system;</p> <p>staff be requested to submit a report to the Executive Committee with respect to:</p> <ul style="list-style-type: none"> <li>a. providing reserved, on street parking (like taxi stands or French fry vendor spaces);</li> <li>b. allowing informational signage at any "Green P" lots equipped with shared cars;</li> <li>c. allowing City employees to use car sharing for work-related trips;</li> <li>d. exempting (or refund) shared vehicles from new parking and registration taxes; and</li> <li>e. mandating (above ground) shared-car parking into new developments.</li> </ul>		<p>completed in 2009.</p> <p>Staff are currently reviewing the Idling Control Bylaw and gathering input into possible revisions to the bylaw. A report to the Board of Health on possible improvements to the bylaw will be presented in 2009. A report on the process to improve the bylaw can be viewed at:  <a href="http://www.toronto.ca/legdocs/mmis/2009/gm/bgrd/backgroundfile-18167.pdf">http://www.toronto.ca/legdocs/mmis/2009/gm/bgrd/backgroundfile-18167.pdf</a>.</p>
(39) 8d	direct the Director of the Toronto Environment Office working with the Director of Fleet Services to create in 2007, a Greening Commercial Fleets Enviro-Action Working Group consisting of representatives of the National Association of Fleet Administrators and operators of large fleets in the areas of phone, cable, utilities, retail and courier providers to work together to identify and implement actions that green these fleets and achieve a reduction in emissions city-wide;	In Progress	Interest in establishing this working group was explored but was limited. Further discussions being scheduled for 2009.

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(40) 8e	direct the Executive Director of Municipal Licensing and Standards to develop a program for shifting all taxis and limousines operating in the City to low emission or hybrid technologies by 2015 or earlier, based on the results of the Green Taxi Pilot;	In Progress	<p>The Toronto Atmospheric Fund has funded a one-year Green Taxi pilot placing 10 hybrid taxis on the road with various cab companies. Results will be available in early 2009.</p> <p>A report to Executive Committee outlining a greening strategy for the taxi industry is planned for May 2009.</p>
(41) 8f	<p>continue to encourage the Provincial and Federal Governments to develop the policies and programs and to provide the funding necessary to help Toronto achieve a sustainable transportation system that will maintain a high quality of life and result in an 80% reduction in greenhouse gas emissions by 2050. Of particular concern to the City are:</p> <ul style="list-style-type: none"> <li>• vehicle engine and fuel standards that will reduce emissions;</li> <li>• financial incentives to utilize public transit;</li> <li>• stable and secure funding for the operation and expansion of public transit systems; and</li> <li>• management of urban growth and development in a manner that creates a high quality of life and encourages people to select alternative modes of transportation;</li> </ul>	Ongoing	<p>Most recently, City Council in its submission to the Federal Government highlighted that it would place a priority on investing in public transit and would like to see the Federal Government make those investments in the January 2009 Federal Budget.</p>

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(42) 8g	work with the Province, the Greater Toronto Transportation Authority and GTA municipalities to investigate a road pricing regime for the GTA that will encourage people to utilize alternative modes of transportation and dedicate any funds raised to transit improvements;	In Progress	See recent release by Metrolinx of its draft Greater Toronto/Hamilton Area Transportation Plan. More information about this plan can be viewed at <a href="http://www.metrolinx.com/default.aspx">http://www.metrolinx.com/default.aspx</a> .
9	City Council build upon its success in reducing greenhouse gas emissions from City operations by over 30% since 1990 and that City Council:	See recommendations 9a to 9n.	
(43) 9a	direct the General Manager of Transportation Services to include in the 2008 Capital Budget submission an allocation (estimated at \$7 million) to move the entire street sweeper fleet to new technology, based upon the success of the Clean Roads to Clean Air program, where new street sweepers have been shown to collect over 90% of the particulate matter found on roads and improve street level air quality by as much as 20%;	Completed	The 2008 Capital Budget included an allocation of \$7 million to replace the balance of the existing street sweeper complement with new technology sweepers. As of December 2008, all Street Sweepers flagged for replacement have been replaced with sweepers using the regenerative technology.

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(44) 9d	direct the phase out the use of incandescent light bulbs wherever possible by the end of 2008, in all City Divisions, Agencies, Boards and Commissions as part of their ongoing maintenance program and that the Executive Director of Facilities and Real Estate ensure that City facilities have a program for the environmentally appropriate disposal of old lights and fixtures;	In Progress	<p>In May 2008 all facility operations staff in the City's Agencies, Boards, Commission and Divisions were advised of this direction and action continues on replacing incandescent bulbs wherever possible. City Staff are also currently in the process of testing the new LED lamps including spot lights (MR16) and dimmable technology to replace the halogen type lamps.</p> <p><b>Note:</b> Toronto Hydro has funded the social housing incandescent light bulb replacement program where, by December 2008, 56,900 light bulbs were replaced in 96 social housing units.</p>
(45) 9e & 9k	complete in 2007, Phase II of the Green Fleet Transition Plan, which will build upon the successful Phase I plan that resulted in an estimated 23% reduction in greenhouse gas emissions from the City's almost 4,000 vehicles;	Completed	<p>At its meeting of March, 2008 City Council approved Phase II of the Green Fleet Plan. At that time it was reported that implementation of Phase I has resulted in a reduction of approximately 5,000 tonnes in greenhouse gas emissions. More information about the City's Green Fleet Plan can be found at <a href="http://www.toronto.ca/fleet/gfp_08_11.htm">http://www.toronto.ca/fleet/gfp_08_11.htm</a>.</p> <p><b>Note:</b> The Idle Free campaign targeting City Staff operating city vehicles was launched in late 2007 and continues today.</p>
	direct that all future contracts that require a proponent to provide and make extensive use of heavy and light duty vehicles, contain components that outline fuel efficiency and green fleet requirements for those vehicles and that direction is provided concerning no idling;		

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(46) 9f & 15(ii)	<p>direct the Executive Fleet Steering Committee to develop by mid-2008 a consolidated Green Fleet Plan for the TTC, Emergency Medical Services, Toronto Fire, Toronto Police and other Agencies, Boards, and Commissions for fleets not included in the Phase I Green Fleet Transition Plan and include in that plan actions to eliminate unnecessary idling of City vehicles through the City's Anti-Idling Campaign;</p> <p>report on the specific plans and actions in progress in greening the fleet in all Agencies, Board, Commissions and Divisions; and</p>	Completed	<p>At its meeting of October 29 &amp; 30, 2008 City Council adopted a Green Fleet Plan which included TTC, Emergency Medical Services, Toronto Fire Services and Toronto Police Services. The report can be viewed at <a href="http://www.toronto.ca/legdocs/mmis/2008/ex/bgrd/backgroundfile-15920.pdf">http://www.toronto.ca/legdocs/mmis/2008/ex/bgrd/backgroundfile-15920.pdf</a>.</p>
(47) 9g	reduce single occupancy motor vehicle home to work trips made by City employees by ensuring adequate resources are in place to support the Smart Commute program for the Toronto Public Service;	Completed	<p>A Smart Commute program for City employees is in place. More information available at <a href="http://www.toronto.ca/environment/transportation.htm#smart_commute">http://www.toronto.ca/environment/transportation.htm#smart_commute</a>.</p> <p>In addition, on November 7, 2008 the City, in partnership with Metrolinx launched Smart Commute Toronto - Central which provides Smart Commute services to employers in the central area of the City. More information is available at <a href="http://www.smartcommutetoronto.ca/">http://www.smartcommutetoronto.ca/</a>.</p> <p><b>Note:</b> In November 2009, the City will host the Transportation Demand Management Summit. Information about the summit can be viewed at: <a href="http://www.actcanada.com/EN/default.aspx">http://www.actcanada.com/EN/default.aspx</a>.</p>

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(48) 9h	<p>direct the Acting General Manager of Solid Waste Management to report in 2007 on:</p> <ul style="list-style-type: none"> <li>plans to collect and utilize landfill gas at the recently acquired Green Lane Landfill site; and</li> <li>plans to utilize digester gas from the City's anaerobic digestion facilities that process organic materials collected through the Green Bin program;</li> </ul>	Completed	<p>City Council in 2007 approved plans for the development of anaerobic digestion facilities at two City owned yards. It is estimated that the anaerobic digestion of 110,000 tonnes per year of SSO could produce over 12 million cubic metres of biogas annually, which could produce approximately 25,000 MWh per year of electricity. This is equal to the annual electricity consumption of approximately 1,700 homes.</p> <p>Discussions are currently underway with Toronto Hydro Energy Services for the design and installation of a methane gas energy system to be in operation by 2010 or when there is sufficient supply at the Green Lane Landfill site.</p>
(49) 9i	<p>direct the General Manager of Parks, Forestry and Recreation and the General Manager of Transportation Services to report back on a proposal to phase out the use of equipment powered by two stroke engines (for example leaf blowers and lawn mowers) by 2009, by continuing to develop and establish landscaping and maintenance techniques that eliminate the need for equipment powered by small engines and shifting to the use of equipment powered by alternative technologies;</p>	In progress	<p>An external consultant was retained in October 2008 and will prepare a report summarizing options and issues by January 2009. City Staff will prepare a strategy and report to Council in 2009 on a "green" equipment replacement strategy, including "green" landscape design and maintenance techniques, as part of the Parks Service Plan.</p>

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(50) 9j	direct the Director of Purchasing and Materials Management, in consultation with appropriate City divisions, to review the City's Environmental Purchasing Policy, and report back to the Executive Committee in 2007 on any recommended changes to the policy;	In progress	Work was initiated in 2008 and a report will be presented to City Council by May 2009.
(51) 9l	direct the Executive Director of Facilities and Real Estate and the General Manager of Economic Development, Culture and Tourism, with support of the Director of Purchasing and Materials Management, to organize a "Green Vendors Fair" (consistent with recommendations in the City's Green Economic Sector Development Strategy), for providers of products and services that improve the energy performance of buildings in all major building sectors, and such event be open to all City Divisions and Agencies, Boards, Commissions and Corporations and to others by invitation;	In progress	Being discussed as part of recommendation 9j.
(52) 9m	The GM of SWM Services with the support of the City Solicitor, be authorized to negotiate and execute an Agreement between the City of Toronto, the TRCA and Toronto Hydro Energy Services Inc., to install and operate electrical generation equipment to	In Progress	Investigations by City Staff and Toronto Hydro determined that it is not feasible to utilize the methane gas at the Thackeray Landfill to generate electricity. To reduce the greenhouse effect of the methane a system to capture and flare the landfill gases will be installed.

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	<p>utilize methane from the Thackeray Landfill Site and, subject to successful execution of an Agreement, Council:</p> <ul style="list-style-type: none"> <li>• authorize TAF's grant to THESI of \$300,000 for support of the Thackeray Generation Project, hence waiving Section 11.12.4 of the TAF Relationship Framework, which stipulates that "for profit entities are not eligible to receive TAF grants", provided that an agreement, resulting from discussions described in Part II., below, has been reached; and</li> <li>• direct the Chief Financial Officer to explore with THESI and TAF, ways to ensure that TAF's additional no-interest loan to THESI of \$300,00 is repaid;</li> </ul>		<p>A contract is in place with a firm to design the landfill gas collection and flaring system for the Thackeray landfill site. Once the design is completed approximately 4 to 6 months is required for approval by the Ministry of Environment. If approvals are given construction should start in the summer of 2009.</p>
10	City Council confirm its commitment to double the tree canopy from 17% to 34% and that City Council:	See recommendations 10a and 10b.	
(53) 10a	establish the <b>Tree Planting and Partnership Program</b> , in partnership with community organizations, schools, business improvement areas and volunteers, in order to expand resources for the planting, maintenance and care of trees;	In Progress	The Tree Planting and Partnership program report was adopted by City Council in 2007 and is part of a series of programs and budget requests associated with increasing the tree canopy and achieving a state of good repair for the urban forest.



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(54) 10b	<p>direct the General Manager of Parks, Forestry and Recreation to submit in 2007 a report to the Parks and Environment Committee that addresses:</p> <ul style="list-style-type: none"> <li>• steps that will be taken to increase tree plantings in the short-term;</li> <li>• strategic planning steps to achieve the goal of doubling the tree canopy by 2050;</li> <li>• the requirements for data collection and management and modelling;</li> <li>• projected operating and capital budget requirements; and</li> <li>• engagement of stakeholders through a Urban Forest Tree Canopy Steering Committee;</li> </ul>	Completed	<p>Prior to the Climate Change Action Plan City Council considered two reports that partially addressed this recommendation. In June 2007 City Council adopted a report entitled “Achieving Tree Canopy Enhancement” (<a href="http://www.toronto.ca/legdocs/mmis/2007/pe/bgrd/backgroundfile-4049.pdf">http://www.toronto.ca/legdocs/mmis/2007/pe/bgrd/backgroundfile-4049.pdf</a>) and in July 2007 City Council adopted a report entitled “Tree Planting” (<a href="http://www.toronto.ca/legdocs/mmis/2007/pe/bgrd/backgroundfile-5161.pdf">http://www.toronto.ca/legdocs/mmis/2007/pe/bgrd/backgroundfile-5161.pdf</a>).</p> <p>In 2008 City Staff finished collecting data under the Urban Forest Effects (UFORE) model and will be presenting a report to City Council in 2009 on the canopy coverage in Toronto.</p>
11	Council continue to build the partnerships necessary with businesses, industries, research institutions, community groups, resident associations, neighbouring municipalities, other orders of government and international organizations in order to foster mutually beneficial improvements in air quality & climate change & that City Council:	See recommendations 11a to 11c.	

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(56) 11a	direct the Director of the Toronto Environment Office in partnership with other appropriate City Divisions to invite interested stakeholders to join and participate in the following Enviro-Action Working Groups: (including the ones suggested in earlier recommendations) Commercial Fleets; Small Business; Good Neighbours Food Procurement; Trees and Greenspace; and Climate Change Adaptation -- in addition to working groups that already exist (e.g. Greening Health Care, Renewable Energy Working Group) and in other relevant sectors, such as social housing and sustainable transportation;	Ongoing	
(57) 11b (i and ii)	direct the Executive Director of Facilities and Real Estate to approach Toronto's universities, colleges and other interested organizations, to discuss forming research partnerships on energy-related issues of mutual interest, and report back on the progress of this initiative in early 2008;  direct the DCM and the DCM/CFO, with a partnership group comprised of Toronto area post-secondary educational institutions, business and labour and related parties, to participate in and assist with the preparation	In Progress	Stakeholder meeting held to discuss the development of "VE2NUS – The Virtual Environmental and Energy Nexus for Urban Sustainability". This will focus on bringing research and business communities together to stimulate technology commercialization.

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	and submission of a Letter of Intent by August 20 '07 to the Federal Grants Program for Centres of Excellence for Commercialization and Research expressing the City's desire to have and support for a Centre of Excellence for Commercialization and Research based in Toronto. That they further be directed to: ensure the submission of a formal proposal in Oct '07 include in operating budget submission implications arising out of this proposal; and report back to Executive Committee on the outcome;		
(58) 11c	<p>direct the City Manager and Deputy City Manager to continue to develop and enhance partnerships with:</p> <ul style="list-style-type: none"> <li>• the Greater Toronto Area Clean Air Council;</li> <li>• the Greater Toronto Transit Authority;</li> <li>• the Provincial and Federal Governments;</li> <li>• the Clinton Climate Change Initiative;</li> <li>• the C40 Large Cities Climate Initiative;</li> <li>• the International Council for Local Environmental Initiatives;</li> <li>• the Federation of Canadian</li> </ul>	Ongoing	Through the Mayor, the Mayor's Office, members of City Council and City Staff the City is an active participant in these and many other appropriate forums.

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	Municipalities; and <ul style="list-style-type: none"> <li>other bodies, non-governmental organizations and organizations with a focus on addressing climate change and air quality;</li> </ul>		
12	City Council acknowledge that the greatest reductions in emissions will occur from changes in how people move about the city and how they operate their homes and businesses and people need to understand why, what and how to change, and that City Council:	See recommendations 12a, 12b and 15(i).	
(59) 12a & 15(i)	direct the Deputy City Manager to organize a charette, to develop in 2008 a three year climate change and air quality marketing campaign which integrates and utilizes existing programs and interactive web-based programs;	In Progress	City Council when it endorsed the establishment of the Live Green Toronto program, also allocated funds for the development of s social marketing campaign as part of the Live Green Toronto program. Some of the more significant activities in 2008 included, development of the Live Green web-site, advertising in local media, increased attendance at events reaching over 500,000 people and an expanded Green Toronto Festival. A strategy for 2009 is in development and will start in early 2009. More information about the Live Green Toronto program can be viewed at: <a href="http://www.livegreentoronto.ca">www.livegreentoronto.ca</a> .
	City staff be requested to: <ul style="list-style-type: none"> <li>develop a communications strategy utilizing simple language and design to help educate and engage Torontonians in the Action Plan, that Plan to include 10 things the City will do this year; 10 things the City will do next year; a</li> </ul>		

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	timeline for future changes (Times for Change)		
(60) 12b	Direct the DCM to develop a School Board / City Environmental Education Working Group to review current environmental curriculum and activities and explore opportunities for collaboration on environmental initiatives.	Completed	<p>As part of Toronto's designation as a "Centre of Expertise for Education in Sustainable Development" the following groups have come together to explore opportunities for collaborating on environmental education activities: City of Toronto, Toronto District School Board, University of Toronto, York University, Toronto Zoo, Toronto Region Conservation Authority and Citizens Environment Watch. The most recent status report to City Council on the activities of this group can be viewed at: <a href="http://www.toronto.ca/legdocs/mmis/2008/pe/bgrd/backgroundfile-15997.pdf">http://www.toronto.ca/legdocs/mmis/2008/pe/bgrd/backgroundfile-15997.pdf</a>.</p> <p><b>Note:</b> 20/20 The Way to Clean air campaign that encourages Toronto residents to reduce their home energy and vehicle use by 20% is working with Toronto District School Board and Ontario EcoSchools to develop a new multimedia 20/20 resource for schools. More information is available at: <a href="http://www.toronto.ca/health/airquality/2020/ecoschools.htm">http://www.toronto.ca/health/airquality/2020/ecoschools.htm</a>.</p>

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13	City Council recognize that climate change is occurring and will have significant effects on City operations and various vulnerable populations and that City Council:	See recommendations 13a and 13b.	
(61) 13a & 13b	<p>direct the Director of the Toronto Environment Office, in consultation with the Medical Officer of Health, to complete in 2007 a process that engages all relevant City Divisions and Agency, Boards, Commissions and Corporations and community partners in order to prepare a report to the Executive Committee that:</p> <ul style="list-style-type: none"> <li>identifies the components of a climate change adaptation strategy for City operations and the community;</li> <li>includes the actions steps required to develop a climate change adaptation strategy including project budget costs;</li> <li>ensures the strategy will incorporate the response mechanisms required to meet identified environmental changes including health related impacts, such as the heat alert response program;</li> <li>identifies the requirements for data collection and management and modelling; and</li> <li>incorporates stakeholders input;</li> </ul>	Completed	<p>At its meeting of July, 2008 City Council adopted unanimously the proposed approach to developing a Climate Change Adaptation Strategy and the report entitled, 'Ahead of the Storm'. A copy of the staff report can be viewed at:  <a href="http://www.toronto.ca/legdocs/mmis/2008/pe/bgrd/backgroundfile-12950.pdf">http://www.toronto.ca/legdocs/mmis/2008/pe/bgrd/backgroundfile-12950.pdf</a>, while a copy of Ahead of the Storm can be viewed at:  <a href="http://www.toronto.ca/teo/pdf/ahead_of_the_storm_highlights.pdf">http://www.toronto.ca/teo/pdf/ahead_of_the_storm_highlights.pdf</a>.</p> <p><b>Related Work:</b>  At its meeting of September, 2008 City Council adopted an approach to addressing basement flooding in 31 priority areas and the allocation of over \$100 million in the five year capital budget for this initiative. A copy of the staff report can be viewed at:  <a href="http://www.toronto.ca/legdocs/mmis/2008/ex/bgrd/backgroundfile-15074.pdf">http://www.toronto.ca/legdocs/mmis/2008/ex/bgrd/backgroundfile-15074.pdf</a>.</p> <p>A vulnerability assessment for heat is being undertaken - Phase one will identify suitable data and methods that could be applied for a Toronto-specific heat-related vulnerability assessment. A heat-related vulnerability assessment will identify who is most vulnerable, where vulnerable people live, what physical locations will be hottest, and where the effects of these factors overlap. The findings will identify areas in the City where people are especially at risk from heat, and will improve the city's ability to effectively deliver scarce resources.</p>

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	authorize the Deputy City Manager to retain the Clean Air Partnership to provide assistance and technical expertise in the development of the City's adaptation strategy, on a sole source basis to a maximum of \$40,000 inclusive of all charges and taxes (funds in the amount of \$40,000 have been included in the 2007 Operating Budget of the Toronto Environment Office (WT0038-4100) as approved by City Council), on terms and conditions satisfactory to the Deputy City Manager and in a form satisfactory to the City Solicitor;		Planning is underway to evaluate the Hot Weather Response program in 2009. In addition, standards are being developed for shade for the City's playgrounds and water play facilities and specific guidelines to assist City agencies, boards, commissions and divisions to implement the Shade Policy.
14	City Council will ensure there is ongoing monitoring and evaluation of our progress and reporting on that progress to the community and that City Council:	See recommendations 14a to 14f.	
(62) 14a & 14b	direct the Director of the Toronto Environment Office to continue to coordinate the City's actions to measure, monitor and model greenhouse gases and smog causing emissions to ensure efforts are focused on those that have the greatest effect on human health and the natural environment;	In Progress	The City published its first inventory of greenhouse gases and air emissions in June 2007 based on 2004 data. Work continues on updating this inventory and an updated report will be produced in mid to late 2009. A copy of the 2007 inventory can be viewed at: <a href="http://www.toronto.ca/teo/pdf/ghg-aq-inventory-june2007.pdf">http://www.toronto.ca/teo/pdf/ghg-aq-inventory-june2007.pdf</a> .

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	request energy utility companies in Toronto to provide data to the City, in a manner respectful of customer confidentiality requirements, to assist staff in monitoring the City's progress in meeting its targets;		
(63) 14c	direct the Medical Officer of Health to expand the use of the federal Air Quality Benefits Assessment Tool to evaluate health and economic benefits that are associated with policy options that result in lower levels of air pollution in Toronto;	Completed	Report presented to the Board of Health in November 2007.
(64) 14d	request the Board of Health to develop a proposed reporting program for the use and release of toxic air contaminants and to explore reporting of greenhouse gas emissions;	Completed	<p>At its meeting of December 1 &amp; 2, 2008 City Council directed the establishment of an Environmental Reporting, Disclosure and Innovation Program. A copy of the report presented to Council can be viewed at: <a href="http://www.toronto.ca/legdocs/mmis/2008/hl/bgrd/backgroundfile-17196.pdf">http://www.toronto.ca/legdocs/mmis/2008/hl/bgrd/backgroundfile-17196.pdf</a>.</p> <p>The program when implemented will capture information on priority toxic substances in Toronto's environment, help businesses adopt pollution prevention measures, and inform residents about local environmental conditions. A report on the progress of implementation of the program will be presented to the Board of Health at the end of 2009.</p>
(65) 14e	direct the Chief Corporate Officer to report on progress in moving the City to a state of energy sustainability, and update Toronto's Sustainable Energy Plan annually, subject to the terms of the <i>Energy Conservation Leadership Act, 2006</i> ; and	In Progress	A report entitled, "Sustainable Energy Action Plan" is being prepared for early 2009 and this report will outline recommended actions for reducing energy consumption in the heating, lighting and cooling of buildings.



**APPENDIX A: Status Summary for the Climate Change, Clean Air and Sustainable Energy Action Plan Recommendations**

<b>Action Plan Rec #</b>	<b>Recommendation</b>  <b>Items in <i>italics</i> are motions that were not adopted but sent to the DCM Richard Butts for consideration.</b>	<b>Status</b>	<b>Comments &amp; Links to Further Information</b>
(66) 14f	direct the Deputy City Manager, Cluster B, to report on air quality and greenhouse gas emissions, outcomes of policies, programs and activities in connection with the Climate Change and Clean Air Action Plan and recommend changes and new actions as part of regular annual reporting on the state of Toronto's natural environment and outcomes of policies, programs and activities	In Progress	<p>This report is the first status report on the implementation of the Climate Change, Clean Air and Sustainable Energy Action Plan, Phase I. As identified in this report, a report outlining additional recommended actions will be prepared in 2009 and presented to City Council in late 2009 or early 2010.</p> <p><b>Related Reports:</b> Report being prepared for the April 2009 meeting of the Parks and Environment Committee highlighting outcomes of all climate change related work based on the presentations made by the City's Agencies, Boards, Commissions, Corporations and Divisions during 2008 to the Committee.</p> <p>A report entitled, "Sustainable Energy Action Plan" is being prepared for April 2009 and this report will outline recommended actions for reducing energy consumption in the heating, lighting and cooling of buildings. See recommendation 14e above.</p>
(67) 17	That in all reports back to Committee on Councils' Climate Change Plan that staff give consideration and then comment briefly on any complimentary Provincial and Federal Initiatives.	Ongoing	
(68) 18	A copy of this item be forwarded to the Federal Environment Minister John Baird and to the Provincial Environment Minister Laurel Broten for their comments and suggestions in implementing this report collaboratively.	Completed	