

## APPENDIX A

### Summary of City's Sustainable Energy Policies

Document	Date of Council Decision	Division Responsible	Motions adopted by Council	Website/Council Document Reference
<p>City Participation in Phase 2 Review of Provincial Integrated Power System Plan and Procurement Processes</p>	<p>July 15, 16 and 17, 2008</p>	<p>EEO/TEO</p>	<p>5.a. City advocate that the OPA accommodate the City's priorities and views (as outlined in the CCCASEAP) in the further development work to address the City's electricity reliability needs...</p> <p>6. ...Include a request to the Ontario Power Authority and Ontario Energy Board to allow the Toronto Hydro rate to support its conservation and renewable energy objectives (e.g., energy efficiency measures such as those taking place in Austin, Texas, absorbing costs of connecting renewable energy technologies to the grid...).</p> <p>Council authorized DCM to coordinate the preparation and submission of the City's submissions and representations in Phase 2 based upon the issues and concerns set out in Appendix "B":</p> <ul style="list-style-type: none"> <li>(a) incomplete plan: IPSP only sets out a plan for a plan and does not meet criteria set out in Minister's Directive</li> <li>(b) IPSP does not adequately address the</li> </ul>	<p><a href="http://www.toronto.ca/legdocs/mmis/2008/cc/decisions/2008-07-15-cc23-dd.pdf">http://www.toronto.ca/legdocs/mmis/2008/cc/decisions/2008-07-15-cc23-dd.pdf</a></p> <p><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></p>

			<p>ability to connect energy generated from DG and RE sources in central and downtown Toronto</p> <p>(c) Several of preliminary proposed routes for 3<sup>rd</sup> transmission line conflict with other land uses as identified in City's OP</p> <p>(d) IPSP does not provide a solution for reliability of supply in central and downtown Toronto.</p>	
Promoting Energy Conservation in Toronto	December 11, 12 and 13, 2007		<ul style="list-style-type: none"> <li>• Toronto City Council request the Province of Ontario defer any decision on energy supply until a detailed business case is made for each alternative, including costs related to greenhouse gas emissions, public health, pollution, safety, security, long-term waste storage, cost overruns and liability insurance, investment and employment opportunity.</li> <li>• Toronto City Council request the Provincial Government and the Ontario Power Authority to undertake an aggressive approach to conservation demand management, with investment commensurate with energy supply allocations.</li> <li>• The issue of demand side management of electricity be referred to the City Manager and that she direct the appropriate staff to submit a report to the Executive Committee on demand side management options</li> </ul>	<p><a href="http://www.toronto.ca/legdocs/mmis/2007/cc/decisions/2007-12-11-cc15-dd.pdf">http://www.toronto.ca/legdocs/mmis/2007/cc/decisions/2007-12-11-cc15-dd.pdf</a></p> <p>Ref: 2007-13-M153</p>

			available to the City of Toronto to limit its own use of power.	
Climate Change, Clean Air, & Sustainable Energy Action Plan (2007)	July 16, 17, 18 and 19, 2007	TEO/EEO	<ul style="list-style-type: none"> <li>• GHG and Smog Emission Reduction Targets for City of Toronto, for adoption by Council (GHGs: 6% by 2012, 30% by 2020, 80% by 2050 with 1990 as a baseline year; and for smog causing pollutants 20% below 2004 levels by 2012</li> <li>• Recommended Council establish financial resources required to support necessary action to achieve targets (incl. \$62 M for Green Funds, \$9 M for DLWC at City Hall, Police HDQT, and Union Station)</li> <li>• CCO develop a plan to achieve City's target of obtaining 25% of City's electricity needs from green energy sources over 4 yr phase-in period starting in 2008</li> <li>• Recommended that "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 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 energy sources and California's target is 25% by 2017)"</li> <li>• Directed the Chief Corporate Officer to report on progress in moving the City to a state of energy sustainability, and update</li> </ul>	<p><a href="http://www.toronto.ca/legdocs/mmis/2007/pe/bgrd/backgroundfile-4982.pdf">http://www.toronto.ca/legdocs/mmis/2007/pe/bgrd/backgroundfile-4982.pdf</a></p> <p>P:\2007\Internal Services\F&amp;RE\ec07055F&amp;RE - AFS#3268 and P:\2007\Cluster B\PPFA\TEO\EX07006</p>

			Toronto's Sustainable Energy Plan annually, subject to the terms of the Energy Conservation Leadership Act, 2006; and	
Greenhouse Gases and Air Pollutants in the City of Toronto. Towards a Harmonized Strategy for Reducing Emissions (2007)		TEO/TAF	<ul style="list-style-type: none"> <li>Recommendation: the Toronto Environment Office continue to develop and report annually on the findings of the Integrated Greenhouse Gas and Air Quality Emissions Inventory and provide annual assessments of progress toward targets and established air quality concentration standards.</li> </ul>	P:\2007\ClusterB\TEO\EX07005  <a href="http://www.toronto.ca/legdocs/mmis/2007/pe/bgrd/backgroundfile-4990.pdf">http://www.toronto.ca/legdocs/mmis/2007/pe/bgrd/backgroundfile-4990.pdf</a>
Energy Plan for Toronto (Status Report on the Energy Plan for Toronto – Update)	June 27, 28 and 29, 2006	EEO	<ul style="list-style-type: none"> <li>City Council adopt a “Conservation First” energy strategy with renewable energy being the next highest priority that positions conservation and demand management as the preferred first action to meet the energy needs of City of Toronto’s Divisions, Agencies, Boards, Commissions and Corporations and the city as a whole;”</li> <li>the Chief Corporate Officer, in consultation with the Deputy City Managers and Agencies, Boards, Commissions and Corporations, as appropriate, be authorized to coordinate the planning of conservation and demand management programs and projects of City of Toronto’s Divisions, Agencies, Boards, Commissions and Corporations in the Energy Plan;</li> </ul>	Staff report: <a href="http://www.toronto.ca/legdocs/2006/agendas/council/cc060627/pof5rpt/cl020.pdf">http://www.toronto.ca/legdocs/2006/agendas/council/cc060627/pof5rpt/cl020.pdf</a>  Decision document: <a href="http://www.toronto.ca/legdocs/2006/agendas/committees/pof/pof060620/agenda.pdf">http://www.toronto.ca/legdocs/2006/agendas/committees/pof/pof060620/agenda.pdf</a>

			<ul style="list-style-type: none"> <li>• Council endorsed efforts by the OPA's Conservation Bureau to seek 300 MW of CDM in Toronto by 2010.</li> <li>• City manager or her designate, be authorized to negotiate and enter into agreements for the identification, development, funding, financing, implementation, monitoring, evaluation and reporting on CDM programs and projects, which are in support of the 300 MW target for CDM by 2010, jointly with major stakeholders, name the OPA, Toronto Hydro Corp., TAF and others.</li> <li>• City Council request the Province, including the Premier's Office, to communicate to the Ministry of Energy, the Ministry of the Environment, the Ministry of Municipal Affairs and Housing, the OPA, the OEB, Toronto Hydro Corporation and other major renewable energy stakeholders, the need to reduce barriers, including participation costs respecting the connection requirements, metering, settlements and other agreements, to participation in conservation and demand management programs and projects at the earliest feasible date.</li> </ul>	
Energy Management	February 4, 5, 6,	EMWO	<ul style="list-style-type: none"> <li>• Outlines a program to support the City's in-house energy objectives as outlined in the</li> </ul>	<a href="http://www.toronto.ca/ewmo/pdf/energy_management_">http://www.toronto.ca/ewmo/pdf/energy_management_</a>

<p>Program for City of Toronto Facilities and Operations (2003)</p>	<p>2003</p>		<p>City's <i>Strategic Plan</i> and the City's <i>Environmental Plan</i></p> <ul style="list-style-type: none"> <li>• Council approved 5 year energy management plan for City facilities</li> <li>• Plan contains provisions for tracking city energy use; coordinating energy efficiency retrofit programs in City Departments and as requested by ABCDs; coordinating City's energy purchases; steering the City's 25% Green power purchase</li> </ul>	<p>project_0203.pdf</p>
<p>Toronto's Strategic Plan</p>	<p>Vision and Goals: Nov. 1999; City Directions: Aug. 2000; Fiscal Principles: Dec. 2001</p>	<p>Council</p>	<ul style="list-style-type: none"> <li>• Sets out council's agenda</li> </ul> <p><i>Goals (selected – as they relate to energy):</i></p> <p>Economic vitality refers to the health of the city's economy and includes such factors as diversified employment, skilled workforce, competitiveness, investment and affordability.</p> <p><u><a href="#">Environmental sustainability</a></u> encompasses principles of environmental balance and the integration of environmental considerations in our social and economic activities.</p> <p><i>Directions (selected – as they relate to energy):</i></p> <p>Invest in people and job creation</p> <ul style="list-style-type: none"> <li>• create job opportunities by managing</li> </ul>	<p><a href="http://www.toronto.ca/strategic_plan/index.htm">http://www.toronto.ca/strategic_plan/index.htm</a></p>

			<p>resource needs locally  <i>e.g., process more solid waste locally, explore energy efficiency and generation initiatives</i></p> <p>Promote strong and healthy neighbourhoods and communities</p> <ul style="list-style-type: none"> <li>• apply environmental and energy efficiency planning in all city development</li> </ul> <p><i>e.g., part of development approval process, explore "zero footprint" model for assessing impacts</i></p>	
Official Plan		City Planning	<p><i>Structuring Growth in the City: Integrating Land Use and Transportation: Policies</i></p> <p>2. Directs growth to the Centres, Avenues, Employment Districts and the Downtown as shown on Map 2 in order to:</p> <p>g) Improve air quality, energy efficiency and reduce greenhouse gas emissions;</p> <p><i>Avenues: Reurbanizing Arterial Corridors: Policies</i></p> <p>3. c) vii) Development in Mixed Use Areas on an Avenue that precedes the completion of an Avenue Study will: be encouraged to incorporate environmentally sustainable building design and construction practices that (amongst other things) use renewable energy systems and energy efficient technologies</p>	<p><a href="http://www.toronto.ca/planning/official_plan/introduction.htm">http://www.toronto.ca/planning/official_plan/introduction.htm</a></p>

			<p><i>Healthy Neighbourhoods: Policies</i></p> <p>5. Environmental sustainability will be promoted in Neighbourhoods and Apartment Neighbourhoods by investing in naturalization and landscaping improvements, tree planting and preservation, sustainable technologies for stormwater management and energy efficiency programs for reducing waste and conserving water and energy</p> <p><i>Natural Environment – Policies:</i></p> <p>1. To support strong communities, a competitive economy and a high quality of life, public and private city-building activities and changes to the built environment including public works will be environmentally friendly, based on: c) addressing environmental stresses caused by the consumption of natural resources by reducing: iii) energy consumption; and iv) reliance on carbon-based fuels for energy</p> <p>18. Innovative energy producing options, green industry and green building designs and construction practices will be supported and encouraged in building renovation and redevelopment through: d) establishing and extending district heating and cooling facilities, wind and solar power</p>	
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		<p>installations and other renewable energy systems;</p> <p>e) the use of advanced energy-efficient technologies that are consistent with high energy efficiency standards, design features and construction practices...</p> <p>22. Redevelopment of large industrial sites, including brownfield sites, should receive special attention to achieve high standards of pollution abatement, green roof technology and/or alternative energy production, such as cogeneration, hydrogen energy or renewable energy.</p> <p><i>Supporting the Foundations of Competitiveness: Policies</i></p> <p>3. c). Investment on the part of public agencies or through partnership agreements will ensure that key competitive infrastructure will be maintained, improved and extended in the following areas: reliable supply of energy sources including electricity, natural gas and district heating and cooling;</p> <p><i>Height and/or Density Incentives: Policies</i></p> <p>6. Section 37 community benefits are capital facilities and/or cash contributions toward specific capital facilities, above and beyond those that would otherwise be provided under</p>	
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			the provisions of the Planning Act or the Development Charges Act or other statute, including: m) other local improvements...such as DLWC	
Clean, Green and Healthy: A Plan for an Environmentally Sustainable Toronto (Environmental Plan) (2000)	April 11, 12, and 13 2000	Environmental Task Force	<p>This strategic document contains recommendations for goals, targets, policies, strategies, structures and processes for environmental sustainability.</p> <p>Goals:</p> <ul style="list-style-type: none"> <li>i) a 20% reduction in CO2 by 2005 levels from 1990 levels for city operations</li> <li>ii) departments reduce energy use in their operations and in city buildings by at least 15% by 2005</li> <li>iii) City purchase 25% of its corporate energy needs from Green Power</li> </ul> <p>Recommendations include:</p> <p>27) That the City adopt, as a long-range goal, the development of a Sustainable Energy Infrastructure for Toronto that supports the efficient production, transmission and use of energy from renewable sources</p> <p>28) That the City coordinate sustainable energy efforts, including:</p> <ul style="list-style-type: none"> <li>b) facilitate the development of a multi-stakeholder Sustainable Energy Partnership</li> </ul>	<a href="http://www.toronto.ca/council/pdf/etfepfin.pdf">http://www.toronto.ca/council/pdf/etfepfin.pdf</a>

			<p>which will: i) prepare a Sustainable Energy Plan for Toronto; ii) coordinate Toronto-wide activities on Sustainable Energy; encourage the formation of partnerships and joint ventures</p> <p>d) encourage Toronto Hydro Energy Services to include 1000 MW of Green Power in its Integrated Resources Strategic Plan</p> <p>34) Develop Investment Strategies for Sustainable Energy Plan Implementation in cooperation with Toronto Hydro and TAF – example: the use of surcharge applied to all Toronto Hydro customers to generate funds that could be used to fund sustainable energy projects; varying rate structures for Hydro customers base don consumption (rather than fixed service charge)</p>	
City of Toronto Environmentally Responsible Procurement Policy (1999)	October 26 & 27, 1999	PMMD	<p>Policy:</p> <p>“...In order to increase the development &amp; awareness of enviro. sound purchasing, acquisitions of goods and services will ensure that wherever possible...specifications provide for the expanded use of Environmentally Preferred Products (EPP) such as:...reusable products, energy efficient products, low pollutions products...”</p>	<a href="http://www.toronto.ca/calldocuments/pdf/environment_procurement.pdf">http://www.toronto.ca/calldocuments/pdf/environment_procurement.pdf</a>
Green Development Standard (2007)	July 26, 2006	Planning	Voluntary environmental performance standard for new/retrofit buildings (includes minimum standards for energy efficient appliances,	

			<p>building energy efficiency and a recommendation for the inclusion of onsite renewables or green power purchase)</p> <p>Recommendation:</p> <p>The Chief Planner and Executive Director, City Planning, and the City Solicitor report on the legislative abilities available to the City in applying any part of the Toronto Green Development Standard to private development</p>	
Green Economic Sector Development Strategy	July 16, 17, 18 and 19, 2007	ECDT	<p>1. Council endorse the vision, objectives, and strategic directions contained in the Green Economic Sector Development Strategy and summarized in this report.</p> <p>3. Council endorse the implementation of the action items listed in the report.</p> <p>4. Council request the General Manager of Economic Development, Culture and Tourism, in co-operation with other City Divisions, to report to the Economic Development Committee, in September 2007, on a work plan for implementing the action items and the resources that may be required; and that the work plan include the following:</p> <p>a. the potential for including City-owned Toronto Hydro Energy Services Inc. as a key partner in the development of the action</p>	<p><a href="http://www.toronto.ca/legdocs/mmis/2007/ed/bgrd/backgroundfile-5215.pdf">http://www.toronto.ca/legdocs/mmis/2007/ed/bgrd/backgroundfile-5215.pdf</a></p> <p><a href="http://www.toronto.ca/legdocs/mmis/2007/ed/bgrd/backgroundfile-4006.pdf">http://www.toronto.ca/legdocs/mmis/2007/ed/bgrd/backgroundfile-4006.pdf</a></p> <p><a href="http://www.toronto.ca/legdocs/mmis/2007/cc/decisions/2007-07-16-cc11-dd.pdf">http://www.toronto.ca/legdocs/mmis/2007/cc/decisions/2007-07-16-cc11-dd.pdf</a></p>

			<p>items;</p> <p>c. opportunities for attracting new business in the following sectors:</p> <ul style="list-style-type: none"><li>- compact florescent light-bulb recovery and recycling;</li><li>- green electricity equipment: windmill parts, solar equipment;</li></ul> <p>Vision:</p> <p>Toronto should become: A globally recognized green industry hub that generates sustainable value to the City, local industry and its residences while stimulating the continued growth and sustainability of established businesses.</p> <p>Strategic directions:</p> <p>Catalyze innovation and foster environment and clean energy sector development, firm formation, expansion and recruitment;</p> <p><i>Council Endorsed Action Items:</i></p> <p>Create a one window utility conservation program undertaken jointly with City, Toronto Hydro, Enbridge, and targeted at the existing business community to support best environmental practices and make our</p>	
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			<p>companies industry leaders.</p> <p>Develop a district energy project in Toronto Discovery District to support the sustainable use of energy, provide stability with respect supply and costs and stimulate new development in the area.</p>	
Climate Change Adaptation Strategy	July 15, 16 and 17, 2008,	TEO w/Climate Change Adaptation Steering Group and Clean Air Partnership	<p>5. Directs staff to develop a methodology to prioritize short-term Climate Change Adaptation actions recommended by City Divisions prior to the 2009 Budget Cycle process.</p> <p>6. The Director of the Toronto Environment Office establish a process for the development of a longer-term, comprehensive adaptation strategy... that identifies, assesses and implements adaptation actions that will reduce vulnerability; and takes advantage of opportunities presented by a changing climate.</p> <p><i>Ahead of the Storm....Preparing Toronto for Climate Change (2008)</i> identifies DLWC as adaptation strategy and distributed renewable energy as contributors to reliability of electricity supply in face of increasingly extreme weather and subsequent pressure on grid</p>	<p><a href="http://www.toronto.ca/teo/pdf/ahead_of_the_storm.pdf">http://www.toronto.ca/teo/pdf/ahead_of_the_storm.pdf</a></p> <p><a href="http://www.toronto.ca/legdocs/mmis/2008/cc/decisions/2008-07-15-cc23-dd.pdf">http://www.toronto.ca/legdocs/mmis/2008/cc/decisions/2008-07-15-cc23-dd.pdf</a></p>