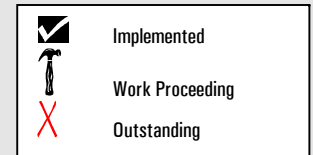


Implementation of Environmental Plan Recommendations

Education and Awareness



RECOMMENDATION No. 41



Become a World Leader in Environmental and Sustainability Education and Outreach

Recommended that the City adopt a goal of becoming a world leader in the delivery of education and outreach on the environment and sustainability. To achieve this goal the City should:

- a) develop and deliver education and outreach initiatives in partnership with the broad community of educators; and
- b) strive to establish a culture supportive of environmental sustainability through building awareness of the need for action, developing support for sustainability initiatives, and motivating the adoption of more environmentally sustainable behaviour across society.

ETF Target (2000): No ETF Target.

Overall Indicator: N/A.

Education and Awareness

41. Become a World Leader in the Environmental and Sustainability Education and Outreach

RECOMMENDATION STATUS: Implemented (2004).

- 41a) The City has undertaken and been involved in numerous such initiatives, some of which have been identified in the introduction for this recommendation.
- 41b) The City has undertaken and been involved in numerous initiatives that address this recommendation, some of which have been identified in the introduction for this recommendation.

The work undertaken to address this recommendation is considered to be core business/standard operating procedure(s) for the City and work continues.

INTRODUCTION

Nations in Bloom is the world's leading environment based Awards Competition and has the objective of the exchange of information and best practices across national and cultural borders. Toronto was the recipient of the international 'Nations in Bloom' award for 1999 in the category of Cities over one million in population. The competition application was led by EDCT-Parks and Recreation and concentrated on city, community and corporate actions related to the natural and built green environment. Environmental actions from other departments and agencies including WES, UDS, Toronto Public Health, Toronto Region and Conservation Authority, Toronto Zoo, and many community and volunteer environmental and horticultural groups were also included.

WES has worked with a number of partners to develop the City's environmental, sustainability and outreach activities and to establish Toronto as a world leader in these fields. These activities include participating in the Steering Committee of Sustainable Toronto, which is headed by York and Toronto universities and is aimed at translating academic environmental and sustainability concepts into community and civic action.

The City is also actively engaged in the Reducers Group, established by the Rockefeller Brothers Foundation, that is aimed at communicating the benefits of environmental sustainability measures to world leaders. The City hosted the first Conference of the Reducers in 2004. The City of Toronto is a participant in an international swimming beach initiative called Blue Flag that assesses the water quality, environmental education and information, environmental management, safety and service on Toronto's beaches against a set of international criteria.

CNS – TPH's education and outreach initiatives include leading the development and implementation of a number of initiatives to promote

Education and Awareness

41. Become a World Leader in the Environmental and Sustainability Education and Outreach

environmental health. This includes the City's Corporate Smog Alert Response Plan, 20/20 the Way to Clean Air campaign and the Healthy People Healthy Environment web site. Through these initiatives and many others, TPH has provided schools, workplaces, community groups and residents of the City of Toronto with resources and tools to protect their health and that of the environment. TPH directs a Sustainable Toronto project entitled Promoting Education and Awareness of the Links Between Health and the Environment and has completed three related research projects with the University of Toronto.

The City has also worked closely with Cities Plus, a Vancouver- Canada initiative that submitted a winning submission to an international competition regarding sustainable cities in Tokyo in June 2003. The City hosted the International Sustainability Indicators Network biennial conference in 2003 and is taking a leading role in developing Environmental and Sustainability indicators in Canada through the newly emerging Communities of Practice Initiative. The City continues to work closely with the International Council for Local Environmental Initiatives (ICLEI) (whose World Secretariat is housed at Toronto City Hall), on global environmental sustainability issues affecting cities and has also attempted to compare its environmental performance with that of cities around the world by participating in the Cities 21 initiative.

In November, 2002, Making Waves: Principles for Building Toronto's Waterfront was selected out of 70 submissions from around the world to win the 2002 Excellence on the Waterfront Award from the Washington, D.C.-based Waterfront Center. Earlier in 2002, the Plan won awards of excellence from both the Canadian Institute of Planners and the Ontario Professional Planners Institute. The Great Lakes Water Quality Agreement is an example for the world. The international community regards it as a successful model for interjurisdictional cooperation towards restoring environmental quality and preventing future degradation, thereby ensuring long-term protection of the Great Lakes Basin Ecosystem. The City of Toronto is a partner in the agreement.

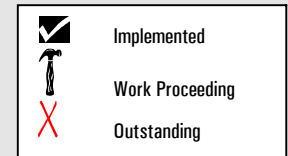
In October of 1999, the Solid Waste Association of North America (SWANA), under its 1999 Excellence in Solid Waste Management Awards Program, recognized Keele Valley with a Gold award for its significant accomplishments in landfill gas control. SWANA honoured the City of Toronto's commitment to environmentally and economically sound solid waste management. At the 1997 Kyoto Conference on greenhouse gases, Toronto was cited as a world leader in greenhouse gas reductions due to its successful methane gas recovery from its landfill facilities. In summary, the efforts of the City in Environmental and Sustainability Education are significant. They are part of a mutual learning process. The City's local, national and international efforts, and the impetus for increased efforts, demonstrate leadership on a world scale.

CS-FS is a major supporter of hybrid-electric vehicle technology. The Green Fleet Transition Plan (2004) proposes to meet over 80% of new vehicle replacements with hybrid-electric vehicles such as the Honda Civic/Insight and Toyota Prius. In 2004, CS-FS took delivery of 11 GMC Sierra hybrid-electric pickup trucks. With the implementation of the Green Fleet Transition Plan (2004), the City of Toronto is recognized as an innovative municipality and world leader in sustainable solutions.

Implementation of Environmental Plan Recommendations

Education and Awareness

RECOMMENDATION No. 42



Develop a Public Education and Outreach Program on the Environment and Sustainability

Recommended that the City develop and implement a targeted Public Education and Outreach Program on the environment and sustainability. The program should:

- a) be coordinated by the Commissioner of Works and Emergency Services until such time as a lead for sustainability assumes this responsibility;
- b) be designed to involve other City Agencies, Boards and Commissions;
- c) be based on City priorities as identified in the approved Strategic Plan and this document or by Council;
- d) use a two-tiered community-based social marketing approach that develops broad public awareness of environmental conditions and issues and promotes individual behaviours change and the adoption of environmentally sustainable practices;
- e) include an "inreach" component aimed at City staff;
- f) include the development of culturally sensitive and relevant initiatives incorporating environmental and sustainability information in English as a Second Language programs and equivalent programs as well as in the Citizenship and Immigration Canada test information;
- g) include the Toronto Environmental/Earth Week Program in 2000, sponsored by the Mayor and Council;
- h) include the development of a sustainability "brand" or identity for the City in the form of an easily recognized name, logo and slogan;
- i) be developed in consultation with key environmental educators in Toronto, including the city's environmental groups;
- j) include communicating the City's success stories such as environmental procurement, building efficiency, corporate smog reduction and pesticide reduction; and
- k) be presented to the Sustainability Roundtable and City Council before December 31, 2000.

Education and Awareness

42. Develop a Public Education and Outreach Program on the Environment and Sustainability

Revised ETF Target (2003): New Target required, but not yet established.

Overall Indicator: N/A.

RECOMMENDATION STATUS: Work Proceeding

42e) The Facility and Real Estate division of the Corporate Services department communicates to City staff to promote energy efficiency and waste management and educates its employees through its intranet site. In addition, the EEO unit of the Works and Emergency Services department has initiated the Employee Energy Efficiency program whereby they provide information on how employees can make their homes more energy efficient.

Description of Project/Program/Action	Linkage	Project Indicator	Targets					Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004	End		
Ongoing education and awareness on issues related to air, soil, water energy and sustainability (EnviroFest, Coordination of Clean Air Commute, Environment Days, Pesticide Campaign, Water Watch Newsletter).								Proceeding	WES-SS/Comm
Ongoing public information program on health concerns related to climate change, with special emphasis on seniors and children. Presentations/outreach conducted at summer daycamps, workplaces and internal city divisions.								Proceeding	CNS-TPH
Presentation and train the trainer sessions to city staff, professionals,								Proceeding	CNS-TPH

Education and Awareness

42. Develop a Public Education and Outreach Program on the Environment and Sustainability

Description of Project/Program/Action	Linkage	Project Indicator	Targets					Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004	End		
academic, community group and workplaces related to the city's Corporate Smog Alert Response Plan and health protective actions on smog days.									
<p>20/20 The Way to Clean Air 20/20 is a social marketing campaign that encourages residents to reduce home energy and vehicle use by 20%. It is implemented by TPH and regional health units in the GTA, and co-ordinated by the Clean Air Partnership. 20/20 provides participants with resources and connections to existing community services to help them reach specific energy use reduction targets. Partnerships are key to the success of 20/20 outreach, and includes collaborations with workplaces, the Ecoschools initiative, and the federal One-Tonne Challenge.</p> <p>Needs Assessment Conduct needs assessment to support future development of a public information program on how environmental pollution can adversely impact child health and mitigative actions that can be taken by parents and caregivers. Needs Assessment Framework Study completed in September 2002 with a Parent's Survey completed in April 2002. State of Knowledge report including Action Agenda and survey results is ongoing. The State of Knowledge report will go forward to the Board of Health in the fall of 2004.</p> <p>Incorporate environmental sustainability and environmental protection concepts and actions into educational resources developed by the TPH. Ongoing education and awareness on issues related to air, energy conservation, pesticides, water and environmental sustainability.</p>							Proceeding	CNS-TPH	
								Proceeding	CNS-TPH
								Proceeding	CNS-TPH

Education and Awareness

42. Develop a Public Education and Outreach Program on the Environment and Sustainability

Description of Project/Program/Action	Linkage	Project Indicator	Targets				Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004		
<p>Inreach to Staff F&RE communicates to city staff to promote energy efficiency and waste management and educates employees through its intranet site. Inside T.O. Consultation, Earth Day and Waste Reduction Week Promotions, etc.</p> <p>Incorporate environmental sustainability and environmental protection concepts and actions into educational resources developed by TPH.</p> <p>Information Booths at Public Events (e.g. Environment Days) The EEO distributes information brochures and social marketing information in outreach booths at various citywide public events. Environment Days, taking place in every one of the 44 wards of the City, are a good example. Earth Days and special events are other examples of our public presence. The booth is a popular source of quality up-to-date information on energy awareness for residences.</p> <p>Home & Trade Shows EEO attends and presents at technically oriented Home & Trade shows such as the City of Toronto Renovation Forums and the Property Management Expo. The Office provides information to a wide cross section of the public at these events. Residential homeowners, tradespersons and business people such as property developers are encountered and informed.</p> <p>Employee Energy Efficiency (E3@Home) EEO has developed a three-year, corporate-wide initiative that encourages employees to get involved in helping create a comfortable and healthier environment by simply making their homes more energy efficient (at the same time saving money). EEO conducts information workshops in both formal City training format and informal lunchtime modes. As part of this outreach, it delivers the federal</p>							<p>Proceeding</p> <p>Proceeding</p> <p>Proceeding</p> <p>Proceeding</p> <p>Proceeding</p>	<p>CS-FRE</p> <p>WES-SS/Comm</p> <p>WES-SWM WES-TS/EEO</p> <p>WES-TS/EEO</p> <p>WES-TS/EEO</p>

Education and Awareness

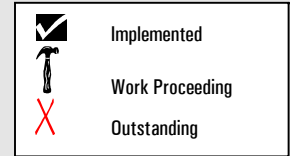
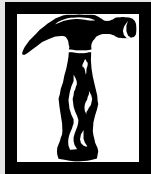
42. Develop a Public Education and Outreach Program on the Environment and Sustainability

Description of Project/Program/Action	Linkage	Project Indicator	Targets					Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004	End		
government Action By Canadians (ABC) climate change awareness program to city employees. To date, over 750 employees have participated and over 160 homes have been audited for energy use. Many home upgrades and improvements have followed.									
<p>BBP Sustainability Awards & Recognition Program The Better Buildings Partnership hosts the Sustainability Awards of Excellence. The BBP has used its previous award ceremonies to highlighting the best initiatives in the program. The 2003 awards event will focus on leadership for sustainability and showcase the Better Buildings Partnership people projects that embody best practices toward our goals.</p> <p>Public Presentations EEO gives presentations to academic, professional and trade groups on energy efficiency subjects ranging from basic tips to technical retrofits to sophisticated climate change policy development. This allows the Office to cross-promote many of our programs.</p>							Proceeding	WES-TS/EEO	
								Proceeding	WES-TS/EEO

Implementation of Environmental Plan Recommendations

Education and Awareness

RECOMMENDATION No. 43



Focus Education and Community-based Marketing on Key Areas

Recommended that the City, in consultation with the Sustainability Roundtable, identify priority areas for the Public Education and Outreach Program. These should include:

- a) the promotion of sustainable transportation options including public transit; and
- b) air issues including climate change, ozone depletion, smog and air toxics.

ETF Target (2000): No ETF Target.

Overall Indicator: N/A.

Education and Awareness

43. Focus Education and Community-based Marketing on Key Areas

RECOMMENDATION STATUS: Work Proceeding.

43a) This has been addressed through the 20/20 the Way to Clean Air program.

Description of Project/Program/Action	Linkage	Project Indicator	Targets				Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004		
<p>BBP Marketing and Communications EEO staff write general information brochures as well as writing and publishing magazine and journal articles. In addition, the EEO maintains the BBP website and the BBP Bulletin (an electronic newsletter). The EEO participates in the BBP Co-operative Advertising program, which responds to co-marketing opportunities with specific partners to reduce advertising costs.</p> <p>Expand health messaging to increase public awareness of the air quality index and the heat-health warning system, and steps that can be taken to protect vulnerable subpopulations, including seniors, children and people with lung and heart problems. Numerous public education and outreach initiatives have been undertaken.</p> <p>20/20 the Way to Clean Air A TPH social marketing campaign encourages residents to reduce home energy use and vehicle use by 20 percent. It promotes sustainable transportation options in workplaces such as carpooling and the increased use of public transit. It details actions residents can take to improve climate change and air quality. The program has expanded across the GTA.</p>							Proceeding	WES-TS/EEO
							Proceeding	CNS-TPH
							Proceeding	CNS-TPH

Education and Awareness

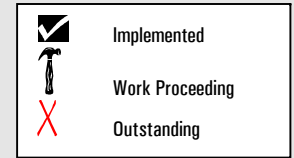
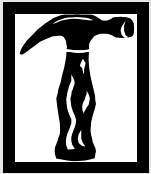
43. Focus Education and Community-based Marketing on Key Areas

Description of Project/Program/Action	Linkage	Project Indicator	Targets					Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004	End		
<p>National Fleet Challenge CS-FS is working co-operatively with its program partners to develop the National Fleet Challenge. In 2004, Fleet Services shared information and experiences in its Technology Testing Program (2003) and Spare Our Air Idling Challenge (2003) with Natural Resources Canada so that other municipalities could benefit from Toronto's experiences.</p>		eCO ₂ reduction /year	2004					Proceeding	CS-FS
<p>Greenfleet Symbol Development and Hybrid Vehicle Awareness Decal Program The purpose of this program is to inform community of City's greenfleet ultra-low emissions vehicles and product availability. Four vehicles have been decaled through the program.</p>								Complete	CS-FS

Implementation of Environmental Plan Recommendations

Education and Awareness

RECOMMENDATION No. 44



Support the Education and Outreach Work of Others

Recommended that the City recognize the contribution of and continue to support the environmental and sustainability education and outreach work of community-based groups, non-governmental organizations, and business, industry, union and youth organizations. The City should:

- a) provide funding and in-kind assistance for environmental community groups and their education projects to carry out public education projects to carry out public education and outreach initiatives on environmental and sustainability issues;
- b) include opportunities to work with business, industry and unions;
- c) include a specific youth program that considers ideas generated by the Youth Environmental Summit held in the Summer of 1999;
- d) recognize through award programs or other means the contributions of individuals and organizations in environmental and sustainability initiatives; and
- e) support the environmental community's education and awareness projects, especially those that work towards energy conservation and climate change, smog reduction habitat restoration, pollution prevention and sustainable transportation.

Revised ETF Target (2003): New Target required, but not yet established.

Education and Awareness

44. Support the Education and Outreach Work of Others

Overall Indicator: N/A.

RECOMMENDATION STATUS: Work Proceeding.

Through the activities listed below.

INTRODUCTION

WES Support Services-Communications, other divisions within WES, TPH and EDCT-Parks & Recreation work regularly with non-profit organizations and community groups in their efforts at outreach. Groups include: Environmental Defence Canada (Blue Flag), Pollution Probe (Water Primer), Riversides (H2O Info), Toronto Environmental Alliance and the Waterfront Regeneration Trust (WWFMMP Steering Committee). Individuals and organizations are recognized in a variety of awards programs in the City including the Toronto Environmental Volunteers and the BBP Awards to Business. Project specific support is provided to a variety of groups for stewardship programs, various public outreach initiatives and special projects such as the Oak Ridges Moraine. The Oak Ridges Moraine Preservation Fund was established by City Council in order to support Non-Government Organizations and Associations (NGOs) in their efforts to raise and sustain public awareness to protect and preserve the Oak Ridges Moraine, providing their vision and the City's are similar. For the period 2000-2003, its funding was approximately \$700,000. Benefiting NGO's include the following:

- Save the Oak Ridges Moraine (STORM)
- Land Use Planning Coalition (LUPC)
- EarthRoots
- Federation of Ontario Naturalists (FON)
- Save the Rouge Valley System Inc. (SRVS)
- Oak Ridges Moraine Land Trust
- Public Spaces Appreciation Association of Ontario (PSAAO)
- Nature Conservancy of Canada (NCC)

Education and Awareness

44. Support the Education and Outreach Work of Others

- Stewardship and Planting - WE projects (In kind Services)
- Terraview – Willowfield Community Group (community group helped plan the stormwater management project)
- Task Force to Bring Back the Don
- Friends of Highland Creek (This group re-naturalizes Markham Branch -from Hwy 401 to Markham Road)
- Ontario Streams (in-kind services)
- Friends of the Don East- FODE (we provided in kind services)

Description of Project/Program/Action	Linkage	Project Indicator	Targets				Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004		
Continue to liaise with Health Canada's Climate Change and Health Office to ensure that both mitigative and adaptive responses to global climate change incorporate human health considerations.							Proceeding	CNS-TPH
Support development of a regional Health & Climate Change Policy Network in Ontario to link and amplify local health-based climate change initiatives. This is being undertaken through the GTA Clean Air Council.							Proceeding	CNS-TPH
20/20 The Way to Clean Air Ensure that the 20/20 clean air campaign emphasizes supporting the education and outreach programs of regional NGOs, other government agencies and the private sector. This campaign acts as a "connector service" or hub for community programs.							Proceeding	CNS-TPH

Education and Awareness

44. Support the Education and Outreach Work of Others

Description of Project/Program/Action	Linkage	Project Indicator	Targets					Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004	End		
<p>Toronto Environmental Volunteer Program This was formerly known as the Waste Watcher Program and originated in 1996. The purpose of the program is to train members of the public who volunteer to perform community outreach on the 3R's (Reduce, Reuse, Recycle).</p>								Proceeding	WES-SS/Comm
<p>Partner with natural environment and community groups, boards of education, and various corporate groups for naturalization and planting events that include learning opportunities for participants.</p> <p>The public consultation unit supported the Humber Creek Environmental Association (business and local residents group) by raising awareness of the impact on the environment through existing practices. The City's involvement in this program has ended.</p> <p>The public consultation unit supported the Emery Creek Environmental Association (business pollution prevention group) by raising the awareness of the impact on the environment through existing practices. The City's involvement in this program has ended.</p> <p>Provide annual funding and in-kind assistance to the Toronto Botanical Garden (formerly known as the Civic Garden Centre), Canada Blooms, Humber Arboretum, High Park Nature Centre and High Park Volunteer Stewardship Program.</p> <p>City Wide Garden Contest Support local community volunteer run contests and hold a Toronto-wide competition.</p> <p>Thank-You Green Toronto A Green volunteer recognition program.</p>								Complete	EDCT-PR
								Complete	WES-SS/Comm
								Complete	WES-SS/Comm
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Education and Awareness

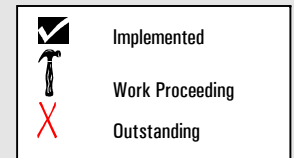
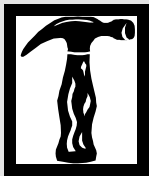
44. Support the Education and Outreach Work of Others

Description of Project/Program/Action	Linkage	Project Indicator	Targets					Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004	End		
Stewardship Forum Annual event for information sharing, enhancement and networking among natural environment community and volunteer groups								Complete	EDCT-PR
Provide in-kind assistance to the Highland Creek Watershed Steering Committee.								Complete	CNS-TPH

Implementation of Environmental Plan Recommendations

Education and Awareness

RECOMMENDATION No. 45



Help Integrate the Environment and Sustainability into the Formal Education System

Recommended that the City encourage the development of curriculum materials related to environment and sustainability. It should:

- a) request local universities, colleges and school boards to include the concepts of sustainability as components of their curricula;
- b) identify appropriate roles for City departments and agencies represented on the ETF in developing curriculum materials for the Toronto school boards;
- c) request local universities and colleges and the Ontario Ministries of Education and Training, Colleges and Universities to include environmental and sustainability education as a significant core element for the education of teachers.
- d) work in partnership with universities, local colleges, school board, environmental agencies and organizations to develop and monitor sustainability indicators; and
- e) develop new programs and strength existing programs being delivered in Toronto schools in partnership with other educators.

ETF Target (2000): No ETF Target.

Education and Awareness

45. Help Integrate the Environment and Sustainability into the Formal Education System

Overall Indicator: N/A.

RECOMMENDATION STATUS: Work Proceeding.

Direct implementation of this recommendation has not been possible as originally intended due to changes within the education system. The curriculum is established by the Province and variation is not permitted. However, the City continues to work with both school boards to provide specific programs within the curriculum and provide advice to the Environmental Educators of Ontario Network who influence curriculum development at all levels of education.

- 45a) This has been addressed through the EcoSchools Program and through TPH's continued involvement in university based teaching at the University of Toronto and Ryerson.
- 45b) This has been addressed through the Cool Schools Program, the EcoSchools Program and the Active and Safe Schools Program.
- 45c) This has been addressed through in kind assistance from TPH to organizations such as the Environmental Educators of Ontario Network, the TRCA, and the Ontario College of Family Physicians – Environmental Health Committee.
- 45e) This has been addressed through the Toronto Public Health School Committee.

Education and Awareness

45. Help Integrate the Environment and Sustainability into the Formal Education System

Description of Project/Program/Action	Linkage	Project Indicator	Targets				Status	Dept/Div Contact	
			Base Year	2003	Achieved in 2003	2004			End
Continue involvement in university- based teaching at the University of Toronto and Ryerson (e.g. Institute for Environmental Studies, Department of Public Health Sciences, School of Environmental and Occupational Health, School of Nursing, etc).								Proceeding	CNS-TPH
Provide in kind assistance to organizations such as the Environmental Educators of Ontario Network, the TRCA and the Ontario College of Family Physicians – Environmental Health Committee who influence environmental curriculum.								Proceeding	CNS-TPH
Facilitate the promotion of environmental and health information to Toronto schools through the Toronto Public Health School Committee. Activities of this committee include the production of a school health calendar and inserts to school newsletters.								Proceeding	CNS-TPH

Education and Awareness

45. Help Integrate the Environment and Sustainability into the Formal Education System

Description of Project/Program/Action	Linkage	Project Indicator	Targets				Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004		
<p>Cool Schools Program The Cool Schools Program, facilitated by The Clean Air Partnership (CAP) with the support of the Toronto Atmospheric Fund (TAF), has worked to promote environmental awareness, reduce energy consumption, and make Toronto area schools healthy places of learning. The Cool Schools Program has now entered into a partnership with the Toronto District School Board's (TDSB) EcoSchools Program, designed to make sustainable behaviour an integral part of school life by promoting environmental responsibility.</p>							Proceeding	CAP
<p>Eco Schools Program The EcoSchools program focuses on linking curriculum initiatives with actions in schools to conserve energy, minimize waste and green school grounds.</p> <p>The EcoSchools Certification Program, designed by CAP in collaboration with the TDSB, allows formal recognition of the excellent work taking place in Toronto schools. This certification program helps schools to set goals for improvement along with tracking the overall effectiveness of environmental initiatives across the TDSB. A yearly recognition event will be held at Toronto City Hall involving participating schools.</p>							Proceeding	CAP
<p>Active & Safe Schools Program TPH offers the Active and Safe Routes to School Program to Toronto area schools which helps to reduce greenhouse gases, increase safety in school zones through walk to school initiatives and helps to increase students physical activity. TPH nurses offer the program to schools and assist them in any initiatives they wish to participate in. TPH has partnered with a provincial organization called Green Cities Association, Toronto Police Services, Traffic Services of Works and Emergency Services, and both school boards. Specific initiatives of</p>							Proceeding	CNS-TPH

Education and Awareness

45. Help Integrate the Environment and Sustainability into the Formal Education System

Description of Project/Program/Action	Linkage	Project Indicator	Targets					Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004	End		
the Active & Safe Schools Program include No Idling at School Campaign, Walking School Bus and International Walk to School Day. http://www.saferoutestoschool.ca/									
<p>The TDSB and the TRCA, agencies both represented on the ETF, are developing education programs and products that utilize sustainability and environmental literacy as a framework to enhance learning while meeting the expectations of the provincial curriculum.</p> <p>Education Curriculum Internal TRCA team is currently developing an education curriculum to support TRCA's Living City vision of healthy rivers, biodiversity and sustainable communities. The curriculum is based on "systems thinking learning", and the ultimate product will provide:</p> <ul style="list-style-type: none"> - core sustainability/Living City messages (learning benchmarks) for various grade levels presented in systems thinking terms. - A primer to systems thinking - Examples for teachers to use in class 						2005	Proceeding	TDSB TRCA	
Facilitate Corporate Co-ordination of sustainability and environmental issues with TDSB to provide one window for both organizations and to avoid duplication or development of unusable programs (Corporate TDSB Co-ordination Committee) (Every Day is Earth Day Kit). The committee meets twice a year. The City's association with this program has ended.								Complete	WES-SS/Comm

Implementation of Environmental Plan Recommendations

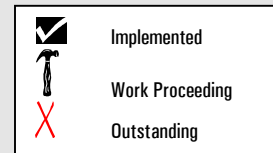
Education and Awareness



RECOMMENDATION No. 46

Increase Educational Opportunities in City Parks and Greenspaces

Recommended that the City support enhanced opportunities for nature appreciation, nature exploration and stewardship activities in city parks and greenspaces.



ETF Target (2000): Implement at least one new "educational opportunity" project in every ward by end of 2001. This target is not achievable in the absence of funding. It should not be deleted and Parks and Recreation will continue to seek funding in the base operational budget to address this target.

Overall Indicator: N/A.

Education and Awareness

46. Increase Educational Opportunities in City Parks and Greenspaces

RECOMMENDATION STATUS: Implemented (2004).

The City's Parks and Recreation division, of the City's Economic Development, Culture and Tourism Department, has initiated a number of projects involving nature appreciation, nature exploration and stewardship activities in city parks and greenspaces. These include the Stewardship forum, The Children's Garden and Exploring Toronto Programs, the Children's Teaching Conservatory, Community Stewardship Training Program, Toronto Botanical Garden, The Humber Bay Butterfly Habitat, and the Franklin Storybook Garden.

The work undertaken to address this recommendation is considered to be core business/standard operating procedure(s) for the City and work continues.

INTRODUCTION

There is tremendous opportunity to increase educational opportunities in Toronto's Parks and Greenspaces via the programs listed below, as well as through interpretive signage. Existing programs have the potential to cater to a wide variety of groups including children, youth-at-risk, and new Canadians in all areas of the City.

Education and Awareness

46. Increase Educational Opportunities in City Parks and Greenspaces

Description of Project/Program/Action	Linkage	Project Indicator	Targets				Status	Dept/Div Contact	
			Base Year	2003	Achieved in 2003	2004			End
<p>Interpretative Signage Interpretive signage is installed at Parkland Naturalization sites to provide information about the restoration projects and raise awareness of the natural environment to park users.</p>			2001		4	3	Install new signage at 3 parkland naturalization sites per year	Proceeding	EDCT-PR
<p>The Children's Garden and Exploring Toronto Programs The Children's Garden and Exploring Toronto Programs offer groups of children and youth an opportunity to learn about, experience, and enjoy urban ecology and organic gardening in the City of Toronto's parks and ravines. Through hands-on creative and holistic programming, participants are exposed to Toronto's heritage and natural history, food preparation, health and nutrition, First Nations' history, organic gardening and composting, drama, art, music, movement, storytelling and contemporary perspectives on urban environmental issues.</p>		# of Parks & Recreation facilities where programs are offered						Proceeding	EDCT-PR
<p>Children's Teaching Conservatory The Teaching Conservatory located at Allan Gardens is a historic greenhouse that is being moved from the U of T to Allan Gardens and will become the Children's Teaching Conservatory. The conservatory and future outdoor teaching gardens will offer environmental and gardening programs for students in schools across Toronto as well as providing environmental programs for the local community and high-risk youth after school. Beginning in the Fall of 2004, a pilot program will be conducted to establish this in 2004/2005.</p>		# of participants in the Teaching Conservatory program						Proceeding	EDCT-PR

Education and Awareness

46. Increase Educational Opportunities in City Parks and Greenspaces

Description of Project/Program/Action	Linkage	Project Indicator	Targets				Status	Dept/Div Contact	
			Base Year	2003	Achieved in 2003	2004			End
<p>The Parkland Naturalization Program This program includes a small component of public outreach and education. In order to address it in a more substantial and significant manner budget requests have been submitted. By engaging volunteers in tree planting and maintenance and management activities, the Parkland Naturalization program educates students and adults on Toronto's natural areas, the importance of urban ecology, native species and restoration techniques.</p>							Proceeding	EDCT-PR	
<p>Community Stewardship Training Program Initiated in 2001, this training program involves groups and individuals in ongoing monitoring and maintenance activities at naturalization sites. Through their work, volunteers learn about urban ecology, monitoring techniques, restoration practices, and Toronto parks. This is currently funded through grants and a budget request has been submitted in order to ensure this program's continuation.</p>		<p># of participants in program</p> <p># of active sites</p>	2002	65	volunteers at 13 sites		Increase # of participants by 10% per year; Expand program to one new site per year (targets depend on funding)	Proceeding	EDCT-PR
<p>Through creative funding partnerships many centres (TRCA and TDSB) are still providing exceptional outdoor learning experiences for the youth of Toronto.</p>							Proceeding	TDSB TRCA	

Education and Awareness

46. Increase Educational Opportunities in City Parks and Greenspaces

Description of Project/Program/Action	Linkage	Project Indicator	Targets				Status	Dept/Div Contact	
			Base Year	2003	Achieved in 2003	2004			End
<p>Toronto Bird Flyways Project The Toronto Bird Flyways Project will implement a series of ecological enhancements, and educational and interpretative opportunities at three sites across the City. The project will improve migration, resident and breeding bird habitat and associated birding activity and raise awareness about the international significance of Toronto ravines and parkland for bird habitat. The three proposed sites for 2004 initiation are: Humberwood (Hwy. 427 and Finch Ave. W), Milne Hollow (DVP and Lawrence Ave. E) and Woodlands Park in Rouge Park.</p> <p>Toronto is located along a major migration flyway that is integral to bird migration between North and South America. The City's natural north-south corridor orientation and its location on the edge of Lake Ontario contribute to its value for migrating birds. Because Toronto Parks and Recreation manages a majority of these lands, it has a responsibility to protect these corridors and maintain them in such a way as to protect and enhance this important function.</p>		Number of sites under active management for Bird Flyways Project				Begin on 3 sites across the City of Toronto	Project Completion - 2007	Proceeding	EDCT-PR
<p>The objectives of this project are several-fold:</p> <ul style="list-style-type: none"> • Enhance a series of suitable natural habitats across the city that attract, sustain and encourage breeding, resident, and migration functions for a diverse community of birds; • Offer Torontonians improved recreational experiences connected to bird watching and 									

Education and Awareness

46. Increase Educational Opportunities in City Parks and Greenspaces

Description of Project/Program/Action	Linkage	Project Indicator	Targets				Status	Dept/Div Contact	
			Base Year	2003	Achieved in 2003	2004			End
<p>nature enjoyment and interpretation;</p> <ul style="list-style-type: none"> • Raise awareness about the intercontinental significance of bird flyway corridors that are integral to sustaining viable populations of migratory bird species throughout North and South America; • Provide educational opportunities about natural environment lands and urban ecology issues; • Develop interesting, artistic and provocative interpretative facilities to foster the public's connection with bird ecology and the importance of urban ecosystems; • Showcase and promote some of the many local and international initiatives underway to enhance and protect bird populations; • Develop a series of state-of-the-art ecological restoration strategies that reflect natural patterns of plant community distribution and biodiversity levels according to modified Society for Ecological Restoration protocols; • Develop partnerships to, plan, implement and fund certain components of the project sites; • Create stewards across the city that can take ownership of the sites; and • Design sites to be self-sustaining projects that require a minimum operational effort. 									
<p>Heritage Watersheds Program The program aims to increase public awareness of the natural watershed heritage of Toronto's buried streams, through guided walks and talks,</p>								Complete	EDCT-PR

Education and Awareness

46. Increase Educational Opportunities in City Parks and Greenspaces

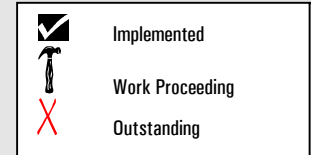
Description of Project/Program/Action	Linkage	Project Indicator	Targets					Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004	End		
interpretative signage, naturalization, and daylighting, where feasible. Moss Park River of Grasses and Trinity Square Labyrinth have been implemented.									

Implementation of Environmental Plan Recommendations

Education and Awareness



RECOMMENDATION No. 47



Support and Enhance Environmental Education Centres

Recommended that the City recognize the importance of and seek ways to strengthen the contributions made by existing outdoor education facilities run by the Toronto District School Board, the Toronto Catholic District School Board and the Toronto and Region Conservation Authority.

ETF Target (2000): No ETF Target.

Overall Indicator: N/A.

Education and Awareness

47. Support and Enhance Environmental Education Centres

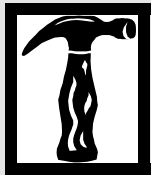
RECOMMENDATION STATUS: Outstanding.

There is no funding or resources available to undertake this recommendation.

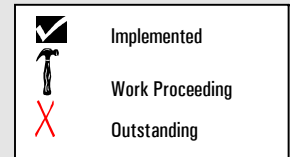
Description of Project/Program/Action	Linkage	Project Indicator	Targets				Status	Dept/Div Contact	
			Base Year	2003	Achieved in 2003	2004			End
CS-FS supports the TRCA directly with its environmental initiatives by providing alternative fuel vehicles and technical staff as requested for their events. The Green Fleet Transition Plan (2004) promotes the use of technologies that are sustainable, renewable and affordable in City applications.		eCO ₂ reduction / year					Full implementation of Plan	Proceeding in 2005	CS-FS
Many outdoor education facilities operated by the school boards have been shut down; however, the Toronto Botanical Garden (formerly known as the Civic Garden Centre), Humber Arboretum and High Park Nature Centre continue to be supported with funding and in-kind contributions.								Complete	EDCT-PR

Implementation of Environmental Plan Recommendations

Education and Awareness



RECOMMENDATION No. 48



Improve the Availability of Information on Environment and Sustainability

Recommended that the City facilitate the exchange of information on environmental and sustainability issues. It should:

- a) request the Toronto Public Library Board to promote its existing environmental resources and investigate the feasibility of establishing a sustainability collection;
- b) develop an on-line environmental information resource as part of the City website, including links to Toronto's environmental community; and
- c) request the Sustainability Roundtable to explore the opportunities for sharing information on sustainability with other organizations and agencies.

ETF Target (2000): No ETF Target.

Overall Indicator: N/A.

Education and Awareness

48. Improve the Availability of Information on Environment and Sustainability

RECOMMENDATION STATUS: Work Proceeding.

Through the activities listed below.

INTRODUCTION

TPH's Healthy People Healthy Environments web site provides online information related to air, water, pesticides, food, waste, noise, West Nile Virus, radiation, toxic chemicals and children's health. It also includes links to the environmental community.

Description of Project/Program/Action	Linkage	Project Indicator	Targets					Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004	End		
TPH's Healthy People Healthy Environments web site provides information on key environmental health issues ranging from educational resources, technical reports to policy documents. http://www.toronto.ca/health/hphe/index.htm	Rec. 2, Community Right to Know							Proceeding	CNS- TPH
In April 2004, CS-FS launched its website to promote information sharing on the initiatives and programs being carried out by the City of Toronto. The Fleet site includes important links to environmental information. http://www.toronto.ca/fleet/								Proceeding	CS-FS
Design and Develop the Environmental Services intranet and internet website.								Complete	WES-TS/ES

Education and Awareness

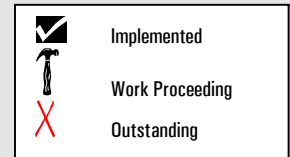
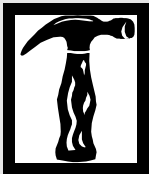
48. Improve the Availability of Information on Environment and Sustainability

Description of Project/Program/Action	Linkage	Project Indicator	Targets					Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004	End		
Parkland Naturalization Program Brochure was published in 2003.								Complete	EDCT-PR
The Sustainability Roundtable provides online resources related to sustainability. http://www.toronto.ca/sustainability/index.htm The sustainability roundtable has completed its work program.								Complete	CAO
“Green Toronto” Web Site : www.city.toronto.on.ca/greentoronto								Complete	EDCT-PR
Urban Forestry website - provides information and several fact sheets pertaining to the urban forest http://www.city.toronto.on.ca/trees/								Complete	EDCT-PR
The New Toronto Ravine By-Law brochure.								Complete	EDCT-PR
Prepared the Savannahs brochure.								Complete	EDCT-PR

Implementation of Environmental Plan Recommendations

Education and Awareness

RECOMMENDATION No. 49



Support Long-term Partnerships for Education and Outreach

Recommended that the City support the development of long-term partnerships for education and outreach on environmental and sustainability issues. The City should:

- a) provide staff resources to allow the Education and Awareness Work Group to continue to advise on and help implement elements such as a sustainability forum for educators, the Toronto Environmental/Earth Week Program in 2000, and on-line environmental information for the City's website;
- b) develop an education and outreach subcommittee to the Sustainability Roundtable to include representatives from all sectors of education;
- c) request The Toronto and Region Conservation Authority, in partnership with school boards and Toronto's environmental groups, explore the feasibility of hosting a regular sustainability forum for educators;
- d) request recognized environmental learning centres, such as the Ontario Science Centre, to promote urban sustainability in their core programs;
- e) develop partnerships and work with other environmental funding agencies, including the Community Foundation, Trillium, Great Lakes Renewal Foundation, and Environment Canada;
- f) work in partnership with Toronto's environmental community to promote skill development, access to city staff, and increased networking and information sharing; and
- g) recognize the role of business associations in promoting environmental and sustainable awareness programs to their members and develop partnerships with those working on environmental education programs.

Education and Awareness

49. Support Long-term Partnerships for Education and Research

ETF Target (2000): No ETF Target.

Overall Indicator: N/A.

RECOMMENDATION STATUS: Work Proceeding.

Work is proceeding through the activities listed below.

Description of Project/Program/Action	Linkage	Project Indicator	Targets					Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004	End		
Partner with school boards on environmental and sustainability issues for children and youth.								Proceeding	WES-SS/Comm
Partner with TDSB and TCDSB for Every Day Is Earth Day Kit.								Proceeding	WES-SS/Comm
Continue to participate in Sustainable Toronto, a university--community partnership program focussed on innovative, applied environmental research of direct relevance to implementation of the Environmental Plan.								Complete	CNS-TPH

Education and Awareness

49. Support Long-term Partnerships for Education and Research

Description of Project/Program/Action	Linkage	Project Indicator	Targets					Status	Dept/Div Contact
			Base Year	2003	Achieved in 2003	2004	End		
<p>Toronto Botanical Garden City Council adopted the establishment of this garden at its meeting of May 21-23, 2003.</p> <p>The Sustainability Roundtable annual status report recommended incorporating sustainability tools in curriculum for Executive Development Program. SRT report submitted to Policy and Finance Committee meeting on July 10, 2003.</p> <p>Partner with Learning For Sustainable Future - GTA Institute.</p> <p>Several City divisions partner with TDSB, TCDSB and TRCA for annual EnviroFestival, an education and outreach event for children held during Earth Week.</p>								Complete	EDCT-PR
								Complete	CAO CS
								Complete	CNS-TPH
								Complete	WES- SS/Comm CNS-TPH