



STAFF REPORT INFORMATION ONLY

Applications to FCM Green Municipal Fund

Date:	November 9, 2007
To:	Executive Committee
From:	City Manager
Wards:	All
Reference Number:	

SUMMARY

This report provides information on recent applications from Toronto to the Federation of Canadian Municipalities (FCM) Green Municipal Fund.

Financial Impact

Making application to FCM does not, in itself, commit the City or its agencies to undertake any financial obligations. The respective program areas will report back on any budget adjustments required because of successful applications for grants and/or low-interest loans as described in this Report.

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

Equity Statement

All Toronto residents benefit from a cleaner, healthier environment.

DECISION HISTORY

At its meeting October 2001, Council authorized the City Manager to submit applications to the FCM Green Municipal Fund (GMF) on behalf of the City and to provide a summary of applications made under this authority to the Policy and Finance Committee, PFC Report 12(7).

ISSUE BACKGROUND

The federal government established the GMF in the 2000 Federal Budget. The Fund's initial \$125 million was doubled to \$250 million in 2001, with a further \$300 million added in the 2005 Federal Budget.

FCM manages this \$550 million endowment at arms-length from the federal government. The endowment supports a range of activities related to municipal environmental projects from the early stages of program design up to the physical implementation of eligible capital projects. The GMF offers:

- Grant funding up to 50% of total eligible costs of an approved feasibility study, field test or sustainable community plan, up to a maximum of \$350,000, and,
- Below-market loans and grant funding for capital projects through a competitive Request for Proposal (RFP) process.

The eventual capital project must have the potential to demonstrate verifiable reductions in energy use or improvements in the environmental effectiveness of systems in one or more of the following municipal service areas: Energy, Water, Transportation, Solid Waste, Sustainable community planning and Brownfields.

Applicants for feasibility studies must be an incorporated Canadian municipal government organization or a public non-government organization / private-sector organization applying in partnership with a municipal government organization. Eligibility rules and amounts available for capital financing loans and grants vary in accordance with RFP terms and conditions.

COMMENTS

Strategic and Corporate Policy Division works with an interdivisional advisory committee to support the City Manager in identifying which City of Toronto applications are to be submitted to the GMF and to co-ordinate submissions from Toronto on a corporate, biannual basis. FCM approval generally takes about five months following receipt of an application, with the actual flow of funds dependant on the provisions of a legal agreement between FCM and the lead applicant.

Since the GMF's inception in 2000, projects from Toronto have been awarded:

- \$2,539,700 in grants for feasibility studies, and,
- \$822,043 in grants, \$25,561,684 in low-interest loans, and \$1,961,043 in guarantees for sustainable infrastructure projects.

The City Manager has authorized submission by the City, its agencies or community partners of the following proposals for GMF funding which are currently under FCM's review (see Appendix A for description):

Project Name	Lead Applicant/ Partner	Amount Requested from FCM (\$000)
--------------	-------------------------	-----------------------------------

Project Name	Lead Applicant/ Partner	Amount Requested from FCM (\$000)
Sustainable Parking Lot at Toronto Botanical Gardens	Parks, Forestry and Recreation/ TBG, TCHC	40.0 grant
Water, W/W Detailed Energy Audit	Toronto Water	350.0 grant
Energy Mgmt Audit and Strategic Planning	Toronto Public Library	37.5 grant
Renewable Energy Feasibility Study	TCHC	100.0 grant
Brownfield Risk Mgmt at the Don Valley Brick Works	Evergreen/ Culture	50.0 grant
Concentrating Solar PV/Thermal Collector	Facilities	273.9 grant
Wabash Green Community Centre	Parks, Forestry and Recreation	100.0 grant
260 Eighth St South Etobicoke Site Remediation – Brownfield RFP	TEDCO/ Economic Development	10,000.0 loan
Deep Lake Water Cooling Capacity Expansion – Energy RFP	Enwave	500.0 grant/ 10,000.0 loan

CONTACT

Morton Fine, Corporate Management & Policy Consultant, Strategic & Corporate Policy,
Phone: 416-397-0888; Fax: 416-696-3645; E-mail: mfine@toronto.ca

SIGNATURE

Shirley Hoy, City Manager

ATTACHMENTS

Appendix A. Project Summaries

2007 Green Municipal Fund Applications Project Summaries

Sustainable Parking Lot at Toronto Botanical Gardens

Parks, Forestry and Recreation is requesting a \$40,000 grant for its “Sustainable Parking Lot at the Toronto Botanical Garden” project. The grant will be used to study the feasibility of converting an existing City of Toronto asphalt parking lot into a more sustainable facility. The replacement lot would have improved stormwater management, better air quality, reduced sun exposure and urban heat island effects, enhanced tree canopy cover, greater energy efficiency, and reduced light pollution. Partners include the Toronto Botanical Garden and the Toronto and Region Conservation Authority.

Water and Wastewater Treatment Plants Detailed Energy Audit

Toronto Water is requesting a \$350,000 grant for its “Water and Wastewater Treatment Plants Detailed Energy Audit” project. The grant will fund energy audits of the City’s water filtration and treatment plants, which together represent 57% of City Corporate Division electricity consumption.

Feasibility Study on Energy Management Audit and Strategic Planning

Toronto Public Library is requesting a \$37,500 grant for its “Feasibility Study on Energy Management Audit and Strategic Planning”. The study will build on the considerable progress made by the installation of centrally controlled automation systems over the last seven years. The study will identify the ‘next steps’ needed to ensure that all capital investments are effective in maximizing the Library’s reduction in energy consumption.

Renewable Energy Feasibility Study for Redevelopment and Existing Sites

Toronto Community Housing Corporation is requesting a \$100,000 grant for its “Renewable Energy Feasibility Study for Redevelopment and Existing Sites”. The study will explore the available renewable energy technologies (e.g. geothermal, solar, wind and biomass) that could be used in multi-residential settings.

Brownfield Risk Management and Remediation at Toronto’s Don Valley Brick Works

Evergreen (partnered with Economic Development, Culture and Tourism) is requesting a \$50,000 grant for its “Brownfield Risk Management and Remediation at Toronto’s Don Valley Brick Works” project. Based on the MOU between the City and Evergreen, the project will support Evergreen’s requirements under the City’s Risk Management Plan for this contaminated brownfield site. Partners include Infrastructure Canada and the Ontario Heritage Trust.

Concentrating Solar Photovoltaic/ Thermal Collector

Facilities and Real Estate is requesting a \$273,915 grant for its “City of Toronto Concentrating Solar PV/Thermal Collector Demonstration Project”. The grant will support field testing new solar technology that produces both electricity and thermal energy at the Etobicoke Olympium. This project is part of the larger \$6 million Community Centres and Pools Retrofit Project approved by Council in December 2005 and will support the City’s Renewable Energy Action Plan. If the test is successful, FRE plans to increase the number of arrays at Etobicoke Olympium and study their use at other indoor pools.

Wabash Green Community Centre

Parks, Forestry and Recreation is requesting a \$100,000 grant for a feasibility study on the retrofit and renovation of a vacant former industrial building at 40-50 Wabash Avenue. The City intends to integrate the site into Sorauren Park in the Parkdale-Ronscesvalles-Sorauren neighbourhood, expanding the park and developing more recreational amenities. The City will partner with the non-profit Wabash Building Society and its volunteers. The grant will support hiring architects and engineers to incorporate various “green” features into the renovation and brownfield remediation in accordance with the City’s new Green Development Standards.

260 Eighth Street South Etobicoke Site Remediation (Brownfield RFP)

TEDCO is requesting \$10 million in low-interest loans from FCM for its “260 Eighth Street South Etobicoke Site Remediation” project. Total eligible project cost is \$12.6 million, with remaining funding from TEDCO and Economic Development, Culture and Tourism division. The funds will be used to remove and/or contain on-site contaminants. Redevelopment plans following site remediation envision a 600,000 s.f. warehousing and logistics hub. The proposed buildings will achieve LEED Silver certification, as required by FCM criteria.

Deep Lake Water Cooling Capacity Expansion (Energy RFP)

Enwave is requesting a \$500,000 grant and \$10,000,000 low-interest loan to help finance expansion of the Deep Lake Water Cooling Project. The expansion will create 20,000 to 25,000 tons of additional cooling capacity for buildings in downtown Toronto, cutting electricity consumption by 90% by using the renewable cold water resource of Lake Ontario. The floor space to be cooled will be approximately 1 million square metres or approximately 25 buildings. GHG emissions will be reduced by 90%.