



THE TORONTO AND REGION CONSERVATION AUTHORITY

Authority Meeting #11/09

Chair: Gerri Lynn O'Connor
Vice Chair: Maria Augimeri
Members:

**January 29, 2010
9:30 A.M.
SOUTH THEATRE, BLACK CREEK PIONEER VILLAGE**

AGENDA

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AUTH1. MINUTES OF MEETING #10/09, HELD ON JANUARY 8, 2010 (Enclosed herewith on <u>WHITE</u>)	
AUTH2. BUSINESS ARISING FROM THE MINUTES	
AUTH3. DISCLOSURE OF PECUNIARY INTEREST AND THE GENERAL NATURE THEREOF	
AUTH4. DELEGATIONS	
AUTH5. PRESENTATIONS	
AUTH5.1 A presentation by Jim Dillane, Director, Finance and Business Services, TRCA, in regard to item BAAB7.1 - Participating Municipality Funding.	
AUTH6. CORRESPONDENCE	
AUTH7. SECTION I - ITEMS FOR AUTHORITY ACTION	
AUTH7.1 TERRESTRIAL VOLUNTEER MONITORING PROGRAM Invasive Plant Indicator Monitoring Results 2009	18
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AUTH8.	SECTION IV - ITEMS FOR THE INFORMATION OF THE BOARD	
AUTH8.1	SUMMARY OF REQUESTS FOR QUOTATIONS AND REQUESTS FOR PROPOSALS	
	July 1, 2009 to December 31, 2009	40
AUTH8.2	WATERSHED COMMITTEE MINUTES	
	AUTH8.2.1 PARTNERS IN PROJECT GREEN	
	Minutes of Meeting #3/09, held on October 15, 2009	
EX.	MATERIAL FROM EXECUTIVE COMMITTEE MEETING #11/09, HELD ON JANUARY 15, 2010	
	(Refer to agenda pages printed on <u>PINK</u>)	
BAAB.	MATERIAL FROM BUDGET/AUDIT ADVISORY BOARD MEETING #4/09, HELD ON JANUARY 8, 2010	
	(Refer to agenda pages printed on <u>YELLOW</u>)	

NEW BUSINESS

NEXT MEETING OF THE ANNUAL AUTHORITY #1/10, TO BE HELD ON FEBRUARY 26, 2010, AT 9:30 A.M. IN THE SOUTH THEATRE, BLACK CREEK PIONEER VILLAGE

Brian Denney
Chief Administrative Officer

/ks

EX. MATERIAL FROM EXECUTIVE COMMITTEE MEETING #11/09, HELD ON JANUARY 15, 2010

(Refer to agenda pages printed on **PINK**)

EX7. SECTION I - ITEMS FOR AUTHORITY ACTION

EX7.1 REQUEST FOR DISPOSAL OF TORONTO AND REGION CONSERVATION AUTHORITY-OWNED LAND
1200, 1220 and 1240 7th Concession Road, Township of Uxbridge
CFN 30663 1276

EX7.2 GREENLANDS ACQUISITION PROJECT FOR 2006-2010
Flood Plain and Conservation Component, Rouge River Watershed
Baif Developments Limited, Regional Municipality of York
CFN 43369 1280

EX7.3 GREENLANDS ACQUISITION PROJECT FOR 2006-2010
Flood Plain and Conservation Component, Humber River Watershed
Institute of Gurmat Studies, Regional Municipality of Peel
CFN 43393 1283

EX7.4 CITY OF TORONTO
Request for a Permanent Easement for 2250 mm Diameter Watermain
Highland Creek Watershed, City of Toronto (Scarborough Community
Council Area)
CFN 43341 1286

EX8. SECTION II - ITEMS FOR EXECUTIVE ACTION

EX8.1 WILD WATER KINGDOM
Deferral of 2009 Rent 1289

EX8.2 REGIONAL WATERSHED MONITORING PROJECT
Award of Quotation Q10-34 1290

EX9. SECTION IV - ITEMS FOR THE INFORMATION OF THE BOARD

EX9.1 LOWEST BID NOT ACCEPTED
Colour Copier 1292

EX10. APPLICATIONS FOR PERMITS PURSUANT TO ONTARIO REGULATION 166/06
Development, Interference with Wetlands and Alterations to Shorelines and
Watercourses

CITY OF BRAMPTON

EX10.1 36 PACIFIC WIND CRESCENT

To construct, reconstruct, erect or place a building or structure on Lot 20, Plan 43M-1250, (36 Pacific Wind Crescent), in the City of Brampton, Etobicoke Creek Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Etobicoke Creek Watershed in order to facilitate the construction of a 16.73 square metre second storey deck structure and 15.28 square metre sunroom addition at the rear of an existing single family dwelling associated with a municipal building permit.

1297

CITY OF MISSISSAUGA

EX10.2 REGIONAL MUNICIPALITY OF PEEL

To construct, reconstruct, erect or place a building or structure, site grade, temporarily or permanently place, dump or remove any material originating on the site or elsewhere and alter a watercourse (Little Etobicoke Creek) near the south end of Loreland Avenue, City of Mississauga, Etobicoke Creek Watershed, as located on property owned by the City of Mississauga and TRCA. The purpose is to protect an existing sanitary sewer (maintenance holes and exposed concrete encasements) within the Little Etobicoke Creek valley through selective works including bank stabilization and erosion protection, and to construct a temporary access road into the valley to complete these works. The warmwater fisheries timing window will be applied to this project and a Letter of Advice will be written by TRCA on behalf of Fisheries and Oceans Canada (DFO).

1299

CITY OF PICKERING

EX10.3 67 FINCH AVENUE EAST

To change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units on Part Lot 35, Concession 1, (67 Finch Avenue East), in the City of Pickering, Petticoat Creek Watershed. The purpose is to permit construction of an addition to the existing dwelling.

1301

CITY OF TORONTO [ETOBICOKE YORK COMMUNITY COUNCIL AREA]

EX10.4 164 EDENBRIDGE DRIVE

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Part Lot 19, Plan 789, (164 Edenbridge Drive), in the City of Toronto (Etobicoke York Community Council Area), Humber River Watershed. The purpose is to construct a new two storey dwelling and swimming pool, and site grade within a Regulated Area of the Humber River Watershed. The existing dwelling will be demolished.

1302

CITY OF TORONTO [NORTH YORK COMMUNITY COUNCIL AREA]

EX10.5 CITY OF TORONTO

To construct, reconstruct, erect or place a building or structure and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on , (Duncan Mill Road near Don Mills Road), in the City of Toronto (North York Community Council Area), Don River Watershed as located on the property owned by City of Toronto. The purpose is to rehabilitate Duncan Mills Road Bridge (Bridge #754) over Don River near Don Mills Road in the City of Toronto. 1304

CITY OF TORONTO [SCARBOROUGH COMMUNITY COUNCIL AREA]

EX10.6 CITY OF TORONTO

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere in a Regulated Area on Kennedy Road near McNicoll Avenue, in the City of Toronto, Scarborough Community Council Area, Highland Creek Watershed as located on the property owned by City of Toronto. The purpose is to install a new concrete sidewalk on the east side of Kennedy Road from Passmore Road to 600m south of McNicoll Avenue in the City of Toronto. 1305

EX10.7 CITY OF TORONTO

To construct, reconstruct, erect or place a building or structure and site grade in a Regulated Area on 51 Beechgrove Drive, in the City of Toronto, Scarborough Community Council Area, Highland Creek Watershed as located on property owned by City of Toronto. The purpose is to construct a new dechlorination building on the Highland Creek Waste Water Treatment building site on Copperfield Road. A Letter of Advice will be prepared by TRCA staff on behalf of Fisheries and Oceans Canada (DFO) for this project. 1306

EX10.8 3 COMPTON DRIVE

To change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units on Lot 124, Plan 4222, (3 Compton Drive), in the City of Toronto (Scarborough Community Council Area), Don River Watershed. The purpose is to develop within a Regulated Area of the Don River watershed to facilitate construction of an attached garage addition to the side of the existing dwelling. An existing shed is to be demolished. 1308

CITY OF TORONTO [TORONTO AND EAST YORK COMMUNITY COUNCIL AREA]

EX10.9 DISTILLERY SE DEVELOPMENT CORP.

To construct, reconstruct, erect or place a building or structure, change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Part Lot 9, 10, 11, 12, Plan 108, Part Lot FORMER MARSH LANDS AND PART OF THE BED OF LAKE ONTARIO IN FRONT OF TRINITY STREET, Plan , Part Lot WATER LOT IN FRONT OF LOT 6, Plan 108, Part Lot WATER LOTS IN FRONT OF LOTS 4, 5, 6, Plan 108, Part Lot WATER LOTS IN REAR OF LOTS 7 AND 8, Plan 108, (390 Cherry Street), in the City of Toronto (Toronto and East York Community Council Area), Don River Watershed as located on the property owned by Distillery SE Development Corp.. The purpose is to excavate, install foundation shoring and construct and underground parking garage and ground floor access to facilitate the first phase of construction of a mixed use development. 1309

CITY OF VAUGHAN

EX10.10 191 REBECCA COURT

To construct, reconstruct, erect or place a building or structure on Lot 4, Plan 65M-2292, (191 Rebecca Court), in the City of Vaughan, Don River Watershed. The purpose is to construct a new detached garage, a replacement septic system and conduct minor grading works to improve the accessibility of an existing driveway within a Regulated Area of the Don River watershed at 191 Rebecca Court in the City of Vaughan. 1311

EX10.11 737 CLARENCE STREET

To construct, reconstruct, erect or place a building or structure on Part Lot 121, Plan M-2023, (737 Clarence Street), in the City of Vaughan, Humber River Watershed. The purpose is to recognize a shed that was constructed within a Regulated Area of the Humber River Watershed at 737 Clarence Street in the City of Vaughan. 1313

EX10.12 REGIONAL MUNICIPALITY OF YORK

To construct, reconstruct, erect or place a building or structure, site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse on, (Near 4824 Rutherford Road - East of Islington Avenue), in the City of Vaughan, Humber River Watershed as located on the property owned by Regional Municipality of York. The purpose is to approve stabilization measures enacted in September 2009 needed to isolate and repair a portion of the existing 1800 mm diameter York-Peel Feedermain along Rutherford Road near the East Humber River to the north of its current alignment. The new alignment is to be determined in the near future, following the completion of further technical studies. 1315

TOWN OF AJAX

EX10.13 40 CLUETT DRIVE

To construct, reconstruct, erect or place a building or structure and change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units on Lot PCL 4-1, Plan 40M1469, (40 Cluett Drive), in the Town of Ajax, Carruthers Creek Watershed. The purpose is to recognize the previous construction of an addition to a dwelling within the Regional Storm Flood Plain associated with the Carruthers Creek. 1316

TOWN OF MARKHAM

EX10.14 ANGUS GLEN GOLF CLUB

To construct, reconstruct, erect or place a building or structure on Lot 21, Concession 5, (10080 Kennedy Road), in the Town of Markham, Rouge River Watershed as located on the property owned by Angus Glen Golf Club. The purpose is to construct an addition to a pump house within the Regional Storm Flood Plain associated with the Bruce Creek. 1318

TOWNSHIP OF KING

EX10.15 REGIONAL MUNICIPALITY OF YORK

To construct, reconstruct, erect or place a building or structure, site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse - King City - Dufferin Street Creek Crossing, in the Township of King, Humber River Watershed as located on the property owned by Regional Municipality of York. The purpose is to install a 600mm diameter watermain along Dufferin Street between King-Vaughan Road and King Street near King City. Cold Water timing window will apply. The watermain passes through TRCA regulated areas and will temporarily alter an existing watercourse. A letter of Advice will be written by TRCA staff on behalf of the Department of Fisheries and Oceans Canada (DFO) for this project. 1319

EX10.16 REGIONAL MUNICIPALITY OF YORK

To construct, reconstruct, erect or place a building or structure, site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse (King City - King Road Creek Crossing), in the Township of King, Humber River Watershed as located on the property owned by Regional Municipality of York. The purpose is to install a 600mm diameter watermain running from an existing water tower on Fisher Street south of King Road, along King Road easterly to Dufferin Street. Cold Water timing window will apply. The watermain passes through TRCA regulated areas and will temporarily alter an existing watercourse. A letter of Advice will be written by TRCA staff on behalf of the Department of Fisheries and Oceans Canada (DFO) for this project. 1321

PERMIT APPLICATIONS EX10.17 - EX10.37 WERE ERRATA ITEMS:

CITY OF BRAMPTON

EX10.17 FANSHORE INVESTMENTS INC.

To site grade on Lot 12, Concession 7, N.D.S., (west side of Goreway Drive, north of Castlemore Road), in the City of Brampton, Humber River Watershed as located on the property owned by Fanshore Investments Incorporated. The purpose is to undertake works within a TRCA Regulated Area of the Humber River Watershed in order to facilitate grading and servicing works associated with a nine (9) lot residential subdivision. 1323

EX10.18 MATTAMY (CLARKWAY) HOMES

To site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Part Lot 10, Concession 10, (Caslemore Road and Clarkway Drive), in the City of Brampton, Humber River Watershed as located on the property owned by Mattamy (Clarkway) Homes. The purpose is to site grade within a Regulated area to facilitate topsoil stripping, earth works and initial servicing associated with a proposed residential plan of subdivision. 1324

EX10.19 REGIONAL MUNICIPALITY OF PEEL

To construct, reconstruct, erect or place a building or structure and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Orenda Road and Victoria Crescent, in the City of Brampton, Etobicoke Creek Watershed as located on the property owned by Regional Municipality of Peel. The purpose is to replace a watermain on Orenda Road near Steeles Avenue and Bramalea Road in the City of Brampton. With erosion and sediment controls in place, impact to the local fisheries will be mitigated and no fisheries timing window to Letter of Advice will be applied. 1326

EX10.20 REGIONAL MUNICIPALITY OF PEEL

To change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units on Part Lot 5, Plan 43R-11915, Part 2, (3, 5, 7, 9 Wellington Street East), in the City of Brampton, Etobicoke Creek Watershed as located on the property owned by the Regional Municipality of Peel. The purpose is to undertake works within a TRCA Regulated Area of the Etobicoke Creek Watershed in order to facilitate a modified entry to an existing building. 1327

CITY OF TORONTO [NORTH YORK COMMUNITY COUNCIL AREA]

EX10.21 50 WALKER ROAD

To construct, reconstruct, erect or place a building or structure on Part Lot 37, 38, Plan M-442, (50 Walker Road), in the City of Toronto (North York Community Council Area), Don River Watershed. The purpose is to develop within a Regulated Area of the Don River watershed to facilitate construction of a new two-storey dwelling with detached garage. The existing dwelling is to be demolished. 1329

CITY OF TORONTO [SCARBOROUGH COMMUNITY COUNCIL AREA]

EX10.22 CITY OF TORONTO

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on , (Kingston Road Pumping Station - 3231 Kingston Road), in the City of Toronto (Scarborough Community Council Area), Waterfront Watershed as located on the property owned by City of Toronto. The purpose is to permit installation of a new kiosk, pump replacement and piping modification on the existing pumping station. 1330

EX10.23 CITY OF TORONTO

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere (Grand River Sewage Pumping Station - 104 Grand River Boulevard), in the City of Toronto (Scarborough Community Council Area), Rouge River Watershed as located on the property owned by City of Toronto. The purpose is to permit installation of new kiosks and conduit as well as piping modifications to the existing pumping station. 1331

EX10.24 CITY OF TORONTO

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere (Fallingbrook Pumping Station - 7 Fallingbrook Drive), in the City of Toronto (Scarborough Community Council Area), Waterfront Watershed as located on the property owned by City of Toronto. The purpose is to permit installation of a new GENSET and acoustic barrier, pump and piping replacement, grinder installation, ventilation replacement and demolition and refurbishment of buildings associated with the existing pumping station. 1333

- EX10.25 CITY OF TORONTO**
To construct, reconstruct, erect or place a building or structure and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere (West Point Avenue Sewage Pumping Station - near Rouge River), in the City of Toronto (Scarborough Community Council Area), Rouge River Watershed as located on the property owned by City of Toronto. The purpose is to permit installation of new kiosks and conduit, piping modification, and demolition of the brick structure associated with the existing pumping station. 1334
- EX10.26 CITY OF TORONTO**
To construct, reconstruct, erect or place a building or structure and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere (Military Trail Sewage Pumping Station - Military Trail near Skyridge Road), in the City of Toronto (Scarborough Community Council Area), Highland Creek Watershed as located on the property owned by City of Toronto. The purpose is to permit installation of a new kiosk and conduit, piping modification, and site restoration associated with the existing pumping station. 1335
- EX10.27 CITY OF TORONTO**
To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere (Bluffer's Park Sewage Pumping Station - 14 Brimley Road South), in the City of Toronto (Scarborough Community Council Area), Waterfront Watershed as located on the property owned by City of Toronto. The purpose is to permit demolition of the existing dry pit, rehabilitation of the existing wet well, construction of new service buildings, GENSET, and acoustic barrier, pump and piping replacement and site restoration. 1337
- EX10.28 CITY OF TORONTO**
To construct, reconstruct, erect or place a building or structure and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere (Grey abbey Sewage Pumping Station - 144 Grey Abbey Trail), in the City of Toronto (Scarborough Community Council Area), Waterfront Watershed as located on the property owned by City of Toronto. The purpose is to permit piping modifications and ventilation replacement to the existing pumping station. 1338

CITY OF TORONTO [TORONTO AND EAST YORK COMMUNITY COUNCIL AREA]

WITHDRAWN

EX10.29 149 STRATHEARN ROAD

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Part Lot 82 AND PART OF LANE, Plan 2618 YORK, (149 Strathearn Road), in the City of Toronto (Toronto and East York Community Council Area), Don River Watershed. The purpose is to construct an in-ground pool, two (2) cabana structures, a spa and associated hardscaping in the rear yard of the existing single family detached dwelling at 149 Strathearn Road in the City of Toronto (Toronto and East York Community Council Area). 1339

WITHDRAWN

EX10.30 4 GLENCREST BOULEVARD

To construct, reconstruct, erect or place a building or structure and change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units on Lot 14, Plan M-605, (4 Glencrest Boulevard), in the City of Toronto (Toronto and East York Community Council Area), Don River Watershed. The purpose is to replace the existing detached garage with an attached garage, construct a full second storey addition to the existing single storey detached dwelling at 4 Glencrest Boulevard in the City of Toronto (Toronto and East York Community Council Area). This proposal also consists of a new deck to the side (north) of the existing dwelling. 1340

CITY OF VAUGHAN

EX10.31 10 WINDRUSH ROAD

To construct, reconstruct, erect or place a building or structure and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Lot 4, Plan 3755, (10 Windrush Road), in the City of Vaughan, Humber River Watershed. The purpose is to construct an in-ground pool and patio area within a Regulated Area of the Humber River watershed at 10 Windrush Road in the City of Vaughan. 1340

TOWN OF CALEDON

EX10.32 132 KING STREET EAST

To construct, reconstruct, erect or place a building or structure on Lot 30, 31, 164, Plan BOL-7, (132 King Street East), in the Town of Caledon, Humber River Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Humber River Watershed in order to facilitate the construction of a new, two-storey addition on the west side of an existing residential dwelling associated with a municipal building permit. 1341

EX10.33 SOUTHFIELDS II COMMUNITY INC.
To site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Lot 20, Plan 21T-06002C, (Kennedy Road and Mayfield Road), in the Town of Caledon, Etobicoke Creek Watershed as located on the property owned by Southfields II Community Inc. The purpose is to facilitate the reconstruction of the remaining portions of Tributary 18 of the Etobicoke Creek through Phase one of the South Fields community. 1343

TOWN OF MARKHAM

EX10.34 37 GLENBOURNE PARK DRIVE
To change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units on Part Block D, Plan 6037, (37 Glenbourne Park Drive), in the Town of Markham, Rouge River Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Rouge River watershed in order to facilitate the construction of an addition to the rear of an existing dwelling. 1345

EX10.35 REGIONAL MUNICIPALITY OF YORK
To construct, reconstruct, erect or place a building or structure and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Lot 21, Concession 7, Major Mackenzie Drive East between McCowan Road and Regional Road 48, in the Town of Markham, Rouge River Watershed as located on the property owned by Regional Municipality of York. The purpose is to install a 600mm to 750mm diameter watermain connecting an existing watermain at Major Mackenzie Drive and McCowan Road to an existing Town of Markham watermain at Ninth Line and Bur Oak Drive. A Letter of Advice (LOA) will be written by TRCA staff on behalf of Fisheries and Oceans Canada (DFO). In-water and near-water works will be subject to the warmwater fisheries timing window. 1346

EX10.36 TOWN OF MARKHAM
To construct, reconstruct, erect or place a building or structure, site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse on Lot 4, 5, Concession 9, (9th Line and 14th Avenue), in the Town of Markham, Rouge River Watershed as located on the property owned by Town of Markham. The purpose is to construct a bridge structure across a tributary of the Rouge River. 1348

EX10.37 11720 BAYVIEW AVENUE
To construct, reconstruct, erect or place a building or structure on Lot 57, Concession 1E, (11720 Bayview Avenue), in the Town of Richmond Hill, Humber River Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Rouge River Watershed in order to facilitate the construction of a new single family dwelling on a vacant lot. 1349

PERMIT APPLICATIONS EX10.38 - EX10.43 ARE PERMISSION FOR ROUTINE INFRASTRUCTURE WORKS:

Permissions for Routine Infrastructure Works Letter of Approval are implemented by Planning and Development Division staff and are received monthly by the Executive Committee. The permission of routine infrastructure works is subject to authorization by the Director, Planning and Development and signed by an appointed enforcement officer. All routine infrastructure works are located within a Regulated Area, generally within or adjacent to the hazard or natural feature and in the opinion of staff do not affect the control of flooding, erosion, dynamic beaches, pollution or the conservation of land.

CITY OF MISSISSAUGA

EX10.38 REGIONAL MUNICIPALITY OF PEEL

To undertake borehole investigations on Lot 1 AND 2, Concession 1, (Etobicoke Creek Valley at Southcreek Road), in the City of Mississauga, Etobicoke Creek Watershed as located on the property owned by City of Mississauga and Toronto Region Conservation Authority. The purpose is to drill boreholes to obtain geotechnical information in a regulated area for the proposed installation of the Etobicoke Creek sanitary trunk sewer.

1351

CITY OF PICKERING

EX10.39 CITY OF PICKERING

To undertake drainage structure general maintenance in a Regulated Area on Canso Drive, near Brock Road and Central Street, in the City of Pickering, Regional Municipality of Durham, Duffins Creek Watershed as located on property owned by the City of Pickering. The purpose is to remove deposited sediment from a constructed channel immediately below a storm sewer outfall within a warm water fisheries timing window. A Letter of Advice will be written by TRCA staff on behalf of Fisheries and Oceans Canada (DFO) for this project.

1351

EX10.40 TRANS-NORTHERN PIPELINES

To undertake sewer and watermain or utility installation or maintenance within an existing roadway on Lot 26, Concession 3, (Taunton Road and White's Road), in the City of Pickering, Duffins Creek Watershed as located on the property owned by Trans-Northern Pipelines. The purpose is to permit access and minor excavation of the site for the proposed maintenance activities.

1352

CITY OF TORONTO [SCARBOROUGH COMMUNITY COUNCIL AREA]

EX10.41 CITY OF TORONTO

To undertake road/pathway resurfacing or reconstruction on Wickware Gate (from Kennedy Road to Nantucket Boulevard), in the City of Toronto (Scarborough Community Council Area), Highland Creek Watershed as located on the property owned by City of Toronto. The purpose is to undertake road resurfacing of Wickware Gate from Kennedy Road to Nantucket Blvd. The works will include replacement of asphalt and granular roadbase and construction of sidewalk from 1181 Wickware Gate to Nantucket Blvd and replacement of curb and gutter and sections of sidewalk as required. 1352

TOWN OF MARKHAM

EX10.42 POWERSTREAM INC.

To undertake sewer and watermain or utility installation or maintenance within an existing road right-of-way in a Regulated Area on Yorktech Drive, in the Town of Markham, Regional Municipality of York, Rouge River Watershed as located on the property owned by the Town of Markham. The purpose is to construct a new concrete duct bank and installation of new electrical cable in the duct bank as well as construction of two new manholes. 1352

TOWN OF RICHMOND HILL

EX10.43 TELUS

To undertake sewer and watermain or utility installation or maintenance within an existing roadway at the North East Corner of 16th Avenue and Leslie Street in the Town of Richmond Hill, Rouge River Watershed as located on the property owned by the Regional Municipality of York. The purpose is to install Telus conduits and handwells in a regulated area at the north east corner of Leslie Street and 16th Avenue via open-cut, including over two existing culverts that convey a Beaver Creek. There will be no timing window imposed on the proposed works. 1353

PERMIT APPLICATIONS EX10.44 - EX10.54 ARE MINOR WORKS LETTER OF APPROVAL:

Permission for Minor Works Letter of Approval are implemented by Planning and Development Division staff and are received monthly by the Executive Committee. The permission of minor works is subject to authorization by the Director, Planning and Development and signed by an appointed enforcement officer. All minor works are located within a Regulated Area, outside of the floodplain and in the opinion of staff do not affect the control of flooding, erosion, dynamic beaches, pollution or the conservation of land.

CITY OF BRAMPTON

EX10.44 18 PINE TREE CRESCENT

To construct a ground floor addition or structure greater than 50 sq. m (538 sq. ft) but less than 150 sq. m (1614 sq. ft) and change the use, size, or number of dwelling units of a structure, or undertake work that does not change the footprint of the existing structure on Lot 116, Plan 679, (18 Pine Tree Crescent), in the City of Brampton, Etobicoke Creek Watershed.1353

CITY OF TORONTO [ETOBICOKE YORK COMMUNITY COUNCIL AREA]

EX10.45 67 SKYLARK ROAD

To construct a non-habitable accessory structure up to 50 sq. m (538 sq. ft) on 67 Skylark Road in the City of Toronto (Etobicoke York Community Council Area), Humber River Watershed. 1354

EX10.46 11 TREELINE COURT

To construct a non-habitable accessory structure up to 50 sq. m (538 sq. ft) and construct a ground floor addition up to 50 sq. m (538 sq. ft) on Lot 159, Plan M944, (11 Treeline Court), in the City of Toronto (Etobicoke York Community Council Area), Etobicoke Creek Watershed. 1354

CITY OF TORONTO [NORTH YORK COMMUNITY COUNCIL AREA]

EX10.47 227 NEWTON DRIVE

To construct a ground floor addition up to 50 sq. m (538 sq. ft) on Lot 106, Plan 4855, (227 Newton Drive), in the City of Toronto (North York Community Council Area), Don River Watershed. 1354

EX10.48 27 MISTY CRESCENT

To construct a ground floor addition or structure greater than 50 sq. m (538 sq. ft) but less than 150 sq. m (1614 sq. ft) on Lot 27, Plan M-1290, (27 Misty Crescent), in the City of Toronto (North York Community Council Area), Don River Watershed. 1354

CITY OF TORONTO [SCARBOROUGH COMMUNITY COUNCIL AREA]

EX10.49 78 FISHLEIGH DRIVE

To construct a ground floor addition up to 50 sq. m (538 sq. ft) and change the use, size, or number of dwelling units of a structure, or undertake work that does not change the footprint of the existing structure on Lot 130, Plan 4035, (78 Fishleigh Drive), in the City of Toronto (Scarborough Community Council Area), Waterfront Watershed. 1355

EX10.50 139 TIMBERBANK BOULEVARD

To on Lot 57, Plan M-1281, (139 Timberbank Boulevard), in the City of Toronto (Scarborough Community Council Area), Highland Creek Watershed. 1355

TOWN OF CALEDON

EX10.51 140 WALKER ROAD WEST

To construct a non-habitable accessory structure up to 50 sq. m (538 sq. ft) on Lot 2, Plan, (140 Walker Road West), in the Town of Caledon, Humber River Watershed. 1355

EX10.52 2 CARROLL COURT

To construct a non-habitable accessory structure up to 50 sq. m (538 sq. ft) on Lot 31, Plan 43M-755, (2 Carroll Court), in the Town of Caledon, Humber River Watershed. 1355

TOWN OF MARKHAM

EX10.53 115 SCIBERRAS ROAD

To construct a non-habitable accessory structure up to 50 sq. m (538 sq. ft) on , (115 Sciberras Road), in the Town of Markham, Rouge River Watershed. 1356

TOWN OF RICHMOND HILL

EX10.54 37 MORAINÉ RIDGE

To install a swimming pool on Lot 42, Plan 65M-3465, (37 Moraine Ridge), in the Town of Richmond Hill, Rouge River Watershed. 1356

BAAB. MATERIAL FROM BUDGET/AUDIT ADVISORY BOARD MEETING #4/09, HELD ON JANUARY 8, 2010

(Refer to agenda pages printed on **YELLOW**)

BAAB7. SECTION I - ITEMS FOR AUTHORITY ACTION

BAAB7.1 PARTICIPATING MUNICIPALITY FUNDING

Proposal for Additional Funding Arrangements

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BAAB8. SECTION IV - ITEMS FOR THE INFORMATION OF THE BOARD

BAAB8.1 2010 PRELIMINARY ESTIMATES, OPERATING AND CAPITAL

Status Report

181

Item AUTH7.1

TO: Chair and Members of the Authority
Meeting #11/09, January 29, 2010

FROM: Deborah Martin-Downs, Director, Ecology

RE: **TERRESTRIAL VOLUNTEER MONITORING PROGRAM**
Invasive Plant Indicator Monitoring Results 2009

KEY ISSUE

Staff report on first year results for the volunteer monitoring of terrestrial invasive plants in the Toronto and Region Conservation Authority jurisdiction.

RECOMMENDATION

WHEREAS terrestrial invasive plant species are an identified threat to the biodiversity and integrity of terrestrial ecosystems in the Toronto and Region Conservation Authority (TRCA) jurisdiction;

AND WHEREAS implementation of monitoring to determine the extent and rate of expansion for invasive species presenting the highest level of biological concern was a key recommendation in the Terrestrial Volunteer Monitoring Program: Monitoring Results 2002 - 2007 report received by the Authority at meeting #5/08;

AND WHEREAS the Authority directed staff to modify the Terrestrial Volunteer Monitoring Program (TVMP) protocols to address the information gaps and enhancements identified in the report;

THEREFORE LET IT BE RESOLVED THAT staff be directed to communicate the availability of the new invasive species monitoring protocol and data both internally and externally to partners and others involved in efforts to control invasive species and their impacts;

AND FURTHER THAT staff continue to report back on the monitoring results from the Terrestrial Volunteer Monitoring Program at regular intervals as data analysis indicates.

BACKGROUND

Since 2002, TRCA's Terrestrial Volunteer Monitoring Program has conducted terrestrial ecosystem monitoring throughout the Toronto region. Volunteers visit assigned ten hectare fixed sites ten times each year to record the presence of a set of 50 native indicator species representing a range of ecological requirements and sensitivities. Data records compiled across sub-regions and/or time series provide a basis for analysis of the condition of the terrestrial ecosystem in the region as a whole, within key land use zones (urban, urbanizing and rural) and how it is changing over time.

In 2008 a report summarizing the first five years of the TVMP was completed. The report, *Terrestrial Volunteer Monitoring Program: Monitoring Results 2002 - 2007* included a recommendation that new protocols be developed and implemented to provide for the collection of data on key invasive plant species by TVMP volunteers as a part of their monitoring work. This report was received at Authority Meeting #5/08, held on June 27, 2008, and included a recommendation to expand the program to include invasive plant species.

RATIONALE

In 2009 a new invasive plant indicator protocol was designed and implemented to record the number of occurrences of each of eight invasive plant indicators, representing forest, meadow and wetland habitats, along with an estimate of the largest occurrence ("patch") of each found on the site. This level of semi-quantitative detail provides for the categorization of the degree of severity of invasion by each species on the site. Monitoring of invasive plant indicators was combined with the two regular summer surveys, one during each of July and August.

Invasive plant indicators were selected from a larger list of high priority species identified by TRCA flora biologists, based on the feasibility for volunteers to effectively identify and survey them on a ten hectare site in a two hour survey. The eight indicators selected are:

- garlic mustard (*Alliaria petiolata*);
- dog-strangling vine, also known as swallowwort (*Cynanchum rossicum* & *C. nigrum*);
- common buckthorn (*Rhamnus cathartica*);
- glossy buckthorn (*Rhamnus frangula*);
- Himalayan balsam (*Impatiens glandulifera*);
- common reed (*Phragmites australis australis*);
- periwinkle (*Vinca minor*);
- European frog-bit (*Hydrocharis morsus-ranae*).

The new protocol differs significantly from those used to monitor native indicator species, since it requires volunteers to not only identify the presence of the target invasive species on the 10 hectare fixed monitoring site, but also to count the number of occurrences (i.e. areas of dominance, or "patches") of each within the site and estimate the size of the largest patch found.

The new protocol is unique to TRCA, largely due to the lack of any pre-existing accepted standardized protocols applicable to invasive species monitoring over large areas by volunteers. The protocol has been documented and could be followed by others wishing to implement a similar monitoring effort.

Summary of Results from 2009

Results for the first year have been compiled, summarized and assessed for the severity of invasion by individual invasive indicators on the sites. The determination of severity takes into account both the number of patches found and the size of the largest one. In forest or meadow habitat, infestation by a species is assessed as severe if that species is dominant in an area comprising over one hectare of the site, or if more than five patches of dominance are found, with at least one of them being over 100 square metres. In wetland habitat, which makes up a much smaller proportion of the site area, the presence of a single patch of an invader that is larger than 100 square metres results in assessment of the invasion as severe. Analysis has not yet been conducted to investigate the relationship between the presence or severity of invasion by an invasive indicator and the presence of native indicator species. This will be incorporated into the next periodic monitoring results report.

Compiled data for 2009 is summarized as follows:

- A total of 44 sites distributed across the TRCA jurisdiction were surveyed in July and August 2009.
- Only four of the sites were found to have none of the invasive indicators.
- Seven of the eight invasive indicators were found within TVMP fixed sites.
- European frog-bit, while not found on any TVMP site, was observed in the Duffins marsh area, immediately adjacent to a volunteer site and was reported to TRCA staff botanists; it has been previously reported in eastern Ontario, but this is the first TRCA record.
- Common buckthorn was both found at the greatest number of sites (73%) and was the species with the highest severity of invasion, being categorized as severe at 10 of 44 sites (23%).
- Garlic mustard was also very commonly found (70% of sites), and severe at 6 of 44 (14%).
- Dog-strangling vine occurred at 48% of sites with 23% in the severe category.
- Himalayan balsam was found at six sites (14%), severely invading one.
- Common reed occurred at seven (16%) and was severe at four (9%).
- Glossy buckthorn was confirmed at two (5%), neither categorized as severe.
- Periwinkle occurred at four sites (9%), severely invading one.
- One half of TVMP sites were severely invaded by at least one of the indicators, with 15 sites (34%) having an invasive species dominant in an area greater than one hectare, which represents over 10% of the total site area.
- The number of invasive indicators found per site ranged from 0 to 4.

The final 2009 survey protocol proved to be feasible for trained volunteers to apply. The invasive species data will assist TRCA in interpreting the presence/absence results for the native species monitored under the TVMP in order to draw conclusions regarding the condition of the regional terrestrial ecosystem and make recommendations toward preserving regional biodiversity. It will also help to prioritize invasive species management activities by TRCA. The protocol can be easily modified where additional species of concern are identified.

DETAILS OF WORK TO BE DONE

- As this work represents the first year of a long term effort, ongoing data collection, analysis and reporting will continue.

- TRCA staff will communicate with municipal partners and others to ensure that the information is made available to municipalities, academia, other agencies and stakeholders. Staff will continue to make the information available to past and present volunteers and participating landowners.
- Future monitoring will track whether, and to what extent, the recorded invasions increase or decrease over time and will investigate the impact they are having on the condition of the ecosystem. Survey results will also be reviewed from the perspectives of protocol repeatability and consistency of implementation by different volunteers. For example, should data show erratic changes in the level of invasion, an investigation into the consistency of protocol application would be undertaken.
- Staff will also pursue opportunities to consolidate data on the location and extent of invasive plant species within the TRCA jurisdiction in order to assist with land management planning, terrestrial natural heritage recovery planning and restoration activities.

FINANCIAL DETAILS

The Terrestrial Volunteer Monitoring Program is a long-term monitoring component of the Regional Watershed Monitoring Program, funded by the City of Toronto and the regional municipalities of York, Peel and Durham. The cost to operate the TVMP in 2009 was \$60,569. The addition of new elements related to the invasive species monitoring was timed to coincide with a periodic update of volunteer support materials and therefore did not add to overall cost.

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Date: January 05, 2010

Item AUTH7.2

TO: Chair and Members of the Authority
Meeting #11/09, January 29, 2010

FROM: Deborah Martin-Downs, Director, Ecology

RE: **GETTING TO CARBON NEUTRAL: A GUIDE FOR CANADIAN MUNICIPALITIES**

KEY ISSUE

Receipt of report on achieving carbon neutrality and approval of next steps.

RECOMMENDATION

THAT the report on Getting to Carbon Neutral: A Guide for Canadian Municipalities, be received;

THAT the report be circulated to Toronto and Region Conservation Authority (TRCA) member municipalities and TRCA staff meet with member municipalities and municipal associations to discuss creation of a working group on climate change mitigation and getting to carbon neutral;

AND FURTHER THAT TRCA seek funding for additional research projects, workshops and planning tools, stemming from this report.

BACKGROUND

In the fall of 2008 a monetary grant of \$30,000 was provided to Chris Kennedy at the University of Toronto to support M.Sc and PhD students in engineering to undertake research and prepare a report entitled "Getting to Carbon Neutral: A Guide for Canadian Municipalities".

The purpose of the project was to prepare a guide book that could assist medium to large municipalities with understanding the concept of carbon neutral and the strategic activities that could assist them in achieving that outcome. Carbon neutral is defined as a state where direct and indirect greenhouse gas emissions from the municipality minus sequestered carbon and offsets, sum to zero. The guide provides:

- A collection of case studies of best practices in sustainable urban design and planning worldwide.
- Guidelines for estimating the GHG emission reductions from a wide range of strategies that may be pursued by Canadian municipalities.
- An example of how integration of these strategies can be used to reduce a municipality's per capita GHG emissions by over 70%.

The report is primarily a quantitative guide, describing a variety of technological and urban planning strategies that can be used to substantially reduce community greenhouse gas (GHG) emissions for a municipality. The guide also provides some information on the costs of strategies and ways in which barriers to implementation have been overcome. These are demonstrated by about 70 case studies, many of which are included in the guidebook.

The project was led by TRCA staff, with guidance from a steering committee with representatives from the Region of Peel, City of Vaughan, City of Toronto, Town of Markham and Natural Resources Canada. Copies of the report will be available at the meeting.

RATIONALE

Municipalities are well positioned to be able to significantly influence greenhouse gas emissions in their communities. A recent study by the Federation of Canadian Municipalities found that municipalities directly or indirectly influence activities that account for 44 percent of GHG emissions in Canada.

Many municipalities, locally and across Canada, have already undertaken inventories of their own corporate greenhouse gas emissions and in some cases their communities. Others have created, or are in the process of creating, Climate Change Action Plans dealing with both mitigation and adaptation.

With all of this activity and opportunity, in discussions with municipal staff and experts in GHG emissions, it was felt that there was a gap in knowledge around the strategic actions that could best assist municipalities in reducing GHG emissions and a lack of understanding of the concept of carbon neutral and how to get there. This project was initiated to begin filling those gaps in knowledge and understanding.

Study Findings

Most of the recommendations from the report are not new, which should not be surprising since the research looked for practices that were being applied today or would be in the near future. But rather, the report tries to provide a strategic context around these actions to assist the practitioner in determining the actions that provide the best GHG emission reductions for the cost. To follow is a brief summary of the project results.

Ten Actions Required by Canadian Municipalities to Become Carbon Neutral

The case studies, estimation guidelines and example application support the following recommendations as to how Canadian municipalities can become carbon neutral.

1. Develop Bold, Ambitious Building Codes

The state-of-the art in green or sustainable building has already exceeded the requirements for carbon neutral buildings. By reducing energy demand, utilizing solar energy and tapping waste heat sources, buildings have already been constructed in Canada that are at, or close to, carbon neutral. Chapter 3 provides rules for determining savings obtainable from energy efficient envelopes, photovoltaics, solar water heaters, solar air heaters, passive solar design and ground source heat pumps. Either working with their provinces, or independently, Canadian municipalities need to encourage widespread adoption of these technologies by ambitious updates to their building codes.

2. **Accelerate the Retrofitting of the Existing Building Stock**
The greatest challenge for reducing building related GHG emissions comes from the existing building stock. Chapter 3 provides a check-list for a comprehensive building or facility energy audit, and rules for estimating savings from retrofits to low-rise and high-rise residential buildings. The expanded example application in Chapter 8 suggests that savings of 2.7 M t CO₂e / year could be reached in Toronto by retrofitting all buildings to the 2012 building code standard. Particular opportunities lie in retrofitting high-rise buildings, such as with the Mayor's Tower Renewal project in Toronto. Municipalities need to accelerate the retrofitting of buildings – both their own and those of the wider community. This may require establishing revolving capital funds, or other financial incentives.
3. **Build Transit Systems Supported by Appropriate Land-use and Financing Mechanisms**
Chapter 4 presents the Municipal Transportation and Greenhouse-gases (MUNTAG) model. The model integrates a series of guidelines on land-use, public transportation, active transportation, financial policies and vehicle technologies to provide a powerful tool for assessing potential reductions in urban transportation emissions.

Encouraging the public to shift from automobiles to low emissions public transit is a huge challenge. Developing transit supportive communities is necessary, but not sufficient; municipalities also have to find ways of actually building and supporting the transit systems. Ultimately the development of sustainable urban transportation requires a new financial model by which revenues from road tolls, area pricing, parking, and other sources are used to invest in substantial transit infrastructure.

4. **Design Neighbourhoods in which Residents Love to Walk and Cycle**
One of the four pillars of sustainable urban transportation is to support major transit infrastructure through local neighbourhood design. Essentially this means creating attractive, relatively dense, mixed-use neighbourhoods where people love to walk and cycle. Chapter 4 provides guidelines for estimating the mode share impacts from providing bicycle facilities, along with case studies of cycling and pedestrian initiatives.
5. **Encourage the Adoption of Electric or Low-emissions Vehicles**
Changing vehicle technology is another strategy for reducing transportation sector GHG emissions. Chapter 4 provides data and information on the emissions factors for biofuel, fuel cell, plug-in hybrid and hybrid-electric vehicles, which are incorporated into the MUNTAG model. The widespread adoption of these vehicles depends largely on the incentives provided by federal, state and provincial governments in North America. There are also ways that municipal governments can help, by greening their own fleets, regulating taxi fleets and providing reduced parking fees or other advantages to green vehicles.

6. Green the Electricity Supply

Greening the electricity supply is essential not only to reduce emissions from current demands, but to provide low carbon electricity supply to replace fossil fuel use in other sectors, e.g., to provide for electric vehicles and ground-source heat pumps. As a review of GHG inventorying procedures in Chapter 2 shows, however, there are stark differences in the GHG intensity of electricity supply between Canadian provinces. Municipalities in Alberta and Saskatchewan have GHG intensities of over 800 t CO₂e / GWh, while those in British Columbia, Newfoundland, and Quebec are at 20 t CO₂e / GWh or lower due to their greater reliance on hydro power. Reaching carbon neutral will be particularly difficult for those municipalities with high carbon intensity electricity. Chapter 3 provides rules for estimating savings from energy efficient appliances and lighting, as well as photovoltaics. Municipalities with high carbon intensity will need to consider investing in larger scale green electricity supply systems. Examples such as wind, small hydro, wave, tidal, concentrating solar and geothermal power are provided by the case studies in Chapter 5.

7. Undertake Integrated Community Energy Planning

A new model of local energy planning is emerging, which enables municipalities to harness energy from a variety of community sources. As well as the building scale sources of Chapter 3, technologies such as aquifer and borehole thermal energy storage may be developed. These may be combined with district energy systems, combined heat and power facilities, or other energy technologies that tap waste streams, as described in Chapter 5. This evolving model suggests that the community scale can provide a sufficient economy of scale for integrated resource recovery and levelling of load diversity, while maintaining system reliability. To exploit such opportunities, municipalities will need to fundamentally change the way they undertake energy planning and management.

8. Keep Harvesting the Solid Waste Streams

While GHG emissions from solid waste streams are modest in most Canadian municipalities, waste management strategies continue to be the 'low hanging fruit' in terms of GHG reduction. This is shown in Chapter 7 which includes calculations of the cost effectiveness (annual GHG saving per dollar of capital expenditure) for over 20 of the case studies. Comparison with projects funded by the Federation of Canadian Municipalities shows that waste projects have generally been the most cost-effective.

Chapter 6 provides guidelines for estimating the emissions reduction for solid waste management – for recycling, waste incineration and methane capture. The overall principle of the three Rs (reduce, reuse, recycle) also holds well for lowering GHG emissions.

9. Seek Efficiency in Municipal Services

To provide leadership to the community, municipal governments should aggressively pursue reductions in GHG emissions from their corporate buildings and municipal services. Often of significance amongst corporate emissions are those associated with the energy required to provide municipal water and wastewater supplies. Chapter 6 provides energy conservation opportunities and strategies for increasing the efficiency of water and wastewater systems. Guidelines for estimating the energy savings from water, wastewater and other municipal services are also given in Chapter 6.

10. Green the City

While the focus of this guidebook is mitigation of urban GHG emissions, municipalities also need to adapt to climate change. Greening the city with greenroofs and urban forestry is of benefit on both fronts; guidelines for estimating the GHG savings are provided in Chapters 3 and 6. Also included in Chapter 6 are estimation guidelines for urban agriculture and CO₂ enriched greenhouses.

NEXT STEPS

The project steering committee recommended the following next steps for the project:

- publish the report and provide copies to member municipalities;
- present the report findings and next steps to local and regional municipalities as well as appropriate municipal associations;
- establish a working group of municipal staff to foster collaboration and knowledge sharing around climate change mitigation;
- develop a website through which to share information and resources around getting to carbon neutral;
- develop an online tool (based on the report) that allows municipalities to use their own emissions information to evaluate mitigation scenarios at a high level;
- host a workshop on climate change mitigation for municipalities.

FINANCIAL DETAILS

The report development cost was \$50,000 and was funded out of TRCA's Community Transformation Program accounts, using Peel Climate Change, and York and Toronto capital funds.

In 2010, TRCA anticipates \$50,000 in expenditures associated with report publication and next steps, which will be funded. Staff will seek additional funding partners.

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Date: October 27, 2009

Item AUTH7.3

TO: Chair and Members of the Authority
Meeting #11/09, January 29, 2010

FROM: Adele Freeman, Director, Watershed Management

RE: **PORT UNION STEWARDSHIP INITIATIVE**
Final Report

KEY ISSUE

The accomplishments of the Port Union Stewardship Initiative.

RECOMMENDATION

THAT Toronto and Region Conservation Authority (TRCA) thank and acknowledge the project partners who contributed to the success of the Port Union Stewardship Initiative from January 2007 to December 31st, 2009.

BACKGROUND

In 2007, a partnership with the Centennial Community Recreation Association, West Rouge Community Association and the City of Toronto resulted in the securement of \$55,000 in funding through an Environment Canada EcoAction grant. During this two-year community stewardship project, we implemented deliverables to raise public awareness of environmental issues and opportunities within the Adams Creek watershed. These objectives were achieved through hands-on activities, including tree plantings, bird box installation and community cleanup events and awareness programs, including displays and articles in community publications.

As of December 31st, 2009, the EcoAction deliverables associated with the Port Union Stewardship Initiative were completed.

The expected targets and actual achievements are summarized below:

Expected Targets (2007–2009)	Project Accomplishments (2007–2009)
Engage a minimum of 600 volunteers per year for a total of 1200	Engaged 1512 individuals throughout the two years
Engage the public in a minimum of 4 planting events at the demonstration sites	Hosted 7 planting events in various sites in the Port Union area
Host 2 public Great Canadian Shoreline Cleanups	Hosted 2 public Great Canadian Shoreline Cleanups in Port Union Waterfront Park
Remove 10 bags of garbage/litter from local parklands	Removed 18 bags of garbage from the local parklands
Install and monitor a minimum of 25 songbird boxes	Installed 145 bird boxes in the fall of 2009. Monitoring cannot occur until they are used.
Develop and install a minimum of 1 interpretive sign per demonstration site for a total of 2 signs	Installed 1 interpretive sign in the Port Union Waterfront Park. Second sign is in the development stage with the City of Toronto.
Develop 1 Port Union display and setup at a minimum of 2 events per year	Set up a display at nine events throughout the two years of the project
Produce a minimum of 8 environmental articles	Produced 8 environmental articles over the two years
Engage a minimum of 2 local schools per year in a school naturalization project	Engaged 2 schools in a school naturalization project

These deliverables were accomplished in the following areas in the Port Union Community:

- Port Union Waterfront Park;
- Port Union Village Commons;
- Adams Park;
- Sir Oliver Mowat Collegiate Institute;
- St. Brendan's Catholic Public School.

DETAILS OF WORK TO BE DONE

The final audit and final report is due to EcoAction by February 28, 2010.

TRCA staff will continue to support the community partnerships that were established and developed through this two year initiative. As part of the momentum created through this project, the community has initiated three annual events in the Port Union area. These events include the Port Union Waterfront Festival organized through Councillor Moeser's office, an Earth Day cleanup and Winterfest. Stewardship staff will stay connected with community members and contribute to those events in 2010 as requested.

With the second phase of the Port Union Waterfront Park estimated to be completed in 2011, there will be additional opportunities for fundraising and stewardship activities in the community once this park becomes open to the public.

FINANCIAL DETAILS

Core funding for the Port Union Stewardship Initiative was provided by Environment Canada's EcoAction grant (\$55,000) and the Regional Municipality of Toronto (\$30,000) for a total of \$85,000. In-kind support from community groups such as the Centennial Community Recreation Association and West Rouge Community Association totalled \$77,699.

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Date: January 15, 2010

Item AUTH7.4

TO: Chair and Members of the Authority
Meeting #11/09, January 29, 2010

FROM: Adele Freeman, Director, Watershed Management

RE: **HEALTHY HEADWATERS INITIATIVE**
Final Report

KEY ISSUE

The successful completion of the Healthy Headwaters Initiative - A Petticoat Creek Watershed Stewardship project.

RECOMMENDATION

THAT Toronto and Region Conservation Authority (TRCA) thank and acknowledge the project partners who contributed to the success of the Healthy Headwaters Initiative from January 2008 to December 31, 2009.

BACKGROUND

In 2007, a partnership with the Altona Forest Stewardship Committee, City of Pickering, community groups, Dunbarton High School and TRCA resulted in the securement of \$50,000 through an Environment Canada EcoAction grant. During this two-year community stewardship project, we implemented deliverables to raise public awareness of environmental issues and opportunities within the Petticoat Creek watershed. These objectives were achieved through hands-on and awareness building activities such as outreach workshops (including a Natural Neighbours workshop and a Water Ways workshop), habitat restoration, clean-up events, volunteer monitoring and newsletters.

As of December 31st, 2009, the EcoAction deliverables associated with the Healthy Headwaters Initiative were completed.

The expected targets and actual achievements are summarized below:

Expected Project Targets	Completed Project Accomplishments
Hold 4 public events	17 public events, including outreach workshops, hikes and planting events
Engage 250 volunteers	837 volunteers, including elementary and high schools, Ontario Power Generation (OPG) employees, community members
Engage schools in aquatic plants program	3 schools participated in aquatic plants program
Plant 750 native plants	1002 native plants, including trees, shrubs and wildflowers
Install 2 wildlife structures	1 butterfly meadow, 20 brush piles, 1 amphibian pond (assisted)
Develop and implement volunteer monitoring program	1 high school was engaged in a multiple year monitoring program

A number of additional activities were also accomplished, including the installation of five rain barrels by community members at their homes, the installation of a trailhead kiosk with map and a new boardwalk in Altona Forest, the removal of 40 bags of garbage and invasive species from Altona Forest, and the production of an annual newsletter.

Activities accomplished within Altona Forest with local elementary schools were commended by the 2008 Communities in Bloom judges.

DETAILS OF WORK TO BE DONE

The final audit and final report is due to EcoAction by February 28, 2010.

TRCA staff will continue to support the community partnerships that were established and developed through this two year initiative. Environment Stewardship Pickering (ESP) was launched in 2008 to expand the work started in the City of Pickering through the Frenchman's Bay Watershed Rehabilitation Project (1998 to 2007). Conservation Land Planning and Stewardship staff will continue to work with new and existing partners to develop and implement stewardship initiatives throughout the community.

FINANCIAL DETAILS

Two years of funding for this project totaled \$70,000. Funding was provided from EcoAction in the amount of \$50,000 and Durham Region in the amount of \$20,000. In-kind support from the partner agencies (City of Pickering, Durham Region, Ontario Power Generation, Altona Forest Stewardship Committee, Dunbarton High School, Altona Forest Public School, Gandatsetiagon Public School and St. Elizabeth Seton Catholic School) totaled \$50,000.

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Date: January 13, 2009

Item AUTH7.6

TO: Chair and Members of the Authority
Meeting #11/09, January 29, 2010

FROM: Brian Denney, Chief Administrative Officer

RE: **RULES OF CONDUCT**
Teleconferencing

KEY ISSUE

Use of teleconferencing at Toronto and Region Conservation Authority board meetings.

RECOMMENDATION

THAT the Rules of Conduct for Toronto and Region Conservation Authority (TRCA) be amended to allow for teleconferencing at Authority meetings only when quorum otherwise cannot be reached.

BACKGROUND

At Authority Meeting #10/09, held on January 8, 2010, the Authority directed staff to report on the viability of allowing members to participate in Authority meetings by teleconference when the agenda is believed to have relatively few items and no major presentations or important delegations.

Currently Section 26.4 of TRCA's Rules of Conduct reads as follows in regard to this matter:

- 26.4 Teleconferencing shall be an option for TRCA Executive Committee and advisory board meetings only when:*
- 26.4.1 quorum cannot otherwise be reached; or*
 - 26.4.2 the agenda has a moderate number of routine items and includes no delegations, presentations or hearings; or*
 - 26.4.3 it is the August Executive Committee meeting scheduled to deal with Section II items only.*

Staff has also been requested to look into technology that would facilitate more effective teleconference meetings.

RATIONALE

TRCA staff is recommending that the Rules of Conduct be changed to allow teleconferencing at Authority meetings **only** when quorum cannot otherwise be achieved. The above-noted Section 26.4 would not change as it pertains to Executive Committee and advisory board meetings. The Rules of Conduct would be amended to read as follows:

- 26.4 **Teleconferencing shall be an option at Authority meetings only when quorum cannot otherwise be reached, and for Executive Committee and advisory board meetings only when:***
- 26.4.1 quorum cannot otherwise be reached; or*

- 26.4.2 *the agenda has a moderate number of routine items and includes no delegations, presentations or hearings; or*
- 26.4.3 *it is the August Executive Committee meeting scheduled to deal with Section II items only.*

The recommendation to allow teleconferencing at Authority meetings only when quorum cannot be reached is based on the following:

1. Public Access

When the Authority approved the change in governance structure, which came into effect with Annual Authority Meeting #1/08, held on February 29, 2008, to eliminate the Public Use and Watershed Management advisory boards, Authority members indicated the need to ensure that the Authority remain a publically accessibly body and that members of the public always have open access to the members at meetings. Participation in person is essential to providing this level of service.

2. Agenda Length

The history of Authority meetings in the two years since the new governance structure was implemented is that no Authority meeting were less than 60 minutes and the average length of Authority meetings was 150 minutes.

3. Agenda Items

It is very difficult to predict which items will involve significant discussion. Some meetings which have gone for more than 2 hours were believed by some members to have represented a "light agenda". The items on these "light agenda" meetings were of considerable interest to enough members that a meaningful and healthy dialogue ensued with the meeting being relatively lengthy.

4. Precedent

The Authority has held meetings with participation by teleconference on rare occasions.

Staff recommends that the Rules of Conduct change to allow for teleconferencing only when quorum cannot be otherwise reached. It is anticipated that this practice would be required very infrequently as the meeting schedule has been structured to avoid as many conflicts as possible. This should happen only in exceptional situations.

In regard to the matter of technology, staff will consider use of improved teleconference technology (including video/internet options) subject to financial feasibility and meeting room constraints. A report will follow later this year.

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Date: January 12, 2010

Item AUTH7.7

TO: Chair and Members of the Authority
Meeting #11/09, January 29, 2010

FROM: Nick Saccone, Director, Restoration Services

RE: **SCARBOROUGH WATERFRONT ACCESS PLAN, CITY OF TORONTO**

KEY ISSUE

Direction to respond to Toronto Water request for information on Scarborough waterfront access opportunities.

RECOMMENDATION

THAT Toronto and Region Conservation Authority (TRCA) staff be directed to provide Scarborough waterfront access options for Toronto Water's consideration in response to a request to the General Manager, Toronto Water by the Public Works and Infrastructure Committee to report on a beneficial use option for the Biosolids Master Plan as it relates to the Highland Creek Treatment Plant;

THAT staff be directed to continue to provide other information as required by Toronto Water;

AND FURTHER THAT staff report back to the Authority on the outcome of Toronto Water's report to the Public Works and Infrastructure Committee.

BACKGROUND

The foundation of waterfront planning and development undertaken by TRCA over the years, has been based on the Waterfront Plan for the Metropolitan Toronto Planning Area, 1967 (The Plan), commissioned by the Metropolitan Toronto Planning Board. In 1970, the Ministry of the Environment designated Metropolitan Toronto and Region Conservation Authority (now TRCA) as the implementation agency for The Plan, with the exception of the central harbour area which is regulated by the Toronto Port Authority.

TRCA commenced implementation of The Plan in 1971 with the development of major waterfront amenities including the Humber Bay Park Complex, Ashbridges Bay Park, Bluffers Park and the Petticoat Creek Conservation Area.

In 1980, TRCA consolidated its resource management plans and programs into the policy document, *Watershed Plan. The Lake Ontario Waterfront Development Program* (1980), part of the Watershed Plan, utilized the *Waterfront Plan for the Metropolitan Toronto Planning Area* (1967) as the foundation and devised a Program for its implementation. The objective of the Program is “to create a handsome waterfront, balanced in its land use, which will complement adjacent areas, taking cognizance of existing residential development and making accessible, wherever possible, features which warrant public use”. The Program identified the Scarborough sector as possessing some of the most spectacular landforms of the entire waterfront. The preservation of significant natural features, facilitation of public access and the management of shoreline features continue to be key considerations in this sector.

The *Shoreline Management Program* (1980), part of the Watershed Plan, addressed the prevention of potential hazards in areas vulnerable to the effects of flooding and erosion. The objective of the Program is “to undertake a comprehensive program of shoreline management designed to prevent, eliminate, or reduce the risk of hazard to life and property, while cognizant of the natural attributes of the lakefront setting”.

In 1991, the Royal Commission on the Future of the Toronto Waterfront released its report, *Regeneration*. This report was the culmination of research undertaken by the Royal Commission, led by the Honourable David Crombie, to inquire into and make recommendations regarding the future of the Toronto waterfront. The report recommended that waterfront development follow the ecosystem approach that takes into consideration ecological, social and economic factors in the development of the waterfront. The key principles of the ecosystem approach are a clean, green, useable, diverse, open, accessible, connected, affordable and attractive waterfront.

In 1994, the Municipal Council of Metropolitan Toronto replaced the *Waterfront Plan for the Metropolitan Toronto Planning Area (1967)* and adopted the *Metropolitan Waterfront Plan*. One of the guiding principles of the plan is accessibility. The plan states, "There must be full public access to the services, facilities and opportunities on the waterfront." One of the key objectives identified in the plan is to provide for continuous public access along the Toronto waterfront for public use and enjoyment.

As recommended in *Regeneration* (1991), TRCA developed the *Integrated Shoreline Management Plan* (ISMP) in 1996 as an evolution to waterfront development. The goal of the ISMP is “to provide an ecosystem-based framework to ensure that shoreline management activities result in a clean, green, accessible, diverse, connected, open, affordable, attractive and useable waterfront”. The ISMP set out recommendations for shoreline regeneration, public access and safety, natural heritage targets, aquatic habitat restoration and public use for this area of TRCA’s jurisdiction. The shoreline below Sylvan Park and Sylvan Avenue east of the Bellamy Ravine, was the first waterfront amenity designed with the ecosystem approach in mind, combining shoreline protection works with public accessibility and habitat restoration.

TRCA has been implementing shoreline protection and public access projects, on a sector by sector basis, as funding would allow, over the last 30 years. Various projects have been proceeding through the approvals process and are awaiting funding. A preliminary concept was prepared in early 2009 to identify all of the components of work required to complete the Scarborough shoreline. Recent deliberations at the City of Toronto concerning sewage treatment and biosolids management at the Highland Creek Water Pollution Control Plant have raised questions about any possible synergies between the two independent projects ie. the Highland Creek plant and the shoreline trail.

All aspects of water production, transmission and distribution, wastewater collection and treatment, and stormwater collection, transmission and treatment in the City of Toronto are the responsibility of Toronto Water. As part of the City of Toronto's mandate to provide water and wastewater services, it is responsible for planning and providing for the management of wastewater biosolids and water residuals. Following the development of a draft Biosolids and Residuals Master Plan (BRMP), under the Municipal Engineers Association Class Environmental Assessment (EA) process in 2004, the City undertook a peer review of the draft BRMP. In light of recommendations made during the peer review (related to scoring criteria and decision making) and changes to biosolids management opportunities, regulations and costs and constraints, the City of Toronto initiated the Biosolids Master Plan (BMP) Update in 2008. The goal of this project is to deliver an updated BMP report that the City will use as a guide to plan for future projects and activities for biosolids management focusing on the City's four wastewater treatment plants.

As part of this exercise, the City is contemplating future improvements to the operation of the Highland Treatment Plant, which includes consideration of all disposal and transport options for the sludge that may be available.

Based on TRCA's mandate and almost thirty years of experience in the planning and design of waterfront amenities, in November 2009, TRCA staff was asked to prepare a plan for the Scarborough waterfront that would facilitate continuous access between Bluffers Park and the Highland Creek Treatment Plant. Providing access along this area of the waterfront poses significant challenges as this section of the Lake Ontario shoreline is dominated by the Scarborough Bluffs, which begin east of Victoria Park Avenue and extend 15 km in a northeasterly direction to Highland Creek. The Bluffs range up to 91.4 m in height, rising to the spectacular Needles and Cathedral Bluffs near Brimley Road. Erosion, through wave action, wind action, groundwater seepage, surface runoff and freeze/thaw action, has shaped the Scarborough shoreline. Large segments of the shoreline are in public ownership; however, due to grade issues related to the Bluffs there are limited public access points (pedestrian or vehicular) to the water's edge except through Bluffers Park at Brimley Road, Guild Inn at Galloway Road and East Point Park at Beechgrove Drive.

Utilizing the fundamental principles of the aforementioned waterfront planning initiatives, and an initial concept prepared by TRCA as part of the 2010 budget submission, staff prepared a preliminary concept and budget for the planning, design and implementation of a potential Scarborough waterfront access route. This plan outlined an 8.5 kilometre continuous waterfront access route meeting the specifications provided by Toronto Water and shoreline requirements, on a sector-by-sector basis, between Bluffers Park and East Point Park. A key consideration of this plan includes the integration of TRCA's existing shoreline infrastructure and works already underway across the Scarborough waterfront.

The plan also recognized the need to address risks associated with ongoing erosion and coastal processes, aquatic and terrestrial habitat improvements and associated public use amenities.

At the City of Toronto's Public Works and Infrastructure Committee Meeting, held on January 5, 2010, the Committee Decision was as follows:

PW29.9 Biosolids Master Plan Update

Committee Decision

The Public Works and Infrastructure Committee requested the General Manager, Toronto Water, to report to the Public Works and Infrastructure Committee on March 2, 2010, with the following options for the Biosolids Master Plan as it relates to the Highland Creek Treatment Plant:

1. *The existing staff recommendations with the inclusion of the best available technology/pollution controls in order to further reduce air emissions to the greatest extent possible;*
2. *Option 1 above with an accelerated implementation date as outlined in the December 2009 Council motion;*
3. *a Beneficial Use Option with:*
 - emergency road access provided as per the Toronto and Region Conservation Authority Waterfront Plan; and*
 - rail haulage of biosolids via the CN Line;*

and further that all options include the necessary budget allocations/adjustment in order to ensure implementation of the biosolids management plan adopted by Council

RATIONALE

The Scarborough Waterfront Access Plan is currently being prepared by TRCA staff in response to Toronto Water's request. It offers four potential concepts for a continuous access route between Bluffers Park and East Point Park. This plan carries forward the initial access route prepared by TRCA as per Toronto Water's initial request, titled Option A, which considers Toronto Water's specifications for a continuous 4.5 m wide, high load-bearing asphalt surface across the Scarborough waterfront. Option A also addresses the need for shoreline protection, any retrofits to TRCA's existing shoreline works, a bridge crossing, lighting, and public amenities such as ancillary trail connections, washrooms, shelters and rest areas.

In addition to Option A, three additional options propose a 3.5 wide, multiuse waterfront trail, with each option offering modifications to the type or extent of shoreline protection utilized to achieve a continuous waterfront connection. This reduction of trail width and loading specifications results in significant savings as the number of shoreline modifications are reduced. Additional cost savings in these three options have been achieved by eliminating public use amenities.

Option B offers a similar trail alignment to Option A, however the extent of the proposed beach/headland shoreline protection identified at the Bluffers Parks shoreline sector is modified. In Options C and D, the proposed alignment of the trail adjacent to East Point Park follows Copperfield Road to reduce the need for extensive shoreline modifications along this shoreline sector. Option D, the most cost-efficient of all the options, contemplates modifications to the shoreline that achieve the desired waterfront trail alignment and address public safety issues; however this option reduces the ability to achieve the same degree of aquatic and terrestrial habitat improvements compared to the other available options.

Estimates for the four options are described below:

ITEMS FOR CONSIDERATION	Option A	Option B	Option C	Option D
Trails	\$5,552,359	\$969,230	\$1,051,630	\$1,051,630
Lighting (1 per 50m)	\$1,938,460	\$0	\$0	\$0
Shore Protection	\$41,625,596	\$38,720,996	\$27,648,496	\$24,720,000
Retrofits	\$3,553,500	\$3,064,250	\$3,064,250	\$2,575,000
Shoreline Transfers/Legal Fees	\$2,291,750	\$2,291,750	\$1,519,250	\$1,261,750
Fish Habitat Compensation	\$3,132,560	\$2,842,100	\$1,734,850	\$1,497,620
Bridge	\$360,500	\$206,000	\$206,000	\$206,000
Morningside Outfall Retrofit	\$154,500	\$154,500	\$154,500	\$154,500
Public Washroom/Shelter	\$1,411,100	\$0	\$0	\$0
Access Roads	\$463,500	\$463,500	\$463,500	\$463,500
Waterline	\$195,700	\$0	\$0	\$0
Sub-total in 2010 funds	\$60,679,525	\$48,712,326	\$35,842,476	\$31,930,000
Environmental Assessment/ Consulting Fee (5%)	\$3,033,976	\$2,435,616	\$1,792,124	\$1,596,500
Additional Amenities (eg. benches, receptacles, water fountains)	\$1,000,000	\$0	\$0	\$0
Contingency (20%)	\$12,942,700	\$10,229,588	\$7,526,920	\$6,705,300
GRAND TOTAL	\$77,656,201	\$61,377,530	\$45,161,519	\$40,231,800

Implementation of any of the options being proposed by the Scarborough Waterfront Access Plan would result in the creation of a continuous access route along the waterfront between Bluffers Park and East Point Park. This work would accelerate the implementation of priority shoreline erosion control projects to the hazardous sectors of the Scarborough Bluffs, including in the Meadowcliffe, Guild Inn and Grey Abbey shoreline sectors. A continuous access route along the Scarborough shoreline would also provide additional emergency access to Bluffers Park, which is an issue of concern as outlined in the *Life and Fire Safety Report: Scarborough Bluffs & Bluffers Park Marina* (1989). Toronto Water will need to undertake the analysis of the various options to determine what, if any, benefit the shoreline trail/emergency access route could provide to the Highland Creek plant.

As per the direction of Toronto Water, TRCA staff are devising an implementation schedule that would see completion of the planning, design, approval and implementation of all Options outlined in the Scarborough Waterfront Access Plan by 2017. The accelerated timelines provided by the plan would support TRCA's mandate of providing protection to life and property from the risk of flood and erosion in a timely manner (Conservation Ontario Act, 1954). It is anticipated that it will take more than 20 years to complete priority erosion control projects at the present level of annual progress due to the lack of available funding for major shoreline erosion control works.

DETAILS OF WORK TO BE DONE

TRCA staff are in the process of preparing further details of the Scarborough Waterfront Access Plan, including refining cost estimates for the options described above, and a proposed schedule for planning, design and implementation of the works. Pending the City of Toronto's direction and funding commitments to proceed with one of the options, TRCA would proceed with the completion of an environmental assessment, detailed design and approval process.

Shoreline remedial works for the Meadowcliffe sector are currently the subject of a Class Environmental Assessment (Class EA), with approval to commence works anticipated for 2010. Shoreline remedial works in the Guild Inn sector have received approval under the Class EA; however the project is on hold due to lack of sufficient funding for construction.

Implementation would allow TRCA to expedite current works underway on the Scarborough waterfront, thereby reducing risks to public safety and hazard land management by providing long-term shoreline protection and providing public access to improve the functionality of the waterfront into the future. In addition to the provision of public access and safety, the Scarborough Waterfront Access Plan will provide opportunities for aquatic habitat restoration and natural heritage improvements.

FINANCIAL DETAILS

The Scarborough Waterfront Access Plan is a key investment in meeting the long-term objectives of TRCA's Waterfront Plan. Upon the selection of a preferred option, TRCA staff will prepare a funding and implementation plan.

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Date: January 18, 2010

Item AUTH8.1

TO: Chair and Members of the Authority
Meeting #11/09, January 29, 2010

FROM: Brian Denney, Chief Administrative Officer

RE: SUMMARY OF REQUESTS FOR QUOTATIONS AND REQUESTS FOR PROPOSALS
July 1, 2009 to December 31, 2009

KEY ISSUE

Receipt of the 2009 year-end summary of procurements approved by the Chief Administrative Officer or his designate.

RECOMMENDATION

IT IS RECOMMENDED THAT the summary of Toronto and Region Conservation Authority (TRCA) procurements approved by the Chief Administrative Officer or his designate for the July 1, 2009 to December 31, 2009 period, and the 2009 sole source summary, be received.

BACKGROUND

At Authority Meeting #5/05, held on June 24, 2005, Resolution #A124/05 approved the Purchasing Policy, and resolved, in part, as follows:

staff report to the Business Excellence Advisory Board semi-annually with a list of all Requests for Quotations and Requests for Proposals approved by the Chief Administrative Officer pursuant to Schedule 'A';

Pursuant to the resolution quoted above, the summary of Requests for Quotations and Requests for Proposals from July 1, 2009 to December 31, 2009, is found in Attachments 2 and 3, respectively. The report includes approvals of \$10,000 or greater, to the maximum allowable limit under the policy, approved by the Chief Administrative Officer or his designate.

The attached summary includes the criteria as to why non-competitive procurement was appropriate for the particular goods or services procured, as per Section 1.14 of Toronto and Region Conservation Authority's Purchasing Policy (Attachment 1).

As permitted under the approved policy, the Chief Administrative Officer has designated senior staff, generally including director and manager level positions, approval authority for purchases up to \$10,000 (including PST but not GST as TRCA recoups GST).

In 2009, the total amount spent on sole source contracts, for contracts amounting to \$10,000 or more, approved by the Chief Administrative Officer or his designate, the Executive Committee or the Authority, totalled \$3,376,646.30, plus approximately \$22,000.00 for contingency allowances, shipping and dispersements, plus applicable taxes. Some of these purchases are multi-year contracts. Purchases are also made for goods and services under \$10,000, but TRCA does not collectively track which ones are sole source versus competitive, so these purchases are not included in the total.

Report prepared by: Kathy Stranks, extension 5264

Email: kstranks@trca.on.ca

For Information contact: Kathy Stranks, extension 5264

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Date: January 12, 2010

Attachments: 3

Attachment 1

TORONTO AND REGION CONSERVATION AUTHORITY PURCHASING POLICY

Section 1.14 Non - Competitive Procurement Process

A non-competitive procurement process shall only be used if one or more of the following conditions apply and a process of negotiation is undertaken to obtain the best value in the circumstances for the TRCA. Authorized Buyers are authorized to enter into negotiations without formal competitive bids, under the following circumstances:

1. The goods and services are only available from one source or one supplier by reason of:
 - A statutory or market based monopoly
 - A fluctuating market prevents the TRCA from obtaining price protection or owing to market conditions, required goods or services are in short supply
 - Existence of exclusive rights (patent, copyright or licence)
 - Need for compatibility with goods and services previously acquired and there are no reasonable alternatives, substitutes or accommodations
 - Need to avoid violating warranties and guarantees where service is required
2. An attempt to purchase the required goods and services has been made in good faith using a competitive method and has failed to identify a successful supplier.
3. When the extension or reinstatement of an existing contract would prove most cost-effective or beneficial. The extension shall not exceed one year.
4. The goods and services are required as a result of an emergency, which would not reasonably permit the use of the other methods permitted.
5. The required goods and services are to be supplied by a particular vendor or supplier having special knowledge, skills, expertise or experience that cannot be provided by any other supplier.
6. Any other sole or single source purchase permitted under the provisions of this policy including those noted in Schedule 'B'.

Attachment 2

**REQUESTS FOR QUOTATION
Sole Source (up to \$50,000)
July 1, 2009 to December 31, 2009**

Project	Awarded Bidder	Cost Not to Exceed (\$) Plus Applicable Taxes	Sole Source Criteria (Section 1.14 of TRCA's Purchasing Policy)
Internationally Trained Professionals - Interns	Career Edge	17,820.00	5
Black Creek Pioneer Village - Summer Promotions	EZ Rock Radio	18,750.00	3
Maple Nature Reserve Quonset Hut Site Regeneration	Schollen and Company, Inc.	43,000.00	5
Weston Environmental Leaders of Tomorrow Program - Digital Cameras	Pentax Canada Inc.	11,475.00	3
Healthy Yards Native Plant Cards	CJ Graphics Inc.	9,900.00	3
City of Toronto Wet Weather Flow Monitoring Program - upgrade three permanent watercourse monitoring stations	Avensys	35,597.00 + shipping	1
Hydraulic Analysis and Floodplain Mapping Update of the Humber River	R.J. Burnside and Associates Limited	13,000.00	3
Asbestos Abatement at Albion Hills Field Centre	Percon Construction Inc.	\$26,005.79 + 10% contingency	4
Heart Lake Conservation Area Beach Centre Washroom Retrofit Project - interior renovations	B.L.T. Construction Services Inc.	\$46,580.00 + 5% contingency	3
Kortright Permeable Pavement Evaluation Study - Four 3 L Tipping Bucket Flow Meters	Geneq Inc.	14,285.71	1 & 2
Sustainable Neighbourhood Retrofit Action Plan Project - Stormwater Modelling Services	Computational Hydraulics International	25,000.00	3 & 5
Don Watershed Flood Forecasting Model	Computational Hydraulics Int.	\$35,500.00 + 10% contingency	1
Climate Change and Carbon Footprint Calculator Communications Campaign	Square One	11,000.00	5
Kleinburg New Forest North - Earthworks	Anpro Environmental Group	22,000.00	3

REQUESTS FOR QUOTATION
Lowest Bid (up to \$100,000)
July 1, 2009 to December 31, 2009

Project	Awarded Bidder	Cost Not to Exceed (\$) Plus Applicable Taxes	Number of Quotations Requested/ Complete Bids Received
ALBION HILLS CONSERVATION AREA			
Albion Hills Beach Centre Barrier Free Washroom Construction	Robertson Construction Services	12,980.11 + 10% contingency	3/3
Ultraviolet Sanitization System for Aquatic Facility	Beta and Associates Inc.	11,241.08	3/3
Laundry Equipment at Albion Hills Campground	Coinamatic Commercial Laundry Inc.	16,491.00	3/3
Petticoat Creek Conservation Area Picnic Shelter Construction Project	Target Construction	29,610.00	4/3
Chain Link Fencing for Aquatic Facility be awarded to at a total cost not to exceed \$	Roma Fence Ltd.	24,488.00 + 10% contingency	7/3
ACQUISITION OF EQUIPMENT			
Utility Vehicle	Kooy Brothers	11,089.95	5/3
Snowmobile	A.T.C. Corral	10,438.00	6/3
GUILD INN SHORELINE PROTECTION PROJECT			
Supply and Delivery of Approximately 1,000 tonnes of 4 to 6 Tonne Armour Stone	J.C. Rock Limited	35,980.00	7/3
Supply and Delivery of Approximately 1,200 Tonnes of 300mm-600mm Riprap Stone	J.C. Rock Limited	29,376.00	7/3
BOB HUNTER LANDS			
Window Replacement for 7733 14th Avenue, Town of Markham	Frontier Group of Companies Inc.	14,800.00	8/3
Window Replacement for 7629 Reesor Road, Town of Markham	Frontier Group of Companies Inc.	14,650.00	8/3
Driveway and Retaining Wall Repairs for 7659 Reesor Road, Town of Markham	York Paving	10,900.00	5/4
Claireville Conservation Area Paul Flood Building Parking Lot Construction	Robertson Construction Services Ltd.	81,933.50 + 10% contingency	5/4
Replacement of Septic System for 10525 Kipling Avenue, Kleinburg	Smith Excavating Grading & Septic Services	17,450.00	4/1
Kortright Centre for Conservation Front Entrance Sign	The Earth Rangers Foundation	43,452.15 for TRCA's share of the project	Earth Rangers received the bids by a competitive process
Transport Canada Lands Leung Pond Decommissioning Project - Supply and Delivery of 17m of 3300mm x 2080mm x 2.8 mm Galvanized Pipe and One-60cm Arch Coupler	Atlantic Industries Limited	11,682.40	3/3
Specialized Forestry Equipment	Hakmet Ltd.	27,000.00	3/3

Project	Awarded Bidder	Cost Not to Exceed (\$) Plus Applicable Taxes	Number of Quotations Requested/ Complete Bids Received
Lake St. George Field Centre Tankless Water Heating System Project	Waza Water Systems	24,977.40 + 10% contingency	4/2
Tommy Thompson Park (TTP) Embayment A Shoreline Enhancement Project - Supply and Delivery of 400 Tonnes of 254 to 660mm Cobblestone	Glenn Windrem Trucking	16,908.00	3/3
DOWNSVIEW OFFICE BASEMENT RENOVATIONS			
Remove and Dispose of Existing Office Walls and Construction of New Offices	HMF Construction & Electric Ltd.	12,200.00	4/3
Steelcase office Systems Components	Festival Furniture	14,662.00	4/4
Terraseeding Services for Kleinburg New Forest North Project	Hermann's Contracting Services Ltd.	25,000.00	3/2
Durham Region Lands Invasive Plant Management	Urban Forest Associates	13,904.00	3/3
Albion Hills Farm Deconstruction - Waste Disposal Services	B.F.I. Canada	17,060.00	3/3
East Don Trail/CN Rail Bala 8.8 Subdivision - Chain Link Fencing	Roma Fence	15,000.00	3/2
BLACK CREEK PIONEER VILLAGE			
Black Creek Historic Brewery - Air Conditioning Installation	Canadian Air Technology Inc.	25,900.00	3/3
Roof Replacement of the Fisherville Church Drive Shed	Traditional Roofworks Inc.	19,878.00	3/3
Surveying of the Lands - William G. Love and Mary Anne McEvenue Property	David Horwood Limited, Ontario Land Surveyors	10,000.00	2/2
Port Union Waterfront Improvement Project - Supply and Delivery of Approximately 2,300 Tonnes of 300mm to 600mm Riprap Stone	Glenn Windrem Trucking	55,200.00	10/5
Heart Lake Conservation Area Front Gates	North York Welding	10,590.00 + 10% contingency	3/3
CUMMER AVENUE BRIDGE PROJECT			
Supply and Delivery of Approximately 800 Tonnes of 2 to 4 Tonne Armour Stone	J.C. Rock Limited	35,832.00	8/3
Supply and Delivery of Approximately 750 Tonnes of 150mm to 300mm Gabion Stone	Nelson Aggregate Company	21,375.00	8/3
Supply and Delivery of Approximately 450 Tonnes of 150mm to 300mm Boulders	Glenn Windrem Trucking	16,326.00	8/3
Replacement Generator Switch at G. Ross Lord Dam	Foretech Electric Inc.	17,498.00	3/3
Mimico Creek Wetland Berms - Supply and Delivery of Approximately 672 Tonnes of 225mm to 450mm Riprap	Nelson Aggregates	18,432.96 + 10% contingency	3/3

Project	Awarded Bidder	Cost Not to Exceed (\$) Plus Applicable Taxes	Number of Quotations Requested/ Complete Bids Received
Don River Watershed Plan Printing	Creative Path	21,373.00 + delivery	3/3
Invasive Plant Cards Printing	Warren's Waterless Printing Inc.	17,358.00 + delivery	3/3
Wexford Park Bank Protection Project - Supply and Delivery of Approximately 550 Tonnes of 2 to 4 Tonne Armour Stone	Glenn Windrem Trucking	27,368.00	5/3
Swan Lake Roof Replacement	B.W. Doucette	31,720.00	5/4
NORTH COLONEL DANFORTH PARK TRAIL IMPROVEMENTS			
Supply and Delivery of Approximately 1150 Tonnes of 50mm Crusher Run Limestone	James Dick Construction Limited	21,413.00	5/3
Supply and Delivery of Approximately 550 Tonnes of 19mm Crusher Run Limestone	James Dick Construction Limited	10,241.00	5/3
Restoration Services Centre - Supply and Installation of Secondary Electrical Service	Bolton Electric	17,300.00 + contingency	6/2

REQUESTS FOR QUOTATION
Lowest Bid Not Accepted (up to \$25,000)
July 1, 2009 to December 31, 2009

Project	Awarded Bidder	Cost Not to Exceed (\$) Plus Applicable Taxes	Number of Quotations Requested/Complete Bids Received
Canon Colour Copier	Canon Canada	21,813.60	3/3

Attachment 3

**REQUESTS FOR PROPOSAL
Competitive Bid (up to \$100,000)
July 1, 2009 to December 31, 2009**

Project	Awarded Bidder	Cost Not to Exceed (\$) Plus Applicable Taxes	Number of Quotations Requested/ Complete Bids Received
Traffic Impact Study	iTRANS Consulting Inc.	32,000.00 + 10% contingency	4/2
PARTNERS IN PROJECT GREEN			
Eco-Efficiency Program for Food Processors	Guelph Food Technology Centre	21,000.00	2/2
Small to Medium Enterprises Greenhouse Gas Reduction Strategy Program	Climate Smart	35,870.00	8/5
Rooftop Solar	Zizzo Climate Law	20,000.00	5/5
Heart Lake Conservation Area Outdoor Swimming Pool Development Conceptual Plan and Budget Development	Harrington and McAvan Inc.	80,690.00 + 10% contingency	6/3
Lake St. George Field Centre Ground Source Heating and Cooling System Project	Geo-Solar Systems	64,607.00 + 10% contingency	9/3
Climate Change Vulnerability Assessment of the Claireville and G. Ross Lord Flood Control Dams	GENIVAR Ontario Inc.	97,080.00	3/3
SLOPE STABILITY ANALYSIS AND EROSION RISK ASSESSMENT			
4 Bruce Farm Drive, City of Toronto	Terraprobe Limited	8,950.00 + 1,000.00 contingency	4/3
Immediately North of 51 Deer Valley Drive, Village of Bolton	Terraprobe Limited	9,850.00 + 1,000.00 contingency	4/3
Job Search Workplace Communications Training for Professional Access and Integration Enhancement Program	JVS	28,194.00	3/2
Upper Mimico Creek Aquatic Restoration Project - Sithe Global/Goreway Station Partnership Property - Geomorphological Services	Geomorphic Solution (member of The Sernas Group)	28,069.00	3/1
2009 Topographic Base Mapping for the Etobicoke, Petticoat, Duffins and Carruthers Creeks, and Humber and Rouge Rivers, Watersheds	Northway Photomap	84,349.00	3/3
Toronto Island Marina Seawall Repair Project	Halcrow Yolles	51,320.00 + 10% contingency	10/3
Server Virtualization Upgrade	Dell Canada Inc.	79,476.06	6/5
Mimico Creek Barrier Mitigation Project	AECOM	23,150.00 + 5,000.00 contingency	10/3

REQUESTS FOR PROPOSAL
Sole Source (up to \$50,000)
July 1, 2009 to December 31, 2009

Project	Awarded Bidder	Cost Not to Exceed (\$) Plus Applicable Taxes	Sole Source Criteria
Groundwater Model Refinements & Outputs	EarthFx Inc.	17,000.00	5
Ressor Wetland Plantings	Friends of the Rouge Watershed	35,545.20	3
Peer Review of Water Quality Studies	Dr. Martin Auer	27,500.00	5
Mentoring Program for Internationally Trained Professionals	Skills for Change	23,900.00	5
Electrical Upgrades at Albion Hills Field Centre	Percon Construction Inc.	28,095.63 + 10% contingency	5
Website Maintenance	The Jonah Group	48,000.00	5
Recovery of Taxes	HMT Sales Tax Consultants Inc.	Anticipated to be 25,000.00 - 30,000.00	5
Aquatic Plants Propagation Materials	Acorus Restoration	42,840.51	2
Claireville Trail Connection	SNC Lavalin Inc.	47,350.00	5
Conservation Centre for Climate Change Response - Consulting Services	Phil Goldsmith & Company Architect	\$20,000.00 + disbursements	5