
DATE: October 24, 2011

REPORT TITLE: **WASTEWATER SERVICING STRATEGY FOR THE NON LAKE-BASED
COMMUNITIES AND SETTLEMENT AREAS IN NORTH PEEL
CAPITAL PROJECT 10-2521
DOCUMENT 2011-462P
REGION OF PEEL**

FROM: Dan Labrecque, Commissioner of Public Works

RECOMMENDATION

That the contract (Document 2011-462P) for professional engineering services for the Wastewater Servicing Strategy for the Non Lake-Based Communities and Settlement Areas in North Peel be awarded to CIMA Canada Inc. in the estimated amount of \$364,337 (excluding applicable taxes), under Capital Project 10-2521 in accordance with Purchasing By-law 63-2008;

And further, that Wastewater Servicing Strategy for the Non-Lake Based Communities and Settlement Areas in North Peel for \$370,000 be set up under Capital Project 10-2521;

And further, that funds under Capital Project 08-2500 in the amount of \$250,000 and funds under Capital Project 10-2520 in the amount of \$120,000 be transferred to Capital Project 10-2521 to cover the costs of Wastewater Servicing Strategy Study for Non Lake-Based Communities and Settlement Areas in North Peel.

October 24, 2011

**WASTEWATER SERVICING STRATEGY FOR THE NON LAKE-BASED COMMUNITIES
AND SETTLEMENT AREAS IN NORTH PEEL
CAPITAL PROJECT 10-2521
DOCUMENT 2011-462P
REGION OF PEEL**

REPORT HIGHLIGHTS

- The Region of Peel is planning the wastewater services required to accommodate Peel's growth projections as specified in the Regional Official Plan.
- The Region is currently in the process of undertaking a Water and Wastewater Master Plan update for the communities that are on the lake based system that includes the City of Mississauga, the City of Brampton and those parts of the Town of Caledon which are currently serviced via the lake based system.
- The Region will undertake a complete review of servicing options ranging from remaining on private wastewater systems to implementation of new communal treatment including policy, financial, environmental, and development charge implications to provide information for Council consideration on the future policy and servicing impacts to enable informed decision making for the North Peel communities and settlement areas.
- This project supports Term of Council Priority 5, by ensuring that wastewater capacity meets anticipated community needs through 2031.
- The Request for Proposal, Document 2011-462P was issued competitively and CIMA Canada Inc. is recommended for award in the amount of \$364,337 (excluding applicable taxes).

DISCUSSION

1. Background

The Regional Municipality of Peel is responsible to use sound engineering principles while proactively planning for the wastewater services required to accommodate Peel's dynamic growth as specified in the Regional Official Plan. The Region is currently in the process of undertaking a Water and Wastewater Master Plan update for the communities that are on the lake based system that includes the City of Mississauga, the City of Brampton and those parts of the Town of Caledon serviced through the lake based system. This update is expected to be completed by the fourth quarter of 2012.

There are a number of factors that have been a catalyst for initiating the Wastewater Servicing Strategy Study, namely the Region of Peel Official Plan Amendment (OPA), revised population and employment forecast numbers and population distribution as per the Places to Grow legislation and input from the Local Municipalities on intensification locations. In addition, municipal water supplies have been provided to a number of settlement areas potentially driving the need for wastewater servicing and the Region needs to be able to forecast and plan to meet the wastewater infrastructure requirements across the Region to 2031.

October 24, 2011

**WASTEWATER SERVICING STRATEGY FOR THE NON LAKE-BASED COMMUNITIES AND SETTLEMENT AREAS IN NORTH PEEL
CAPITAL PROJECT 10-2521
DOCUMENT 2011-462P
REGION OF PEEL**

The following is an initial preliminary list of generic servicing strategies that will be considered.

| Option | Description |
|--|---|
| Do Nothing | ▪ Maintain existing private systems |
| Upgrade existing | ▪ Private systems, upgraded to address deficiencies |
| New communal Wastewater Treatment Plant (WWTP) | ▪ Dedicated WWTP to service community or settlement area |
| New Collection / Pumping Systems to Interconnect Existing or Planned Systems | ▪ Use of one communal WWTP to private capacity to other communities |
| New collection / Pumping Systems to South Peel WW System | ▪ Extension of South Peel Lake Based system to service communities |

It is imperative that the Region of Peel have a comprehensive understanding of the implications of servicing the rural non-lake based communities and settlement areas in North Peel. To accomplish this, an assessment of how these communities could be serviced, the financial and environmental considerations and related policy impacts of providing servicing needs to be explored. In order to permit Senior Management and Council to make informed decisions about future growth in North Peel a companion study to the Lake Based Master Plan is required that addresses this issues.

Once this work has been completed a report back to Council will be prepared that addresses all aspects of potential future servicing for the North Peel communities and settlement areas to inform future discussion and decision making.

2. Procurement Process

The Region of Peel issued a Request for Proposal 2011-462P to obtain professional engineering services to complete a Wastewater Servicing Strategy Study for Non Lake-Based Communities and Settlement Areas in North Peel. The Request for Proposal documents was issued to the following four professional engineering firms; R.J. Burnside & Associates Limited, Ainley & Associates Limited, CIMA Canada Inc., and XCG Consultants Limited.

All four professional engineering firms submitted proposals on time and the documents were found to be in order. The proposals are submitted in two parts; the first being the technical component and the second the financial component. The Technical Evaluation Team reviews the submissions in accordance with set criteria. The evaluation criteria includes the consultant's understanding of the project, work plan (methodology), qualifications and experience of the proposed personnel, the consultant's previous experience with similar projects, schedule and estimated cost to complete the assignment. The evaluation summary was as follows:

October 24, 2011

**WASTEWATER SERVICING STRATEGY FOR THE NON LAKE-BASED COMMUNITIES
AND SETTLEMENT AREAS IN NORTH PEEL
CAPITAL PROJECT 10-2521
DOCUMENT 2011-462P
REGION OF PEEL**

| Vendor Name and Location | Technical (80 per cent) | Financial (20 per cent) | Price Submitted | Overall Ranking |
|--|----------------------------|----------------------------|--------------------|--------------------|
| CIMA Canada Inc. Vaughan, ON | 1 | 1 | \$364,337 | 1 |
| XCG Consultants Ltd. Oakville, ON | 2 | 2 | \$472,631 | 2 |
| Ainley & Associated Ltd. Collingwood, ON | 3 | 4 | \$799,995 | 3 |
| R.J. Burnside & Associates Ltd. Brampton, ON | 4 | 3 | \$501,914 | 4 |

The proposal submitted by CIMA Canada Inc. received the highest overall score when assessing the combination of technical proficiency and price. The consultant demonstrated a thorough understanding of the assignment, proposed a comprehensive project approach and presented an experienced project team. The staff evaluation committee has concluded that the proposal submitted by CIMA Canada Inc. provides the best overall value to the Region.

FINANCIAL IMPLICATIONS

The resulting servicing model that comes from the study will reflect the financial implications in executing the ultimate strategy. In addition it will address planning and policy concerns, budget implications, environmental considerations and development charges impacts. This information will be brought back to future council meetings to enable informed decision making on a long term strategy for the North Peel communities and settlement areas with respect to accommodating growth.

For the purpose of awarding this consulting assignment, it is proposed that \$250,000 be transferred from Capital Project 08-2500 and \$120,000 be transferred from 10-2520 for a total of \$370,000 to Capital Project 10-2521 to cover the costs of the Wastewater Servicing Strategy Study for Non Lake-Based Communities and Settlement Areas in North Peel. These are funds that remain from previous study projects and are available for use.

CONCLUSION

The completion of this project in conjunction with the Master Plan Update project will provide a comprehensive picture of the infrastructure and funding requirements to support wastewater servicing across the entire Region as outlined in Term of Council Priority 5, *"To ensure water and wastewater capacity meets anticipated community needs through 2031"* and where appropriate will identify these areas that may remain on private wastewater systems.

PW-D3-5-

October 24, 2011

**WASTEWATER SERVICING STRATEGY FOR THE NON LAKE-BASED COMMUNITIES
AND SETTLEMENT AREAS IN NORTH PEEL
CAPITAL PROJECT 10-2521
DOCUMENT 2011-462P
REGION OF PEEL**



Dan Labrecque
Commissioner of Public Works

Approved for Submission:



D. Szwarc, Chief Administrative Officer



For further information regarding this report, please contact Linda Petelka at extension 4455 or via email at linda.petelka@peelregion.ca

Authored By: Kolsoom Motamedi, P.Eng.

c. Legislative Services
J. Macintyre, Director, Purchasing
Manager, Financial Support Unit (FSU)

