

---

DATE: June 18, 2009

REPORT TITLE: **PURCHASE OF LOW LIFT PUMPS FOR THE LORNE PARK WATER  
TREATMENT FACILITY  
CAPITAL PROJECT 06-1906  
DOCUMENT NUMBER 2009-140P  
CITY OF MISSISSAUGA, WARD 2**

FROM: Dan Labrecque, Commissioner of Environment, Transportation  
and Planning Services

---

## RECOMMENDATION

That the contract (Document 2009-140P) for the purchase of low lift pumps for the Lorne Park Water Treatment Plant be awarded to Flowserve at an estimated cost of \$1,787,858 (excluding applicable taxes) under Capital Project 06-1906, in accordance with Purchasing By-law 63-2008.

### REPORT HIGHLIGHTS

- The Region of Peel issued Request for Proposal 2009-140P to Fairbanks Morse, Flowserve and ITT Goulds, all submitted proposals to supply low lift pumps.
- Regional staff have reviewed the proposals based on technical merit and life-cycle costing, and are recommending award to Flowserve.
- According to York-Peel share split (Peel: 80.6%; York: 19.4%) \$346,844 out of \$1,787,858 will be recovered from York Region.
- Request for Proposal 2009-140P was competitively bid and Flowserve is recommended for award.

## DISCUSSION

### 1. Background

Construction on the expansion of the Lorne Park Water Treatment Plant is now underway. This expansion increases the capacity of the plant from 347 ML/d (million litres per day) to 500 ML/d. In addition to the purchase of ultrafiltration membranes and ultraviolet light disinfection reactors the Region requires the pre-purchase of low lift pumps.

Low lift pumps provide the necessary energy to pump the lake water up to the highest point in the treatment plant where gravity can assist in the treatment process.

June 18, 2009

**PURCHASE OF LOW LIFT PUMPS FOR THE LORNE PARK WATER TREATMENT FACILITY****CAPITAL PROJECT 06-1906****DOCUMENT NUMBER 2009-140P****CITY OF MISSISSAUGA, WARD 2****2. Procurement Process**

In March 2009, a Request for Proposal 2009-140P was issued to three vendors who have experience in supplying vertical turbine pumps of the required size. The three vendors and the location of their North American head office are:

- Fairbanks Morse (Beloit, Wisconsin)
- Flowserve (Taneytown, Maryland)
- ITT Goulds (Seneca Falls, New York)

A selection committee consisting of Region of Peel staff from Purchasing and Environment, Transportation and Planning Services, Ontario Clean Water Agency (OCWA), and our consultants, AECOM Canada, evaluated the proposals. The evaluation included the vendor's experience, equipment efficiency, operations and maintenance requirements, and after-sales service.

The proposed capital and operating costs were then reviewed. To determine the preferred vendor, staff evaluated life cycle costs (20 year) rather than just capital costs. As the installation, operating and maintenance costs vary from vendor to vendor, it is important to evaluate each vendor over the life of the equipment rather than just the initial cost.

The results of the evaluation are listed below.

<b>Vendor</b>	<b>Location</b>	<b>Overall Ranking</b>	<b>Technical (80 per cent)</b>	<b>Financial (20 per cent)</b>
Flowserve	Taneytown, Maryland	1	2	1
ITT Goulds	Seneca Falls, New York	2	1	2
Fairbanks Morse	Beloit, Wisconsin	3	3	3

Flowserve's proposal received the highest overall score when assessing the combination of technical proficiency and price. Flowserve provided the lowest net present value cost based on initial capital cost and energy consumption. Based on the ranking above, Flowserve, provides the best value for the Region of Peel.

**FINANCIAL IMPLICATIONS**

According to York-Peel share split (Peel: 80.6%; York: 19.4%) \$346,844 out of \$1,787,858 will be recovered from York Region.

Funding is available under Capital Project 06-1906.

June 18, 2009

**PURCHASE OF LOW LIFT PUMPS FOR THE LORNE PARK WATER TREATMENT FACILITY**

**CAPITAL PROJECT 06-1906**

**DOCUMENT NUMBER 2009-140P**

**CITY OF MISSISSAUGA, WARD 2**




Dan Labrecque  
Commissioner of Environment, Transportation  
and Planning Services

**Approved for Submission:**



---

D. Szwarc, Chief Administrative Officer

 For further information regarding this report, please contact  
Andrew Farr at extension 310 or via email at [andrew.farr@peelregion.ca](mailto:andrew.farr@peelregion.ca)

Authored By: Jeff Hennings

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