#### **COMMITTEE OF THE WHOLE - AUGUST 31, 2010**

### AWARD OF RFP 10-181 - ENERGY EFFICIENT STREET LIGHTING

### Recommendation

The Commissioner of Engineering and Public Works recommends that RFP 10-181 for Energy Efficient Street Lighting be brought forward to Council for authorization to award.

### **Contribution to Sustainability**

As part of the City's "Green Directions" program, converting the current high pressure sodium (HPS), street lights to more energy efficient Light Emitting Diode (LED) street lighting, is one aspect of ensuring a more sustainable environment.

## **Economic Impact**

The submissions for RFP 10-181 closed on Wednesday, August 18 and accordingly, the submissions were not evaluated prior to the report submission deadline. As such, the economic impact is not yet known; however, the combined maximum funding for this project is \$1.5 Million, and this is an Infrastructure Stimulus Funding project. Once the proposals have been evaluated, the results will be presented in a separate report to Council.

#### **Communications Plan**

As part of the project, the City will design and create the communications pieces for the public. There will be information about the project on the City's web site, and there will be individual notices produced that will be delivered to all businesses and residents on the streets where the LED lights are to be installed. As part of the project, the proponent is responsible for ensuring these notices are delivered to those businesses and households at least one week in advance of the changeover.

#### **Purpose**

To advise Council of the upcoming RFP award for energy efficient street lighting.

## **Background - Analysis and Options**

As per Council's direction, a Request For Proposals was sent to selected companies for the supply and installation of energy efficient LED street lights. It is anticipated that approximately 1,400 existing HPS street lights will be changed over to LED energy efficient street lights through this program. The changeover will start in the City's industrial areas, and then move into the residential areas, as funds permit.

The RFP process uses a two envelope process and submissions are being evaluated in two parts. The first envelope will contain the proponent's technical submission. Proponents whose technical proposals do not meet the City's technical specifications will not be considered further. Those proponents whose technical submission meets the City's requirements will then be evaluated further, based on:

•	Project management / completion time / work process	max. 20 points
•	Experience of the LED manufacturer	max. 10 points
•	Experience of the installer	max. 10 points
•	End use of existing HPS fixtures	max. 10 points
•	Product aesthetics	max, 10 points

Value added features

max. 10 points

The second envelope will contain the prices only, and will make up a maximum of 30 points of the total possible 100 points.

Lumentech, the consultant used to evaluate the various lighting technologies used throughout the trial, and who prepared the draft lighting specifications, has been retained to assist staff complete the review of the technical submissions.

As this is part of the City's "Green Directions" initiatives, it should be noted that as part of the RFP submission, the proponent is required to outline, in detail, the proposed end use of the old HPS light fixtures and associated components removed under this project. As the City is committed to environmental sustainability, and supports the hierarchy of the 3R's, points will be assigned in the RFP evaluation process based on the proponent's plan to deal with the old HPS fixtures and components.

Once the submissions have been evaluated, an additional information report will be provided to Council with further recommendations.

## Relationship to Vaughan Vision 2020/Strategic Plan

This report is consistent with the priorities previously set by Council and ties into the following Vaughan Vision 20/20 Goals and Objectives:

Goal: Service Excellence

Objective: Lead & Promote Environmental Sustainability

Goal: Management Excellence

Objective: Enhance Productivity, Cost Effectiveness and Innovation
Objective: Demonstrate Leadership and Promote Effective Governance

## **Regional Implications**

N/A

## Conclusion

The changeover of approximately 1,400 HPS street lights to LED street lights is expected to take place under this contract; however, final numbers will be dependant upon the successful proponent's submission.

Once the proposals have been evaluated, an additional information item will be presented to Council with further recommendations.

# **Attachments**

N/A

#### Report prepared by:

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Respectfully submitted,

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