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**TO:** GENERAL COMMITTEE

**SUBJECT:** LOUNT STREET - STREET LIGHTING

**PREPARED BY AND KEY CONTACT:** M. CHARLEBOIS, C. Tech.  
SENIOR TRAFFIC TECHNOLOGIST (Ext. 5145)  

**SUBMITTED BY:** R. W. MCARTHUR, P. Eng.   
DIRECTOR OF ENGINEERING

**GENERAL MANAGER APPROVAL:** R. J. FORWARD, MBA, M.Sc., P. Eng.  
GENERAL MANAGER OF INFRASTRUCTURE, DEVELOPMENT & CULTURE

**CHIEF ADMINISTRATIVE OFFICER APPROVAL:** R. J. FORWARD, MBA, M.Sc., P. Eng.  
ACTING CHIEF ADMINISTRATIVE OFFICER 

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**RECOMMENDED MOTION**

1. That no additional streetlights be installed on Lount Street.

**PURPOSE & BACKGROUND**

2. On June 27, 2011, City Council adopted Motion 11-G-200 regarding the investigation of an additional street light on Lount Street as follows:  

"That staff in the Engineering Department investigate the feasibility of installing an additional street light on Lount Street to improve community safety and security and report back to General Committee."
3. Lount Street is classified as a local roadway with residential frontages.
4. The existing streetlight system on Lount Street consists of 100 watt high pressure sodium (HPS) fixtures attached to wooden hydro poles on the east side of the roadway. Refer to Appendix "A".
5. The intersection of Grove Street East at Lount Street has an existing streetlight on the south side of Grove Street East which illuminates the intersection.
6. The existing street lighting on Lount Street produces an approximate light level of 6.5 Lux which meets our existing standard of 4 Lux.
7. Currently the existing illumination uniformity on Lount Street is 8:1 while the City's standard is 6:1. This means that there are more darker areas present than the City standard (a 1:1 ratio would mean a uniform illumination over the entire area). However, this 8:1 ratio is consistent with other areas of similar age in the City.
8. Staff are currently preparing a Streetlight Master Plan to identify illumination gaps on City roadways for future budgets. To date an asset inventory has been developed (includes approximately 11,000 streetlights) and as part of the 2012 Work Plan, a prioritized capital plan will be developed. Priority will be given to roadways without illumination and based on roadway classification.

### **ANALYSIS**

9. On-site observations have shown that the existing streetlights adequately meet the lighting levels and the illumination uniformity is consistent with other areas of similar age in the City.
10. Existing hydro poles on Lount Street cannot accommodate additional streetlights as there is not sufficient clearance from PowerStream's equipment.
11. To install additional streetlights on Lount Street a new pole line would have to be designed and installed to facilitate supplementary streetlights.
12. There are no capital projects associated with Lount Street in the 4-year Capital Plan. Staff do not recommend the installation of any additional streetlights on Lount Street until such time that all infrastructure renewal (ie. roads, sewers, etc.) may be completed at the same time.

### **ENVIRONMENTAL MATTERS**

13. There are no environmental matters related to the recommendation.

### **ALTERNATIVES**

14. The following alternative is available for consideration by General Committee:

#### **Alternative #1**

General Committee could alter the proposed recommendation by installing one wooden pole, arm and streetlight fixture on Lount Street at an approximate cost of \$5,000. Engineering staff would work with the Ward Councillor to determine a suitable location.

This alternative is not recommended as the existing streetlights on Lount Street adequately meet the lighting levels and the illumination uniformity is consistent with other areas of similar age in the City.

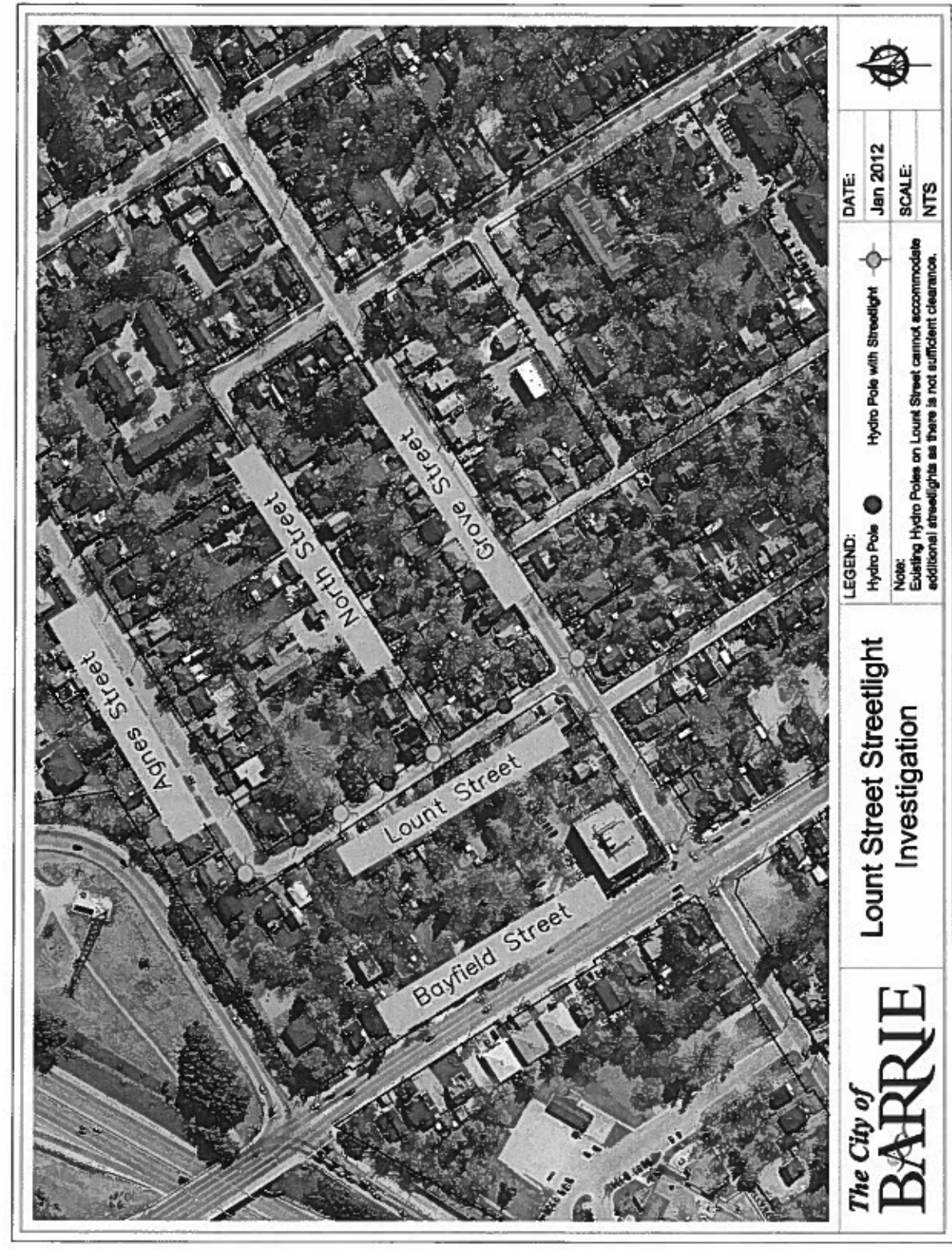
### **FINANCIAL**

15. There are no financial implications for the Corporation resulting from the proposed recommendation.

### **LINKAGE TO 2010 – 2014 COUNCIL STRATEGIC PLAN**

16. The recommendation(s) included in this Staff Report are not specifically related to the goals identified in the 2010-2014 City Council Strategic Plan.

**APPENDIX "A"**



DATE: Jan 2012  
SCALE: NTS

LEGEND:  
Hydro Pole ●  
Hydro Pole with Streetlight ⊙  
Note: Existing Hydro Poles on Lount Street cannot accommodate additional streetlights as there is not sufficient clearance.

Lount Street Streetlight Investigation

