



# INFORMATION REPORT

<b>TO:</b> Chair and Members Public Works Committee	<b>WARD(S) AFFECTED:</b> CITY WIDE
<b>COMMITTEE DATE:</b> September 4, 2012	
<b>SUBJECT/REPORT NO:</b> Comprehensive Outdoor Lighting Study: Sidewalk and Roadway Lighting (PW11041a) - (City Wide) ( <i>Outstanding Business List Item</i> )	
<b>SUBMITTED BY:</b> John Mater, C.E.T. Acting General Manager Public Works Department	<b>PREPARED BY:</b>  Mike Field (905) 546-2424, Extension 4576
<b>SIGNATURE:</b>	

## Council Direction:

At its meeting of June 6, 2011, Public Works Committee directed staff to report back to the Public Works Committee in respect to Report PW11041 (Comprehensive Outdoor Lighting Study: Sidewalk and Roadway Lighting) regarding comments made by Committee members.

## Information:

Committee members asked several questions related to the report and specifically requested follow-up to City Wide policy implementation costs and the coordination of downtown lighting initiatives with the Task Force on Cleanliness and Security in the Downtown Core.

Summary and response to the Committee member's questions are as follows:

### City Wide Policy Implementation Costs

- *Committee indicated that they would like to see further financial details on City Wide implementation of the Lighting Policy*

The content of the Sidewalk and Roadway Lighting Policy is in the process of being re-examined.

Due to the rapid development of light-emitting diode (LED) light sources, the streetlighting industry is currently in a state of flux. Lighting standards and engineering/application practices have been evolving to better address the adoption of LED lighting and associated intelligent lighting control systems. Since 2008, Public Works staff has been piloting and reviewing high-efficiency streetlighting technology and in this short time period, LED lighting technology has matured significantly.

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To conduct a more comprehensive review and assist in decision making pertaining to the adoption of LED streetlighting, an ad hoc internal stakeholder streetlighting working group (staff comprised from Environment & Sustainable Infrastructure Division and Transportation, Energy & Facilities Division) has recently been assembled.

The adoption of the proposed Sidewalk and Roadway Lighting Policy is not recommended at this time until the policy implications of LED streetlighting have been identified and finalized.

*Coordination of Downtown Lighting Initiatives*

- *Committee indicated that they would like to see comments from the Downtown Cleanliness and Security Task Force in the Downtown Core (Task Force) on implementation of lighting upgrades in the Downtown area*
- *The Committee Clerk clarified that direction had already been given to staff requiring they bring this matter to the Task Force*

Coordination with the Task Force (directly and indirectly through Planning and Economic Development - Urban Renewal) occurred during the lighting study project and is on-going.

City Council, at its meeting of October 12, 2011, approved Item 18(a) of General Issues Committee Report 11-029 to provide detailed costing and proposed lighting upgrade project locations for their review.

In Q2 of 2012 Public Works staff, in coordination with Planning and Economic Development - Urban Renewal, prepared and submitted a 'top ten' list of deficiently lit sidewalks and roadways locations within the downtown core of Hamilton with associated upgrade costing. The 'top ten' list was developed by utilizing information contained within the Comprehensive Outdoor Lighting Study. Upon acceptance of the proposed lighting upgrade list by the Task Force and as part of an initiative of Planning and Economic Development - Urban Renewal, staff has begun the roll out of the upgrade projects.

The upgrade projects will provide enhanced lighting within the downtown core of Hamilton to meet with the City's walkability and downtown urban renewal initiatives. Additionally, the projects will utilize LED lighting technology which in turn will reduce future operation and maintenance costs and contribute data to the streetlighting working group.

The Task Force conducts regular 'walkabouts' and reports back to staff regarding any perceived deficient lighting conditions within the downtown core of Hamilton.