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**TO:** CITY MANAGER **DATE:** 2015 June 30

**FROM:** DIRECTOR ENGINEERING **FILE:** 37500 18

**SUBJECT:** STREET LIGHTING WITHIN THE RIVERSIDE COMMUNITY

**PURPOSE:** To seek Council's approval on the installation of additional lease lights within the Riverside Community.

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**RECOMMENDATIONS:**

1. **THAT** additional lease lights as generally shown in Figure 1 be installed within the Riverside Community subject to consultation and support from affected property owners.
2. **THAT** a copy of this report be forwarded to Riverside Community representatives for information.

**REPORT****1.0 INTRODUCTION**

Representatives of the Riverside Community (bounded by Marine Drive, Byrne Road, and Marine Way) have requested the installation of additional street lighting in response to their concerns about general safety. The City's Roadway Lighting Policy establishes two types of roadway lighting, interim and finished standard. The interim standard lighting is provided by leasing lights from BC Hydro (lease lights) and installing them on their wooden utility poles at every intersection or every 215 metres, whichever is closer. This is provided at no direct cost to abutting residents. The purpose of the interim standard is to provide a very basic level of lighting, while encouraging the installation of final standard lighting. The installation of lease lights in excess of the policy should only be done in exceptional circumstances.

Finished standard lighting is provided by installing City-owned street lights on steel poles through the Local Area Service Program (LASP). LASP works are cost shared between the City and abutting property owners and involves a petition of property owners to ensure the majority are in support. The finished standard lighting is designed to provide a reasonably uniform level of lighting along the entire street.

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## 2.0 STREET LIGHTS WITHIN THE RIVERSIDE COMMUNITY

The existing street lights within the Riverside Community are lease lights on utility poles. The current spacing between lease lights meets the City's interim standard. Generally, any additional increase in street lighting should be provided through an LASP to meet the City's finished standard. However, the Riverside Community is relatively unique in that it is still very rural in nature with drainage ditches along most of the roadways. These drainage ditches are actually a part of Jerry Rogers Creek (and its many tributaries) and are environmentally sensitive areas that need to be protected during any construction. The area is also impacted by poor soil and drainage conditions making any finished improvement more challenging and costly. As an example, it is estimated that the installation of finished standard lighting along Willard Street only would cost \$250,000. If the roadway itself were to be upgraded in the future with curb and gutter, the finished standard street lights may have to be relocated due to constraints imposed by existing conditions.

Due to the unique circumstances above, the alternative of providing additional interim standard lighting in excess of the City's policy was explored. While there are many wooden utility poles within the Riverside Community without street lights, only 12 were found to be able to support lease lights without any required upgrades to BC Hydro's infrastructure. These are shown on Figure 1. The total annual cost of these lease lights is estimated to be \$2,300 per year. The remainder of the utility poles either cannot support street lights or would require capital upgrades. Installations requiring capital upgrades are not recommended because any new investments should be towards achieving a finished standard. Based on unique conditions within the Riverside Community, it is recommended that 12 additional lease lights be installed in excess of the City's policy because of the ability to do so economically, subject to consultation and support from affected property owners. After a successful consultation process, BC Hydro will be requested to install the lease lights at their earliest convenience.

Any additional street lights beyond the 12 identified above should be done through a LASP to a finished standard as per the City's existing policy. Alternatively, property owners can provide lighting on their property adjacent to the street as deemed desirable.

## 3.0 CONCLUSION

The City's Roadway Lighting Policy establishes the conditions for the installation of interim and finished standard street lighting. The policy allows for the installation of additional interim standard lighting in exceptional circumstances. The uniqueness of the Riverside Community makes it exceptional as described in this report. Therefore 12 additional lease lights are recommended as identified in Figure 1 based on the ability to provide them cost effectively without any infrastructure upgrades, and subject to consultation and support from affected property owners.



Leon A. Goss P.Eng., MBA  
Director Engineering

DL:ac

Attachment

Copied to: Director Planning and Building  
Director Finance  
RCMP OIC – Chief Superintendent Dave Critchley



The information has been gathered and assembled on the City of Burnaby's computer systems. Data provided herein is derived from a number of sources with varying levels of accuracy. The City of Burnaby disclaims all responsibility for the accuracy or completeness of information contained herein.

- Existing Street Lighting
- ▲ 12 proposed Hydro lease lights and 1 relocation.

