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MEMORANDUM

TO: HONORABLE MAYOR &
CITY COUNCIL

FROM: Brooke A. Levin
Interim Director, PWA

SUBJECT: Update Regarding LED Lighting
Conversion Project

DATE: January 10, 2014

City Administrator

Date

Approval

/s/ **Deanna J. Santana**

1/10/14

INFORMATION

The purpose of this information memo is to provide an update regarding the Oakland LED Lighting Conversion Project. The City of Oakland is currently converting 30,000 existing High Pressure Sodium (HPS) cobra head streetlights with Light Emitting Diode (LED) streetlights citywide. This project does not include ornamental lighting such as the fixtures near Broadway (Downtown Oakland) and the fixtures surrounding Lake Merritt. Replacement of the existing streetlight fixtures with the new LED fixtures provides a better quality of light that will enhance public safety. In addition, the conversion project saves resources as the new LED technology is more energy efficient and the bulbs have a longer lifespan. Oakland is one of first municipalities nationally to implement or be in the process of converting wide-scale LED lighting.

The City Council approved this project in 2013, and awarded to Amland Corp. for services and to Graybar Inc. for materials. The project began in June 2013 and to date the City has converted 24,000 lights out of the 30,000 (80%) streetlights citywide. During the installation of the new LED Light fixtures the contractor identified an estimated 2,500 lights where service wires re-routing would be necessary. The cost of this change order is estimated at \$75,000 which will be covered by the project contingency. On December 31, 2013, Amland Corp. requested and was granted a project completion extension date of February 28, 2014. This extension will allow Amland more time to retrofit the remaining street lights as well as complete several change orders submitted to the contractor. This extension of the LED Lighting Conversion Project **will not** have an impact to the rebate provided by PG&E. As an element of the extension, if the project is not completed by February 28, 2014 the City will be able to recoup liquidated damages daily until the project is completed.

The LED Lighting Conversion Project provides many benefits to several different audiences, with the primary goal to support public safety with brighter and better lighting, less glare and fewer 'dark spots' between poles. Significant energy savings results in lower power consumption and a healthier environment. LED streetlights require less maintenance and have a longer lifespan (15 years minimum). Project costs are estimated at \$15 million financed over a 10 year period. The repayment of the project cost will be paid from an estimated \$2.9 million in incentive rebates from PG&E and energy savings as a result of the conversion.

If there are concerns regarding LED lights, please contact the PW's Call Center at the following:

- Phone: (510) 615-5566
- Email: pwacallcenter@oaklandnet.com
- Webpage: www.oaklandnet.com/PWA
- Mobile Application: SeeClickFix

Respectfully submitted,

_____/s/
BROOKE A. LEVIN
Interim Director, Public Works Agency

For questions, please contact Allen Law, Electrical Services Manager at (510) 615-5428.