

DATE ISSUED: January 14, 2004

REPORT NO. 04-013

ATTENTION: Rules, Finance and Intergovernmental Relations Committee
Agenda of January 21, 2004

SUBJECT: Status of Five Year Plan to Convert Existing Low Pressure Sodium
(LPS) Lights to High Pressure Sodium (HPS) Lights.

REFERENCE: Manager's Report No. 03-140 dated June 26, 2003

SUMMARY

THIS IS AN INFORMATION ITEM ONLY. NO ACTION IS REQUIRED ON THE PART OF THE COMMITTEE OR THE CITY COUNCIL.

BACKGROUND

On February 26, 2002, in accordance with Resolution No. R-296141, the Mayor and City Council directed the City Manager to develop a plan to convert existing street lights from Low Pressure Sodium (LPS) to High Pressure Sodium (HPS) over the course of five years starting in Fiscal Year 2004 and as they burn out starting in Fiscal Year 2003.

On October 30, November 20, 2002, and July 23, 2003 Manager's Report No. 02-251, 02-273 and 03-140 respectively, were presented to the Rules, Finance and Intergovernmental Relations Committee. The purpose of the reports was to provide the status of converting burned out LPS lights to HPS lights. The reports outlined the City Manager's plan to convert all LPS lights to HPS by Fiscal Year 2008.

On November 25, 2002, City Manager's Report Number 02-286 was presented to the Mayor and City Council. The report presented the Manager's plan to convert existing street lights from LPS to HPS over the course of five years starting in Fiscal Year 2004 and as they burn out starting in Fiscal Year 2003.

DISCUSSION

The citywide inventory of 40,025 street lights consists of 26,005 LPS lights and 14,020 HPS lights. Approximately 2,038 LPS lights within a 30-mile radius from Mount Palomar Observatory will not be converted to HPS, therefore there are 23,967 street lights to be converted to HPS over the five-year period.

An estimated 4600 LPS lights are anticipated to burn out each year in Fiscal Years 2003 through 2008. Typically, Street Division replaces the burn-out LPS bulbs with a new LPS bulb at a cost of \$25.00 per light. The cost to convert one LPS light to HPS is approximately \$125.00. Therefore, the net cost to convert a burned out LPS light is \$100.00.

In Fiscal Year 2003, a total of 4,156 lights were converted from LPS to HPS.

In Fiscal Year 2004, up to \$460,000 from the Street Division's operating budget has been allocated to pay for the conversion of LPS to HPS as burn outs occur. Year-to-date in fiscal year 2004, approximately 1,677 LPS lights burnt out. The Street Division has converted 1,207 and is in the process of converting the balance. This funding is anticipated to continue in future years until all LPS lights are converted to HPS.

Council Districts 3 and 4 have allocated funds to convert additional street lights in their respective districts. Complete conversion in Council District 3 is anticipated by the end of fiscal year 2004. Council District 4 provided funding for conversion of approximately 1000 additional lights. This work is anticipated to be complete by the end of calendar year 2004.

Respectfully submitted,

Approved by:

D. Cruz Gonzalez, Director
Transportation Department

George I. Loveland
Senior Deputy City Manager

LOVELAND/MXS