

DATE ISSUED: June 26, 2003

REPORT NO. 03-140

ATTENTION: Rules, Finance and Intergovernmental Relations Committee
Agenda of July 2, 2003

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. 02-286 dated November 22, 2002

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, and November 20, 2002, Manager's Report No. 02-251 and 02-273 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.

In Fiscal Year 2003, a total of \$713,719 (\$592,183 contributed by the Mayor & Council and \$121,536 from Street Division's operating budget) will pay for the conversion of approximately 5,710 lights. Year-to-date, 4061 LPS lights have already been converted.

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.

The Manager's proposed plan requires identifying funding every year to continue replacing the 4600 LPS lights anticipated to burn out. Street Division will allocate approximately \$460, 000 in Fiscal Year 2004 to continue converting burned out LPS lights.

Respectfully submitted,

Approved by:

D. Cruz Gonzalez, Director
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George I. Loveland
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LOVELAND/MXS