

CITY OF COOS BAY
Agenda Staff Report

MEETING DATE	AGENDA ITEM NUMBER
September 16, 2014	

TO: Mayor Shoji and City Councilors

FROM: Randy Dixon, Operations Administrator

THROUGH: Jim Hossley, Public Works Director
Rodger Craddock, City Manager

ISSUE: Sternberg Light Deflectors

BACKGROUND:

In 2010 the City obtained a block grant from Oregon Department of Energy in the amount of; \$81,224, the City also received a grant from Energy Trust of Oregon in the amount of \$22,913 to improve the efficiency of our Sternberg sidewalk lights and Street lights. The improvements were made to 69 high pressure sodium (HPS) lights (Street Lights), 86 triple globe decorative period lights, and 238 single globe decorative period lights. The project reduced the wattage of the lights by 50%. This was achieved by replacing internal ballast and reducing the wattage of the bulbs.

Per a recent City Council request, staff inquired about putting shades on the globe of the Sternberg to direct the light down. Staff contacted the Sternberg representative Lightrix, Portland, Oregon to see what is available. The Lightrix representative, Dave Emory, said there are shades available to place inside the globe of the Sternberg lights, however Dave cautioned the City about doing so. Dave explained when the City reduced the watts of the Sternberg by 50% in 2010 it reduce the glare coming off the Sternberg. If the City decides to install shades in the globes of the Sternberg's it will reduce the illumination by another 25% and will most likely leave dark areas in between Sternberg's. Dave Emory recommends leaving the Sternberg's as they are now and when it's time to change the ballast or bulb in the Sternberg, upgrade the light pole to LED which is a soft light yet still maintain horizontal light coverage and prevent upward overcast. The LED retro kit for the Sternberg is as follows; for replacing 50 watt High Pressure Metal Halide (HPMH) \$465.00, 70 (HPMH) \$488.00, and 100 (HPMH) \$517.00.

BUDGET IMPLICATIONS:

The LED retro kit (\$465-\$517) would cost more than a ballast or bulb replacement (\$250.00); however the LED would last 7 – 10 years and would also save on power consumption. The cost of shades plus labor is estimated to be about \$100 per globe. This project is not currently budgeted and there is no identified funding source.

ADVANTAGES:

Efficiency with power consumption and to create Dark Sky atmosphere

DISADVANTAGES:

Initial cost spread over several years to upgrade Sternberg to LED

RELATED CITY GOAL:

Not a currently identified City Council goal

ACTION REQUESTED:

Staff recommends Council consider upgrading the Sternberg lights to LED over time as the budget allows. Should Council desire to go with shades, staff recommends the project be budgeted in the next or future fiscal year.