



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: October 13, 2009

TO: Mayor and Councilmembers

FROM: Transportation Division, Public Works Department

SUBJECT: Approval Of Funding For Downtown Parking Garage Lighting Project

RECOMMENDATION: That Council:

- A. Increase the Downtown Parking estimated revenues in the amount of \$96,363.31 in the Downtown Parking operating reserve for amounts to be reimbursed by Southern California Edison; and
- B. Appropriate \$121,271.16 from operating reserves in the Downtown Parking Capital Program to cover the cost of installing new fluorescent light fixtures in four of the City's downtown parking garages.

DISCUSSION:

In December 2008, Southern California Edison (SCE) presented a one-time opportunity to take advantage of a special energy rebate. Due to the rebate's potential to significantly reduce energy costs at the Granada Garage, the decision was made to replace the metal halide lighting with fluorescent lighting. The fluorescent lighting fixtures were inexpensive and installed with minimal inconvenience to the public. Due to their longer life expectancy, less maintenance is required on the fluorescent fixtures than the metal halide fixtures. Replacement of the metal halide fixtures cost \$59,067. The originally anticipated two-year payback will now occur in just over one year due to these energy saving retrofits.

SCE is now offering the same incentives to complete the same retrofits in the remaining four parking garages. They will reimburse the Downtown Parking Program for all material costs, and Downtown Parking will be responsible for contracted labor costs associated with installing the new fixtures.

The summary of the Downtown Parking Garage Lighting Project (Project) costs for materials paid for through SCE incentives, the labor costs for installation, and the annual electricity savings are shown in the Table below.

SUMMARY OF LIGHTING PROJECT COSTS AND SAVINGS

Project Site	SCE Materials Reimbursement	Labor Costs	Annual Estimated Savings	Annual KWH Saved
Lot 2	\$30,678.07	\$38,094.90	\$21,438.17	158,801
Library Garage	\$24,131.45	\$30,364.16	\$15,871.67	117,567
Lobero Garage	\$16,323.94	\$21,137.32	\$11,678.18	86,505
Ortega Garage	\$25,229.85	\$31,674.78	\$18,485.22	136,927
TOTAL	\$96,363.31	\$121,271.16	\$67,473.24	499,800

BUDGET/FINANCIAL INFORMATION:

Because SCE incentives are time-sensitive, the City must fund the lighting project as soon as possible. In order to meet the SCE timeline, the materials have been purchased and the rebate request has been submitted to SCE. The total cost of the materials and installation for the Project is \$217,634.47. There is a sufficient expenditure appropriation in the Downtown Parking Capital Program to cover the \$96,363.31 for the materials. Since this project was not anticipated when the budget was prepared, an appropriation of \$121,271.16 is needed from the Downtown Parking operating reserves to cover the cost for the installation of the lighting.

In addition to reducing maintenance costs, the proposed lighting retrofits will save the Downtown Parking program \$67,473.24 annually in reduced energy costs, giving the Project a 2-year payback period.

SUSTAINABILITY IMPACT:

Replacement of the existing high pressure sodium and metal halide lighting in all of the City's parking garages will result in a significant reduction in energy use. It is estimated that the retrofits on the four garages combined will save 499,800 kWh annually and reduce CO₂ equivalent emissions by 440,000 lbs. per year.

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SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office