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DEPARTMENT OF
PUBLIC WORKS

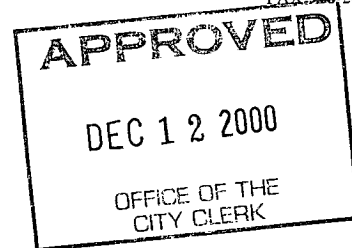
CITY OF SACRAMENTO
CALIFORNIA

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SUITE 300
SACRAMENTO, CA
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TECHNICAL SERVICES
DIVISION

PH 916-264-8300
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November 28, 2000



City Council
Sacramento, California

Honorable Members in Session:

**SUBJECT: AUTHORIZATION TO SUBMIT A GRANT APPLICATION FOR AB970 PEAK
LOAD REDUCTION PROGRAM – LIGHT EMITTING DIODE TRAFFIC SIGNAL
CONVERSION AND ESTABLISHMENT OF A NEW CIP**

LOCATION AND COUNCIL DISTRICT:

Citywide. All Districts.

RECOMMENDATION:

This report recommends that the City Council take the following actions:

- Approve the attached resolution directing staff to submit a project for funding through the Peak Load Reduction Program – Light Emitting Diode Traffic Signal Conversion; and
- Approve the attached resolution establishing the LED Traffic Signal Conversion CIP.

CONTACT PERSON:

Theresa Arnold, Senior Engineer, 264-5514
Eric Yap, Senior Engineer, 264-5641

FOR COUNCIL MEETING OF:

December 12, 2000

Department of
PUBLICWORKS
CITY OF
SACRAMENTO

SUMMARY:

The new Peak Load Reduction Program will provide \$50 million statewide to reduce peak electrical demand. One of the six program elements is the conversion of incandescent traffic signals to light emitting diodes (LEDs). Proposed projects need to be operational by June 1, 2001.

COMMITTEE/COMMISSION ACTION:

None.

BACKGROUND INFORMATION:

Assembly Bill 970 allocates \$50 million to the California Energy Commission to use these funds for a program to reduce peak electrical demand. Up to \$10 million has been allocated to the Light Emitting Diode Traffic Signal Conversion. Staff is recommending that the City submit an application to convert 3100 incandescent modules to LEDs. The grant will provide a fixed incentive per module type of \$25 to \$50. It will cost between \$75 to \$97 to replace each module. SMUD staff has informed us the SMUD will contribute \$44,750 to the cost of the conversion. These funds are available on a first come, first serve basis.

The LEDs must be operational by June 1, 2001 in order to receive the grant funding. In order to meet this timeline, staff recommends that the CIP be established at this time.

FINANCIAL CONSIDERATIONS:

The total project cost to convert 3100 modules to LED is \$275,150. The AB 970 grant will cover \$117,000 and SMUD will contribute \$44,750. The remaining \$113,400 will be funded from Measure A contingency.

On November 27, 2000, the Sacramento Transportation Authority Board allocated \$213,713 additional funds to the City's Measure A contingency. These additional funds are the result of the judgement against the Board of Equalization for over collection of administrative fees. A portion of these dollars will be programmed for this project.

Conversion of these traffic signal modules to LEDs will result in energy savings of \$89,500 per year.

ENVIRONMENTAL CONSIDERATIONS:

This activity is not considered a project as defined by Section 15378 of the California Environmental Quality Act (CEQA) guidelines. The activity does not involve physical construction and has no potential to cause a significant impact on the environment (CEQA Section 15061(b)(3)).

In the event that the City of Sacramento receives grant funding to implement a conversion project, the project will be evaluated per CEQA requirements.

City Council
AB 970 – LEDs Conversion
November 28, 2000

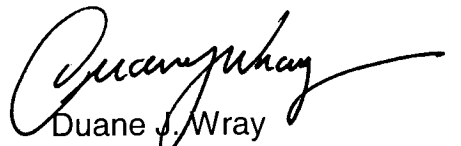
POLICY CONSIDERATIONS:

The conversion of incandescent traffic signals to LEDs will result in reduced costs due to energy conservation

ESBD CONSIDERATIONS:

None, as no services are being procured.

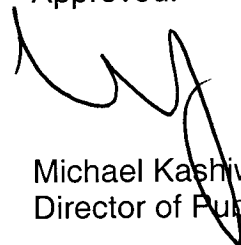
Respectfully submitted,


Duane J. Wray
Technical Services Manager

RECOMMENDATION APPROVED:


ROBERT P. THOMAS
City Manager

Approved:


Michael Kashiwagi
Director of Public Works

APPROVED
DEC 12 2000
OFFICE OF THE
CITY CLERK

RESOLUTION NO. 2000 - 716

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF _____

A RESOLUTION AUTHORIZING THE DIRECTOR OF PUBLIC WORKS TO SUBMIT AN APPLICATION TO THE CALIFORNIA ENERGY COMMISSION FOR PEAK LOAD REDUCTION GRANT FUNDING

THE CITY COUNCIL OF THE CITY OF SACRAMENTO RESOLVES THAT:

- The Director of Public Works is authorized to submit an application for funding from the California Energy Commission to replace incandescent traffic signals with those using light emitting diodes.
- If recommended for a funding award by the California Energy Commission, the City Council authorizes the City of Sacramento to accept a grant up to \$117,000.
- The Director of Public Works is hereby authorized and empowered to execute in the name of the City of Sacramento all necessary document to implement and carry out the purpose of this resolution, and to undertake all actions necessary to undertake and complete the energy efficiency project.

MAYOR

ATTEST:

CITY CLERK

FOR CITY CLERK USE ONLY

RESOLUTION NO.: _____
DATE ADOPTED: _____

APPROVED
 DEC 12 2000
 OFFICE OF THE
 CITY CLERK

RESOLUTION NO. 2000 - 777

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF _____

RESOLUTION APPROVING APPROPRIATIONS FOR THE TRAFFIC SIGNAL CONVERSION TO LEDS (PN: SP11)

THE CITY COUNCIL OF THE CITY OF SACRAMENTO RESOLVES THAT:

1. The Traffic Signal Conversion to LEDs (PN: SP11) be established as a new Capital Improvement Program.
2. The FY00/01 Transportation Capital Improvement Program be amended per the following budget adjustments:

FUND	AGENCY	ORG	OBJECT	CURRENT BUDGET	REVISED BUDGET	INCREASE (DECREASE)	ACCOUNTING REFERENCE
201	710	7012	4999	\$3,123,637	\$3,242,503	\$118,806	A
201	310	3131	3108	\$12,024,944	\$12,143,750	\$118,806	B
207	710	7012	4999	\$76,000	\$170,907	\$94,907	C
207	310	3131	3108	\$8,283,350	\$8,378,257	\$94,907	D
207	710	7012	4999	\$170,907	\$76,000	(\$94,907)	E
201	710	7012	4999	\$3,242,503	\$3,224,010	(\$18,493)	F
207	500	SP11	4820	\$0	\$94,907	\$94,907	G
201	500	SP11	4820	\$0	\$18,493	\$18,493	H

3. Staff is directed to submit the allocation of Transportation Sales Tax funds (201 and 207) to the Sacramento Transportation Authority (STA).

 MAYOR

ATTEST:

 CITY CLERK

FOR CITY CLERK USE ONLY

RESOLUTION NO.: _____
 DATE ADOPTED: _____