



CITY OF HAYWARD
AGENDA REPORT

AGENDA DATE 07/16/02
AGENDA ITEM 5
WORK SESSION ITEM _____

TO: Mayor and City Council
FROM: Director of Public Works
SUBJECT: Authorization to Apply for Traffic Signal Battery Backup System Grant Funding

RECOMMENDATION:

It is recommended that the City Council adopt the attached resolution authorizing the City Manager to submit applications to the California Energy Commission for funding of traffic signal battery backup systems.

DISCUSSION OR BACKGROUND:

During last year's energy emergency, battery backup systems were installed at sixteen key City-owned and operated traffic signals throughout the City (see existing locations on Exhibit A). The systems would ensure continued signal operations in the event of a rolling blackout or other event where electrical service is lost. Continued signal operations would prevent traffic congestion at these critical locations and would relieve the need for the police to be on-hand to direct traffic. Caltrans is in the process of developing a plan to install battery backup systems at those signals for which it is responsible.

The California Energy Commission is partially reimbursing agencies that installed battery backup systems prior to September 28, 2001. Fifteen of the City's locations meet this criterion.

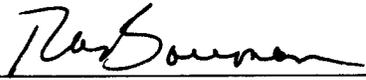
The City is applying for \$7,829.78 from this program, which represents about 20 percent of the total cost of the battery backup equipment. According to the Energy Commission's funding formula, this is the maximum funding for which we are eligible. Agencies are being reimbursed a percentage of their costs, up to \$4,000 per intersection.

In addition to this program, the California Energy Commission has a program to partially reimburse material costs for new battery backup systems. Again, City staff has reviewed several high volume locations and is recommending additional battery backup installation at the twenty-five locations shown on Exhibit A as new. These locations were chosen because they are on high volume arterials. Such locations will score quite high and, thus, will have an excellent chance of being funded. The estimated cost to install equipment for the battery backup systems at these locations is about \$76,000; the City is applying for \$40,600.

If approved by the Energy Commission, it is estimated that installation of the new battery backup systems can be completed early next year. Funding for the City's share of costs is available in the Capital Improvement Program budget.

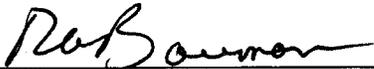
It is recommended that Council authorize the City Manager to execute and submit the applications to the California Energy Commission on behalf of the City.

Prepared by:



Robert A. Bauman, Deputy Director of Public Works

Recommended by:

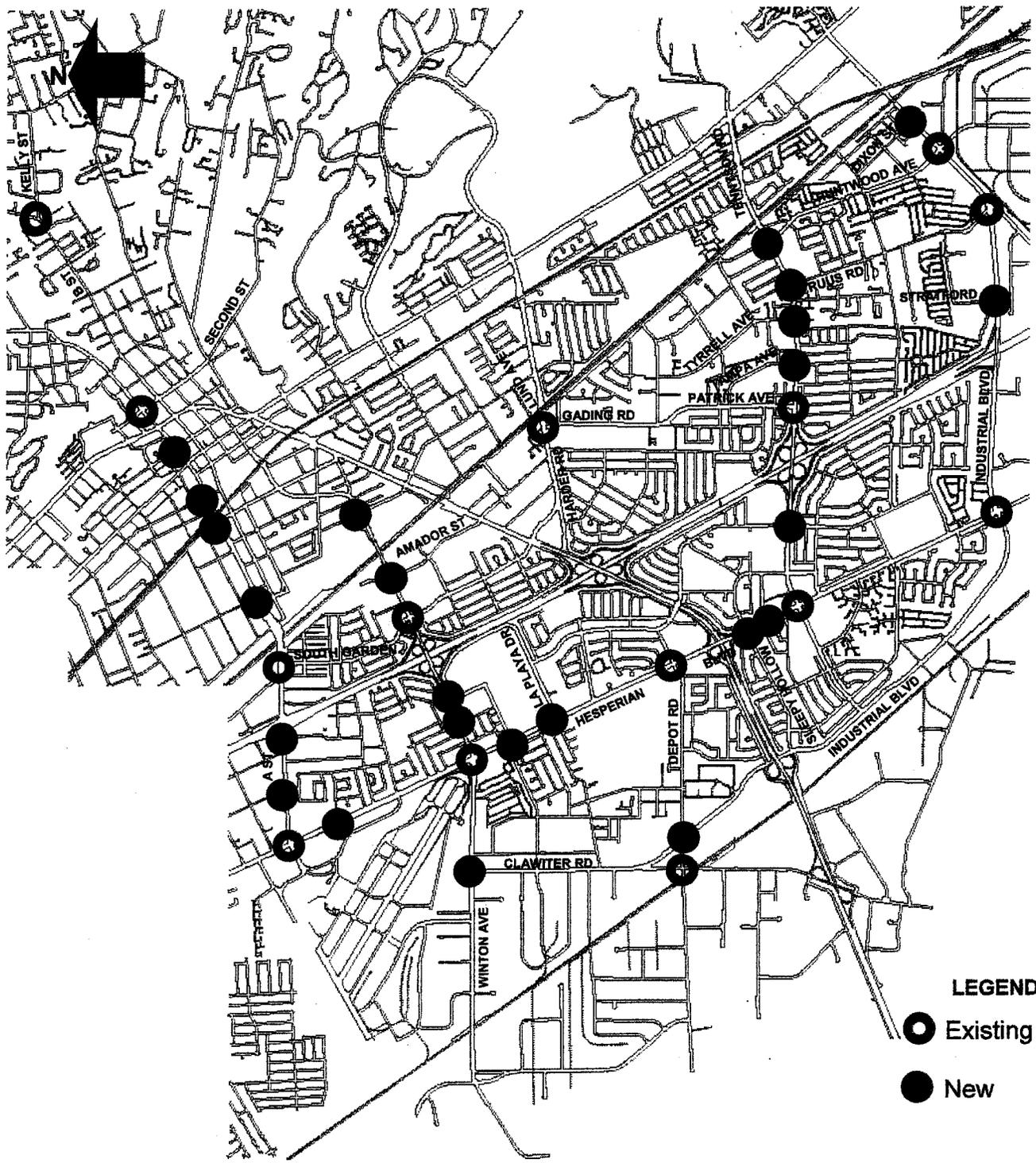

for _____
Dennis L. Butler, Director of Public Works

Approved by:



Jesús Armas, City Manager

Exhibit A: Traffic Signal Battery Backup Locations



TRAFFIC SIGNAL BATTERY BACKUP LOCATIONS

Exhibit A

DRAFT *UH 7/1/02*

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

**RESOLUTION AUTHORIZING THE CITY MANAGER TO
SUBMIT GRANT APPLICATIONS FOR TRAFFIC SIGNAL
BATTERY BACKUP SYSTEM FUNDING**

WHEREAS, the California Energy Commission has two programs to provide funding for partial reimbursement for installation of traffic signal battery backup systems -- one for installation of systems prior to September 28, 2001, and one for the material costs of traffic signal battery backup systems to be installed in the future; and

WHEREAS, during the energy emergency in 2001, the City installed such systems on 15 intersections that are eligible for partial reimbursement; and

WHEREAS, City staff has identified 25 additional locations chosen for future installation of battery backup equipment that would be eligible for partial reimbursement of material costs.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Hayward hereby authorizes the City Manager to submit grant applications to the California Energy Commission for partial reimbursement for previous installations, and participation in the grant program for future installation of the traffic signal battery backup systems.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2002

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:

MAYOR:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward