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April 30, 1991

Budget & Finance/Transportation and
Community Development Committees
Sacramento, California

Honorable Members in Session:

**SUBJECT: PUBLIC SAFETY GENERATOR UPGRADE (CIP # 002E) REPORT
BACK**

SUMMARY

This report is a response to the Joint Committee's concern regarding potential air pollution generated by the use of diesel emergency generators as provided in the proposed Public Safety Generator Upgrade Capitol Improvement Project.

BACKGROUND INFORMATION

The proposed project provides for the replacement of eight existing emergency generators that are not in compliance with the Public Fire Service and Communication Code (NFPA 1221; 110) and the California Electric Code (Articles 701 & 702), and are required for essential emergency services. The scheduled replacements are 12 KVA diesel generators complete with automatic transfer switches and battery back-up.

For this need, diesel driven generators are traditionally used because of their reliability. Reliability is the most critical component for an emergency back-up generation system. After sitting idle for long periods of time and being turned off, a diesel engine will start without delay or hesitation. Additionally, diesel fuel does not evaporate and is not fume-forming. These are important considerations in an enclosed environment where many of the generators are stationed.

Further, pollution potential is minimal as the diesel driven generators will be operated only one hour per week for testing (as required by Public Fire Service and Communication Code. <NFPA 1221>) and for the duration of any actual emergency situation where the main power supply has been interrupted.

FINANCIAL DATA

Measure G funding to support this project over the next four years is being requested in the FY 92-96 CIP Budget.

POLICY CONSIDERATIONS

As cited above, the existing generators are not in compliance with the Public Fire Service and Communication Code (NFPA 1221; 110) requirements for essential emergency services.

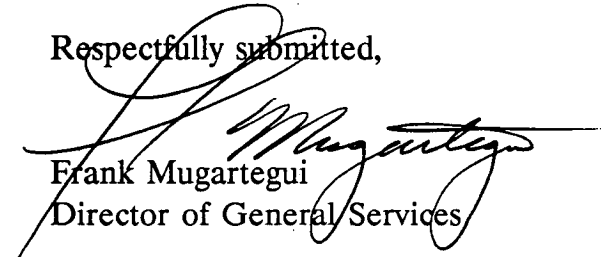
MBE/WBE EFFORTS

Every effort will be made to meet M/WBE goals in the procurement of the requested generators.


RECOMMENDATION

This report is provided as information only and requires no further action by Joint Committee.

Respectfully submitted,


Frank Mugartegui
Director of General Services

APPROVED FOR COMMITTEE INFORMATION:


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April 30, 1991
All Districts

GSA 91-058