

\$650,000.



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DEPARTMENT OF
PUBLIC WORKS
SOLID WASTE DIVISION

CITY OF SACRAMENTO
CALIFORNIA

November 25, 1996

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City Council
Sacramento, California
Honorable Members in Session

SUBJECT: DESIGN/BUILD OF A LANDFILL GAS FLARE (YA36)

LOCATION and COUNCIL DISTRICT:

20 - 28th Street (City of Sacramento Landfill) - Council District #3

RECOMMENDATION:

This report recommends that City Council adopt the attached resolutions which:

- Suspends competitive bidding for the design and construction of a landfill gas flare.
- Authorizes the City Manager to execute a contract with SCS Field Services Inc. in an amount not to exceed \$650,000 for the design/build of a John Zink landfill gas flare.
- Approves a resolution for the transfer of funds from the Solid Waste Contingency Fund to the landfill closure project (YA36).
- Ratifies the City of Sacramento Landfill Flare Mitigated Negative Declaration.

CONTACT PERSON: Reina J. Schwartz, Manager, Solid Waste, 264-7043

FOR THE COUNCIL MEETING OF: December 3, 1996

SUMMARY:

This project will provide the necessary flare capacity for the destruction of excess landfill gas and to prevent landfill gas migration. Additionally, the construction of the new flare is a regulatory requirement necessitated by a Notice and Stipulated Order of Compliance issued by the Local Enforcement Agency (LEA) to the City of Sacramento on August 15, 1996.

City Council
Design/Build of a Landfill Gas Flare (YA36)
November 25, 1996

COMMITTEE/COMMISSION ACTION: None.

BACKGROUND INFORMATION:

Pertinent information regarding the City's landfill gas collection program is summarized below as background for the City's expansion of landfill gas flare capacity:

- The City of Sacramento Landfill will undergo final closure construction during Spring and Summer 1997. New construction will include a clay cap over Waste Management Unit B (WMU-B), installation of 15 landfill gas (LFG) extraction wells in WMU-B and 66 perimeter LFG extraction wells.
- The City landfill currently has one landfill gas flare, designed for burning 1500 standard cubic feet per minute (scfm). It is now estimated that the City landfill will produce up to 2000 scfm, exceeding our current flare capacity, thus necessitating the installation of a second flare unit.
- The LEA and the Regional Water Quality Control Board will not accept our final closure unless we comply with federal and state regulations and mitigate existing and future landfill gas migration. Failure to comply with the LEA Notice and Stipulated Order of Compliance may subject the City to civil penalties of up to \$10,000 a day.
- The landfill gas flare must be installed prior to placement of the clay cap. Capping the remaining acreage at the City landfill prior to installation of additional landfill gas flare capacity would likely exacerbate off-site migration of landfill gas along the I-80 freeway.
- John Zink Company manufactured the existing landfill gas flare. SCS Field Services Inc. has over thirty years of experience in installation of John Zink Company manufactured flares. Both SCS Field Services and John Zink Company has extensive knowledge of the site and vast experience will make installation and maintenance of the second flare more cost effective.
- Using the same type of flare (John Zink) will result in considerable operation and maintenance savings because there would be just one maintenance contract for the two flares. Down-time of the flare will also be reduced due to interchangeability of parts between the two flares.
- John Zink Company is a leading manufacturer of landfill gas flares and has an excellent reputation with landfill owners and operators throughout the United States. The combined knowledge of SCS and John Zink will secure a successful project.

City Council
Design/Build of a Landfill Gas Flare (YA36)
November 25, 1996

FINANCIAL CONSIDERATIONS:

The contract with SCS Field Services Inc. will not exceed \$650,000. The project budget for the Landfill Gas Flare project is \$650,000. As of September 26, 1996, the unobligated fund balance was \$291,954. The remaining \$358,046 of the project funds will be transferred from the Solid Waste Contingency Fund to YA36. This transfer of funds should be sufficient to cover the cost of the SCS Field Services Inc. contract.

ENVIRONMENTAL CONSIDERATIONS:

In accordance with the State Guidelines for implementation of the California Environmental Quality Act (CEQA) of 1970, the Planning Services Division, Environmental Section has reviewed the proposed project. This review has resulted in the determination that the proposed project will not have a significant adverse impact on the environment and a Negative Declaration was prepared (Exhibit A).

A Notice of Availability (NOA) for public review and comment of the Negative Declaration was published in the Sacramento Bee and the Daily Recorder on October 3, 1996. The NOA was posted at the entrance road to the project site and in the neighborhood and mailed to persons/agencies interested in activities at the closed landfill. The 30-day comment period for the Negative Declaration will end on November 4, 1996. No comments had been received at the time that this staff report was written. Any comments received on the Negative Declaration will be provided to City Council for review prior to the hearing on November 12, 1996.

POLICY CONSIDERATIONS:

Federal and State regulation requires the City to control landfill gas emissions and off-site migration of landfill gas. Compliance with Federal and State Regulations is consistent with the City Council's priority regarding public safety.

City Code, Section 57.04.401© authorizes suspension of competitive bidding when the City Council determines, upon a 2/3 vote, that it is in the best interest of the City. Staff believes suspension of competitive bidding in this instance is in the best interest of the City because contracting with SCS Field Services Inc. both the design and build the additional landfill gas flare should result in significant operational and maintenance savings. Compliance will also be hastened and employing the same firm to perform both the design and construction of the landfill gas flare should decrease our overall cost of adding additional flare capacity to our facility.

MBE/WBE:

SCS Field Services Inc. has assured the City that they will make every effort to find M/WBE businesses to meet the City's MBE/WBE employment goals of 10.5% and 9.5% respectively. John Zink Co. believes they can achieve these goals by: (1) Renting equipment from local MBE/WBE businesses; and, (2) Subcontracting out the block wall, foundations and electrical work to M/WBE businesses.

Respectfully submitted,



Reina J. Schwartz
Manager, Solid Waste

RECOMMENDATION APPROVED:



WILLIAM H. EDGAR
City Manager

Approved:



Michael Kashiwagi
Director of Public Works