



**NAPA-VALLEJO WASTE
MANAGEMENT AUTHORITY**

Agenda Date: 9/3/2009

Agenda Placement: 5B

Napa-Vallejo Waste Management Authority Board Agenda Letter

TO: Board of Directors
FROM: Martha Burdick for Cave, Trent - Manager
Napa-Vallejo Waste Management Authority
REPORT BY: Trent Cave, Manager - 7072534274
SUBJECT: Electrification Upgrade Project for ACSL

RECOMMENDATION

ELECTRIFICATION PROJECT

REQUESTED ACTION: Approval and authorization for the Chair to sign Agreement No. 10-03 with Shaw Environmental, Inc., for the term September 3, 2009 through June 30, 2010, in an amount not to exceed \$113,357, to upgrade the flare/compressor station electrical power installation located at the American Canyon Sanitary Landfill.

EXECUTIVE SUMMARY

The American Canyon Sanitary Landfill (ACSL) site is a complex combination of environmental monitoring systems and electrical generation facilities. Shaw has been working at ACSL for a number of years and has developed a unique knowledge of the site, with its hazardous and complexities, along with a strong working relationship with other consultants, electrical generation operators and the Authority. Very few electricians will work at landfill sites because of the risk of methane gas explosions from electrical sparks. It is estimated that the Project would be completed within 5 to 6 months of inception.

Approval of the requested Agreement will allow for the separation of the electrical feed to the flare and compressor station facilities thus allowing operation of the flare regardless of any operational issues at the electrical generation site.

This Project is included in the approved Capital Improvement Budget for Fiscal Year 2010.

FISCAL IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	Napa-Vallejo Waste Management Authority Capital Improvement Budget.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The flare and compressor station share a common electrical feed line. The installation of a new switchgear panel will separate the incoming electrical feed which will allow for operation of the flare regardless of the compressor plant's operation and/or condition.
Is the general fund affected?	No
Future fiscal impact:	None.
Consequences if not approved:	Experience electrical interruptions which makes the flare inoperable.
Additional Information:	

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

BACKGROUND AND DISCUSSION

The flare and compressor station at the American Canyon Sanitary Landfill (ACSL) share a common electrical feed line. The installation of a new switchgear panel will separate the incoming electrical feed, upgrade the service, and will allow for operation of the flare regardless of the compressor plant operation and/or condition.

The ACSL site is a complex combination of environmental monitoring systems and electrical generation facilities. Shaw has been working at ACSL for a number of years and has developed a unique knowledge of the site, with its hazards and complexities, along with a strong working relationship with other consultants, electrical generation operators and the Authority. Very few electricians will work at landfill sites because of the risk of methane gas explosions from electrical sparks. Shaw has both the qualified electricians and the expertise to accomplish the necessary installations and conversions to PG & E power. Shaw estimates project start to completion time of approximately 5-6 months, depending largely on PG&E scheduling. Shaw has a good working relationship with PG & E and will make certain to give PG & E advance scheduling notification in order to help keep delays to a minimum.

This project is included in the approved Capital Improvement Budget for Fiscal Year 2010 and completion is expected before the end of the Fiscal Year.

SUPPORTING DOCUMENTS

A . Work Scope

Manager: Approve

Reviewed By: Martha Burdick