

**MEMORANDUM  
DEPARTMENT OF FACILITY SERVICES  
COUNTY OF PLACER**

To: **BOARD OF SUPERVISORS** Date: **SEPTEMBER 24, 2013**  
From: **MARY DIETRICH / BILL ZIMMERMAN**  
Subject: **LANDFILL GAS COLLECTION AND CONTROL SYSTEM EXPANSION  
PROJECT AT THE EASTERN REGIONAL LANDFILL – CONSULTANT  
SERVICES AGREEMENT**

**ACTION REQUESTED / RECOMMENDATION:**

1. Approve an Agreement with Stearns, Conrad and Schmidt Consulting Engineers, Inc., dba SCS Field Services (SCS) to install the Landfill Gas Collection and Control System Expansion Project at the Eastern Regional Landfill in Truckee, in an amount not to exceed \$245,112 funded by Eastern Regional Material Recovery Facility tipping fee revenue, with no net County cost.

**BACKGROUND:** The Eastern Regional Landfill (ERL) is a 292-acre site, located approximately three miles south of Truckee off Highway 89 on Cabin Creek Road. Municipal solid waste was landfilled from 1973 until 1995 when the materials recovery facility (MRF) and transfer station were constructed. Closure activities, including installation of a low permeable cover system and a landfill gas collection control system (GCCS), began in 1998 and final closure was approved by the California Integrated Waste Management Board and the Local Enforcement Agency (Placer County Environmental Health) in 2000.

Decomposition of waste in the landfill generates methane gas, which if uncontrolled can migrate from the landfill and can become explosive if allowed to build up in a confined space. ERL currently has 10 landfill gas (LFG) compliance monitoring probes installed around the perimeter of the landfill to detect migrating methane gas in the soil. Additionally, the site has two additional monitoring probes between the landfill and the adjacent MRF buildings for detection of methane near the structures.

Methane has been detected in one of the probes between the landfill and the MRF. In order to correct this problem, the County completed design work for the Project which includes a phase one installation of additional extraction wells located along the landfill boundary and a potential second phase that includes installation of additional wells located in the waste fill. This Agreement implements the first phase of the Project. If needed, a second phase of the Project will be implemented during the FY 2013/14 construction season.

On February 14, 2012 your Board approved a list of prequalified consulting firms for *Wastewater, Water/Recycled Water and Landfill Systems Consulting* (RFQ No. 10133). Due to the specific technical qualifications required for the implementation of this remediation plan, staff provided the plan and requested proposals from seven firms on the prequalified list to provide engineering services and landfill gas collection well installation for the GCCS expansion project at ERL. SCS work plan and cost proposal provides the necessary work for the best value of the proposals received. In order to proceed with the Project, staff requests that your Board approve the Agreement with SCS. A copy of the Agreement is available for review at the Clerk of the Board.

**ENVIRONMENTAL CLEARANCE:** This Project is exempt from further environmental review pursuant to CEQA Guidelines Section 15301, Existing Facilities. This exemption allows for minor alterations of existing public facilities or structures which do not result in an expansion of the existing use. Section 15301(b) specifically refers to alterations to existing public facilities used to provide electric power, natural gas, sewerage, or other public utility services.

**FISCAL IMPACT:** Staff recommends a total budget of \$245,112 which includes \$233,440 for the work as proposed and 5% contingency. Adequate funding for this Project is included in the FY 2013/14 Eastern Regional Landfill Budget funded by MRF tipping fee revenue, with no net County cost.

MD:BZ:WS:LM

CC: COUNTY EXECUTIVE OFFICE

AVAILABLE FOR REVIEW AT THE CLERK OF THE BOARD: AGREEMENT

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