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February 26, 2014

Electronic Mail
File: TOS-S72-INI

To: Bureau of Sanitation Pre-Qualified On-call Contract Consultants

Issuance of Task Order Solicitation TOS S72 – Landfill Gas (LFG) Assessment Study at Lopez Canyon Landfill

The City is soliciting responses from the entire Pre-Qualified On-Call Consultant List. Attached are details of the Task Order Solicitation (TOS) required services.

The deadline for the proposal submittal is **Thursday, March 20, 2014**. If your firm is interested in this TOS, please submit the proposal to the following Bureau of Sanitation's staff via e-mail no later than 2:00 p.m. on the indicated due date:

- Thu Van Ho, thu-van.ho@lacity.org
- Timmie De Ramos, timmie.deramos@lacity.org

Thank you for your interest and we look forward to receiving your response to this TOS.

Sincerely,

Ali Poosti, Division Manager
Wastewater Engineering Services Division
Bureau of Sanitation

AP:tvh

c: Abdulsamad Danishwar
Jonathan Zari
John Hamilton
Timmie De Ramos
Thu Van Ho



**City of Los Angeles
Department of Public Works
Bureau of Sanitation**

Pre-Qualified Sanitation On-call Consultant Services Contract

**Task Order Solicitation:
Assessment of Landfill Gas (LFG) Generation and Collection at Lopez Canyon
Landfill**

February 2014

1. Introduction

Lopez Canyon Landfill, located at 11950 Lopez Canyon Road in Lake View Terrace, is a class III landfill that started receiving refuse in 1975 and ceased receiving refuse in 1996. The property size is 399 acres. The landfill area under refuse is 166 acres. The Bureau of Sanitation (Bureau) operates a green material processing facility on 45 acres of the 166. The Landfill Gas (LFG) extraction system was installed concurrently during the operation of the landfill. The landfill closure construction for the site was completed in 2012.

The current Lopez Canyon Landfill Gas extraction system consists of a network of 450 gas extraction wells, over five miles of LFG conveyance piping, a gas condensate system, and a flare station. All of the LFG is used by a 6 Megawatt methane power plant located at Lopez Canyon. The plant is owned and operated by Fortistar Lopez LLC a private company. The Los Angeles Department of Water and Power also owns and operates 50 microturbines that have the ability to generate 1.5 Megawatts power, but this facility has not operated for a number of years because of lack of LFG.

2. Scope of Services

The Bureau is soliciting a qualified consultant firm to provide an assessment study of the current LFG system at the Lopez Canyon Landfill site in Lake View Terrace, California. This work shall include, but is not limited to:

- Scope 1 **GAS GENERATION ESTIMATE** – The City of LA is requesting from engineering firms a report to assess the quantity and quality of landfill gas presently available at the Lopez Canyon Landfill. This work will update, verify and augment the "Landfill Gas Recovery Projections, Lopez Canyon Landfill" performed by SCS Engineers in October 2011 (Attached). Elements of the work will include:
- a. Estimate of Current Available landfill gas.

- b. Bench mark with other local landfills with equal climate conditions.
Provide graphics of gas production histories of Lopez and other landfills.
- c. Future estimate of gas production at Lopez

Scope 1 Deliverables:

- a. Compare the Lopez historical gas curve with other landfill gas curves similar to Lopez.
- b. Estimate of current gas generation vs collection.
- c. Prediction for next 5 – 15 years.

Scope 2 **GAS COLLECTION SYSTEM EVALUATION & OPTIMIZATION-** Evaluation of the landfill gas collection system to determine the optimum operating parameters, configuration, and procedures.

- a. Determine the optimum vacuum that can be applied to the landfill collection system.
- b. Physical System Improvements
 - a. Determine optimum gas well location and conveyance pipeline design for gas extraction.
- c. Review and optimize the City gas system operation and maintenance procedures.
 - a. Well field monitoring and adjustment frequency
 - b. Data handling
 - c. Maintenance and Inspection Crew procedures

Scope 2 Deliverables: Report including the sections listed below

- a. Assessment of the overall condition of system (lateral wells, horizontal wells, condensate, leachate)
- b. Recommendation for well field and conveyance pipeline modifications.
- c. Optimum operating parameters.
- d. Determination of regulatory compliance and O & M contract compliance.
- e. Determination of Gaps in the present gas tuning and gas collection system maintenance procedures and organization.

Scope 3 **TRAINING** -for the Gas System Crew, supervisors, and Inspectors for better gas well tuning and maintenance.

Scope 3 Deliverable:

Training Session and a simple Training manual for tuning and maintenance of the landfill addressing new procedures and organizational improvements.

3. Term of Engagement

The term of engagement is 12 months. It is estimated that the cost ceiling for this TOS is approximately \$50,000.

4. Solicitation Schedule

- Issue Task Order SolicitationDate of Cover Letter.
- Receive Solicitation Responses.....As indicated in Cover Letter.
- Conduct Interviews if necessary.....5 weeks after issuance of TOS.
- Select and Negotiate.....7 weeks after issuance of TOS.
- Issue Task Work Order.....9 weeks after issuance of TOS.

5. Solicitation Response Requirements

Solicitation Responses shall not exceed twenty (20) pages, exclusive of cover, dividers and resumes. Solicitation Responses shall be electronically submitted to the following Bureau's staff no later than 2:00 pm of proposal due date to:

- Timmie De Ramos, timmie.deramos@lacity.org
- Thu-Van Ho, thu-van.ho@lacity.org

Solicitation Responses shall include:

- Resume demonstrating that the candidate is capable of meeting the requirements of the Scope of Work. Resume shall include work experience history with dates, and references from past employers, owners, and/or organizations.
- Provide a proposed individual cost breakdown by tasks.
- Provide a breakdown of estimated time for completion of task.
- Proposed Hourly Billing Rate Summary for the proposed candidate with all respective direct and indirect costs, markups, expenses, overhead rates and profit. (Sample Attached).
- MBE/WBE/OBE subcontractors utilized and the percent utilization.
- Provide a valid MBE/WBE Certifications of MBE/WBE subcontractors utilized.
- Statement pertaining to the candidate's availability.

6. Selection Criteria

The selection team will evaluate the proposals with the following criteria:

- Capability and experience in providing the Scope of Services as demonstrated by the proposal.
- Expert knowledge and work experience associated with understanding of the issues, options, and approaches related to Landfill Gas systems at landfills.

- Knowledge, experience, and understanding of the Landfill's strategies and goals in LFG collection systems.
- Experience and proven track record with similar projects.
- Familiarity and understanding of landfill activities, goals, and objectives.
- The value offered to the City considering cost in comparison to capabilities and experience of the candidates.

7. Suggested MBE/WBE Participation Levels

The City had set anticipated participation levels (APLs) of 18 percent and 4 percent for MBE/WBE participation, respectively, for TOS over \$100,000.

For proposal with cost ceiling of less than or equal to \$100,000, the MBE/WBE anticipated participation levels will not apply. However, the consultant is still encouraged to utilize MBE/WBE/OBE sub-consultants wherever feasible.

8. Task Order Manager

The City's On-Call Contract Manager is: Ali Poosti, Division Manager, Wastewater Engineering Services Division, (323) 342-6228.

The Task Manager for this designated TOS is: Timmie De Ramos, Environmental Engineering Associate, Solid Resources Processing and Construction Division, (213) 847-2800.

9. Disclaimer

The City may or may not decide to award any or part of this task order based on its sole convenience and shall not be responsible for any solicitation response costs.

HOURLY BILLING RATES (To be submitted for each Task Order Solicitation)

FIRM	Status	Last Name	First Name	Position	Rate (\$/hr)	Approved Overhead Rate	Approved Profit	Billing Rate (\$/hr)	Effective Date	Notes
PRIME FIRM	Prime	LastPrime	FirstPrime	Task Manager						
PRIME FIRM	Prime	LastPrime	FirstPrime	Sr Engineer						
PRIME FIRM	Prime	LastPrime	FirstPrime	Associate Engineer						
PRIME FIRM	Prime	LastPrime	FirstPrime	Technician						
OBE FIRM NAME1	OBE	Last	First	Position						
OBE FIRM NAME2	OBE	Last	First	Position						
MBE FIRM NAME1	MBE	Last	First	Position						
MBE FIRM NAME2	MBE	Last	First	Position						
WBE FIRM NAME	WBE	Last	First	Position						

Firm Name	Status	Fee	% Fee
OBE FIRM NAME1	OBE		
OBE FIRM NAME2	OBE		
MBE FIRM NAME1	MBE		
MBE FIRM NAME2	MBE		
WBE FIRM NAME	WBE		

Summary	Total Fee (\$)	% Fee
Total OBE		
Total MBE		
Total WBE		
Prime		
Total		100%