



City Council Staff Report

Date: March 4, 2009 CONSENT CALENDAR

Subject: APPROVAL OF A NOTICE TO PROCEED FOR VEOLIA WEST OPERATING SERVICES, INC., FOR THE DESIGN PHASE OF THE GRAVITY THICKENERS UPGRADE, CITY PROJECT 09-02

From: David H. Ready, City Manager

Initiated by: Public Works and Engineering Department

SUMMARY

Approval of this item will authorize Veolia West Operating Services, Inc., ("Veolia") to proceed with the completion of plans and specifications, and construction bidding, for the modification and upgrade of the gravity thickeners at the City's wastewater treatment plant.

RECOMMENDATION:

Authorize the Director of Public Works/City Engineer to issue a Notice to Proceed for Veolia West Operating Services, Inc., in the amount of \$50,223.14 for the design phase of the Gravity Thickeners Upgrade, City Project No. 09-02.

STAFF ANALYSIS:

The City and Veolia continue to coordinate on various capital improvement projects at the City's wastewater treatment plant that will improve the efficiency of the plant to process wastewater. Part of the wastewater treatment process involves using "Gravity Thickeners", which are 30 feet diameter, 10.5 feet high tanks that are used to help further segregate solids from liquid during the treatment process. The more efficient the process, the more solids are removed from the liquid.

The City has two gravity thickeners, which were originally designed for each thickener to receive both primary and secondary sludge. Primary sludge is made of the solids segregated from liquid in the "Primary Clarifier", the first step of the wastewater treatment process, which are large tanks that allow the wastewater to slowly pass through the tanks causing heavier solids to settle to the bottom as sludge. Secondary sludge is made of the solids segregated from the liquid in the "Secondary Clarifier", a later step of the wastewater treatment process, which are additional large tanks that

cause the treated wastewater to further segregate out the smaller solids from the liquid, which settle to the bottom as sludge. As the sludge from the primary and secondary clarifiers is over-saturated, a further process called "Gravity Thickening" is required to segregate as much liquid from the sludge before sending the sludge to the digesters for bio-degradation. Gravity thickening uses the natural tendency of higher-density solids to settle out of liquid to concentrate the solids.

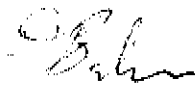
The current wastewater plant flows of sludge are hydraulically surcharging the existing gravity thickeners, allowing sludge to be sent back through the primary clarifier, which is decreasing the efficiency of the overall wastewater treatment process by allowing solids to be re-mixed with liquid. An upgrade of the gravity thickeners is necessary to allow further segregation of liquid from the sludge to occur.

In accordance with Section 5.3(f) of the Amended and Restated Wastewater Services Agreement between the City and Veolia, Veolia is entitled to make a first proposal to do any Capital Project related to the wastewater treatment plant. The scope of work for this project involves a field investigation of the existing gravity thickeners, hydraulic design, preparation of 95% plans, design management, design coordination, and pre-construction support services. Veolia's proposal is included as Attachment 1.


Staff has reviewed Veolia's proposal, and recommends approval of the fee of \$50,223.14 which includes professional design fees for Veolia's consultant, Veolia's labor fees for administering this phase of the project, and a 12.5% gross mark-up as authorized pursuant to the Agreement.

FISCAL IMPACT:

Sufficient funds are available in account No. 420-6800-57018 (Digester Rehabilitation).



David J. Barakian
Director of Public Works/City Engineer



Thomas J. Wilson
Assistant City Manager



David H. Ready,
City Manager

Attachments:

1. Veolia Proposal



PROJECT DATA INPUT

Job No.	Project Name	Location	Revision	Date	JCE Model
TBD	Sludge Thickeners - Option 02 - Design/Pre-Const	Palm Springs, CA	0d	02/19/09	11/16/08

PROPOSAL INFORMATION

Project Name:	Sludge Thickeners - Option 02 - Design/Pre-Const
Job Number:	TBD
Location:	Palm Springs, CA
Project Manager:	Robert Stigm
Proposal Manager:	John Henton
Date:	2/19/2009
Revision:	0d

Master Job Cost Estimate Model
Version 1.5, 1/8/2008 DCR
Password (1111)

MULTIPLIERS

	CONTINGENCY	MARGIN		
Construction Subcontractors:	0.0%	12.5%	Sell Price \$	50,223
Engineering Consultants:	0.0%	12.5%	Margin \$	6,278
Intercompany Services:	0.0%	12.5%		
Material & Equipment:	0.0%	12.5%		
Labor:	0.0%	12.5%	Calcd Gross Margin:	12.50%
Travel and Living:	0.0%	12.5%		
Taxes Bonds Other:	0.0%	12.5%		
Site Costs:	0.0%	12.5%		
TOTAL:				

10 - CONSTRUCTION & PROFESSIONAL SERVICES

Description	Direct Cost	Contingency	Margin	Total	% of Bal
100 Definition Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
101 Site Remediation Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
102 Earthwork Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
103 Civil/Concrete Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
104 General Building Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
105 Mechanical Installation Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
106 Electrical Installation Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
107 Field Erected Tanks Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
108 Miscellaneous Installation Subcontractors	\$ -	\$ -	\$ -	\$ -	0.0%
180 Professional Services	\$ 25,000	\$ -	\$ 3,571	\$ 28,571	56.9%
180 Intercompany Services	\$ -	\$ -	\$ -	\$ -	0.0%
SUBTOTAL:				\$ 28,571	56.9%
CALCD MARGIN:		12.50%			

20 - MATERIAL & EQUIPMENT

Description	Direct Cost	Contingency	Margin	Total	% of Bal
200 Mechanical Equipment	\$ -	\$ -	\$ -	\$ -	0.0%
210 Electrical Equipment	\$ -	\$ -	\$ -	\$ -	0.0%
220 Intercompany Equipment	\$ -	\$ -	\$ -	\$ -	0.0%
230 Other Equipment	\$ -	\$ -	\$ -	\$ -	0.0%
SUBTOTAL:				\$ -	0.0%
CALCD MARGIN:					

30 - LABOR

Description	Direct Cost	Contingency	Margin	Total	% of Bal
300 Project Management	\$ -	\$ -	\$ -	\$ -	0.0%
305 Senior Project Management	\$ 14,982	\$ -	\$ 2,137	\$ 17,099	34.0%
310 Project Oversight	\$ -	\$ -	\$ -	\$ -	0.0%
320 Administration	\$ 1,380	\$ -	\$ 187	\$ 1,577	3.1%
330 Construction Manager	\$ 2,603	\$ -	\$ 372	\$ 2,975	5.9%
340 Scheduler/Estimator	\$ -	\$ -	\$ -	\$ -	0.0%
350 Sr. Construction Manager	\$ -	\$ -	\$ -	\$ -	0.0%
360 Project Engineer	\$ -	\$ -	\$ -	\$ -	0.0%
370 Construction Manager	\$ -	\$ -	\$ -	\$ -	0.0%
380 Labor - Construction	\$ -	\$ -	\$ -	\$ -	0.0%
380 Operations Labor	\$ -	\$ -	\$ -	\$ -	0.0%
SUBTOTAL:				\$ 21,652	43.1%
CALCD MARGIN:		12.50%			

40 - TRAVEL & LIVING / CONCUR

Description	Direct Cost	Contingency	Margin	Total	% of Bal
400 Travel & Living	\$ -	\$ -	\$ -	\$ -	0.0%
400 Travel & Living Other	\$ -	\$ -	\$ -	\$ -	0.0%
SUBTOTAL:				\$ -	0.0%
CALCD MARGIN:					

41 - (CM) TRAVEL & LIVING / CONCUR

Description	Direct Cost	Contingency	Margin	Total	% of Bal
410 Travel & Living	\$ -	\$ -	\$ -	\$ -	0.0%
410 Travel & Living Other	\$ -	\$ -	\$ -	\$ -	0.0%
SUBTOTAL:				\$ -	0.0%
CALCD MARGIN:					

50 - TAXES-BONDS-OTHER

Description	Direct Cost	Contingency	Margin	Total	% of Bal
500 Contingency	\$ -	\$ -	\$ -	\$ -	0.0%
500 Surety Bonds	\$ -	\$ -	\$ -	\$ -	0.0%
500 Bid Bonds	\$ -	\$ -	\$ -	\$ -	0.0%
500 Builders Risk Insurance	\$ -	\$ -	\$ -	\$ -	0.0%
500 General Liability Insurance	\$ -	\$ -	\$ -	\$ -	0.0%
500 Sales & Use Tax	\$ -	\$ -	\$ -	\$ -	0.0%
500 Licenses/Permit Fees	\$ -	\$ -	\$ -	\$ -	0.0%
500 Project Development Costs	\$ -	\$ -	\$ -	\$ -	0.0%
SUBTOTAL:				\$ -	0.0%
CALCD MARGIN:					

60 - SITE COSTS

Cost Code / Phase	Description	Direct Cost	Contingency	Margin	Total	% of Bal
880	Special Site Costs	\$ -	\$ -	\$ -	\$ -	0.0%
890	CM Living Expenses	\$ -	\$ -	\$ -	\$ -	0.0%
910	Fleet Vehicle	\$ -	\$ -	\$ -	\$ -	0.0%
920	Startup Costs	\$ -	\$ -	\$ -	\$ -	0.0%
SUBTOTAL:					\$ -	0.0%
CALCD MARGIN:						

TOTALS

Gross Margin	12.50%	100.0%
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