



**Subject: REPORT ON BIDS AND AWARD OF CONTRACT FOR THE SAN JOSÉ/SANTA CLARA WPCP, FILTER UNDER-DRAIN SYSTEM RENOVATION AND MEDIA REPLACEMENT (A-4) PROJECT**

**Council Agenda: 05-24-11  
Item: 2.10**

**City Council Action Request**

<b>Departments:</b> Environmental Services, Public Works	<b>CEQA:</b> Exempt, PP11-024	<b>Coordination:</b> Office of Risk Management, City Manager's Budget Office, City Attorney's Office, and the Treatment Plant Advisory Committee	<b>CMO Approval:</b> 
			<b>Dept. Approval:</b> John Stufflebean /s/ David Sykes /s/

**RECOMMENDED ACTION:**

- 1) Award the construction contract for the San José/Santa Clara Water Pollution Control Plant, Filter Under-Drain System Renovation and Media Replacement (A-4) Project to the sole bidder, ERS Industrial Services, Inc., in the amount of \$519,118.72.
- 2) Approve a contingency in the amount of \$51,900.

**BASIS FOR RECOMMENDATION:**

This is a pilot project that includes, the installation of a modular filter under-drain system, an air scour cleaning system, and the replacement of existing filter media with a different type of media at one of the existing tanks of the filtration building. This building was constructed in 1978 with 16 gravity drain filters with each tank consisting of layers of anthracite, gravel and sand on top of under-drain perforated blocks. This pilot study project will evaluate the modified filter for the reduction of filter media loss, improvements to the tertiary treatment effluent, extended filter run times, and energy savings. These improvements will result in reduction of costs associated with filter media replacement and energy use by the backwash pumps as well as an increase in the volume of the treated water per filter cycle which reduces in-plant recycle flows.

The Plant Process Engineering staff along with personnel from Maintenance, Instrumentation, and Operations will be involved in the pilot monitoring activities for a period of six months. If this project is successful, the under-drain and the media system may be sole sourced for a future project that will replace the gravel under-drain and filter media system for at least seven other filter beds.

Bids for the project were opened on April 7, 2011 and ERS Industrial Services, Inc. (ERS) submitted the only bid proposal in the amount of \$519,118.72. The limited number of bids may be due to the specialized nature of this work and the pre-qualification requirements that were included as part of the bid solicitation. Bidders were required to have completed a minimum of five similar projects within the last ten years. A total of four prospective bidders attended the pre-bid conference but most concluded they did not have the experience required to deliver the project. The bid submitted by ERS is 22% above the engineer's estimate which is primarily due to a recent rise in prices for stainless steel and transportation costs. The bid amount is considered acceptable for the work involved in this project. The 10% contingency is appropriate for this project.

**COST AND FUNDING SOURCE:**

1.	AMOUNT OF RECOMMENDATION/COST OF PROJECT:	\$519,118.72
2.	COST OF PROJECT:	
	Project Delivery	\$130,000.00
	Construction	519,118.72
	Contingency	51,900.00
	City-furnished Material	<u>10,000.00</u>
	<b>TOTAL PROJECT COSTS</b>	<b>\$711,018.72</b>
3.	SOURCE OF FUNDING: 512 – San Jose-Santa Clara Treatment Plant Capital Fund, Appropriation 5690, RC 163625	
4.	FISCAL IMPACT: Existing funds are available for this project. No additional appropriation action is required.	

**FOR QUESTIONS CONTACT: Michael O'Connell, Acting Deputy Director, Public Works at (408) 535-8300 or Bhavani Yerrapotu, Division Manager, Environmental Services at (408) 945-5321.**