



# REPORT TO COUNCIL

## City of Sacramento

915 I Street, Sacramento, CA 95814-2604  
www. CityofSacramento.org

Consent  
April 6, 2010

Honorable Mayor and  
Members of the City Council

**Title: Contract: Fairbairn WTP Drinking Water Residual Solids Dewatering**

**Location/Council District:** 7501 College Town Drive/Council District 6

**Recommendation:** Adopt a **Resolution** awarding the contract for Fairbairn Water Treatment Plant (WTP) Drinking Water Residual Solids Dewatering to P&H Senesac, Inc. for an amount not to exceed \$249,536.

**Contact:** Mike Yee, Plant Services Manager (808-5583) Dan Sherry, Supervising Engineer (808-1419).

**Presenters:** Not applicable.

**Department:** Utilities

**Division:** Plant Services

**Organization No:** 14001111

### Description/Analysis

**Issue:** Annually, Fairbairn Water Treatment Plant (FWTP) generates several hundred tons of very wet drinking water treatment plant residual solids that must be dried before transportation and acceptance at a landfill. Dewatering the residual solids in June and again in November of this year will facilitate the drying process and allow the continued operation of FWTP. Additional background information and a location map are provided in Attachment 1 (page 4) and Attachment 2 (page 5), respectively.

**Policy Considerations:** The actions requested are in conformance with City Code Section 3.60, Articles I and III, which provides for the award of competitively bid contracts to the lowest responsible bidder.

### Environmental Considerations:

**Central Valley Regional Water Quality Control Board (CVRWQCB):** In mid-2007, the City's Fairbairn Water Treatment Plant was issued Waste Discharge Requirements (WDR) per CVRWQCB Order No. R5-2007-0087. In

order to comply with these requirements, FWTP must semi-annually mechanically dewater the residual solids to aid the drying.

**California Environmental Quality Act (CEQA):** This project involves the continued operation of an existing public utility facility, and thus is categorically exempt from the provisions of CEQA per section 15301(b) of the CEQA Guidelines.

**Sustainability Considerations:** This project is consistent with the City's Sustainability Master Plan goals in that disposal of the dried residual solids at a local landfill is more fuel efficient than disposal at facilities further away that are permitted to accept liquids.

**Other:** Not applicable.

**Commission/Committee Action:** Not applicable.

**Rationale for Recommendation:** Commencing February 10<sup>th</sup>, the project was formally advertised for bidding. On March 10, 2010, the City Clerk opened four (4) bids. Staff recommends the contract be awarded to the lowest responsible bidder for an amount not to exceed \$249,536.

**Financial Considerations:** Total estimated dewatering cost, including inspection and contingency, is \$300,000. The Water Production Operations budget (14001111) currently has sufficient Water funds (Fund 6005) for award and project completion.

**Emerging Small Business Development (ESBD):** This project included a 5% preference for emerging and small business enterprises (ESBE's), but no bids were received from ESBE firms.

Respectfully Submitted by:



Mike Yee

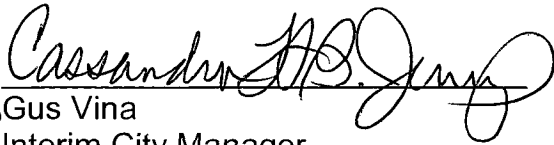
Plant Services Manager

Approved by:



Marty Hannemen  
Director of Utilities

Recommendation Approved:

  
Gus Vina  
Interim City Manager

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**Attachment 1****Background**

Residual solids are a waste byproduct of water purification. They're a very wet, non-toxic mix of water, treatment polymers, and material filtered out of the incoming river water. In order to be accepted at local landfills, and to minimize the total per ton disposal cost, the City dries the material. At the Fairbairn Water Treatment Plant, around 1,000 tons is annually placed into concrete lined lagoons for temporary storage. Stored material is air dried in the warm months, then disposed of at a landfill.

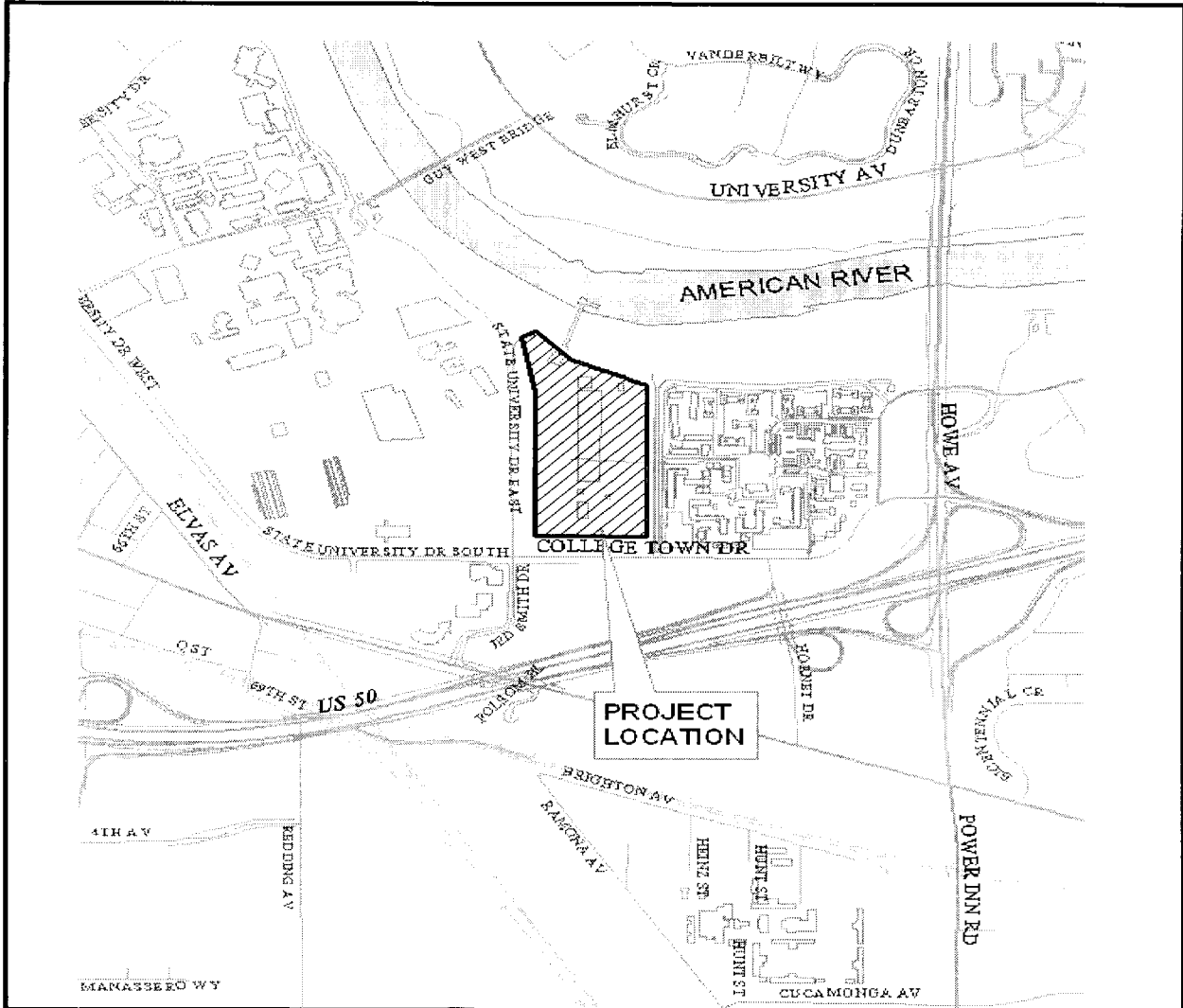
In 2007, the City received updated Waste Discharge Requirements from the Regional Water Quality Control Board (RWQCB). The new RWQCB requirements restrict the months that permit air drying operations outside of the lined lagoons. If the existing residual solids volume is not reduced by mechanical dewatering, output from Fairbairn may have to be reduced. The Utilities Department successfully bid and awarded a contract in 2009 to a dewatering firm that utilized portable dewatering equipment, and the Department proposes to again contract for this service in 2010..

This project was publicly advertised and four (4) bids were received and opened on March 10<sup>th</sup>. The Engineer's estimated cost for the work was \$300,000. Responsible bids received, in ascending whole dollar order, were as follows:

<b><u>Bidder</u></b>	<b><u>Bid Amount</u></b>
P&H Senesac	\$249,536
Delta Oilfield	\$290,881
Bio-Nomic Services	\$355,850
Synagro - WWT	\$387,500

Attachment 2

Project Location Map



REC: 02/01/10 10:40 AM G:\Projects\GIS\Projects\140011\Fairbairn WTP\STEP 1/IN PROJECT/Map



Map Prepared By  
 City of Sacramento  
 Department of Utilities



**Attachment 3**

**RESOLUTION NO. 2010-**

Adopted by the Sacramento City Council

**APRIL 6, 2010**

**AWARD A CONTRACT FOR FAIRBAIRN WTP DRINKING WATER RESIDUAL  
SOLIDS DEWATERING PROJECT**

**BACKGROUND**

- A. The volume of residual solids collected annually at the Fairbairn Water Treatment Plant (WTP) exceeds the plant's storage and air drying capacity.
- B. City staff proposes that the City contract with a specialty dewatering firm. The project was advertised for bidding and bids were received on March 10, 2010. P&H Senesac, Inc. was the lowest responsible bidder.

**BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL  
RESOLVES AS FOLLOWS:**

- Section 1. The contract for Fairbairn WTP Drinking Water Residual Solids Dewatering is awarded to P&H Senesac, Inc., for an amount not to exceed \$249,536.