



REPORT TO COUNCIL

City of Sacramento

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

Consent
November 13, 2008

Honorable Mayor and
Members of the City Council

Title: SRWTP Generator Installation Project (Z14002900)

Location/Council District: The Sacramento River Water Treatment Plant (SRWTP) is located at 1 Water Street (see Attachment 2 – Project Location Map)/Council District 1

Recommendation: Adopt a **Resolution:** 1) approving the contract plans and specifications for the SRWTP Generator Installation Project; and 2) awarding the contract to BRC Construction for an amount not to exceed \$312,000.

Contact: David L. Brent, Engineering Services Manager, 808-1420; Dave Hansen, Supervising Engineer, 808-1421.

Presenters: Not applicable

Department: Department of Utilities

Division: Engineering Services

Organization No: 14001321

Description/Analysis

Issue: As part of the City's effort to improve the reliability of our water treatment plants, a new city supplied generator will be installed at the Sacramento River Water Treatment Plant (SRWTP) in conjunction with other electrical improvements. The new generator will provide twice the power as the existing generator and will help the plant maintain water production in the event of an extended SMUD power outage. The existing generator must be manually started and is difficult to maintain, where as the new generator will start automatically during a SMUD power outage.

Policy Considerations: The requested action is in conformance with City Code Section 3.60, Articles I and III, which provides that the City Council may award competitively bid contracts to the lowest responsible bidder. This report's recommendation is consistent with the City's Strategic Plan goals of improving and expanding public safety.

Environmental Considerations The Planning Services Division, Environmental Section, has reviewed the project and has determined that this project is exempt from CEQA under Section 15301(b) of the CEQA Guidelines (minor alteration of

utility facilities involving no expansion of use).

Rationale for Recommendation: Without reliable backup electrical power the SRWTP can't produce clean drinking water for the residents of Sacramento during an extended SMUD power outage. Therefore, a new City supplied emergency generator will be installed to ensure that the City can provide clean drinking water during a SMUD power outage.

Sustainability Consideration: The generator installation project is consistent with the Sustainability Master Plan goals to reduce the use of fossil fuels, improve energy efficiency, and reduce carbon dioxide emissions. As the new generator will use less fossil fuel and produce less carbon dioxide emissions than the existing generator which will improve our air quality. The new unit is also more energy efficient than the existing generator.

Financial Considerations: The estimated total project costs, including the construction contract cost of \$312,000, are \$439,557. The SRWTP Switchgear Replacement project (Z14002900) currently has an unobligated balance of \$688,463 (Water fund 6005) which is sufficient to award the construction contract and complete the project.

Emerging Small Business Development (ESBD): This project includes participation goals of 20% for emerging and small business enterprises as required by Ordinance 99-007 and Resolution 99-055 relating to ESBD participation goals and policies, adopted by City Council on February 9, 1999. BRC Construction exceeded the ESBD goals with a participation level of 91.98%.

Respectfully Submitted by: 
David L. Brent
Engineering Services Manager

Approved by: 
Marty Hanneman
Interim Director of Utilities

Recommendation Approved:


for Ray Kerridge
City Manager

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Attachment 1**Background**

The SRWTP is a water treatment plant that provides treated water to the residents of the City of Sacramento. As part of the City's effort to improve the reliability of our water treatment plants, a new city supplied generator will be installed at this facility in conjunction with other electrical improvements. Without reliable backup electrical power the City can't produce clean drinking water for the residents of Sacramento during an extended SMUD power outage.

The new generator will provide twice the power as the existing generator and will help the plant maintain water production in the event of an extended SMUD power outage. The existing generator must be manually started and is difficult to maintain, where as the new generator will start automatically during a SMUD power outage.

The main circuit breakers at the substation must be manually opened and closed if the plant experiences an extended SMUD power outage. Therefore, the facility substation protective relays will be replaced with new electronic relays for better protection and operation. This will allow the main circuit breakers to be automatically operated. In addition, these relays will provide enhanced data to the City's SCADA system allowing the City to monitor the substation and generator remotely.

City staff is recommending that City Council accept the lowest responsive and responsible bid from BRC Construction and award the contract.

Five (5) bids were received and opened by the City Clerk on October 15, 2008, and are summarized below:

Bidder	Bid Amount	ESBE Participation
JR Sharp Construction	\$224,042	Bid withdrawn
BRC Construction	\$312,000	91.98%
R.E. Corporation	\$329,882	92.42%
L.L. Christian Construction Inc.	\$336,700	34.15%
All Power Inc.	\$358,250	0%

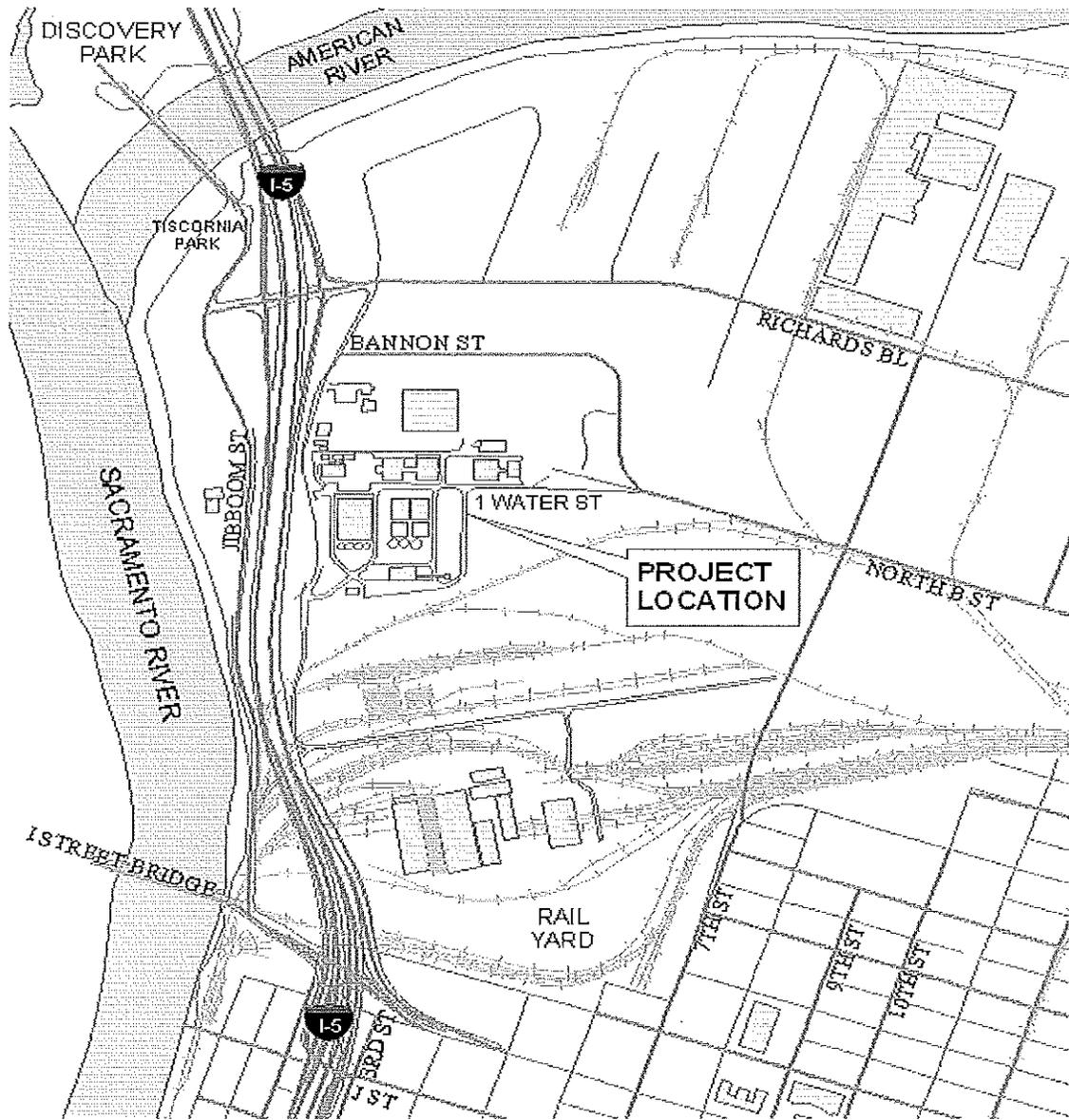
After the bids were opened, the apparent low bidder, JR Sharp Construction, requested withdrawal of its bid due to a mistake that made the bid materially different than the apparent low bidder intended it to be. Department of Utilities staff reviewed this request and determined that a mistake was made in filling out the bid, and was not due to error in judgment or to carelessness in inspecting the site of the work or in reading the plans or specifications. On this basis, JR Sharp Construction is entitled to withdraw its bid, pursuant

to Section 5103 of the Public Contract Code. As a result, the lowest responsible bidder is BRC Construction, with a bid amount of \$312,000.

The engineer's construction estimate was \$350,000.

Attachment 2

SACRAMENTO RIVER WATER TREATMENT PLANT GENERATOR INSTALLATION PROJECT (PN:ZK06, Z14002900)



Map Prepared By
City of Sacramento
Department of Utilities

File: C:\Energy\en_jrb\exam\NEO\14002900\14002900_CAC_P\A\EN\TE_TREATMENT PLANT GENERATOR P.P\PROJECT.mxd

Attachment 3

RESOLUTION NO.

Adopted by the Sacramento City Council

**AWARD A CONSTRUCTION CONTRACT FOR THE
SRWTP GENERATOR INSTALLATION PROJECT
(Z14002900)**

BACKGROUND

- A. The Sacramento River Water Treatment Plant (SRWTP) Generator Installation project will install a new emergency generator and replace the protective relays at the facility substation, which will improve reliability and reduce maintenance costs.
- B. The SRWTP Generator Installation project was advertised and bids were received on October 15, 2008. BRC Construction was the lowest responsive and responsible bidder.

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

- Section 1. The contract plans and specifications for the SRWTP Generator Installation project (Z14002900) are approved, and the contract is awarded to BRC Construction for an amount not to exceed \$312,000.