



# City of Biggs

Agenda Item for the  
Next regular City Council Meeting  
June 10, 2014 at 6:30pm

**To: Honorable Mayor  
And Members of the City Council**

**Date: June 3, 2014**

**From: Brian Martin, PE – City Engineer**

**Subject: Phase 1 Wastewater Treatment Plant Improvement Project**

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## **Background**

The City's existing wastewater treatment plant (WWTP) is in need of upgrades to enhance its operational capabilities and meet updated discharge permit requirements from the Regional Water Quality Control Board (RWQCB). In order to address these needs, the City developed a two-phase WWTP improvements project. The Phase 1 project includes maintenance and capital improvements at the City's treatment plant site. The Phase 2 project includes land acquisition and disposal system improvements.

The Phase 1 Wastewater Treatment Plant Improvement Project (subject of this memorandum) consists of the following components:

- Construction of a new influent pump station wet well, pumps, piping, and electrical/controls
- Construction of a headworks solids screen
- Installation of a new influent flow meter
- Upgrades to the WWTP recycle pump system and yard valves
- Automation and upgrades to the effluent disinfection system
- Upgrades to the WWTP on-site domestic water supply system
- Supervisory Control and Data Acquisition (SCADA) system upgrades
- Installation of a new standby generator
- Improvements to the WWTP operations/laboratory building
- Related site and appurtenance improvements

The project was put out to public bid in March and bids were opened on May 13, 2014. The City received three (3) bids for the project. All three bidders attended the mandatory pre-bid meeting held on April 24, 2014 at the WWTP site. A summary of the bids is presented below.

| Bidding Company / Firm |                                  | Total Construction Bid Amount |
|------------------------|----------------------------------|-------------------------------|
| 1                      | Cal Electro, Inc.                | \$ 1,839,000                  |
| 2                      | RTA Construction, Inc.           | \$ 1,885,000                  |
| 3                      | Western Water Constructors, Inc. | \$ 2,125,000                  |

All bids were reviewed for compliance with the Contract Documents and Cal Electro, Inc. of Redding, California is the apparent responsible low bidder. We have reviewed the Contractor's experience and contacted references and found that their work is reputable and their contractor licenses are in good standing. The City received a protest from RTA and a response to the protest from Cal Electro, Inc. After evaluating the protest and the response to the protest it has been determined that the protest has no substantial merit.

### **Fiscal Impact**

The City applied for and has received a financing award from the State Water Resources Control Board (SWRCB) Clean Water State Revolving Fund (SRF) in the amount of \$2,662,000 for planning, design, and construction of the Phase 1 Project. When the City completes its obligations under the funding agreement, the SWRCB will forgive 50% of the project cost. The City will then be required to repay the remaining 50% over a 20-year period at an interest rate of 2.1 percent.

The bids received for the Phase 1 Project are higher than the estimated construction amount in the original SRF funding application. This is not un-common for projects of this scope and type, and an updated Budget Approval Form must be prepared and submitted to the SWRCB for review and execution. The SWRCB must also review (and approve) the contractor's bid documentation for conformance with the state funding requirements. We are coordinating submittal and review of the necessary items with SWRCB staff and anticipate a favorable review shortly.

### **Recommendation**

It is recommended that the City Council authorize award of the Phase 1 Wastewater Treatment Plant Improvement Project to Cal Electro, Inc. in the amount of \$1,839,000 contingent upon a favorable review from SWRCB and notice of full project funding through SRF sources.