



City Council Report

Date: July 8, 2014
To: City Council
Through: Kari Kent, Deputy City Manager
From: Beth Huning, City Engineer
Kelly Jensen, Assistant City Engineer
Subject: Northwest Water Treatment Plant - Odor Control Project
City Project No. CP0046
District #1

Strategic Initiatives



Purpose and Recommendation

The purpose of this report is to present the Construction Manager at Risk (CMAR) Guaranteed Maximum Price (GMP) for the Northwest Water Reclamation Plant (NWWRP) Odor Control project. (See attached Exhibit "A" for project location.)

It is recommended that Council award this project to the CMAR, Hunter Contracting, for a total award amount of \$1,402,162.67. This contract is the first of four GMP contracts that are planned over the next two years for work at the NWWRP.

Background

The NWWRP is equipped with an existing centralized odor control complex located in the southwest corner of the plant. The existing odor control complex consists of scrubber towers, large negative pressure fans, chemical storage and feed systems, and recirculation pumps. This infrastructure was originally constructed as part of the NWWRP expansion project completed in 2000.

The odor control complex uses wet scrubbing technology to remove hydrogen sulfide in the odorous air generated by various plant processes and provides odor control for the headworks, primary clarifiers, digesters, and the solids handling building. This equipment has reached the end of its lifecycle and now requires replacement to maintain reliability.

Discussion

Hunter Contracting was evaluated and selected as the most qualified contractor for the NWWRP improvement projects through a publicly advertised CMAR solicitation and procurement process. The CMAR procurement method allows the City to select

a contractor based on qualifications, which considers experience, past performance, and project understanding.

The current GMP scope includes repair or replacement of the existing chemical storage tanks and replacement of existing pumps, valves, piping, and related appurtenances within a re-engineered system. The project also includes replacement of filter media, installation of a shade canopy, refurbishment of the existing chemical containment area, and miscellaneous essential and relevant improvements.

Subsequent GMP's for the NWWRP which will be presented to Council over the next two years are anticipated to include: 1) Traveling Bridge Filter Replacement 2) Aeration System Improvements, and 3) Plant-Wide Motor Controller Replacements. The NWWRP is an aging facility, and rehabilitation and/or replacement of these systems within the overall facility will be necessary to maintain efficiency and reliability of the plant.

Alternatives

One alternative is to do not complete the proposed improvements to the odor control complex. This is not recommended due to the plants' close proximity to the Cub's stadium. In addition, due to the poor condition, obsolescence, and age of the odor control complex, operation and maintenance costs will continue to escalate if these improvements are not completed.

Another alternative is to procure this project using the low-bid method. This is not recommended for this type of work since employment of the most qualified contractor is important for the success of this project.

Fiscal Impact

The recommended total award for the GMP is \$1,402,162.67, based on the construction cost of \$1,274,693.34, plus an additional \$127,469.33 (10%) for contingencies. This project is funded by the voter approved 2010 Waste Water Bond Fund.

Coordinated With

This project has been coordinated with the Water Resources Department and they support this recommendation.