



City Council Report

Date: November 3, 2014
To: City Council
Through: Kari Kent, Deputy City Manager
From: Beth Huning, City Engineer
Rob Kidder, Assistant City Engineer
Subject: Preconstruction Services Contract for the
Northwest Water Treatment Plant:
Tertiary Filter Rehabilitation Project and
Variable Frequency Drives Replacement Project
City Project CP0266 and CP0335
District 1

Strategic Initiatives



Purpose and Recommendation

The purpose of this report is to provide information to the Council on the Construction Manager at Risk (CMAR) Preconstruction Services Contract for the Northwest Water Reclamation Plant (NWWRP) Tertiary Filter Rehabilitation Project and the Variable Frequency Drives (VFD) Replacement Project. See attached Exhibit "A" for project location.

It is recommended that Council award this contract to Hunter Contracting for a total award amount of \$103,281.11. This contract is for the second and third of a total of four CMAR projects planned at the NWWRP over the next two years.

Background

The Tertiary Filter Project: The NWWRP is equipped with ten existing tertiary filters as part of the wastewater reclamation process. The existing filters are beyond their useful life and this project will upgrade them with a newer technology requiring only three filters in place of the ten that currently exist.

The Variable Frequency Drives Replacement Project: Approximately 30 of the existing VFD motor controllers at the plant have reached the end of their expected operational life. This project will replace the VFDs with new, higher efficiency models. In addition, a portion of the fiber communications network at the NWWRP will be replaced and upgraded as part of the project.

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 purpose of this Preconstruction Services Contract is to have the contractor evaluate the contract documents for quality and cost savings, develop preliminary cost models, and ultimately develop a Guaranteed Maximum Price (GMP) for both projects, each of which will be presented to Council for approval.

A Preconstruction Services Contract and GMP will be presented to Council at a future date for the fourth project, the NWWRP Miscellaneous Improvements 2015 Project.

The NWWRP is an aging facility and rehabilitation or replacement of these systems is necessary to maintain the efficiency and reliability of the plant.

Alternatives

One alternative is to not complete the proposed improvements to the filters and VFDs. This is not recommended due to the poor condition, obsolescence, and age of the existing filters and VFDs. Operation and maintenance costs will continue to escalate if these improvements are not completed.

Another alternative is to procure these projects 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 complex projects such as these.

Fiscal Impact

The recommended total award is \$103,281.11. This project is funded by 2010 authorized Waste Water bonds.

Coordinated With

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