



AGENDA MEMORANDUM

Action Item for the City Council Meeting of December 5, 2023

DATE: December 5, 2023

TO: Peter Zaroni, City Manager

FROM: Drew Molly, P.E., Interim Chief Operating Officer, CCW
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Preventative Maintenance and Reconditioning of Pumps and Motors for the Corpus Christi Water Department

CAPTION

Motion authorizing execution of a three-year service agreement, with two one-year options, with Excel Pump & Machine, Inc., of Robstown, Texas for preventative maintenance and reconditioning of pumps and motors at the Mary Rhodes Pipeline Phase II River and Booster Pump Stations in an amount up to \$861,330.00, with a potential total amount up to \$1,435,550.00 if options are exercised, with FY 2024 funding of \$69,020.00 from the Water Fund.

SUMMARY:

This motion authorizes a three-year service agreement with Excel Pump & Machine, Inc. to be used by Corpus Christi Water (CCW) for the Mary Rhodes Pipeline Phase II River Pump Station and Booster Pump Station.

BACKGROUND AND FINDINGS:

In 2010, the City began the initial steps of planning and designing Mary Rhodes Pipeline Phase II. Phase II construction of the 42-mile pipeline started in April 2014, and the infrastructure was completed and came online in 2016. This stretch of pipeline starts at the Colorado River near Bay City, Texas and connects to the Phase I pipeline at Lake Texana in Edna, Texas. The project consists of a pipeline, two pump stations, and a sedimentation basin. The pump stations are the River Pump Station (RPS) and the Booster Pump Station (BPS). Both the RPS and the BPS are located in Matagorda County near Bay City, Texas.

The RPS has three pumps and motors that pump water from the Colorado River into the sedimentation basin. The water that is pumped from the RPS then flows from the sedimentation basin into the BPS, which has four pumps and motors that pump the water into the Mary Rhodes Phase II pipeline.

The River and Booster pump stations consist of the following pumps and motors:

Quantity	Horsepower (HP)
1	200 HP Vertical Turbine Pump and Motor
2	350 HP Vertical Turbine Pump and Motor
1	125 HP Vertical Turbine Pump and Motor
3	1,750 HP Vertical Turbine Pump and Motor

The proposed agreement will provide routine pump and motor field inspections, preventative maintenance, and pump and motor reconditioning repairs for both the RPS and BPS. Reconditioning repairs to the pumps and motors will be completed on an as-needed basis. Determinations will be based on inspections, equipment conditions, and CCW and contractor recommendations.

The proposed contract will call for inspections to be completed twice a year by the contractor. The contractor will then submit the data and a report to CCW which will be utilized by CCW to make repairs and conduct further analysis as needed. If emergency repairs are needed, the proposed agreement will allow for such services to assist CCW in repair work.

Excel Pump & Machine, Inc. has similar contracts servicing vertical turbine pumps at the O.N. Stevens Water Treatment Plant. CCW is satisfied with their work at the O.N. Stevens Water Treatment Plant and desires to continue working with them for the preventative maintenance and routine repairs to the Mary Rhodes Pipeline Phase II RPS and BPS.

PROCUREMENT DETAIL:

The Contracts and Procurement Department conducted a competitive Request for Bids process to obtain bids. The City received two bids. Staff is recommending award to the lowest, responsible bidder, which is Excel Pump & Machine, Inc.

Most recently, the City had an agreement with Smith Company. The agreement was also for a three-year term, and the cost was \$1,061,195.00. The proposed agreement will result a pricing decrease of approximately 12.75%. The decrease is due to a redefined and refined scope of work.

The results of the inspection and testing activities carried out through the proposed agreement will allow CCW to determine the need to remove the pumping equipment for repair and reconditioning. The potential total up to amount for the proposed agreement, to include the two one-year options, reflects full repairs to all of the equipment that will be inspected and tested. However, all data and observations will be analyzed closely by the vendor and CCW to ensure that the pumping assemblies continue to operate as designed, and repairs will only be carried out if needed. The authorization to remove a pumping assembly for repairs would be provided by CCW if data confirms that specific repairs are warranted.

The data obtained from the current agreement does not indicate that full repairs will be needed, or that the potential total up to amount of the proposed agreement will be utilized. However, CCW has worked with Purchasing and the proposed vendor to determine a potential total up to amount for the proposed agreement in case any unforeseen repairs become needed during the proposed agreement's term. As of now, CCW estimates that it will need to spend approximately \$1,000,000 out of the potential total amount of the proposed agreement. This is based on information currently available to CCW and the proposed vendor.

ALTERNATIVES:

The alternative is to not enter into the proposed service agreement with Excel Pump & Machine, Inc. which would result in separate contracts that may cause delays in repairs and preventative

maintenance. It would also result in the possibility of increased pricing since multiple contracts would be involved.

FISCAL IMPACT:

The FY 2024 fiscal impact for Corpus Christi Water is \$69,020.00.

FUNDING DETAIL:

Fund: 4010 Water
Organization/Activity: 30251 Mary Rhodes Pipeline Phase II
Department: 45 Water
Project # (CIP Only): N/A
Accounts: 530215 Maint. & repairs-contracted
Amount: \$69,020.00

RECOMMENDATION:

Staff recommends approval of this motion authorizing a three-year service agreement with two one-year options with Excel Pump & Machine, Inc., as presented.

LIST OF SUPPORTING DOCUMENTS:

Service Agreement
Bid Tabulation