



**Water, Sewer, and Solid Waste Committee**

**12 March 2024**

**5:30 P.M.**

(Or immediately following Equipment Committee Meeting)

**Committee:** Council Member Teresa Turk, Council Member D'Andre Jones, Council Member Mike Wiederkehr, Council Member Scott Berna

**Copy to:** Mayor Lioneld Jordan, Paul Becker, Steven Dotson, Susan Norton, Kara Paxton, Kit Williams, Chris Brown, Alan Pugh, Terry Gulley, Ross Jackson, Peter Nierengarten, Brian Pugh, Corey Granderson, Aaron Watkins, Cody Ashworth, Greg Weeks, Ryan Harrold, Mayo Miller, Josh Alleman

**From:** Tim Nyander, Utilities Director

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**CALL TO ORDER**

**UPDATES**

**PRESENTATIONS**

**1. Overview of January WWTP Monthly Report**

Mayo Miller - Jacobs Engineering

**OLD BUSINESS:**

**2. Western Water Transmission Line Update**

Per the MOA with the Arkansas Natural Resources Division, the final Guaranteed Maximum Price for the West Transmission line Project is to be in place by April 19, 2024, with loan certification occurring by May 1, 2024. The CMAR is intending to put out a bid package for materials procurement (pipe and valves) in mid-March to obtain more accurate pricing for the GMP prior to the deadline.

Highlights of upcoming milestones include:

- March 10 & 17, 2024: Advertise materials procurement package for bid
- March 29, 2024: open bids on materials procurement package

- April 19, 2024: Final GMP established and contract amendment prepared for City approval (this is the City Council agenda request deadline for the May 7, 2024 council meeting)
- April 30, 2024: City Council Agenda Session (approval of GMP and contract amendment introduced to Council). Also submit GMP/contract amendment to ANRD at this time to meet loan certification deadline.
- May 7, 2024: City Council formally approves final GMP and contract amendment. Provide fully executed copy of amendment to ANRD by May 10, 2024.
- June 28, 2024: Loan Closing (could occur before this date as well)

**INFORMATION ONLY**

**3. 24-Inch Water Line Project – ARPA Funded**

Staff recommends awarding Bid #24-24 and approving a construction contract with Goins Enterprises, Inc. in the amount of \$3,856,107.50 for construction of an 18-inch diameter waterline replacing the aged 24-inch waterline from Martin Luther King Blvd. to S. School Ave. Staff recommends approval of a project contingency in the amount of \$88,182.50.

On February 20, 2024 the City of Fayetteville accepted sealed competitive bids for the 24-inch Waterline Replacement project. Goins Enterprises, Inc. submitted the lowest bid. All bids are shown here with deductive alternate pricing indicated:

	<i>Goins Enterprises, Inc.</i>		Brothers Construction, Inc.	
<b>Base Bid</b>		<b>\$6,225,520.00</b>		<b>\$6,896,545.00</b>
<b>Base Bid Less Deductive 1</b>	\$1,271,812.50	<b>\$4,953,707.50</b>	\$1,573,037.50	<b>\$5,323,507.50</b>
<b><i>Base Bid Less Deductive 1 &amp; 2</i></b>	\$2,369,412.50	<b><i>\$3,856,107.50</i></b>	\$2,653,320.00	<b><i>\$4,243,225.00</i></b>
<b>Base Bid Less Deductive 1, 2 &amp; 3</b>	\$3,171,350.00	<b>\$3,054,170.00</b>	\$3,504,370.00	<b>\$3,392,175.00</b>

This project was identified for funding from the city’s ARPA grant funds. \$4,000,000 was budgeted originally and the initial project bidding was significantly over-budget. The project was re-bid with deductive alternates and several value-engineering items. Therefore, the award recommendation is to remove deductive alternates 1 and 2 resulting in Goins contract price of \$3,856,107.50 with an additional project contingency of \$88,182.50.

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

#### **4. 24-inch Waterline Garver Engineering Amendment no. 1**

The City of Fayetteville operates a 24-inch diameter water transmission main that runs approximately 2.3-miles from S. School Avenue near Tyson Mexican Original westerly to Interstate-49, thence northerly to Martin Luther King Jr. Blvd. Portions of this Ductile Iron line were installed in the 1960's through the 1980's and is in a corrosive shale-soil environment. The line has experienced frequent leaks and disrupted service in the area. Based on the City's current water master plan and water model, the size of this line can be reduced and still meet the existing and future demands of this area. Therefore, this project will consist of replacements with 18-inch diameter waterline.

Design and permitting is completed and the project bids were initially very high resulting in value engineering adjustments and a re-bidding of the project with deductive alternates to remove scope and stay within budget.

Amendment No. 1 will provide funds to cover additional bidding services as well as provide funding for construction phase services such as assistance with contractor questions in-field, change orders, testing, progress meetings, as-built plan preparation, and project closeout. The additional fees are hourly not-to-exceed in the amount of \$55,710.00. Field inspection services and quantity tracking will be performed directly by city Water/Sewer staff to reduce costs.

Staff recommends approval of Amendment No. 1 to the engineering services agreement with Garver, LLC. construction phase services associated with the 24-inch waterline replacement project in an amount not to exceed \$55,710.00.

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

#### **NEW BUSINESS:**

##### **5. Budget Adjustment from Closing Purchase Orders**

Two capital projects from 2022 and 2023 are complete, and the Utility is intending to close the purchase orders with those projects.

Purchase order 2023-0205 is to Structural Preservation Systems, LLC, for \$10,547,837. This was for the 48-inch sewer repair under I-49. The project was complete ahead of time, and there is \$822,618 remaining.

Purchase Order 2022-0392 is to Goodwin & Goodwin, Inc., for service line replacements in the Skyler Subdivision. This project is complete, and there is \$160,422 remaining.

These remaining funds will be used for additional capital projects.

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

## **6. 120 Water Item**

EPA revised the Lead and Copper Rule in 2021. This rule is known as the Lead and Copper Rule Revisions (LCRR). It improves the protection of children and communities from lead exposure by sampling schools and daycare facilities, removing lead service lines, and empowering communities through public education. The LCRR establishes a compliance deadline of October 16, 2024, for water systems to complete their initial service line inventories.

A formal selection committee meeting was held on February 9, 2024 where 120Water was selected (RFQ 24-01, Selection #5) to provide professional services for data mining, inventory databasing, reporting, notifications, and mapping to support the City's effort towards compliance with the fall deadline. The contract will be structured as a "software as a service" contract since the database and mapping will be cloud-based, hosted by 120Water as software provider. The upfront setup costs are built into the annual pricing, which is based on size of system as measured by customer connections (50,000+ for Fayetteville). The cost of this contract will be \$55,000.00 per year for a 2-year term. During 2025 it is anticipated that EPA will give more detailed information regarding future regulations related to Lead and Copper. That guidance will be used to determine if this contract should be amended, extended, or ended.

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

## **7. 2024 Water Service Line Replacements**

Small diameter water service line leaks between city mains and city meters are cause for much water loss as well as staff time performing repairs. The problematic existing service lines are made from a plastic pipe material (PE tubing) which has displayed frequent breaking/leaking problems throughout West Fayetteville. The City changed requirements to prohibit this material several years ago, now requiring coated copper service lines. However, many of these plastic lines are still in place as they were prevalent in the 90's and 2000's.

In 2022/2023 a service line replacement project proved very successful (Bid 22-26, Resolution 97-22). The Water/Sewer division desires to replicate this project in another area of town in 2024, namely the Ruppel Row subdivision near Ruppel Rd. and Persimmon Street. Furthermore, the contract will be bid with renewal options and terms similar to our existing cured in place pipe and manhole rehabilitation projects. This will allow the Water/Sewer division to continue to pursue service line replacements in the coming years where leaks are most prevalent. Olsson was selected via RFQ# 24-01 to provide professional services for preparation of plans and specifications for water service line replacements in 2024.

**INFORMATION ONLY**

## **8. Amend Drying as a Service (DaaS) Agreement**

There is an amendment with two items that the Utilities Department request to be added to the Griffin Residuals Drying as a Service (DaaS) Agreement.

The City of Fayetteville, Jacobs Engineering, and Griffin Residuals have been working this past year to install a biosolids dryer to replace the one that experienced catastrophic failure on December 13, 2021.

Staff will discuss the Amendment with Committee.

### **STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

## **9. Bid 24-26 Noland Influent Pump Station Pumps**

The Noland Water Resource Recovery Facility (WRRF) has six (6) submersible pumps at its influent pump station (IPS). All the pumps are currently operational, but staff has the pumps on a CIP replacement schedule to replace 2 pumps per year for the next 3 years. The Noland influent pump station is extremely critical, and it's within the City's best interest to replace these pumps before they fail or have issues due to old age.

The City solicited formal bids for this replacement pump per Bid 24-26, and Jack Tyler Engineering was the only bidder that met all the specifications and requirements. Staff recommends awarding Bid 24-26 and authorizing the purchase of two submersible pumps for the Noland influent pump station from Jack Tyler Engineering, Inc. in the amount of \$200,053.30 plus applicable taxes and freight charges. This purchase will replace two of the six influent pumps to ensure the Noland influent pump station stays fully operational. Freight is estimated at \$2,000.00 for both pumps, and taxes are estimated at \$19,700.20 for a total estimated cost of \$221,753.50.

Funds are available in the WWTP Plant Pumps and Equipment account within the Water & Sewer fund.

## **10. Bid 24-27 Environmental Technical Sales – Noland Aeration Drain Pump**

The Noland Water Resource Recovery Facility (WRRF) has one single drain pump for the aeration basin. It is part of the original treatment plant and has been out of operation for a few years. Staff have used portable pumps when needed, but the original aeration basin pump needs to be replaced so that there is a permanent pumping capability for the aeration basin. The City solicited formal bids for this replacement pump per Bid 24-27, and Environmental Technical Sales, Inc. was the lowest bidder that met all the specifications and requirements. Staff recommends awarding Bid 24-27 and authorizing the purchase of a drain pump for the Noland aeration basin from Environmental Technical Sales, Inc. in the amount of \$37,755.00 plus applicable taxes and freight charges. This purchase will replace the original drain pump for the aeration basin, so operations staff don't have to use portable pumps. Freight is estimated at \$1,000.00, and taxes are estimated at \$3,778.61 for a total estimated cost of \$42,533.61.

Funds are available in the WWTP Plant Pumps and Equipment account within the Water & Sewer fund.

## **PRESENTATIONS**

January WWTP Report

## **ATTACHMENTS**

January 2024 WWTP Report

24-inch Waterline Bid Tabulation

24-inch Waterline Agreement – Goins

24-inch Waterline Agreement – Garver

Structural Preservation Purchase Order

Goodwin & Goodwin Purchase Order

120 Water Quotation

120 Water Draft Contract

Griffin Residuals DaaS Agreement

Bid Tabulation Noland WWTP Influent Pumps

Bid Tabulation Noland WWTP Aeration Drain Pump

## **ADJOURN**

Next Water, Sewer, Solid Waste Committee meets on  
Tuesday, April 9<sup>th</sup>, 2024, at 5:30 p.m.