



Water, Sewer, and Solid Waste Committee

27 June 2023

5:30 P.M.

(Or immediately following City Council Agenda Session)

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, 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, Jan Guy, Mayo Miller, Josh Alleman

From: Tim Nyander, Utilities Director

CALL TO ORDER

UPDATES

OLD BUSINESS:

1. Rate Study Update

NEW BUSINESS:

2. City of Greenland Sewer Cost Share

The City of Greenland owns its sewer collection system, including a lift station and force main within their corporate city limits. Due to past and anticipated growth, upsizing of these facilities is necessary, all at Greenland’s cost. This system connects to the City of Fayetteville’s sewer system just north of Drake Field at which point it is conveyed through gravity sewers, lift stations, and force mains on its way to the Noland Water Resource Recovery Facility.

In anticipation of these upgrades, the City of Fayetteville also needs to upsize facilities to accommodate this additional flow. These upgrades include approximately 1,860-feet of gravity sewer upsizing from 12” to 18” diameter leading to sewer Lift Station #16 on Ernest Lancaster Road. This lift station is also being modified to accommodate an additional pump. The downstream sewer force main is already adequate for these increased flows.

The City of Fayetteville and City of Greenland have cooperated to incorporate Fayetteville's scope of improvements into the project bid package for the Greenland project. This is an advantage to Fayetteville in that economies of scale should keep costs competitive. It also reduces the project management burden on City of Fayetteville staff.

This cost share agreement consists of Fayetteville paying 100% of costs for upsizing Fayetteville infrastructure and likewise Greenland paying 100% of costs for Greenland's infrastructure. Competitive bids were received by Greenland on June 6th, 2023 and the low bid cost of the Fayetteville scope of work was \$954,000.00.

Staff recommends the approval of a cost share agreement with the City of Greenland in an amount not to exceed \$954,000.00 for upsizing a portion of 12-inch sanitary sewer line to 18-inch, and to approve a project contingency in the amount of \$100,000.00.

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

3. Forensic Water Audit

The City conducted an AWWA-M36 Water Audit in 2018 through consulting engineer Black & Veatch. One of the recommendations from this audit was to perform further analysis of data handling and billing. Specifically, a forensic analysis of billing system data involving a complete download of our database looking for anomalies, trends, or errors.

This type of water loss is classified as "apparent loss" since it is not related to physical water being leaked. E Source Companies, LLC specializes in assisting water utilities track down apparent water losses. These errors may be associated with a variety of processes that support the billing system and the billing process. Further investigation will also be performed focusing on identifying Customer Metering Inaccuracies, Unauthorized Consumption, and source meter accuracy from Beaver Water District. The City has exhausted in-house abilities to assess these matters and looks forward to working with E Source to take a deeper look into water losses. E Source has helped several other local Arkansas utilities with similar needs, generating good reviews of their service.

E Source was selected for these services through the City's engineering selection committee process on March 30, 2023 (RFQ 23-01, Selection #4). Staff recommends approval of an engineering services agreement with E Source Companies, LLC for Water Loss Investigation Services in an amount not to exceed \$95,000.00 plus contingency.

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

11. Overview of WWTP Monthly Report

April 2023 Monthly WWTP Report

PRESENTATIONS

ATTACHMENTS