

**THE UNIFIED GOVERNMENT OF ATHENS-CLARKE COUNTY
COMMISSION AGENDA ITEM**

SUBJECT: J.G. Beacham Water Treatment Plant Sodium Hypochlorite Improvements - Award of Contract

DATE: December 27, 2023

BUDGET INFORMATION:

Revenue: \$2,232,444 FY24 Replace & Upgrade WTP Facilities & Equipment

Capital Expenses: \$957,269 FY24 WTP Facilities Designated Projects
\$509,525 Available for Switchgear Modernization
\$43,040 Expenditures & Encumbrances
\$722,610 Available for Sodium Hypochlorite Improvements

FUNDING SOURCE: Water and Sewer Enterprise Fund

COMMISSION ACTION REQUESTED ON: February 6, 2024

PURPOSE:

To request the Mayor and Commission:

- a. Authorize an appropriation in the amount of \$722,610 for the J.G. Beacham WTP Sodium Hypochlorite Improvements;
- b. Award a competitively bid construction contract to the apparent low bidder, Sol Construction, in the amount of \$521,950;
- c. Award a project management/resident inspection contract to the Public Utilities Department's On-call Consultant, Hazen and Sawyer, for the provision of professional services during construction in the amount of \$148,465;
- d. Authorize staff to approve project change orders that do not collectively exceed the overall appropriation of \$722,610; and
- e. Authorize the Mayor and appropriate staff to execute all related contract documents.

HISTORY:

1. On September 7, 2004, the Mayor and Commission (M&C) approved an appropriation in the amount of \$40,666,355 for the construction and upgrade of the J. G. Beacham Water Treatment Plant (JGB WTP).
2. In 2008, construction and upgrades to the JGB WTP were completed and thereby increased the treatment capacity to 36 million gallons per day.

3. In 2016, the J. G. Beacham Water Treatment Plant celebrated 80 years of service to the Athens-Clarke County community.
4. On August 2, 2022, the M&C approved the selection of four competitively bid on-call engineering firms with the scope of work that included design and construction management to rehabilitate and replace critical infrastructure at the J.G. Beacham Water Treatment Plant.
5. On December 29, 2022, the Public Utilities Department (PUD) issued a Notice to Proceed (NTP) for design of the J.G. Beacham WTP Sodium Hypochlorite Storage Improvements.
6. On June 6, 2023, the M&C adopted the FY24 Capital Budget, which included the project "Replace and Upgrade Facilities and Equipment."

FACTS & ISSUES:

1. The JGB WTP treats raw water from the North Oconee & Middle Oconee River and the Bear Creek Reservoir and delivers millions of gallons of potable water throughout Athens-Clarke County.
2. The construction of the JGB WTP included one brine (salt) storage tank. Brine is used in the generation of sodium hypochlorite (bleach) to disinfect the water coming from the plant.
3. Brine storage redundancy is vital to providing quality water and protecting public health. The additional storage of brine ensures any supply chain issues are mitigated. It allows the JGB WTP to shift to other disinfection measures while providing accurate dosing in a methodical way.
4. Due to the public health aspects of the project, PUD staff identified the need to prequalify contractors that have demonstrated ability to perform the specialty work required in this project. Two contractors responded to the Request for Proposal/Qualifications (RFPO) and both were deemed qualified based on personnel, experience, equipment and qualifications.
5. A bid was received on December 19, 2023 from one of the two prequalified contractors for the necessary labor, equipment and materials to accomplish the referenced project. The following bid was received:

<u>Contractor</u>	<u>Bid Price</u>
Sol Construction	\$521,950

6. The engineer's estimated project cost for the Sodium Hypochlorite improvements is \$500,000.
7. The requested authorization is \$722,610, which includes a 10% contingency of \$52,195 for unforeseen issues and project management/resident inspection by Hazen and Sawyer in the amount of \$148,465.
8. PUD requests authorization to approve project change orders that do not collectively exceed the overall appropriation of \$722,610 including any deductive change orders.

9. Project Schedule:	
Issuance of Notice to Proceed	March 2024
Brine Tank Installation	July 2024
Project Completion	October 2024

10. This recommendation supports the following ACCGov and PUD Strategic Plan Goal & Strategy:

- Built and Natural Infrastructure Goal, Strategy C: *Provide adequate funding for maintenance of existing and newly constructed infrastructure.*
- Produce clean, reliable and sustainable water to the community Goal, Strategy B: *Maintain 30-day inventory of chemical and process supplies.*

OPTIONS:

1. Mayor and Commission:
 - a. Authorize an appropriation in the amount of \$722,610 for the J.G. Beacham WTP Sodium Hypochlorite Improvements;
 - b. Award a competitively bid construction contract to the apparent low bidder, Sol Construction, in the amount of \$521,950;
 - c. Award a project management/resident inspection contract to the Public Utilities Department’s On-call Consultant, Hazen and Sawyer, for the provision of professional services during construction in the amount of \$148,465;
 - d. Authorize staff to approve project change orders that do not collectively exceed the overall appropriation of \$722,610; and
 - e. Authorize the Mayor and appropriate staff to execute all related contract documents.
2. Mayor and Commission deny the request.
3. Mayor and Commission defined option.

DEPARTMENT RECOMMENDED ACTION: Option #1 a, b, c, d and e

DEPARTMENT: Public Utilities

Prepared by: Hollis Terry IV

December 27, 2023

Hollis Terry IV

Date:

ADMINISTRATIVE COMMENTS:

ADMINISTRATIVE RECOMMENDATION: Option #1 a, b, c, d and e

A handwritten signature in blue ink, appearing to read "Devin H. Wilf", is written over a light blue rectangular background. Below the signature is a horizontal line.

Manager

January 11, 2024

Date: