



City of Kansas City, Missouri

Docket Memo

Ordinance/Resolution #: 240492

Submitted Department/Preparer: Water

Revised 11/01/23

Docket memos are required on all ordinances initiated by a Department Director. More information can be found in [Administrative Regulation \(AR\) 4-1](#).

Executive Summary

Authorizing a \$4,619,205.00 design professional services contract with HDR Engineering, Inc., for the South Water Supply Resiliency Water Treatment Plant project.

Discussion

Project Justification

The existing Water Treatment Plant located at 1 N.W. Briarcliff Road is over 100 years old and upkeep costs are increasing. The Water Services Department seeks to identify and conceptualize a new Water Treatment Plant in the general area of the East Bottoms. The new Water Treatment Plant would provide:

- Resilient Infrastructure for future generations of Kansas Citizens.
- Increased reliability of Raw Water Sources.
- Reduced risk of water supply shutdowns due to point source operational risks (i.e. if there was only one Water Treatment Plant).
- Opportunity to utilize modern treatment technologies to optimize chemical usage.
- Opportunity to utilize emerging technologies to remove potential contaminants.
- Reduce current operation and maintenance (O&M) costs by maintaining existing systems in limited space, limited structures, and limited shutdown schedules.

Project Description

This project entails the development of a facility plan for a South Water Treatment Plant and water sourcing and conveyance to account for changing conditions in the service area and be able to address future regulatory requirements. The facility plan will include:

- Findings from geotechnical, environmental, and hydrological investigations.
- Information of raw water line, utility, and topographical surveys.
- Anticipated source water availability and electrical loading.
- Process Technology Evaluation and Selection.
- Facility Plan documents.

Based upon the facility plan development the City/Design Professional will evaluate risks and identify project delivery method best suited for City and will incorporate

Supervisory Control and Data Acquisition (SCADA) development for integration in the City water utility.

Term

The term of this project will be 360 days.

Solicitation

This Project was advertised in accordance with the City's requirements. Proposals were received on August 22, 2023 with 3 consultants responding.

MBE/WBE Goals

CREO KC established goals of 14% MBE and 14% WBE on this design professional services project on May 26, 2023.

Selection Method/Awardee/Subcontracting Participation

Selection Method for Design Professional Contract:

Per Code of Ordinances Section 3-31(b)(1), an Architect and Engineering Selection Committee was utilized ranking firms from most qualified to least qualified. The mayor elected to not sit on the selection committee or appoint a council member representative for the selection committee.

Selection Committee Members:

- Wes Minder, P.E., Director 2022-2023
- Morgon Holecek, Assistant City Manager
- Brent Herring, Deputy Director – Operations

HDR Engineering, Inc. was selected for this project with a contract amount of \$4,619,205.00, with subcontracting participation of 14% MBE and 14% WBE.

Other Proposals Received

Other proposals received included:

- Black & Veatch Corporation
- CDM Smith

Estimated Project Cost

The City's estimated cost for this project is \$4,200,000.00.

Fiscal Impact

1. Is this legislation included in the adopted budget? Yes No
2. What is the funding source?

25-8010-807773-611040-80002439 = \$4,619,205.00
Water Treatment Facilities

3. How does the legislation affect the current fiscal year?

This ordinance is revenue supported and will not have a net impact on the current fiscal year.

4. Does the legislation have a fiscal impact in future fiscal years? Please notate the difference between one-time and recurring costs.

No.

5. Does the legislation generate revenue, leverage outside funding, or deliver a return on investment?

No.

Office of Management and Budget Review
(OMB Staff will complete this section.)

1. This legislation is supported by the general fund. Yes No

2. This fund has a structural imbalance. Yes No

3. Account string has been verified/confirmed. Yes No

Additional Discussion (if needed)

Click or tap here to enter text.

Citywide Business Plan (CWBP) Impact

1. View the [FY23 Citywide Business Plan](#)

2. Which CWBP goal is most impacted by this legislation?
Infrastructure and Accessibility (Press tab after selecting.)

3. Which objectives are impacted by this legislation (select all that apply):

- Engage in thoughtful planning and redesign of existing road networks to ensure safety, access, and mobility of users of all ages and abilities.
- Enhance the City's connectivity, resiliency, and equity through a better-connected multi-modal transportation system for all users.
- Build on existing strengths while developing a comprehensive transportation plan for the future.
- Develop environmentally sustainable infrastructure strategies that improve quality of life and foster economic growth.

- Ensure adequate resources are provided for continued maintenance of existing infrastructure.
- Focus on delivery of safe connections to schools.

Prior Legislation

N/A

Service Level Impacts

This project will contribute to service level impacts by increasing the resiliency of the Water Utility by having backup capacity in the event of plant outages at the main water treatment plant and other adverse events. The new plant will be constructed to meet proposed regulations, which will require higher levels of treatment. The new water treatment plant's capacity can be utilized to allow reduced capacity at our existing Briarcliff water treatment plant to aid in meeting new regulatory requirements.

Other Impacts

1. What will be the potential health impacts to any affected groups?
Work on this project will contribute to health impacts by:
 - Continuing to provide clean water for rate payers.
 - Providing clean water for future growth of Kansas City and forecasted water demands.
 - Selecting modern treatment technologies that optimize chemical usage and address current and emerging contaminants.
2. How have those groups been engaged and involved in the development of this ordinance?
Not at this time, affected groups will be engaged through the study phase of this design contract.
3. How does this legislation contribute to a sustainable Kansas City?
This project contributes to a sustainable Kansas City by developing resilient water infrastructure needed for the forecasted water demand of Kansas City, and increase cybersecurity capabilities through an upgraded Supervisory Control and Data Acquisition (SCADA) system. Kansas City's Climate Protection plan will be incorporated to the extent possible.
4. Does this legislation create or preserve new housing units?

No (Press tab after selecting)

N/A

Click or tap here to enter text.

5. Department staff certifies the submission of any application Affirmative Action Plans or Certificates of Compliance, Contractor Utilization Plans (CUPs), and Letters of Intent to Subcontract (LOIs) to CREO prior to, or simultaneously with, the legislation entry request in Legistar.

Yes - I have submitted documents for CREO Review (Press tab after selecting)
Please attach or copy and paste CREO's review.

The Contractor Utilization Plan was submitted to CREO KC for review on April 18, 2024, and was approved on April 22, 2024 with 14% MBE and 14% WBE participation.

There are Affirmative Action Program requirements in this contract.

6. Does this legislation seek to approve a contract resulting from an Invitation for Bid?

No(Press tab after selecting)

7. Does this legislation seek to approve a contract resulting from a Request for Proposal/Qualification (RFP/Q)?

Yes(Press tab after selecting)

In an effort to prevent disclosure of confidential information, a separate communication will be provided to City Council members to reflect the top three proposers for the RFP/Q.