



AGENDA ACTION FORM

Consideration of a Resolution to Enter into an Engineering Agreement with Barge Design Solutions for a Water Quality Assessment of the South Fork of the Holston River

To: Board of Mayor and Aldermen
From: Chris McCartt, City Manager *CM*

Action Form No.: AF-172-2024
Work Session: June 17, 2024
First Reading: June 18, 2024
Final Adoption: June 18, 2024
Staff Work By: Niki Ensor
Presentation By: Ryan McReynolds

Recommendation:
Approve the resolution.

Executive Summary:
In response to TDEC placing the South Fork Holston River (SFHR) on the 303(d) list of impaired waterways and in preparation for the next NPDES permit cycle, it is in Kingsport's best interest to develop a thorough understanding and assessment of the quality of the SFHR.

Beginning in 2016, TDEC listed the SFHR impaired due to nutrients attributed to municipal point sources. Due to the minimal number of data points and the suspect manner of data collection, the City of Kingsport continues to disagree with the validity of the data used for this decision and has unsuccessfully requested TDEC to remove the listing since the original listing. Additionally, Kingsport's latest NPDES permit included the following requirements related to nutrients, "Alert Values reporting and required participation in Tennessee Plant Optimization Program". Therefore, considering the financial impact to our rate payers of the possible inclusion of nutrient reduction in the next permit, we recommend developing a clear and transparent assessment of the SFHR.

Barge Design Solutions, Inc. (Barge) proposes to provide the City with a chemical and biological water quality assessment of the SFHR from the Fort Patrick Henry Dam downstream to approximately 0.75 river miles below the confluence of the SFHR and Reedy Creek. Barge has engaged Dynamic Solutions to model the water quality and sediment data to develop a water quality model for the South Fork Holston River over the course of the three-year study.

While this is a multi-year project, we are only asking for approval of funding phase 1a at this time. Initial phase of work is \$299,970 with funds available in our operating budget. Future phases will require board approval.

- Attachments:**
1. Resolution
2. Barge Proposal

	<u>Y</u>	<u>N</u>	<u>O</u>
Cooper	—	—	—
Duncan	—	—	—
George	—	—	—
Montgomery	—	—	—
Olterman	—	—	—
Phillips	—	—	—
Shull	—	—	—