

CITY OF HENDERSONVILLE AGENDA ITEM SUMMARY

SUBMITTER:	Brent Detwiler	MEETING DATE:	May 2, 2024
AGENDA SECTION:	CONSENT	DEPARTMENT:	Public Services
TITLE OF ITEM:	French Broad River Intake Project Public Services Director	Engineering Amendi	nent 8 – <i>Brent Detwiler,</i>

SUGGESTED MOTION(S):

I move that City Council resolve to approve the Amendment 8 to the Black & Veatch engineering agreement for the French Broad River Intake Project and to authorize the City Manager to execute the Amendment for said work; as presented and recommended by staff.

SUMMARY:

At the onset of the French Broad River Intake Project construction, the duration of construction was set at 720 days (24 months) for substantial completion and 780 days (26 months) for final completion. As part of Construction Contract Change Order 003, the City granted the contractor's request for an 85-day extension of the contract due to delays that were beyond the control of the Owner and Contractor. This shifted Substantial Completion to July 2, 2024 and Final Completion to August 30, 2024. This additional duration extends the duration for Black and Veatch and it's subconsultants to provide Construction Phase Services.

Throughout the project's construction, several activities arose outside of our control that resulted in the need for effort above and beyond that which was originally planned, including:

- The effort required in managing and overseeing the Contractor's installation of the Combination King-Pile/Sheet-Pile Wall exceeded what was originally estimated.
- Coordination and management of the supplier of the Owner Furnished Engine Generator was above and beyond what was originally estimated.
- General coordination and management of the installation of the Primary Electric Service by Duke Energy and their subcontractor.
- Additional engineering design services were required to find solutions for incorrect anchorage of the guardrail at the intake structure, incorrect roof joist dimensions, and incorrect slide gate actuator stands at the intake.

In addition, Supplementary Services were requested by the City for the following activities that were not included in the original contract scope:

• In response to drought conditions, the City requested Engineer's assistance in formulating and preparing an EAP to enact temporary pumping measures to provide the City's WTP with raw water from the French Broad River. This included discussion/coordination meetings with the City, the City's pump vendor, and NCDEQ, as well as preparation of the EAP document, and submission to/coordination with NCDEQ to secure approval.

- The City requested the Engineer to formulate a conceptual strategy for addition of a flow meter at the existing Mills River Pump Station.
- The Engineer is assisting the City with strategy for sampling of water from French Broad River

BUDGET IMPACT: \$285,295.00

Is this expenditure approved in the current fiscal year budget? Yes, there are contingencies within the SRF loan funding for the project that will cover the amendment.

If no, describe how it will be funded.

ATTACHMENTS:

Etowah Water Engineering Amendment 8 – Black & Veatch