



CITY OF
FOLSOM
DIVERSITY BY DESIGN

Folsom City Council Staff Report

MEETING DATE:	11/12/2024
AGENDA SECTION:	Consent Calendar
SUBJECT:	Resolution No. 11282 – A Resolution Authorizing the City Manager to Execute Amendment No. 2 to the Agreement (Contract No. 173-21 23-037) with Black & Veatch Corporation for the Design of the Water Treatment Plant Caustic Soda System Project (WA2401)
FROM:	Environmental and Water Resources Department

RECOMMENDATION / CITY COUNCIL ACTION

The Environmental and Water Resources Department recommends the City Council pass and adopt Resolution No. 11282 – A Resolution Authorizing the City Manager to Execute Amendment No. 2 to the Agreement (Contract No. 173-21 23-037) with Black & Veatch Corporation for the Design of the Water Treatment Plant Caustic Soda System Project (WA2401).

BACKGROUND / ISSUE

The Environmental and Water Resources (EWR) Department identifies projects that are critical to ensuring the delivery of adequate and high-quality water supply to all water customers through water master plans, ongoing condition assessment programs, and regulatory changes. Through these efforts, City staff identified the Water Treatment Plant Caustic Soda System Project as a priority project.

In July 2023 through Resolution No. 11064, City Council authorized an agreement with Black & Veatch Corporation for the Design of the Water Treatment Plant Caustic Soda System Project. In July 2024, Amendment No.1 was approved by the City Manager and Environmental and Water Resources Director to extend the contractor period an additional two years to facilitate the design. No additional costs were associated with Amendment No.1.

This resolution will authorize the City Manager to execute Amendment No. 2 to the Agreement (Contract No. 173-21 23-037) with Black & Veatch Corporation for the design of the Water Treatment Plant Caustic Soda System Project for a not-to-exceed amount of \$231,555.

POLICY / RULE

In accordance with Chapter 2.36 of the Folsom Municipal Code, supplies, equipment, services, and construction with a value of \$73,209 or greater shall be awarded by City Council.

ANALYSIS

In August of 2020, the City hired Black & Veatch Corporation to provide an evaluation of the City's corrosion control methods and it was recommended by Black & Veatch Corporation to add orthophosphate to the City's water treatment process. A follow up evaluation that began in October 2021 was recommended to determine if the selected dosage of orthophosphate was able to be optimized or if any modifications to the target finished water pH could further improve the corrosion control treatment (CCT).

The recommendation from the finished water quality analysis and alternative bench-scale tests was for the City to switch from the existing lime system to sodium hydroxide (also known as caustic soda) which would allow Water Treatment Plant (WTP) operators to achieve a specific finished water pH even with seasonal changes in the raw water quality with greater reliability and reduced chemical costs. Overall, the optimal condition identified from bench-scale testing involves maintaining the current orthophosphate dosage (0.9 mg/L as PO₄) and using sodium hydroxide to target a finished water pH of 8.5.

Black & Veatch Corporation was determined to provide the best value to the City based on the past municipal project experience involving work of similar scope and complexity including technical knowledge and specialty expertise in water treatment processes, as well as intimate knowledge of the City's water treatment processes and WTP operations. Additional engineering services during construction to be provided by Black & Veatch Corporation include the following:

- Engineering Services During Construction:
 - Construction Kickoff Meeting and Startup Assistance.
 - Responses to contractor initiated Requests-for-Information (RFIs).
 - Submittal Review.
 - Design Clarifications, Design Changes, and Change Order Assistance.
 - Site Visits.
 - Construction Punch List Preparation.
 - Preparation of Record Drawings.

This resolution will authorize the City Manager to execute Amendment No. 2 to the Agreement (Contract No. 173-21 23-037) with Black & Veatch Corporation for the design of the Water

Treatment Plant Caustic Soda System Project (WA2401) for a not-to-exceed amount of \$231,555.

FINANCIAL IMPACT

The City Council approved Resolution No. 11064 at the July 11, 2023, City Council meeting authorizing the City Manager to execute an agreement with Black & Veatch Corporation for design services for the Water Treatment Plant Caustic Soda System Project (Project WA2401) for a total amount not to exceed \$233,915. The Water Treatment Plant Caustic Soda System Project is included in the Capital Improvement Plan with a Fiscal Year 2024-25 project budget of \$3,222,500. The EWR Department recommends that the amendment be executed with Black & Veatch Corporation for \$231,555 for a total contract amount of \$465,470. Sufficient funds are budgeted and available in the Water Operating Fund (Fund 520) for the cost of the amendment.

ENVIRONMENTAL REVIEW

This project is replacement and/or improvement of existing infrastructure with negligible or no expansion of use and therefore is categorically exempt from environmental review under the California Environmental Quality Act as noted in Title 14 – California Code of Regulations, Chapter 3 – Guidelines for Implementation of the California Environmental Quality Act, Article 19 – Categorical Exemptions, Sections 15301 (Existing Facilities), 15302 (Replacement or Reconstruction), and/or 15304 (Minor Alterations to Land).

ATTACHMENT

Resolution No. 11282 – A Resolution Authorizing the City Manager to Execute Amendment No. 2 to the Agreement (Contract No. 173-21 23-037) with Black & Veatch Corporation for the Design of the Water Treatment Plant Caustic Soda System Project (WA2401).

Submitted,

Marcus Yasutake, Director
ENVIRONMENTAL AND WATER RESOURCES DEPARTMENT

RESOLUTION NO. 11282

A RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE AMENDMENT NO. 2 TO THE AGREEMENT (CONTRACT NO. 173-21 23-037) WITH BLACK & VEATCH CORPORATION FOR THE DESIGN OF THE WATER TREATMENT PLANT CAUSTIC SODA SYSTEM PROJECT (WA2401)

WHEREAS, the City identified that the project is critical to ensuring the treatment of high quality water supply to be delivered to all residents; and

WHEREAS, the City of Folsom has identified this project as a priority to maintain the integrity and operation of the water treatment system; and

WHEREAS, Black & Veatch Corporation, by reason of their knowledge and familiarity with the project, understanding of the background and requirements of the project, and qualifications and experience of the project team, are qualified to perform the required consulting and design services for the project; and

WHEREAS, the Water Treatment Plant Caustic Soda System Project (WA 2401) is included in the FY 2024-25 Capital Improvement Plan; and

WHEREAS, sufficient funds are budgeted and available in the Water Operating Fund (Fund 520) in the amount of \$231,555; and

WHEREAS, the agreement will be in a form acceptable to the City Attorney:

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Folsom authorizes the City Manager to execute Amendment No. 2 to the Agreement (Contract No. 173-21 23-037) with Black & Veatch Corporation for the design of the Water Treatment Plant Caustic Soda System Project (WA2401). Amendment No. 2 will be in the amount of \$231,555 and the new total contract amount, including Amendment No. 2 is \$465,470.

PASSED AND ADOPTED this 12th day of November 2024, by the following roll-call vote:

AYES: Councilmember(s):
NOES: Councilmember(s):
ABSENT: Councilmember(s):
ABSTAIN: Councilmember(s):

Michael D. Kozlowski, MAYOR

ATTEST:

Christa Freemantle, CITY CLERK