



## Folsom City Council Staff Report

<b>MEETING DATE:</b>	8/25/2020
<b>AGENDA SECTION:</b>	Consent Calendar
<b>SUBJECT:</b>	Resolution No. 10509 – A Resolution Authorizing the City Manager to Execute an Agreement with Black & Veatch Corporation for Construction Administration Services for the Water Treatment Plant Pre-Treatment System Improvement Project
<b>FROM:</b>	Environmental and Water Resources Department

### RECOMMENDATION / CITY COUNCIL ACTION

The Environmental and Water Resources Department recommends that the City Council pass and adopt Resolution No. 10509 - A Resolution Authorizing the City Manager to Execute an Agreement with Black & Veatch Corporation for Construction Administration Services for the Water Treatment Plant Pre-Treatment System Improvement Project.

### BACKGROUND / ISSUE

The Environmental and Water Resources Department identifies infrastructure rehabilitation and replacement projects through water and sewer master plans, ongoing condition assessment programs, and regulatory changes. Staff has completed an analysis of potential treatment plant capacity and reliability projects. Through these efforts, City staff identified the Water Treatment Plant Actiflo-Polymer Capacity Project as a priority project.

In April 2016, the City completed a Water Treatment Plant (WTP) Optimization Study to assess existing operations at the WTP and to develop strategies to address any deficiencies regarding the City's water treatment process. The study evaluated chemical addition, pre-treatment, filtration, and disinfection of the water treatment process. One of the recommendations from the study is to improve the reliability and redundancy of City's existing pre-treatment sedimentation capacity.

Currently, the City's water treatment process consists of three pre-treatment facilities, two Actiflo trains that can treat 20 million gallons per day (MGD) each and the Basin 5 train, which can treat 15 MGD for a total capacity of 55 MGD of treated water. However, if the WTP were required to produce at the rated design capacity of 50 MGD, this requires all three pre-treatment sedimentation trains to remain online without any redundancy. If one of the three existing pre-treatment sedimentation systems were offline due to failure or operation and maintenance, the WTP would only be able to produce 35 to 40 MGD.

This resolution will authorize the City Manager to execute an agreement with Black & Veatch Corporation for Construction Administration services for the Water Treatment Plant Pre-Treatment System Improvement Project in the amount of \$182,379.

### **POLICY / RULE**

In accordance with Chapter 2.36 of the Folsom Municipal Code, professional services costing \$62,014 or greater shall be contracted for by the City Council.

### **ANALYSIS**

The Water Treatment Plant Actiflo-Polymer Capacity Project allows the City to rerate and modify the existing pre-treatment system in order to provide redundancy and meet water demands.

Modifications to the two Actiflo trains will increase each pre-treatment capacity from 20 MGD to 25 MGD. Additional modifications to the Basin No. 5 train will improve system hydraulics and increase its pre-treatment capacity, from 15 MGD to 25 MGD. These modifications, when combined, could increase the WTP's total pre-treatment capacity from 55 MGD to 75 MGD. As a result of the proposed improvements, the WTP's firm capacity, if one of the pre-treatment trains is inoperable, will be 50 MGD.

In 2018 the Environmental and Water Resources Department completed a pre-qualification process for consultants for design and construction management services. The consulting firm Black & Veatch Corporation was one of four design firms selected to provide design and construction administration services for water treatment plant projects through the pre-qualification process.

Construction administration services will include a pre-construction meeting and weekly progress meetings, project administration, documentation management, project management activities, review of 40 shop drawing submittals and 10 resubmittals, review and response of 40 contractor requests for information (RFIs), preparation of two design changes, review and evaluation of potential change orders, site visits for electrical and structural clarification as required, equipment start-up and coordination, and preparation of conformed to construction record drawings. Black & Veatch Corporation, by reason of their statement of qualifications, past experience and abilities for performing these types of services, are qualified to perform the required consulting services for this project.

The Environmental and Water Resources Department recommends that the City Council authorize the City Manager to execute an agreement with Black & Veatch Corporation for a not-to-exceed amount of \$182,379.

**FINANCIAL IMPACT**

The Water Treatment Plant Pre-Treatment System Improvement Project was included in the FY 2020-21 Capital Improvement Plan with a Project Budget of \$6,139,675. There are sufficient funds available in the Water Capital Fund (Fund 521) for this agreement.

**ENVIRONMENTAL REVIEW**

The environmental work is covered under a design services contact with Black and Veatch approved by City Council under Resolution No. 10246. An initial review of the project indicates that the project likely qualifies for a “replacement or reconstruction” exemption under CEQA Section 15301 (h). Helix Environmental Planning, Inc. will review all technical reports, develop the project description, and prepare the Categorical Exemption (CE) following CEQA Guidelines. In the event that any findings require additional CEQA work or analysis beyond the work required for the Notice of Exemption, this will be brought back to City Council for consideration and approval.

**ATTACHMENT**

Resolution No. 10509 - A Resolution Authorizing the City Manager to Execute an Agreement with Black & Veatch Corporation for Construction Administration Services for the Water Treatment Plant Pre-Treatment System Improvement Project.

Submitted,

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Marcus Yasutake, Director  
Environmental & Water Resources

**RESOLUTION NO. 10509**

**A RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE AN AGREEMENT WITH BLACK & VEATCH CORPORATION FOR CONSTRUCTION ADMINISTRATION SERVICES FOR THE WATER TREATMENT PLANT PRE-TREATMENT SYSTEM IMPROVEMENT PROJECT**

**WHEREAS**, the City has 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 past experience and abilities for performing these types of services, are qualified to perform the required consulting services for this project; and

**WHEREAS**, sufficient funds have been budgeted and are available in the Water Capital Fund (Fund 521) for this project; 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 an agreement with Black & Veatch Corporation for Construction Administration services for the Water Treatment Plant Pre-Treatment System Improvement Project for a not-to-exceed amount of \$182,379.

**PASSED AND ADOPTED** this 25<sup>th</sup> day of August 2020, by the following roll-call vote:

**AYES:** Council Member(s):  
**NOES:** Council Member(s):  
**ABSENT:** Council Member(s):  
**ABSTAIN:** Council Member(s):

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Sarah Aquino, MAYOR

ATTEST:

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Christa Freemantle, CITY CLERK