



Folsom City Council Staff Report

MEETING DATE:	5/10/2022
AGENDA SECTION:	Consent Calendar
SUBJECT:	Resolution No. 10842 - A Resolution Authorizing the City Manager to Execute an Agreement with McGuire and Hester for the Construction of the Water Treatment Plant Backwash and Recycled Water Upgrades Project and Appropriation of Funds
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. 10842 - A Resolution Authorizing the City Manager to Execute an Agreement with McGuire and Hester for the Construction of the Water Treatment Plant Backwash and Recycled Water Upgrades Project and Appropriation of Funds.

BACKGROUND / ISSUE

The Environmental and Water Resources (EWR) Department identifies infrastructure rehabilitation and replacement projects through water and sewer master plans, ongoing condition assessment programs, and regulatory changes. EWR staff completed an analysis of potential Water Treatment Plant capacity and reliability projects. Through these efforts, EWR staff identified the Water Treatment Plant Backwash and Recycled Water Upgrades Project as a priority project.

There are two Reclaimed Backwash (RBW) ponds (RBW #1 and RBW #2) at the Water Treatment Plant (WTP) that store backwash water, which is water used to clean the filters. This backwash water can be recycled back to the headworks of the WTP. The US Environmental Protection Agency (EPA) allows water agencies to recycle up to 10% of the backwash water based on the water treatment plant capacity. The WTP's current firm capacity is 35 million gallons per day (MGD), and 10% of the current firm capacity, or 3.5 MGD of backwash water,

can be recycled back into the system. The WTP's future firm capacity will be 50 MGD. This project will increase redundancy and reliability to allow for 10% of the future firm capacity, or 5.0 MGD of backwash water, to be recycled back into the WTP system. Additionally, increasing the recycled water capacity greatly reduces the City's risk for the RBW ponds to potentially overflow.

The current piping configuration at the inlet of the RBW ponds only feeds RBW #2. This project will upgrade the piping arrangement to feed either RBW #1 or RBW #2 with isolation valves. Having this operational flexibility in feeding either pond will allow for the maintenance and cleaning of one pond at a time, while the other is still operating. This project also involves upgrading the submersible pumps in the decant pump station (DPS) at the outlet of the RBW ponds to meet the peak flow of approximately 5.0 MGD. Additionally, the DPS control system will be upgraded to provide improved operational controls and flexibility. The DPS wet well also has aging and leaking slide gates that will be replaced.

This resolution will authorize the City Manager to execute an agreement with McGuire and Hester for the construction of the Water Treatment Plant Backwash and Recycled Water Upgrades Project in the amount of \$1,834,000, and the budget for this agreement to include a 10% contingency in the amount of \$183,400 and Appropriation of Funds.

POLICY / RULE

In accordance with Chapter 2.36 of the Folsom Municipal Code, supplies, equipment, services, and construction with a value of \$62,657 or greater shall be awarded by City Council.

ANALYSIS

The City completed plans and specifications for the Water Treatment Plant Backwash and Recycled Water Upgrades Project and publicly advertised for bids on February 16, 2022. In addition, the City provided these documents to www.ciplist.com which is also picked up by several area builders' exchanges and the City of Folsom's website. The Environmental and Water Resources Department received the following bids on March 25, 2022, for construction of the Water Treatment Plant Backwash and Recycled Water Upgrades Project:

Contractor	Bid Amount
McGuire and Hester	\$1,834,000
T & S Construction Co., Inc.	\$2,110,000
Lorang Brothers Construction, Inc.	\$2,280,329
Syblon Reid	\$2,290,000
TNT Industrial Contractors, Inc.	\$2,297,956

Staff has reviewed the bids submitted and has determined that McGuire and Hester is the lowest responsible and responsive bidder who meets the requirements and specifications set forth in the invitation for bids.

FISCAL IMPACT

The Environmental and Water Resources Department recommends that the contract be awarded to the lowest responsible, responsive bidder, McGuire and Hester for \$1,834,000 with the project budgeted for this agreement in the amount of \$2,017,400 which will include a 10% contingency in the amount of \$183,400.

Approximate project costs to date, which include design, construction administration services, construction management and inspection services total approximately \$362,625. The Water Treatment Plant Backwash and Recycled Water Upgrades Project was included in the FY 2021-22 Capital Improvement Plan with a total project budget of \$1,072,200, which was the original assumed project cost from the initial inclusion in the FY 2017/18 Capital Improvement Plan. Therefore, an additional appropriation will be needed for construction costs, and staff is requesting an appropriation of \$1,307,825 of which \$850,086 will be appropriated in the Water Operating Fund (Fund 520) and \$457,739 in the Water Capital Fund (Fund 521) for a total project budget of \$2,380,025. Funds are available in both Fund 520 and Fund 521 for this additional appropriation.

In February of 2021, the City was awarded a financial assistance agreement from the U.S. Department of the Interior, Bureau of Reclamation (BOR) WaterSMART Drought Response Program for \$750,000 to be utilized on three City water projects: Ashland Water System Rehabilitation Project No.1, The Empire Ranch Non-Potable Well Project, and the Water Treatment Plant Backwash and Recycled Water Upgrades Project. Of the \$750,000 grant, \$250,000 was reserved for the construction of the Water Treatment Plant Backwash and Recycled Water Upgrades Project. Following completion of construction of the Water Treatment Plant Backwash and Recycled Water Upgrades Project, the City will submit to the BOR for reimbursement of the allotted \$250,000 with \$162,500 to be applied to the Water Operating Fund (Fund 520) and \$87,500 to the Water Capital Fund (Fund 521).

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. 10842 - A Resolution Authorizing the City Manager to Execute an Agreement with McGuire and Hester for the Construction of the Water Treatment Plant Backwash and Recycled Water Upgrades Project and Appropriation of Funds

Submitted,

Marcus Yasutake, Director
ENVIRONMENTAL AND WATER RESOURCES DEPARTMENT

RESOLUTION NO. 10842

A RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE AN AGREEMENT WITH MCGUIRE AND HESTER FOR THE CONSTRUCTION OF THE WATER TREATMENT PLANT BACKWASH AND RECYCLED WATER UPGRADES PROJECT AND APPROPRIATION OF FUNDS

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, the project is categorically exempt from environmental review under the California Environmental Quality Act; and

WHEREAS, plans and specifications were prepared for this work and publicly advertised for bids on February 16, 2022; and

WHEREAS, McGuire and Hester was the lowest responsible and responsive bidder, with an amount of \$1,834,000; and

WHEREAS, this project was included in the FY 2021-22 Capital Improvement Plan with a project budget of \$1,072,200 staff is now projecting the total project costs will be \$2,380,025; and

WHEREAS, an additional appropriation of funds in the amount of \$1,307,825 is needed for a revised project budget of \$2,380,025 and sufficient funds are available in the Water Operating Fund (Fund 520) and the Water Capital Fund (Fund 521) for this additional appropriation; 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 McGuire and Hester for the Construction of the Water Treatment Plant Backwash and Recycled Water Upgrades Project for a not-to-exceed amount of \$1,834,000 with the budgeted amount to include a 10% contingency of \$183,400 for a total of \$2,017,400.

BE IT FURTHER RESOLVED that the Finance Director is authorized to appropriate \$1,307,825 for this agreement. The appropriation will be from the Water Operating Fund (Fund 520) in the amount of \$850,086 and from the Water Capital Fund (Fund 521) in the amount of \$457,739, for a total project budget of \$2,380,025.

PASSED AND ADOPTED this 10th day of May 2022, by the following roll-call vote:

AYES: Councilmember(s):
NOES: Councilmember(s):

ABSENT: Councilmember(s):
ABSTAIN: Councilmember(s):

Kerri M. Howell, MAYOR

ATTEST:

Christa Freemantle, CITY CLERK