



Folsom City Council Staff Report

MEETING DATE:	5/10/2022
AGENDA SECTION:	Consent Calendar
SUBJECT:	Resolution No. 10843 - A Resolution Authorizing the City Manager to Execute an Agreement with Inferrera Construction Management Group, Inc. for Construction Management and Inspection Services for the Water Treatment Plant Backwash and Recycled Water Upgrades Project
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. 10843 - A Resolution Authorizing the City Manager to Execute an Agreement with Inferrera Construction Management Group, Inc. for Construction Management and Inspection Services for the Water Treatment Plant Backwash and Recycled Water Upgrades Project.

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 Inferrera Construction Management Group, Inc. for construction management and inspection services for the Water Treatment Plant Backwash and Recycled Water Upgrades Project in the amount of \$184,951.

POLICY / RULE

In accordance with Chapter 2.36 of the Folsom Municipal Code, supplies, equipment, services, and construction with a value of \$66,141 or greater shall be awarded by City Council.

ANALYSIS

In October of 2018, the EWR Department completed a pre-qualification process for consultants for construction management and inspection services. Inferrera Construction Management Group, Inc., HydroScience Engineers, Inc., and NV5, Inc. were three of the consulting firms selected to provide these services for this type of project through the pre-qualification process.

On April 1, 2022, the City requested proposals from these consultants for construction management and inspection services for the Water Treatment Plant Backwash and Recycled Water Upgrades Project. The EWR department received proposals from Inferrera Construction Management Group, Inc., and HydroScience Engineers, Inc., on April 15, 2022, and NV5, Inc. chose to not submit a proposal.

The fee schedules from the proposals received are outlined below:

Consultant	Fee Amount
Inferrera Construction Management Group, Inc.	\$184,951
HydroScience Engineers, Inc.	\$226,640
NV5, Inc.	N/A

EWR staff evaluated the consultant submittals based on relevant project experience, the consultant's understanding of the background and requirements of the project, qualifications and experience of the consultant's construction management team, previous work with municipalities, cost and best value to the City.

Inferrera Construction Management Group, Inc. was determined to provide the best value to the City based on the fee amount, past municipal project experience involving work of similar scope and complexity, staff coordination, and abilities for performing these types of construction management and inspection services.

The construction management and inspection for this project will require approximately 872 person-hours of highly technical and specialized services, including full-time construction inspection. The proposed fee for construction management and inspection services is consistent with recent City construction projects with respect to the construction duration. Construction management services require full-time, on-site inspection, and include other necessary tasks such as project schedule tracking, review and/or coordination of project submittals, coordination with the other on-going City construction projects, materials testing, and overall owner representation throughout project construction.

This resolution will authorize the City Manager to execute an agreement with Inferrera Construction Management Group, Inc. for construction management and inspection services for the Water Treatment Plant Backwash and Recycled Water Upgrades Project in the amount of \$184,951.

FINANCIAL IMPACT

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. Sufficient funds are available in both the Water Operating Fund (520) and Water Capital Fund (521) and the project for this agreement.

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. 10843 - A Resolution Authorizing the City Manager to Execute an Agreement with Inferrera Construction Management Group, Inc. for Construction Management and

Inspection Services for the Water Treatment Plant Backwash and Recycled Water Upgrades
Project

Submitted,

Marcus Yasutake, Director
ENVIRONMENTAL AND WATER RESOURCES DEPARTMENT

RESOLUTION NO. 10843

A RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE AN AGREEMENT WITH INFERRERA CONSTRUCTION MANAGEMENT GROUP, INC. FOR CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE WATER TREATMENT PLANT BACKWASH AND RECYCLED WATER UPGRADES PROJECT

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

WHEREAS, Inferrera Construction Management Group, Inc. by reason of their past experience and abilities for performing these types of services, are qualified to perform the required construction management and inspection services for the project and provide the best value to the City; and

WHEREAS, the Water Treatment Plant Backwash and Recycled Water Upgrades Project was included in the FY 2021-22 Capital Improvement Plan; and

WHEREAS, sufficient funds are available in the both the Water Operating Fund (Fund 520) and the Water Capital Fund (Fund 521) for this agreement; 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 Inferrera Construction Management Group, Inc. for construction management and inspection services for the Water Treatment Plant Backwash and Recycled Water Upgrades Project for a not-to-exceed amount of \$184,951.

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

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