File #: 23-488, **Version:** 1

CITY COUNCIL AGENDA ITEM

Memo Date: August 22, 2023
Agenda Date: September 12, 2023
Prepared By: Kimberley Ross
Through: John A. Walsh, P.E., Utilities Director
Requested Action:
To Approve Multi-year Task Order 2023-33 with Jacobs Engineering, Inc. (Jacobs) to provide Engineering services for the design, permitting, and bidding of the project to replace the Carbon Dioxide Storage and Feed System at the Dyal Water Treatment Plant (WS23BR).

BACKGROUND:

Carbon dioxide is used at the Dyal Water Treatment Plant to lower and optimize the pH of the treated water prior to filter operations. The existing recarbonization equipment that is used consists of two 70 -ton liquid carbon dioxide storage tanks with associated refrigeration, vaporizer, and diffuser systems. This system was constructed over a period of time with some portions original to the plant and some portions installed in the 1990s. The entirety of the equipment has reached its projected useful life and requires replacement.

The proposed design will be to replace the storage tanks in kind and to upgrade the diffuser feed system thus resulting in a more efficient carbonic acid feed system. The task order includes the design, permitting, and bidding assistance services for this project.

Staff recommends approval of the Jacobs Task Order 2023-33 for the engineering services for the design, permitting, and bidding services of the Carbon Dioxide Storage and Feed System at the Dyal Water Treatment Plant (WS23BR) for $147,898.

STRATEGIC PLAN CONNECTION:

N/A

BUDGETARY IMPACT:

Budgeted	Yes
If not budgeted, is amendment/transfer attached?	N/A

Amount Requested	$147,898.00
Account Number	424-4055-536.63-00, WS23BR
Account Name	Infrastructure

Source Funds Capital

PREVIOUS ACTION:

N/A

RECOMMENDED MOTION:

To Approve Multi-year Task Order 2023-33 with Jacobs Engineering, Inc. (Jacobs) to provide Engineering services for the design, permitting, and bidding of the project to replace the Carbon Dioxide Storage and Feed System at the Dyal Water Treatment Plant (WS23BR).