



**BUSINESS OF THE CITY COUNCIL
YAKIMA, WASHINGTON
AGENDA STATEMENT**

Item No. 7.N.
For Meeting of: October 15, 2024

ITEM TITLE: Resolution authorizing an Agreement with Apollo, Inc. for Project WF2761 Biosolids Dewatering Improvements at the Wastewater Treatment Plant

SUBMITTED BY: Scott Schafer, Director of Public Works
* Mike Price, Wastewater/Stormwater Manager

SUMMARY EXPLANATION:

Biosolids generated during the wastewater treatment process at the City of Yakima (City) Wastewater Treatment Plant require dewatering to reduce hauling costs to beneficial use sites. The treatment plant currently utilizes two aging dewatering centrifuges that have reached the end of their service lives. The centrifuge process is energy intensive, requires frequent expensive maintenance by specialist repair firms, and requires the full-time attendance of a wastewater treatment plant operator.

The Wastewater Division's facility planning process identified screwpress dewatering technology as a proven replacement for centrifugation. The City ran three successful screwpress pilot studies at the treatment plant between 2019 and 2022 to verify effective biosolids dewatering with the screwpress process.

City Project WF2761 replaces the centrifuges with screwpress units that require low power input, reduced maintenance, and only part-time operator attendance. A preliminary power usage analysis showed that replacing the centrifuges could save up to 500,000 kilowatt hours of power usage annually, potentially qualifying the project for a reimbursement of up to \$100,000. The project also includes biosolids conveyor improvements that allow efficient and unattended loadout of dewatered biosolids to the transport trailers.

The City previously entered into an agreement with RH2 Engineering, Inc. under Resolution R-2023-094 to provide design, bidding, and construction services for the improvements. The City utilized the procedure established by the State of Washington for competitively bidding projects. Four contractors submitted bids, with Apollo, Inc. submitting the lowest bid of \$5,996,895.90.

The Agreement in an amount not to exceed \$5,996,895.90 is attached for City Council review. The project is funded by Wastewater Capital Fund 478.

ITEM BUDGETED: Yes

STRATEGIC PRIORITY 24-25: A Resilient Yakima

RECOMMENDATION: Adopt Resolution

ATTACHMENTS:

[Resolution.docx](#)

[Contract.pdf](#)