

AGENDA ITEM #: _____

DATE: October 28, 2019

CAR #: 2019-6695



CITY COUNCIL ACTION REPORT

SUBJECT: Approve expenditure of \$1,230,000 for the Rainbow Valley Water Reclamation Facility Disc Filter Project and related budget transfer.

STAFF PRESENTER(S): Todd Carpenter, Wastewater Superintendent;
Barbara Chappell, Deputy Public Works Director

OTHER PRESENTER(S): N/A

Summary: Request City Council approval of the expenditure of FY2020 funds for the purchase and installation of new disc filters at the Rainbow Valley Water Reclamation Facility using wastewater operating funds.

Recommendation:

Approve expenditure of funds in the amount of \$1,230,000 to purchase and install new disc filters, piping, and associated electrical equipment per approved plans and specifications for the Rainbow Valley Water Reclamation Facility (WRF) and related budget transfer.

Fiscal Impact: The FY2020 Capital Improvement Program (CIP) budget includes \$935,500 in wastewater operating funds for the disc filter replacement at the Rainbow Valley WRF (project 60031). Increased material costs and the need to maintain an adequate level of owner contingency during construction have increased the project budget by \$294,500. City staff, the contractor, and the design engineer performed valued engineering review and reduced construction costs by \$94,000, but the total still exceeds the approved project budget.

Three other CIP projects funded by wastewater operating funds have savings that can be reallocated to fully fund this project.

- The Goodyear WRF Rehabilitation and Replacement project (project 60027) has a centrifuge replacement and a headworks odor control scrubber installation as part of those approved funds. Upon scoping the proposed headworks odor control scrubber, it was determined this project was not needed at this point in time as the odor can be mitigated by increased solids disposal. This will provide \$183,000 to be allocated toward the disc filter project.

- The Del Camino Lift Station Rehabilitation (project 60029) is funded at \$331,000, but only \$141,100 is needed to complete this project. We have previously transferred \$62,600 to project 60032 (Rainbow Valley WRF Centrifuge) and \$40,000 to project 60020 (Corgett WRF Rehab & Replacement), leaving \$87,300.
- The CCTV Truck (project 60018) is funded at \$630,000 and the PO for the vehicle has been encumbered at \$543,000. The vehicle was scoped fully equipped, and less than \$10,000 will be needed for upfitting once the vehicle is received. We are requesting to transfer \$24,200 from this project.

Background and Previous Actions

Per City of Goodyear Resolution 08-1255, all expenditures of budgeted funds in excess of \$500,000 must obtain council approval. The city has developed and approved a CIP for FY2020 through FY2024. The existing traveling bridge filter at the Rainbow Valley WRF is planned to be replaced in FY2020 per this plan. The filters were designed last fiscal year and the funds being requested are for the construction phase of the project to be completed this fiscal year.

Staff Analysis

The existing traveling bridge filter is over 15 years old and is based on older sand filtration technology. Upon discussions in design review, construction planning, and project cost generation, staff determined newer disc filter technology was the direction to take in this filter replacement project. The disc filters will be the same brand of filters installed at Corgett WRF, which provides for operational consistency and reliability, as well as being the most cost-effective technology to construct. This replacement is necessary to keep treatment operations functional.

Attachments

Contract CON-19-4739-A3