

AGENDA ITEM #: \_\_\_\_\_

DATE: May 11, 2020

CAR #: 2020-6935



## CITY COUNCIL ACTION REPORT

**SUBJECT:** Approve expenditure of \$606,401 for the purchase of a centrifuge for the Goodyear Water Reclamation Facility

**STAFF PRESENTER(S):** Todd Carpenter, Process Operations Manager  
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 of a replacement centrifuge at the Goodyear Water Reclamation Facility using wastewater operating funds.

**Recommendation:**

Approve expenditure of funds in the amount of \$606,401 for a replacement centrifuge, per approved specifications for the Goodyear Water Reclamation Facility (WRF).

**Fiscal Impact:** The FY2020 Capital Improvement Program budget includes \$621,500 in wastewater operating funds for the rehabilitation and replacement program at the Goodyear WRF (project 60027). The centrifuge will take about eight months to build and to be delivered for installation.

### 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 Capital Improvement Program for FY2020 through FY2024. The existing centrifuge at the Goodyear WRF is planned to be replaced in FY2020 per this plan.

### Staff Analysis

The purchase and installation of a new centrifuge at the Goodyear WRF is necessary for processing solids from the treatment facility. The existing centrifuge has reached its life cycle, and is being replaced per our asset management program. This unit has also been re-built two times in the last five years. The precision and tolerances that make this centrifuge work so efficiently and effectively have been diminishing, and as such, reclamation staff added this centrifuge unit to the CIP schedule for replacement.

Per the approved CIP, the centrifuge at the Goodyear WRF is planned to be replaced in FY2020 due to the age of the unit, as well as the annual costs of repairs due to wear and tear from normal solids processing. This replacement is necessary to keep dewatering operations functional as well as keeping the plant in permit compliance.

During the design of the new surface water treatment plant, it was discovered that existing equipment at the Goodyear WRF could be leveraged to process residuals from that facility. Sharing of common facilities reduces the ongoing operation and maintenance cost of individual facilities. The purchase of this centrifuge will coincide with the testing and start-up phases of the new surface water plant starting spring 2021.

## **Attachments**

Contract Amendment 20-5155-A2