



CITY OF NORMAN, OK STAFF REPORT

MEETING DATE: 05/01/2024

REQUESTER: Nathan Madenwald, Utilities Engineer

PRESENTER: Nathan Madenwald, Utilities Engineer

ITEM TITLE: CONSIDERATION OF AUTHORIZATION, APPROVAL, REJECTION, AMENDMENT, AND/OR POSTPONEMENT FOR THE PURCHASE OF LIFT STATION D REPLACEMENT PUMP FROM HAYNES EQUIPMENT COMPANY IN THE AMOUNT OF \$88,445, SOLE SOURCE AUTHORIZATION, AND BUDGET TRANSFER AS OUTLINED IN THE STAFF REPORT.

BACKGROUND:

The Utilities Department for the City of Norman operates and maintains the wastewater collection system and Wastewater Reclamation Facility (WRF). The collection system is comprised of gravity and pressure mains, lift stations, and other appurtenances to convey wastewater flows to the WRF. Lift Station D is the largest station within the collection system, is located within the Little River sewershed and pumps wastewater uphill under pressure into the Canadian River sewershed. Additionally, Lift Station D was designed as the headworks for the potential future North WRF to meet future treatment demands, and has flow equalization basins to store peak flows during wet weather events.

Lift Station D has three pumps that convey the flows through the 16 and 20-inch force main to a gravity sewer interceptor located along 12th Avenue NE and north of Robinson Avenue. Two pumps are sized at 2.52 million gallons per day (MGD) to provide pumping during normal flows and one pump is sized at 6.05 MGD to provide additional capacity during peak wet weather flows. All pumps have variable frequency drives allowing adjustment of the pump speed and resulting pump capacity.

DISCUSSION:

One of the pumps sized for 2.52 MGD failed on December 7, 2023. This pump was installed in 2012 and therefore has been in operation for approximately 12 years. Staff evaluated repair and rehabilitation of the pump but it was determined that full replacement of the pump was warranted due to the age and condition of the existing pump.

For ease of operation and maintenance and to reduce on-hand materials, staff work to standardize pump types and manufacturers. The proposed replacement pump is a Wilo brand

pump which matches the existing pump to be replaced and the other two pumps still in operation. Haynes Equipment Company is sole representative and distributor for Wilo USA for all counties in the State of Oklahoma as documented in the attached letter.

To fund the purchase, a budget transfer in the amount \$90,000 from Sewer Emergency Replacement, Construction (account 32199974-46101 / Project WW0248) into Sewer Emergency Replacement, Materials account (32199974-46301 / WW0248) is proposed. Purchase of the pump would then be out of the Sewer Emergency Replacement materials account.

RECOMMENDATION 1:

Staff recommends purchase of Lift Station D replacement pump in the amount of \$88,445 from Haynes Equipment Company.

RECOMMENDATION 2:

Staff recommends approval of the sole source authorization.

RECOMMENDATION 3:

Staff recommends budget transfer in the amount \$90,000 from Sewer Emergency Replacement, Construction (Account 32199974-46101 / WW0248) into Sewer Emergency Replacement materials account (32199974-46301 / WW0248).