



# City of Norman, OK

Municipal Building  
Council Chambers  
201 West Gray  
Norman, OK 73069

## Master

**File Number: K-2021-50**

**File ID:** K-2021-50      **Type:** Contract      **Status:** Consent Item

**Version:** 1      **Reference:** Item 27      **In Control:** City Council

**Department:** Utilities Department      **Cost:** \$415,000.00      **File Created:** 12/02/2020

**File Name:** WRF Dewatering - Engr Contract      **Final Action:**

**Title:** CONTRACT K-2021-50: A CONTRACT BY AND BETWEEN THE NORMAN UTILITIES AUTHORITY AND GARVER, L.L.C., IN THE AMOUNT OF \$415,000 TO PROVIDE ENGINEERING SERVICES FOR SLUDGE DEWATERING IMPROVEMENTS AT THE NORMAN WATER RECLAMATION FACILITY.

**Notes:** ACTION NEEDED: Acting as the Norman Utilities Authority, motion to approve or reject Contract K-2021-50 with Garver, L.L.C., in the amount of \$415,000; and, if approved, authorize the execution thereof.

ACTION TAKEN: \_\_\_\_\_

**Agenda Date:** 12/08/2020

**Agenda Number:** 27

**Attachments:** K-2021-50 - WRF Dewatering

**Project Manager:** Ken Giannone, Capital Projects Engineer

**Entered by:** nathan.madenwald@normanok.gov

**Effective Date:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/08/2020					

### Text of Legislative File K-2021-50

Body

**BACKGROUND:** Wastewater generated within the City is conveyed to the Water Reclamation Facility (WRF) located at 3450 S Jenkins Avenue where it is treated and discharged to the Canadian River. Multiple treatment processes are used to produce the high-quality effluent water that is discharged. As a byproduct of treatment, biosolids are generated that go through a separate process of thickening, digestion, dewatering and land application for final disposal.

As part of the biosolids process, the WRF currently uses centrifuges that spin at a high rate to get excess water from the biosolids to generate a thicker biosolid. This process reduces the

amount of trucks and staff to land apply these biosolids. The land-applied biosolids provide a benefit to the land owner by providing a free organic amendment to the soil and this method of disposal also benefits the City by providing the lowest cost disposal option.

**DISCUSSION:** The existing dewatering centrifuges have experienced multiple failures and have proven not to be reliable for continued operations. Timely replacement of these units is necessary to allow for efficient operations at the WRF.

Garver, LLC was determined to be the best option to evaluate and design a new dewatering solution for the facility. Garver, LLC was the engineer for the recent expansion and improvement of the WRF to its current condition and they are also working on the indirect potable reuse pilot project at the WRF. Their work on this project will be to evaluate several technologies to determine the best alternative for the City and to then provide design, bidding, construction, and programming services for the project.

Unencumbered funds in the amount of \$500,000 are available in WRF Dewatering Centrifuge Replacement Project design account (WW0326-DESIGN - 32999911-46201). This is sufficient to fund the proposed contract of \$415,000.

**RECOMMENDATION:** Staff recommends the NUA approve Contract K-2021-50 in the amount of \$415,000 with Garver, LLC for engineering services for the Sludge Dewatering Improvements at the Norman Water Reclamation Facility.