



## CITY OF NORMAN, OK STAFF REPORT

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**MEETING DATE:** 01/27/2026

**REQUESTER:** Peter Wolbach

**PRESENTER:** Peter Wolbach, Staff Engineer - Utilities

**ITEM TITLE:** CONSIDERATION OF APPROVAL, REJECTION, AMENDMENT, AND/OR POSTPONEMENT OF CONTRACT K-2526-132: BETWEEN THE NORMAN UTILITIES AUTHORITY AND GARVER, L.L.C., IN THE AMOUNT OF \$76,146 FOR ENGINEERING SERVICES ASSOCIATED WITH THE WATER RECLAMATION FACILITY (WRF) NON-POTABLE REUSE SYSTEM ASSESSMENT PROJECT (WW0211). (Ward 7)

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### **BACKGROUND:**

The Water Reclamation Facility (WRF) has historically utilized a non-potable reuse (NPR) system to supply treated wastewater for on-site uses such as equipment cleaning, maintenance activities, and other operational demands that do not require potable water. Use of the NPR system reduces potable water demand and supports long-term water conservation goals.

Due to operational challenges and significant facility upgrades completed during the Phase 2 WRF Improvements project between 2015 and 2018, the NPR system was taken out of service and was not included in those improvements. Subsequent attempts to restart the system revealed water quality and quantity concerns, and the system has remained offline while potable water continues to be used for on-site operational needs.

On December 10, 2024, the Norman Utilities Authority (NUA) approved Contract K-2425-36 to accept \$500,000 in grant funding from Google, L.L.C., through its Water Stewardship program to support rehabilitation of the WRF NPR system.

As part of that effort, staff identified the need for a comprehensive technical assessment to evaluate the existing system, identify deficiencies, and develop recommendations to restore operability and evaluate additional reuse opportunities.

### **DISCUSSION:**

Staff proposes to engage Garver, L.L.C., to perform a detailed assessment of the WRF non-potable reuse system and evaluate opportunities for expanded on-site reuse. Garver has extensive experience with the City's WRF facilities and reuse systems and is well-positioned to support this work.

The proposed scope of services includes two primary phases:

### **1. Non-Potable Water System Assessment**

- Evaluation of existing non-potable pumps, distribution piping, valves, strainers, backflow preventers, electrical panels, and instrumentation
- Review of record drawings and available operational data
- Identification of potential cross-connection concerns
- Development of a single recommended approach to bring the NPR system back online
- Preparation of a conceptual Class 4 opinion of probable construction cost

### **2. Non-Potable Alternative Evaluation**

- Evaluation of up to three internal WRF locations for expanded non-potable water use, including headworks wash water, lift station equipment wash water, and dewatering equipment wash water
- Analysis of flow and pressure demands
- Net present value analysis over a 20-year period, including O&M considerations
- Conceptual sketches and Class 4 cost opinions for each alternative

All findings and recommendations will be documented in Technical Memoranda and presented to staff through in-person workshops at key milestones.

The fee for the basic scope of services is **\$55,346**, with optional additional services available for evaluation of off-site reuse locations if authorized in the amount \$20,800. Funding for this contract will be paid from the WRF Non-Potable Reuse Grant design account (32993394-46201 / WW0211) which has an available balance of \$500,000.

Completion of this assessment is a critical step toward restoring the NPR system, ensuring regulatory compliance, reducing potable water usage at the WRF, and informing future design and construction decisions.

### **RECOMMENDATION:**

Staff recommends that the NUA approve Contract K-2526-132 with Garver, L.L.C., in the amount of \$76,146 for Engineering Services associated with WRF Non-Potable Reuse System Assessment (WW0211).