



# City of Norman, OK

Municipal Building  
Council Chambers  
201 West Gray  
Norman, OK 73069

## Master

**File Number: GID-1920-28**

**File ID:** GID-1920-28

**Type:** Authorization for Purchase

**Status:** Consent Item

**Version:** 1

**Reference:** Item 14

**In Control:** City Council

**Department:** Utilities Department

**Cost:**

**File Created:** 08/28/2019

**File Name:** Approval for Liquid Polymer Purchases for WRF

**Final Action:**

**Title:** CONSIDERATION OF AUTHORIZATION FOR THE NORMAN UTILITIES AUTHORITY TO PURCHASE POLYMER FROM POLYDYNE, INC., IN THE AMOUNT OF \$1.11 PER POUND FOR THE NORMAN WATER RECLAMATION FACILITY.

**Notes:** ACTION NEEDED: Acting as the Norman Utilities Authority, motion to accept or reject all bids meeting specifications; and, if accepted, award the bid in the amount of \$1.11 per pound to Polydyne, Inc., as the lowest and best bidder meeting all specifications.

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

**Agenda Date:** 09/24/2019

**Agenda Number:**

**Attachments:** Bid Tabulation

**Project Manager:** Steve Hardeman, WRC Superintendent

**Entered by:** kellie.seeds@normanok.gov

**Effective Date:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File GID-1920-28

Body

**BACKGROUND:** In July, polymer vendors were invited to try out their products to determine which product would perform best in the Norman Water Reclamation Facility's centrifuge equipment. Polymer is used in the dewatering and thickening of bio-solids. It used in dewatering to help remove excess water from the bio-solids as the equipment rotates (turns) at a high rate of speed (3600 rounds per minute). The dewatered bio-solids are then transported to land application fields for disposal. In the thickening application, polymer is used to help remove excess water for the purpose of digestion in the anaerobic digesters.

**DISCUSSION:** The following polymer companies were contacted for testing and bidding:

Polydyne Corporation - Riceboro, Georgia  
Fort Bend Manufacturing - Stafford, Texas  
Nalco Corporation - Sugarland, Texas  
Water Tech - McAlester, Oklahoma

Bid packets (Bid# 1920-11) were sent to Water Tech, Nalco, Fort Bend and Polydyne. Nalco and Fort Bend Manufacturing did not submit a bid for consideration. Water Tech and Polydyne formulas worked in thickening waste activated solids as well as dewatered digester solids. Polydyne is less expensive than Water Tech based on cost per pound.

**RECOMMENDATION:** Staff recommends that the Norman Utilities Authority approve the purchase of polymer for sludge dewatering and thickening from Polydyne, Inc. for fiscal year 2019-2020 (FYE 20). Funds for polymer purchases in the amount of \$140,000 are budgeted in NUA Wastewater Fund-Water Reclamation-Biosolids-Operating Chemicals (account 032-5545-432.31-08).