



## **AGENDA MEMORANDUM**

Action Item for the City Council Meeting of April 21, 2020

**DATE:** April 21, 2020

**TO:** Peter Zaroni, City Manager

**FROM:** Kevin Norton, Director of Water Utilities  
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### **Sludge Dewatering Polymer for the Wastewater Treatment Plants**

#### **CAPTION:**

Motion authorizing a two-year supply agreement with Polydyne, Inc., in an amount not to exceed \$790,585.00, for the purchase of Sludge Dewatering Polymer for the Utilities Department, effective upon issuance of notice to proceed, with first-year funding in the amount of \$164,700.00 available in the FY 2020 Wastewater Fund.

#### **SUMMARY:**

This motion authorizes a two-year supply agreement with Polydyne, Inc., for Sludge Dewatering Polymer for the Utilities Department. Polydyne, Inc. was the supplier. This chemical is necessary in the dewatering of digested sludge using belt filter presses and centrifuges at the City's wastewater treatment plants as required by Texas Commission on Environmental Quality (TCEQ) compliance regulations.

#### **BACKGROUND AND FINDINGS:**

The City of Corpus Christi operates six Wastewater Treatment Plants with a combined permitted effluent flow of 43 million gallons per day, resulting in over 5,000 dry tons (40,000 cubic yards) of biosolids per year that must be disposed. Belt filter presses and centrifuges are used at the treatment plants to dewater the biosolids before final disposal at the Cefe Venezuela Landfill. Polymer use in the dewatering process improves the dewatering characteristics of the sludge and reduces its leach potential upon landfill disposal.

The Contracts and Procurement Department conducted a competitive Request for Bid process to obtain bids. The City received one responsive, responsible bid. Staff compared

the cost to bids received in 2019 for this product and determined that the cost is fair and reasonable and is recommending award to Polydyne, Inc., the current supplier and responsive, responsible bidder. Polydyne, Inc. is the manufacturer of this product; therefore, the City would be purchasing the polymer directly from the maker at a minimal price increase per unit from \$1.28 to \$1.31 in comparison to the contract in 2019.

### **ALTERNATIVES:**

There are no alternatives to securing this supply agreement. This chemical is necessary for public health and safety, and to meet TCEQ environmental permit requirements.

### **FISCAL IMPACT:**

The fiscal impact for the Utilities Department for FY 2020 is \$164,700.00 for this two-year supply agreement, with the remaining cost of \$625,885.00 to be budgeted in future years through the annual budget process.

### **FUNDING DETAIL:**

Fund: 4200 Wastewater  
Organization/Activity: 33100 Broadway Wastewater Plant  
Mission Element: 064 Treat Wastewater  
Project # **(CIP Only)**: N/A  
Account: 520010 Purification Chemicals  
Cost: \$37,881.00

Fund: 4200 Wastewater  
Organization/Activity: 33110 Oso Wastewater Plant  
Mission Element: 064 Treat Wastewater  
Project # **(CIP Only)**: N/A  
Account: 520010 Purification Chemicals  
Cost: \$65,880.00

Fund: 4200 Wastewater  
Organization/Activity: 33120 Greenwood Wastewater Plant  
Mission Element: 064 Treat Wastewater  
Project # **(CIP Only)**: N/A  
Account: 520010 Purification Chemicals  
Cost: \$26,352.00

Fund: 4200 Wastewater  
Organization/Activity: 33130 Allison Wastewater Plant  
Mission Element: 064 Treat Wastewater  
Project # **(CIP Only)**: N/A  
Account: 520010 Purification Chemicals  
Cost: \$24,705.00

Fund: 4200 Wastewater  
Organization/Activity: 33140 Laguna Madre Wastewater Plant  
Mission Element: 064 Treat Wastewater  
Project # **(CIP Only)**: N/A  
Account: 520010 Purification Chemicals  
Cost: \$4,941.00

Fund: 4200 Wastewater  
Organization/Activity: 33150 Whitecap Wastewater Plant  
Mission Element: 064 Treat Wastewater  
Project # **(CIP Only)**: N/A  
Account: 520010 Purification Chemicals  
Cost: \$4,941.00

**RECOMMENDATION:**

Staff recommends approval of this motion authorizing a two-year supply agreement with Polydyne, Inc. for Sludge Dewatering Polymer for the Utilities Department.

**LIST OF SUPPORTING DOCUMENTS:**

Supply Agreement  
Bid Tabulation