



CITY COMMISSION STAFF REPORT

DEPARTMENT: Utilities Department

SUBJECT: Motion to Award Contract – Polydyne, Inc.

CITY MANAGER RECOMMENDATION:

The City Manager recommends approval of a contract with Polydyne, Inc. for the supply of a cationic emulsion polymer used in the City’s wastewater treatment process.

BACKGROUND OF ITEM:

Treatment of the City’s wastewater produces three outputs; filtered solids/debris, treated water, and biosolids (also known as sludge). The City generates approximately 6,000 cubic yards of sludge per year, which is disposed of via a licensed contractor who hauls it away and applies it as a fertilizer to sod farms and other approved crops. In order to minimize hauling expenses, the liquid sludge is dosed with a cationic polymer for thickening and then dewatered by the City’s two centrifuges to form a cake that is suitable for transport.

ANALYSIS:

Over the years, Utilities Dept. staff has tested several different polymers and found Polydyne’s Clarifloc SE-1385 product to be the most effective and economical. Based on these results, staff has standardized on this product for sludge thickening.

Staff has procured this product during the past year by utilizing a City of Homestead contract with Polydyne, which was competitively bid in 2019 and renewed in 2020. The renewal expired on September 30, 2021 and Homestead has elected to take advantage of the contract provisions for a second, one-year extension. This proposed contract piggybacks the Homestead renewal.

FISCAL IMPACT:

The contract price is \$1.30 per pound, which is an increase from last year’s price of \$1.20 per pound (the increase is allowed by the contract terms). The treatment process requires approximately 33,000 pounds per year, equating to an annual cost of approximately \$43,000. This price increase was accounted for in the current budget and sufficient funds are available in the Water & Sewer Fund.

<u>General Ledger Acct. Number</u>	<u>Budgeted Amount</u>	<u>Requested Amount</u>	<u>Remaining Amount</u>
450-931-535310-535	\$150,000	\$43,000	\$107,000

ATTACHMENTS:

1. Renewal Approval – City of Homestead
2. Cooper City Renewal Agreement
3. Vendor Compliance - Polydyne