City of Ann Arbor

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Legislation Text

File #: 19-1071, **Version:** 1

Resolution to Approve the Purchase of Polymer from Polydyne, Inc. for the Wastewater Treatment Plant ($229,500.00/year, Estimated)

Your approval is requested to authorize the purchase of polymer from Polydyne Inc. for the City's Wastewater Treatment Plant (WWTP) at an estimated cost of $229,500.00 for FY20 and FY21. The WWTP utilizes two gravity belt thickeners and three dewatering centrifuges to thicken and dewater biosolids for beneficial reuse through land application or disposal in a landfill during winter months. Biosolids are conditioned with polymers to ensure functionality and optimal performance of the gravity belt thickeners and centrifuges, which makes the biosolids acceptable for land application or landfill disposal and lowers the total expense of these management practices.

Plant staff worked with several vendors to test various polymers to ascertain characteristics best suited to the WWTP's biosolids thickening and dewatering equipment once this equipment was installed during capital improvements. After testing and deciding performance requirements, staff advertised for two specific polymers under ITB-4178: SNF Polydyne, Clarifloc CE-1540 polymer and BASF Corp., Zetag 8846FS (US) polymer. Either of the two polymers could be used in both the gravity belt thickeners and the dewatering centrifuges. Therefore, pricing was requested for the same two polymers under ITB-4579 with pricing being firm for two years.

The following suppliers submitted a response to ITB-4579:

    Polydyne Inc
- Clarifloc CE-1540…………$1.02/lb., delivered

    Solenis Corp.
- Zetag 8846FS (US) ………$1.13/lb., delivered

Staff reviewed the bids, compared them to ITB-4579 specifications and recommends that Polydyne, Inc. be approved as the lowest responsible bidder to supply polymer at the WWTP for FY20 and FY21 based on funds being available.

Additionally, WWTP staff recommended that the agreement be extended for up to three one year renewals and any price adjustments for future years be tied to the producer price index for basic chemical manufacturing (PPI code 3251) if the supplier and the City Administrator agree. Approval for subsequent fiscal years is subject to the availability of funding.

Funds to finance this purchase are included in the approved FY20 WWTP Operation and Maintenance budget for the Sewage Disposal System.

Prepared by: Earl J. Kenzie, P.E., Manager, WWTSU
Reviewed by: Craig Hupy, Public Services Area Administrator
Approved by: Howard S. Lazarus, City Administrator

Whereas, The City's Wastewater Treatment Plant (WWTP) requires polymer as an essential component of its biosolids thickening and dewatering systems;

Whereas, Polydyne, Inc. submitted the lowest responsible bid for supplying polymer to the WWTP per the specifications in ITB-4579;

Whereas, Sufficient funds have been budgeted in the approved FY20 WWTP Operations and Maintenance Budget for the Sewage Disposal System and approval for subsequent years is subject to availability of funding;

Whereas, Polydyne, Inc. complies with the requirements of the Non-Discrimination Ordinance;

RESOLVED, That City Council approve a purchase order with Polydyne Inc. for the purchase of polymer in accordance with the terms of ITB-4579 ($1.02/pound delivered);

RESOLVED, That the City Administrator be directed to enter into a purchasing agreement in accordance with this resolution at an estimated cost of $229,500/year for a two year term ending June 30, 2021;

RESOLVED, That the City Administrator be authorized to renew the purchasing agreement for up to three (3), one-year (1) periods after the initial two-year period provided both parties agree to an extension and any price adjustments for future years be tied to the producer price index for basic chemical manufacturing (PPI code 3251), subject to the availability of funding; and

RESOLVED, That the City Administrator be authorized to take all necessary actions to implement this resolution.