



CITY OF PORT ST. LUCIE

Procurement Management Department

"A City for All Ages"

RECOMMENDATION OF AWARD MEMORANDUM

TO: Procurement Management Department
FROM: Todd Leyland, Wastewater Treatment Plant Operations Manager, Utility Systems Department
BID # & NAME: Polydyne Inc., a Foreign corporation – Contract # xxxx – Sole Source
DATE: August 08-23

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PURPOSE: The Utility Systems Department (“USD”) requests approval to contract with Polydyne Inc. as a sole source vendor for the purchase of Polymer to ensure the USD Wastewater Treatment Facilities (“Glades and Westport”) avoid a disruption in the supply of the mandatory chemical composition, Polymer.

BENEFITS TO THE CITY: Both Glades and Westport must use a chemical composition of polymer, unique to the plant’s operations, to maintain regulatory compliance, avoid the costly need for dewatering and operate the plants properly.

BACKGROUND: The USD has purchased polymer since the plants were constructed. Without polymer, the wastewater plants are unable to run properly. There are many different chemical compositions of polymer, but each one must be individually tested against the chemistry of the sludge to which it will be applied. There are no “generics” available for a particular polymer, making polymer a sole source enterprise. The results of those laboratory tests, along with calculations that consider the weight and volume of sludge to be dewatered then dictate to the operations staff whether a given price per unit of polymer will be competitive in the greater operational calculations. As an example, polymer efficiency is one of the parameters that affects throughput rates on the centrifuges → throughput rate has associated electrical, mechanical, and solids costs (rate = wear, tear, and product) → solids capture rate (moisture content) then factors into the cost of hauling away the residuals → once the residuals arrive at the state permitted receiving sites, they must still meet mandated percentages for moisture content. Each of the stages depends heavily on the polymer characteristics but performance must be considered as a part of the overall system unique to each facility.

BEST VALUE ANALYSIS/ JUSTIFICATION: Polymer compositions specific to each of our wastewater plants is needed to operate our wastewater plants properly. This is a sole source. The USD has a history with this vendor.

ESTIMATED EXPENDITURES: Polydyne is offering to supply Clarifloc at \$1.75/lb. The USD anticipates an expenditure of \$350,000 annually.

CONTRACT TIME: Polydyne is offering to hold this price firm until December 31, 2024.

PROVIDE FULL ACCOUNT NUMBER/PROJECT STRING (if applicable): 431-00000-141006

RECOMMENDED ACTION: The Utility Systems Department recommends approving Polydyne as a sole source vendor for Polymer. Polydyne’s current formulas have performed consistently ahead of any competition laboratory testing and pricing comparisons and are open & communicative when it comes to order status and lead times with reliable deliveries.

Approval: _____ 8 /22 /23
Department Head Date

Approval: _____ / /
City Purchasing Agent Date

REQUIRED PER PURCHASING POLICY & PROCEDURE MANUAL PAGE 48 SECTION 7