

## ECUA GENERAL RESOLUTION NO. GR20-32

A GENERAL RESOLUTION AUTHORIZING THE EXTENSION OF THE CONTRACT WITH POLYDYNE, INC., FOR LIQUID POLYMER AND PROVIDING AN EFFECTIVE DATE FOR THE CONTRACT.

BE IT RESOLVED BY THE EMERALD COAST UTILITIES AUTHORITY:

- WHEREAS, Water Reclamation staff utilizes liquid polymer at the Central Water Reclamation Facility (CWRF) to dewater sludge with the screw presses and at the Bayou Marcus Water Reclamation Facility (WRF) to thicken sludge prior to hauling to the CWRF; and
- WHEREAS, the facilities use approximately 455,000 pounds per fiscal year; and
- WHEREAS, the supplier delivers the chemical in bulk quantities to on-site storage facilities at the CWRF, and
- WHEREAS, the supplier delivers the chemical in totes to the Bayou Marcus WRF; and
- WHEREAS, on October 1, 2010, the Emerald Coast Utilities Authority (hereinafter "ECUA") entered into its first annual contract for Liquid Polymer (the "Contract") with Polydyne, Inc., of Riceboro, Georgia; and
- WHEREAS, the current annual Contract expires on September 30, 2020; and
- WHEREAS, ECUA's purchasing procedures allow for "purchases made under the same terms, conditions, prices, and other criteria included in an existing purchasing agreement or contract maintained by a federal, state, or local government entity;" and
- WHEREAS, the price of \$0.93 per pound bulk delivery and \$0.95 per pound for delivery in totes is an existing purchasing contract at another utility in Florida; and
- WHEREAS, the existing purchasing contract at the other utility in Florida was competitively bid; and
- WHEREAS, this will be the tenth consecutive year that the price has not changed; and
- WHEREAS, funds are currently budgeted and available in the FY 2021 operating budget in the amount of approximately \$515,000, which reflects the purchase of up to 551,000 pounds through September 30, 2021; and

NOW THEREFORE, be it resolved by the Emerald Coast Utilities Authority:

SECTION 1. ECUA hereby directs and authorizes the Executive Director to extend the Contract with Polydyne Inc., for Liquid Polymer at the price of \$0.93 per pound for bulk deliveries and \$0.95 per pound for tote delivery, with funding from the appropriate budget line item; and

SECTION 2. This resolution shall take effect upon adoption.

Approved as to form:

Adopted on:

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ECUA General Counsel

ATTEST:

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Amanda Miller, Administrative Coordinator

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Lois Benson, Board Chairman

**Date:** September 15, 2020  
**Account Number:** 4013002-552311: Chemical – Polymer  
4013004-552311: Chemical – Polymer  
**Amount:** FY 2021 - \$85,000  
FY 2021 - \$430,000  
**Type of Resolution:** General Resolution

**EXPLANATION TO ECUA BOARD**

**Originating Department:** Water Reclamation

**REMARKS:** Liquid polymers from manufacturers have different chemistries to coagulate solids in the dewatering processes used at the CWRP and Bayou Marcus WRF. This leads to the cost per pound of products being significantly different. It is only with field trials that the annual cost and efficacy of a polymer can be determined as some products will be significantly more expensive but use less product. These trials may demonstrate that a higher cost product will lead to overall savings and, therefore, ECUA cannot follow its normal bidding process.

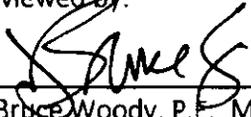
Water Reclamation staff have routinely requested manufacturers to test their products with most turning down the opportunity because they cannot compete with the unit prices that ECUA currently pays. However, two manufacturers did perform bench-top testing this year. One of those manufacturers proceeded to a short full-scale trial. The results of this trial were unclear as to whether there would be a cost savings to the ECUA or not as their product is 48% more expensive on a per unit basis, but requires less volume of product. A longer trial is needed to ensure the benefit to the ECUA both financially and operationally.

As the market trend shows continuously increasing prices for polymers, the ability for the Polydyne contract to hold a consistent price per pound for ten consecutive years demonstrates a benefit to the ECUA and its ratepayers.

Submitted by:

  
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Randy Sears, Jr., M.S., M.S.A.  
Director of Water Reclamation  
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Reviewed by:

  
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J. Bruce Woody, P.E., M.P.A.  
Executive Director