



**BOARD OF SUPERVISORS AGENDA ITEM REPORT**  
**CONTRACTS / AWARDS / GRANTS**

Requested Board Meeting Date: 10/18/2016

or Procurement Director Award

**Contractor/Vendor Name (DBA):** Polydyne, Inc.

**Project Title/Description:**

Polymer

**Purpose:**

Ratification of Amendment of Award: Master Agreement No. MA-PO-16-077. This revision increases the annual award amount by \$259,740.00 to \$650,000.00. Administering Department: Regional Wastewater Reclamation.

This revision increases the annual award amount due to unanticipated increases in polymer usage. There is no change to the unit price of the Polymer.

Immediate approval of the annual award increase by the Board of Supervisors Chair was requested by the Regional Wastewater Reclamation Department to allow for continued purchase of Polymer and uninterrupted effluent treatment. Since that approval was granted, this request is for ratification of the revision of award by the entire Board of Supervisors.

**Procurement Method:**

Pursuant to Invitation For Bid No 188984, on December 15, 2015, the Board of Supervisors awarded a Master Agreement for Polymer in the annual amount of \$390,260.00. The award also included four (4) optional renewals.

The success of the water reclamation process depends on separating the particulate and colloidal solids from the influent wastewater and separating the biological organisms which grow in the process of consuming the biodegradable pollutants. The separation of these particulates and the biological organisms is effected in two phases. The first phase is the physical settling of the colloidal and particulate matter forming the primary and the waste activated sludge. This sludge requires further separation of the solids necessitating the utilization of polymers and resulting in a thicker sludge. The polymers are electrolytes consisting of long-chain organic molecules. These polymers possess the ability to attract and absorb colloidal and suspended solid particles, making them easier to remove from the water that is being reclaimed. Without the utilization of these polymers water reclamation facilities would not be in compliance with State and federal requirements, and the volume of sludge to be managed to its final disposition would make it far costly to achieve the water reclamation process.

The volume of the feed sludge to be thickened and dewatered had increased from an average daily of 246,000 to 330,000 gallons per day, between the period April 2014 and April 2016. The feed digested sludge percent concentration had decreased from 3.8 % to 2.4%, therefore requiring higher feed of polymer to dewater to the required solids content. In addition, the Tres Rios dewatering operation between 2015 and 2016 has shifted from predominantly thickened biosolids at 6.9 % solids content to a dewatered cake biosolids at 17% solids content.

Pima County Regional Wastewater Reclamation Department upgrade of its regional Water Reclamation Facilities (WRFs) improved the quality of its reclaimed water by further removing solids and nutrients from the influent wastewater to its facilities. The upgrade diverted 1,349 dry ton sludge per year from the effluent going into the Tucson water reclaim system and discharged into the Santa Cruz River each year. At the same time, the upgraded facilities processed an increasing annual solids load to the headworks of 2,982 dry ton sludge per year. Combined, the diverted solids from the effluent and the added solids into the headworks contributed to an added solids burden of 4,331 dry ton solids per year.

Attachments: Ratification Request Cover Letter and Master Agreement.

Procure Dept 09/30/16 RM0949

**Program Goals/Predicted Outcomes:**

The management and preparation of Pima County biosolids generated at the regional wastewater reclamation facilities requires the utilization of polymer to reduce sludge volume, perform anaerobic digestion, transport the final biosolids product and helps provide beneficial use of the biosolids.

**Public Benefit:**

The polymers eliminate the need to construct new digesters, reduces the number of hauling truck loads and minimizes the cost of managing the biosolids.

**Metrics Available to Measure Performance:**

- Percent solids reduction in thickened waste activated sludge.
- Percent solids reduction in dewatered Class B Biosolids.
- Minimal percent solids in the centrate and filtrate.
- Pumpability of the thickened waste activated sludge and dewatered biosolids.

**Retroactive:**

No

**Original Information**

Document Type: \_\_\_\_\_ Department Code: \_\_\_\_\_ Contract Number (i.e., 15-123): \_\_\_\_\_

Effective Date: \_\_\_\_\_ Termination Date: \_\_\_\_\_ Prior Contract Number (Synergen/CMS): \_\_\_\_\_

Expense Amount: \$ \_\_\_\_\_  Revenue Amount: \$ \_\_\_\_\_

Funding Source(s): \_\_\_\_\_

Cost to Pima County General Fund: \_\_\_\_\_

Contract is fully or partially funded with Federal Funds?  Yes  No  Not Applicable to Grant Awards

Were insurance or indemnity clauses modified?  Yes  No  Not Applicable to Grant Awards

Vendor is using a Social Security Number?  Yes  No  Not Applicable to Grant Awards

If Yes, attach the required form per Administrative Procedure 22-73.

**Amendment Information**

Document Type: MA Department Code: PO Contract Number (i.e., 15-123): 16-077

Amendment No.: \_\_\_\_\_ AMS Version No.: 4

Effective Date: 09/26/2016 New Termination Date: 12/14/2016

Expense  Revenue  Increase  Decrease Amount This Amendment: \$259,740.00

Funding Source(s): Enterprise Fund

Cost to Pima County General Fund: \$0.00

Contact: Keith E. Rogers *Are why 9/28/16*

Department: Procurement *Maggie 9/23/16* Telephone: 724-3542

Department Director Signature/Date: *[Signature]* 9/23/16

Deputy County Administrator Signature/Date: *[Signature]* 9/28/16

County Administrator Signature/Date: *C. DeWitt* 9/28/16  
*(Required for Board Agenda/Addendum Items)*

## MEMORANDUM

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**Date:** September 26, 2016

**To:** Honorable Chair Bronson, Pima County Board of Supervisors


**From:** Mary Jo Furphy, Procurement Director *MF*

**Re:** Master Agreement No. MA-PO-16-077, Award Amendment Ratification Request

Master Agreement No. MA-PO-16-077 was awarded by the Board of Supervisors on December 15, 2015 for the purchase of Polymer used by the Regional Wastewater Reclamation Department (RWRD) in the effluent treatment process. The award was for a period of one (1) year with four (4) optional one-year renewal periods and the annual award amount was \$390,260.00.

During the past year, effluent treatment requirements have changed dramatically, requiring increased usage of Polymer, and the original award amount is no longer sufficient to sustain operations. Due to this dramatic change in Polymer usage the available balance on the master agreement is insufficient to allow additional purchases prior to the October 18, 2016 Board Meeting. Therefore, RWRD is requesting that the annual award amount be immediately increased to \$650,000 under the authority of the Chair with ratification of the annual award increase to follow at the Board of Supervisors' Meeting on October 18, 2016.

Your approval is requested.



Sharon Bronson, Chair, Pima County Board of Supervisors

*9.26.2016*

Date

Attachment



# MASTER AGREEMENT

## PIMA COUNTY, ARIZONA

**THIS IS NOT AN ORDER - TRANSMISSION CONSTITUTES CONTRACT EXECUTION**

Master Agreement No: 16000000000000000077

MA Version: 4

Page: 1

Description: Polymer

<b>I S S U E R</b>	<p>Pima County Procurement Department 130 W. Congress St. 3rd Fl Tucson AZ 85701</p> <p><b>Issued By:</b> KEITH ROGERS <b>Phone:</b> 5207243542 <b>Email:</b> keith.rogers@pima.gov</p>
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<b>T E R M S</b>	<p><b>Initiation Date:</b> 09-26-2016 <b>Expiration Date:</b> 12-14-2016</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="padding: 2px;"><b>NTE Amount:</b></td> <td style="padding: 2px; text-align: right;"><b>\$650,000.00</b></td> </tr> <tr> <td style="padding: 2px;"><b>Used Amount:</b></td> <td style="padding: 2px; text-align: right;"><b>\$384,280.10</b></td> </tr> </table>	<b>NTE Amount:</b>	<b>\$650,000.00</b>	<b>Used Amount:</b>	<b>\$384,280.10</b>
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<b>Used Amount:</b>	<b>\$384,280.10</b>				

<b>V E N D O R</b>	<p><b>POLYDYNE INC</b></p> <p><b>PO BOX 404642</b></p> <p><b>ATLANTA GA 30384</b></p>	<p><b>Contact:</b> RANDAL VICKERY <b>Phone:</b> 912-880-2035 <b>Email:</b> polybiddpt@snfhc.com <b>Terms:</b> 0.0000 % <b>Days:</b> 30</p>
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<b>Shipping Method:</b>	Vendor Method
<b>Delivery Type:</b>	STANDARD GROUND
<b>FOB:</b>	FOB Dest, Freight Prepaid
<b>Modification Reason</b>	
Increases the annual award amount by \$259,740.00 to \$650,000.00.	

**This Master Agreement incorporates the attached documents, and by reference all instructions, Standard Terms and Conditions, Special Terms and Conditions, and requirements that are included in or referenced by the solicitation documents used to establish this agreement. All Transactions and conduct are required to conform to these documents.**



# MASTER AGREEMENT DETAILS

Master Agreement No: 16000000000000000077

MA Version: 4

Page: 2

Line	Description					
1	Polymer					
	Service Contract Amt			Service From	Service To	
	\$0.00			--	--	
2	Polymer - Clarifloc WE-1524					
	Discount	UOM	Unit Price	Stock Code	VPN	MPN
	0.0000 %	LB	\$1.3			
3	Polymer - Clarifloc C-9545					
	Discount	UOM	Unit Price	Stock Code	VPN	MPN
	0.0000 %	LB	\$1.2			
4	Polymer - Clarifloc WE-962					
	Discount	UOM	Unit Price	Stock Code	VPN	MPN
	0.0000 %	LB	\$1.2			