

BOARD OF SUPERVISORS AGENDA ITEM REPORT CONTRACTS / AWARDS / GRANTS

Requested Board Meeting Date: 07/06/21

* = Mandatory, information must be provided

or Procurement Director Award

*Contractor/Vendor Name/Grantor (DBA):

The Ashton Company, Inc., Contractors and Engineers

*Project Title/Description:

Design-Build Services For: TRWRF BioGas Cleaning & Utilization Project (3GAS18)

*Purpose:

Amendment: Contract No. CT-WW-18-423, Amendment No. Six (6). This amendment extends the term of the contract to 12/31/21 and incorporates a revised project schedule to establish a firm substantial completion date. Administering Department: Regional Wastewater Reclamation.

*Procurement Method:

Pursuant to Solicitation for Qualifications No. 285645, on 07/03/18, the Board of Supervisors awarded a contract for design and preconstruction services for this project in the amount of \$663,552.00 for a contract term of 07/03/18 to 12/31/20.

Amendment No. One (1), totaling \$7,730,608.91 was approved by the Board of Supervisors to incorporate GMP-1.

Amendment No. Two (2), totaling \$4,228,069.46 was approved by the Board of Supervisors to incorporate GMP-2.

Amendment No. Three (3) was approved by the Procurement Director to extend the contract term.

Amendment No. Four (4) was approved by the Procurement Director to increase the contract amount by \$200,000.00 for a not-to-exceed amount of \$12,822,230.37.

Amendment No. Five (5) was approved by the Procurement Director to extend the contract term.

Attachment: Amendment No. Six (6).

*Program Goals/Predicted Outcomes:

This program will provide a means of cleaning to "pipeline quality" the biogas created by the anaerobic digestion of the wastewater solids and injecting it into the Southwest Gas system for use as a renewable resource.

*Public Benefit:

This program will create a revenue stream by selling the gas in the marketplace. This program also affirms a commitment to Pima County's philosophy of sustainability by creating Renewable Natural Gas (RNG) for reuse.

*Metrics Available to Measure Performance:

The success of this project will be measured by providing clean biogas that meets Southwest Gas specifications (RNG) and by the return on the capital investment through the revenue generated.

*Retroactive:

No

TO: COB 6-30-21 W NUS: 32

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Friedrich (16/30/22] PKO1 :45

MANTAMONIFICAL

COntract / Award Information	•	
Document Type: Department	t Code:	Contract Number (i.e.,15-123):
Commencement Date: Terminatio	n Date:	Prior Contract Number (Synergen/CMS):
Expense Amount: \$*		Revenue Amount: \$
*Funding Source(s) required:		
Funding from General Fund?	If Yes \$	%
Contract is fully or partially funded with Federa If Yes, is the Contract to a vendor or subred	•	□ No
Were insurance or indemnity clauses modified	?	□ No
If Yes, attach Risk's approval.		
Vendor is using a Social Security Number?	☐ Yes	□ No
If Yes, attach the required form per Administrat	ive Procedure 22-10.	
Amendment / Revised Award Information		
	Code: WW	Contract Number (i.e.,15-123): 18-423
Amendment No.: Six (6)	AMS Ve	ersion No.: Thirty-Two (32)
Commencement Date: 07/06/21	New Te	rmination Date: 12/31/21
	Prior Co	ontract No. (Synergen/CMS):
● Expense or ← Revenue ← Increase ←	Decrease Amount	This Amendment: \$ 0.00
Is there revenue included?	If Yes \$	·
*Funding Source(s) required: Regional Waster	water Reclamation departm	nent Obligations
Funding from General Fund? Yes • No	If Yes \$	%

Grant/Amendment Information (for grants ac	•	Award Amendment
Document Type: Department	Code:	Grant Number (i.e.,15-123):
Commencement Date: Term	ination Date:	Amendment Number:
☐ Match Amount: \$	Reve	enue Amount: \$
*All Funding Source(s) required:		
*Match funding from General Fund? CYe	s CNo If Yes \$	<u></u> %
*Match funding from other sources? Ye	s CNo If Yes\$	<u></u> %
*Funding Source:		
*If Federal funds are received, is funding con Federal government or passed through other	•	
Contact: Keith E. Rogers Digitally signed by Keith E. Rogers Date: 2021.06.17 13:14:19 -07'00		Scott Loomis Digitally signed by Scott Loomis Date: 2021.06.17 13:34:49
	CEr Digitally signed by Terri Spencer Date: 2021.06.17 18:13:20 -07'00'	Telephone: 520-724-3542
Department, Froutement Form Open	Dato. 2021.00.17 10.19.20 -07.00	
Department Director Signature/Date:	to harle	6/18/21
Department Director Signature/Date:	to farte	6/18/21
Deputy County Administrator Signature/Date:	the factor of the same of the	6/18/21
	C Dec	6/18/21 Celleur 6/24/2021

Revised 5/2020

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PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT

PROJECT:

Design-Build Services for: TRWRF BioGas Cleaning & Utilization Project

(3GAS18)

CONSULTANT:

The Ashton Company, Inc., Contractors and Engineers

P.O. Box 26927 Tucson, AZ 85726

CONTRACT NO.:

CT-WW-18-423

AMENDMENT NO.: Six (6)

Orig. Contract Term: 07/03/18 – 12/31/20 Termination Date Prior Amendment: 07/15/21 Orig. Amount:

663,552.00

Termination Date This Amendment: 12/31/21

Prior Amendments Amount: \$12,158,678.37 This Amendment Amount:

Revised Total Amount:

\$12,822,230.37

\$

CONTRACT AMENDMENT

The parties agree to amend the above-referenced contract as follows:

1. Background and Purpose.

- 1.1. <u>Background</u>. On July 3, 2018, County and Design-Builder entered into the above referenced agreement to provide Design-Build Services for the Tres Rios Wastewater Reclamation Facility (TRWRF) BioGas Cleaning and Utilization project.
- 1.2. Purpose. Construction of the project is complete and the startup and commissioning phase of the project is in progress. Completion of the project has been delayed substantially. This amendment incorporates a final project schedule which the Parties agree establishes August 26, 2021 as the date of Substantial Completion.
- 2. Effective Date, Term, and Schedule. Subsection 2.2 Term, is replaced in its entirety with: "Unless otherwise terminated or extended, in writing, pursuant to other provisions of this contract, the Term of this contract extends to December 31, 2021."
- Exhibit A Phase 2 Construction Services GMP-2. The parties agree to replace 3. Exhibit A - Revised Project Schedule - GMP-2 (4 pages) with Exhibit A - Final Project Schedule - Contract Amendment Six (6) (4 pages), which establishes August 26, 2021 as the date of Substantial Completion).

Contract No.: CT-WW-18-423-AM6

All other provisions of the Contract not specifically changed by this Amendment remain in effect and are binding upon the parties.

PIMA COUNTY	DESIGN	I-BUILÍ	DER		
	C.C.	D->-			
Chair, Board of Supervisors	Signature	-			
	Chris R	ogers		President	
Date	Name an 6/30/21		Please	Print)	
	Date	·			
ATTEST:		•			
Clerk of the Board					
APPROVED AS TO FORM:					
Stoney					
Deputy County Attorney Stacey Roseberry					
Printed Name					
6/23/2021 Date					•

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	Notice to Proceed	1 day	Wed 8/1/18	Wed 8/1/18		•		•									
2	Workshops	249 days	Tue 8/7/18	Fri 7/19/19				1									
	Equipment Vendor Selection	31 days	Wed 10/17/18	3 Wed 11/28/18						•	• *				·		
	Design/Construction Documents	258 days	Thu 12/6/18	Mon 12/2/19													
32	GMP #1 Procurement	345 days	Thu 11/29/18	Fri 3/27/20		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
	GMP #2 Procurement	279 days	Thu 8/1/19	Mon 8/31/20													
57	GMP Negotiation (Based on 90% GMP)	15 days	Mon 11/4/19	Fri 11/22/19					\$6665;								
58	Board Approval	1 day	Tue 12/17/19	Tue 12/17/19					¥.								
59	Construction Agreement Executed	10 days	Wed 12/18/19	Tue 12/31/19					Ž.	· ·							
60	Equipment Vendor	279 days	Thu 8/1/19	Mon 8/31/20				E		1							
61	Gas Analyzer Panels (ASaP)	181 days	Thu 8/1/19	Mon 4/13/20													
62	Production and Fabrication of Equipment	176 days	Thu 8/1/19	Mon 4/6/20				1			§ ∙;						
63	Equipment Shipped	4 days	Tue 4/7/20	Fri 4/10/20					-		Z						
64	Equipment Received on Site	1 day	Mon 4/13/20	Mon 4/13/20							**						
65	Industrial Control Panel (DG) CP 87 A	254 days	Thu 8/1/19	Mon 7/27/20									-				
66	Production and Fabrication of Equipment	242 days	Thu 8/1/19	Thu 7/9/20				2444444444				666b.					
67	Equipment Shipped	6 days	Fri 7/10/20	Fri 7/17/20								Ň,					
68	Equipment Received on Site	6 days	Mon 7/20/20									×					
69	Dehydration Skid (Granite Fuel)	•	Thu 8/1/19	Mon 5/4/20													
73	Chiller and Cooling Skid (Johnson Controls)		Thu 8/1/19	Tue 3/10/20													
77	Ferrosorp & AC Vessels (Marks)		Thu 8/1/19	Mon 6/29/20													
78	Production and Fabrication of Equipment		Thu 8/1/19	Mon 6/15/20				Managara									
79	Equipment Shipped	9 days		Fri 6/26/20				***************************************		Ĭ .	ì	4					
80	Equipment Received on Site	1 day	Mon 6/29/20								*						
81	Sales Gas Compressor (SAFE)		Thu 8/1/19	Mon 8/31/20				g				*:					
82	Production and Fabrication of Equipment	238 days	Thu 8/1/19	Thu 7/2/20		1.		Exp. (100 to 100					*	1			
83	Equipment Shipped	40 days		Fri 8/28/20	* 4			£2200000000000000000000000000000000000									
84	Equipment Received on Site	1 day	··														
85	, ,		Mon 8/31/20									8					
89	Feed Gas Compressor (Vilter) MS Skid (Westra)		Thu 8/1/19	Mon 5/18/20				b			andonomen.						
93	AC Media (BION)	211 days	Thu 8/1/19	Tue 5/26/20				B	i i								
97	d	11 days	Mon 3/23/20								'						
101	Ferrosorp Media (Interra Global)	-	Thu 8/1/19	Tue 3/31/20													
101	Programming Equipment (Industrial PC Pro) CP 87 A	94.25 days	Mon 4/6/20	Tue 8/18/20				•		l							
102	Production and Fabrication of Equipment	16 days	Mon 4/6/20	Mon 4/27/20													
103	Equipment Shipped	16 days	the state of the s	Mon 4/27/20							teent j						
104	Equipment Snipped Equipment Received on Site	52 days 27 days		Fri 7/10/20 Tue 8/18/20					-		(2)	2000					
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106	Electrical Gear		4	Fri 6/18/21		\3 5	NACO CALCO DE CONTROL	Market Control of State (Landson			State State Control of the Control o				***************************************	Billion Commission of the Comm	
107			Thu 1/2/20	Mon 2/22/21	•					*							
108	Assemble and Submitt MCC Gear	75 days	Thu 1/2/20	Thu 4/16/20							## <u>}</u>						
108	Approval of MCC Gear Submittal	15 days	Fri 4/17/20	Thu 5/7/20							Elect ₎						
110	Instrumentation Submittal Approval	1,4 days	Mon 3/16/20							_ 2003) 🗼						
111	Order, Fabricate, & Ship MCC Gear	•	Fri 5/8/20	Tue 11/10/20							4	2.5					
112	Order, Fabricate, & Ship Transformers for Area 87	•	Fri 5/8/20	Fri 1/29/21							Processor .						
113	Order, Fabricate, & Ship MV Gear		Fri 5/8/20	Wed 11/11/20	•						<u> </u>		suspection of the control of the con				
113	Order, Fabricate, & Ship PLC's for Area 87	150 days	FFI 5/8/20	Thu 12/10/20	•						<u> </u>			<u> </u>	_L		
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114	Order, Fabricate, & Ship PLC for Area 20 Material Delays Due to Covid-19 Valves, and Fittings, JOHN ZINK EQUIPMENT, M.O.P.O.	200 days 147 days	Fri 5/8/20 Wed 7/1/20	Mon 2/22/21 Fri 1/29/21					***************************************			
116	Area 20 - H2S Removal	303 days	Thu 1/2/20	Thu 3/11/21								
117	Site prep & UG utilities	80 days	Thu 1/2/20	Thu 4/23/20				ř				
118	Underground Conduit & Grounding	56 days	Mon 3/16/20							-		
119 120	H2S Removal & Dehydration Foundations	28 days	Wed 1/29/20					*				
121	Pressure Reducing Station Pad Light Pole Bases	5 days 6 days	Wed 5/27/20 Mon 5/18/20						¥			
122	Trench Drain	57 days	Tue 6/23/20	Fri 9/11/20					`P\$	Y		
123	Headwalls & Shotcreet @ Drainage	6 days	Mon 9/14/20							ă		
124	Set Tanks and skid	4 days	Tue 6/30/20	Mon 7/6/20						ă —		
125	Supports for Rack Piping		Mon 5/11/20						≱#			
126	Piping at H2S Area		s Mon 4/6/20	Tue 12/1/20					→ ***		•	
127	Cooling Water Piping	20 days	Wed 6/3/20	Wed 10/14/20					*≯£			
128	Piping to Flair	24 days	Tue 9/22/20	Fri 10/23/20				and the second s	4 .	» 11		
129 130	Flair Modifications	15 days	Mon 2/1/21	Fri 2/19/21				-				
131	Oxygen Storage & Tubing AG Conduits	18 days 15 days	Tue 2/16/21 Tue 2/16/21	Thu 3/11/21 Thu 3/11/21)	·
132	Instruments and Controls	15 days 10 days	Tue 2/16/21 Tue 2/9/21	Mon 2/22/21								
133	Junction Boxes	10 days	Tue 2/23/21	Mon 3/8/21						******		
134	Install PLC	2 days	Fri 2/12/21	Mon 2/15/21							> ≇√	
135	Power & Controls - Wire and Term Delays with Panel 810		Tue 2/16/21	Tue 2/23/21							¥	
136	Finish Grade and DG Site	2 days	Mon 9/14/20							T ·		
137	Area 87 - Biogas facility	554 days		Mon 4/12/21								
138 139	Sound Wall Foundation	3 days	Wed 12/11/19					> \$		www		
140	Sound wall @ School Site prep & Fence Removal	7 days 5 days	Thu 1/9/20 Mon 1/20/20	Fri 1/17/20				***************************************				
141	Underground Utilities	17 days	Wed 2/5/20	Fri 2/28/20					:			
142	Grounding	12 days	Mon 3/25/19			· •						
143	Underground Conduit	45 days	Mon 6/1/20	Mon 8/3/20					.>=			
144	Light Pole Bases	4 days	Tue 8/4/20	Fri 8/7/20						ž .		
145	Chiller Foundation	3 days	Thu 2/14/19	Mon 2/18/19		14.				ACCOUNTS OF THE PERSON OF THE		
146	Active Carbon Foundation	2 days	Wed 3/4/20	Thu 3/5/20					\$ - · · · · · · · · · · · · · · · · · ·			
147 148	Membrane Feed Compressor Foundation Oil Cooler Foundation		Fri 3/6/20	Mon 3/9/20						voca-		
149	Oil Cooler Foundation Filtration Condensate & Membrane Foundation	2 days 2 days	Mon 3/9/20 Tue 3/10/20	Tue 3/10/20 Wed 3/11/20				•	*			
150	Product Gas Compressor Foundation	2 days	Wed 3/11/20						*	, constant		
151	Instrumentation Air Compressor Foundation	15 days	Wed 7/8/20	Tue 7/28/20					.~	=		
152	Pipe Support Foundations Due to Southwest Gas	15 days	Wed 7/8/20	Tue 7/28/20								
153	Transformer Pads	5 days	Mon 3/16/20	Fri 3/20/20					·>#			
154	Tanks and Skids	5 days	Tue 6/30/20							X		
155	Process Gas Compressor		Tue 9/1/20	Wed 9/2/20				•		ř		
156	Pipe supports	10 days	Wed 7/29/20	ere e i a allere din nasione e con-						M		-
157	Process Piping	86 days	Tue 9/22/20	Mon 1/25/21			······			Y		
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59 AG Conduits		14 days	Mon 2/1/21	Thu 2/18/21							Y	
60 Instruments		10 days	Thu 1/21/21	Thu 2/4/21							Y.	
61 Disconnects and Bo	exes	10 days	Tue 11/10/20	Thu 2/11/21							>B	
62 Power & Controls -		44 days	Wed 1/6/21	Mon 3/8/21						~	}	
63 Excavate for SW G		9 days	Thu 9/3/20	Wed 9/16/20						ě.		
64 Backfill for SW Gas		35 days	Fri 9/11/20	Tue 11/3/20						b) someone	*	
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66 Grade and Pave 67 Finish Grade and E	C Sito	26 days 9 days	Thu 1/21/21	Wed 1/20/21								
68 Fencing	a site	3 days	1	Fri 2/5/21							7	
69 Analyzer and Electric	al Building	282 days	Tue 2/18/20	Fri 3/26/21					***************************************	***************************************		and and and
70 Underslab Conduit		75 days	Tue 2/18/20	Tue 6/2/20				*	1			
71 Underslab Plumbin		7 days	Wed 6/3/20	Thu 6/11/20					Ĭ.			
72 Building Foundatio	· .	17 days	Mon 6/8/20	Mon 7/6/20								
73 Door Stoops and W		3 days	Tue 7/14/20	Fri 7/17/20						R.		
74 Masonry walls		6 days	Mon 7/6/20	Tue 7/14/20						*		
75 Roof & Awning Stri	ictural ·	15 days	Tue 7/14/20	Tue 8/4/20								
76 Housekeeping Pad		4 days	Tue 8/4/20	Mon 8/10/20						78		
77 Roofing Membra	ne	4 days	Tue 8/4/20	Mon 8/10/20						ă.		
78 EIFS		3 days	Mon 8/17/20							<u>)</u>		
79 Doors & HARDW	ARE	3 days	Mon 8/17/20							*		
80 Floor Coating		Z days	Mon 5/3/21							.38		
81 Metal Studs 82 Plumbing rough-in		14 days		Thu 9/10/20								
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 63 Gypsum Board Wa 84 Texture and paint 		6 days 5 days	Mon 4/26/21	Fri 9/25/20 Fri 4/30/21			•			B###		
85 HVAC		3 days	····	Tue 10/6/20	-					> ₩:1		121
86 Drop ceiling		5 days	Thu 2/18/21],[
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88 Install MCC Gear in		3 days		Wed 11/11/20								TŤ
89 Install MV Switch G	еаг	3 days		Mon 11/9/20				•			# *	
90 Install PLC		3 days	Wed 3/17/21								N.	
91 Install Distribution	Panels	7 days	Thu 9/17/20	Fri 2/26/21						¥1		
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93 Interconnecting Co		10 days	Wed 11/11/20								>₩	
 94 Lighting & Convient 95 Install FA. PA & Sec 		1 day	Fri 3/19/21	Fri 3/19/21							``	1
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 96 MV Wire and Term 97 LV Wire and Termin 		10 days 2 days	Tue 2/2/21 Fri 2/12/21	Mon 2/15/21 Mon 2/15/21	T						7	1
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01 Wires from Product (Controls)	Compressor to Building 87 (Power &	9 days	Wed 3/3/21	Mon 3/15/21	-							Ti
02 Lightening Protection	· •	5 days	Wed 2/24/21	Tue 3/2/21			**					1
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Pipe Cleaning	ON ON ON ASHTON ASHTON,CANF DMT DMT/ASHTON DMT CANFIELD ZNK
Pipe Cleaning 6 days	ON ON ON ASHTON ASHTON,CANF DMT DMT/ASHTON DMT CANFIELD ZNK
Loop checks	ON ON ON ASHTON ASHTON,CANF DMT DMT/ASHTON DMT CANFIELD ZNK
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98 02 STORAGE CABINET 1 day Wed 3/3/21 Wed 3/3/21 10 HZS REMOVAL MASS FLOW CONTROLLER 1 day Tue 5/4/21 Tue 5/	ASHTON ASHTON,CANF DMT DMT DMT CANFIELD VZINK
H2S REMOVAL MASS FLOW CONTROLLER	ASHTON ASHTON,CANF DMT DMT/ASHTON DMT CANFIELD ZINK
Modification to Loop Drawings and Wiring	ASHTON,CANF DMT DMT DMT CANFIELD VZINK
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DEHYDRATION SKID 1 day Web 5/5/21 Web 5/5/21 Web 5/5/21 Web 5/5/21 Web 5/5/21 Web 5/5/21 DEFYDRATION SKID 1 day Web 5/5/21 Web 5/5/21 Web 5/5/21 Web 5/5/21 Web 5/5/21 Web 5/5/21 Thu 5/6/21 JOHN ZINK CANDLE STICKS 4 days The 3/6/21 Thu 5/6/21 Thu 5/	DMT/ASHTON DMT CANFIELD ZINK
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JOHN ZINK CANDLE STICKS 4 days Tue 3/2/21 Fri 3/5/21 AREA 87 WORK COLD START UP 93 days Wed 2/10/21 Thu 5/13/21 TRANSFORMER/MCC START-UP EATON 10 days Field COMPRESSOR VILTER 1 day Fri 5/7/21 Fri 5/7/21 MS SKID 2 days Mon 5/10/21 Tue 5/11/21 CP 87 A 2 days Wed 5/12/21 Thu 5/13/21 CP 87 B 2 days Wed 5/12/21 Wed 5/12/21 PRODUCT SAFE COMPRESSOR 1 day Wed 5/12/21 Wed 5/12/21 GQA830 ANALZER 1 day Thu 5/13/21 Thu 5/13/21 GAS CHROMOTOGRAGH 840 ANALZER 6 days Wed 5/12/21 MOV MBFV-1101-01 1 day Wed 5/12/21 MOV MBFV-1101-01 1 day Wed 5/12/21 MOV MBFV-1101-01 1 day Thu 5/13/21 Thu 5/13/21 MOV MBFV-1101-01 1 day Thu 5/13/21 Thu 5/13/21 DESTORAGE CABINET 1 day Thu 5/13/21 Thu 5/13/21 DESTORAGE CABINET 1 day Fri 5/14/21 Fri 5/14/21 DEHYDRATION SKID 1 day Fri 5/14/21 Fri 5/14/21	DMT
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