

**EXHIBIT N**

**LUMP SUM AMENDMENT AGREEMENT FORM**

Pursuant to Sections 3B and 5A of the Design Build Agreement, dated **May 11, 2021**, between Pinellas County, Florida (“Owner”) and Rocha Controls “Design Builder”), for the design and construction of the (“Project”), Owner and Design Builder establish the Lump Sum Price and Contract Time for all the Work as set forth below:

**ARTICLE 1**

**SCOPE OF WORK**

The scope of the Work consists of the design and construction of the Project in accordance with the Agreement, this Amendment and other Contract Documents listed as Attachments 1 through 6 below, which are hereby incorporated into and made a part of the Amendment by this reference:

Attachment Number	Description	Pages
1.	List of Drawings and Specifications	13
2.	Schedule of Values	11
3.	Clarifications, & Exclusions	1
4.	Completion Schedule	2
5.	List of Subcontractors and Major Suppliers	1
6.	Allowances	1

## DIRECT PURCHASES

The Owner, at its sole discretion, may elect to directly purchase materials and/or equipment included in the Guaranteed Maximum Price in order to take advantage of tax savings. Should the Owner elect to purchase materials and/or equipment directly, the general procedure shall be as follows:

1. All subcontracts shall be competitively bid by the Design Builder as outlined in other sections of this Agreement.
2. Each selected subcontractor shall submit a documented list of materials and/or equipment in the scope of its work in excess of \$15,000 along with the amount of sales tax applicable to such material and/or equipment.
3. The Design Builder shall forward these lists to the Owner, and the Owner shall obtain a purchase order for each item.
4. Once purchase orders have been obtained by the Owner for direct payment of these items, the Design Builder shall remove their direct cost from the schedule of Values accompanying its monthly pay applications. Tax savings realized from the Owner's direct purchase of each item, shall be transferred in the Schedule of Values to the line item for the Owner's Contingency. No retainage will be held on Direct Purchase material.
5. The Design Builder will order the materials as approved by the Owner (County Project Manager).
6. Invoices will be delivered directly to the Design Builder.
7. The Design Builder and the Owner will sign off on the packing slips to ensure materials ordered were received.
8. Design Builder will match the invoices to the packing slips and submit to the Owner (Pinellas County's Finance Department) via email to [ClerkFinanceDivisionFixedAssets@co.pinellas.fl.us](mailto:ClerkFinanceDivisionFixedAssets@co.pinellas.fl.us) to ensure the vendor/subcontractor is paid timely. The invoices must be received in a timely manner in order to comply with Section 218.735, *Florida Statutes* "Local Government Prompt Payment Act". Design Builder should date and time stamp all direct purchases invoices.

## **ARTICLE 2**

### **LUMP SUM PRICE**

2.1 The Lump Sum Price for the Work, as defined in Section 3B of the Agreement, is **Four million five hundred sixty-seven thousand eight hundred ninety-eight Dollars (\$4,567,898.00)**

2.2 Monthly installment payment of the Lump Sum Price shall be based upon the percent completion of the designated portion of the Work for each particular month.

2.3 In order to efficiently and timely address certain Change Order situations that may arise during Phase 2, the parties have agreed to establish an Owner controlled contingency within the Lump Sum Price in the amount of **One hundred fifty-six thousand thirty-three dollars (\$156,033.00)** ("Owner's Contingency"). The Design Builder acknowledges and agrees that any change work which is to be charged against the Owner's Contingency must be approved in advance in a Change Order or Construction Change Directive signed by the **Project Manager**. The Owner reserves the right, at its sole discretion, to withhold its consent on Owner's Contingency expenditures. Unused Owner's Contingency remaining at Substantial Completion will be deducted from the Lump Sum Price. Design Builder has no entitlement to any portion of any unused Owner's Contingency.

2.4 If the parties agree to establish Allowances within the Lump Sum Price, said Allowances items and amounts will be identified in Attachment 6. Design Builder shall not proceed with any portion of the Work associated with the aforesaid Allowances ("Allowance Work") without first obtaining Owner's express written authorization to proceed with said Allowance Work.

2.5 Design Builder recognizes that this Contract includes work for trench excavation in excess of five feet deep. Design Builder acknowledges the requirements set forth in Section 553.63 of the Florida Statutes titled Trench Safety Act. Design Builder certifies that the required trench safety standards will be in effect during the period of construction of the Project and Design Builder agrees to comply with all such required trench safety standards.

2.5.1 The amount of **Two million four hundred eighty-five thousand two hundred sixty-five dollars (\$2,485,265.00)** has been separately identified in Attachment 2, Schedule of Values, for the cost of compliance with the required trench safety standards; said amount is included within the Lump Sum Price.

## **ARTICLE 3**

### **CONTRACT TIME**

3.1 The Phase 2 Commencement Date for the Work is **TBD**. The total period of time beginning with the Phase 2 Commencement date through the date required for Substantial Completion of the Work is **Seven hundred five (705) days** ("Contract Time"). **THE SUBSTANTIAL COMPLETION DATE IS THEREFORE ESTABLISHED AS TBD.**

3.2 Pursuant to this Agreement, the parties have established a liquidated damage rate for reasons stated therein, which the parties acknowledge and agree apply to this Amendment and Design Builder's responsibility to complete the Work within the Contract Time as stated herein. Accordingly, the liquidated damage rate established in this Agreement shall be assessed from Design Builder for each calendar day Design Builder fails to achieve Substantial Completion for the Designated Work within the Contract Time.

**ARTICLE 4**

**MISCELLANEOUS**

4.1 Except as expressly modified herein, the terms and conditions of the Agreement remain unchanged. In the event of a conflict between the terms of this Amendment and those of the Agreement, Owner and Design Builder agree that the terms of this Amendment shall prevail and control.

Owner

Design Builder Rocha Controls

By: \_\_\_\_\_

By: 

Print Name: \_\_\_\_\_

Print Name: Raymond Rocha.

Its: Board of County Commissioners

Its: President

Date: \_\_\_\_\_

Date: 8/30/2022

**APPROVED AS TO FORM**

By: Jacina Parson

Office of the County Attorney

**Attachment 1**  
**List of Drawings, Specifications, and Addendums**

(See Attached)



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**ATTACHMENT 1**  
**Rocha Controls' Phase II Construction Project Scope**  
**Quantum and Unity Upgrades - Rebid Contract No. 190-0132-NC (PLU)**

Rocha Controls is providing Design/Build (D/B) services to upgrade the Programmable Logic Controllers (PLCs) at: 1) South Cross Bayou Water Reclamation Facility (WRF), 2) W.E. Dunn WRF, 3) S.K. Keller Water Treatment Facility, 4) Waste to Energy Plant and 5) Synagro. We have completed and submitted the proposed construction plans and preliminary programming documents for upgrade during the Phase 1 design services. The scope of work will require the replacement of outdated Schneider Electric Quantum and Momentum series PLCs with new M340 or M580 platforms, ancillary components and systems. A list of each panel along with a brief scope of work is provided in Attachment 1. The Phase 2 services will include the following:

- Finalize Panel Drawings and comments received from Owner, issued For Construction Drawings
- PLC Programming for each panel
- HMI Programming for each panel
- Test Plan Development
- Programming Review Meeting – Weekly and Monthly as needed to coordinate with Owner staff and plant operations
- Physical demolition of old PLCs and installation of new PLC hardware.
- As-install Drawings, Hardware & Software O&M Development
- Start-up, performance testing, Pinellas County staff training on the new PLC equipment and commissioning.



Contract # 190-0132-NC (PLU)

**ATTACHMENT #1 - List of Panels and Scope of Work**  
**South Cross Bayou WRF, WE Dunn WRF, SK Keller WTF**



	Description	Name/Site ID	Current PLC	Current Programming Software	Design Guideline Recommendation Upgrade	Rocha Controls Recommendation Upgrade	Re-Write/Convert Recommendation	Proposed scope of work
<b>Keller Stations</b>								
1	Gulf Beach Pump Station	Gulf Beach Control Panel	Quantum		TBD	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning <b>-REPLACE ENCLOSURE AND RAISE ELEVATION.</b>
2	Gulf Beach Pump Station - RIO	Gulf Beach NaOCl RIO Panel	Quantum	Unity	TBD	RIO	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning
3	Logan Pump Station - LCP	LCP-2000	Quantum		TBD	M580	Unity now Upgrade to latest version	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
4	Logan Pump Station - RIO	NaOCl RIO Panel	Quantum	Unity	TBD	RIO	N/A	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning
<b>W.E. Dunn Water Reclamation Facility PLCs</b>								
5	Sludge Dewatering	PLC-12	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
6	Sludge Dewatering Drop 1	PLC-12-D1	Quantum	ProWORX 33	TBD	N/A	N/A	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning
7	Sludge Dewatering Drop 2	PLC-12-D2	Quantum	ProWORX 34	TBD	N/A	N/A	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning
8	East Generator	PLC-13	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
9	Grit Removal Facility	PLC-18 GRIT	Quantum	Unity	M340	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning <b>- REPLACE DOORS. ADD SUNSHIELDS AND DOOR HARDWARE</b>
10	Dewatering Presses	PLC-21	Quantum	Unity	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
11	Admin	PLC-17	Momentum	ProWORX 32	M340	M340	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M340 - Organize and Clean-up panel - Startup, Training and Commissioning
12	CHLOR	PLC-15	Momentum	Unity	M340	M340	Unity now Upgrade to latest version	<b>REMOVED FROM SCOPE.</b>
13	Innisbrook	PLC-19	Quantum	Unity	M340	M340	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M340 - Organize and Clean-up panel - Startup, Training and Commissioning
14	Dry Polymer – 1st Floor Press	PLC-20	Momentum	Unity	M340	M340	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M340 - Organize and Clean-up panel - Startup, Training and Commissioning
15	Oldsmar	PCP-800	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning

	Description	Name/Site ID	Current PLC	Current Programming Software	Design Guideline Recommendation Upgrade	Rocha Controls Recommendation Upgrade	Re-Write/Convert Recommendation	Proposed scope of work
<b>South Cross Bayou Water Reclamation Facility PLCs</b>								
16	Mini FOG	SCB_FOG	Momentum	ProWORX 32	M340	RIO	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning
17	UV Ozonia	UV_MCP1	Quantum	ProWORX 32	M580	<b>TEMP HOLD</b>	<b>TEMP HOLD</b>	<b>REMOVED FROM SCOPE.</b>
18	Rotary Drum Thickener 1	THKNR_RDT1	Momentum	ProWORX 32	M340	RIO	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning
19	Rotary Drum Thickener 2	THKNR_RDT2	Momentum	ProWORX 32	M340	RIO	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning
20	Rotary Drum Thickener 3	THKNR_RDT3	Momentum	ProWORX 32	M340	RIO	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning
21	Rotary Drum Thickener Main	THKNR_PLCA	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
22	Sludge Holding Tank	THKNR_PLCB	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
23	WAS Odor Control	TANK501	Momentum	ProWORX 32	M340	***	Rewrite	<b>REMOVED FROM SCOPE</b>
24	Digester	LCP20300	Quantum	ProWORX 32	M580	M580	Convert Add Standard FBs for: AI's, motors, and valve types	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new schneider electric M580 and Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning
25	Graphical Display	GRAPHICs	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
26	Reclaimed Water	LCPRCW	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
27	Dewatering Centrifuge 1	UPC-701	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
28	Dewatering Centrifuge 2	UPC-702	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
29	Dewatering Centrifuge 3	UPC-703	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
30	South Train Pump Station	LCP2420	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
31	North Train Pump Station	LCP5420	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
32	Influent Pump Station	LCP0030	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
33	Generator Building 2	LCP0022	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning



	Description	Name/Site ID	Current PLC	Current Programming Software	Design Guideline Recommendation Upgrade	Rocha Controls Recommendation Upgrade	Re-Write/Convert Recommendation	Proposed scope of work
34	Generator Building 3	LCP0600	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
35	Generator Building 4	LCP0024	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
36	Aerator Blower Building	LCPABB	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
37	Chlorination	LCPCHLOR	Quantum	ProWORX 32	M580	Move to LCP1400	Rewrite in LCP 1400	- Convert CHLOR panel to RIO drop move signals to LCP-1400. - <b>Cut Trench across road to PLC-1400.</b> - <b>Install new conduit and pull cables conductors to LCP-1400</b> - <b>Install new SE M580 in LSP-1400</b> - Organize and Clean-up both panels - Startup, Training and Commissioning
38	Dechlorination	LCPDECHLOR	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
39	Polymer Control Panel	DWPOLYMER	Momentum	ProWORX 32	M580	M580	Unity now Upgrade to latest version	<b>REMOVED FROM SCOPE.</b>
40	Generator Building 1	LCPGEN1	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
41	RTU-62	RTU-062	Momentum	ProWORX 32	M340	RIO	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new schneider electric M580 and Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning
42	McKay PS Primary/Secondary	UCP-100/01	(2) Quantum	ProWORX 32	M580s	(2) M580s	Rewrite	- Remove existing Quantum PLC - Install new (2) SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning - <b>ADD NEW ENCLOSURE</b> - <b>Install (2) pull boxes to relocated conductors to new Panel</b> - <b>Relocate existing panels to make room for new Panel on back side of wall</b>
43	Pump Station 54	Pump Station Control Panel	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
44	Bellair PS-080	PCP	Quantum	ProWORX 32	M580	(2) M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
45	Bellair RCW	RTU	Quantum	ProWORX 32	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
46	PS-016	LCP-1601	Quantum	ProWORX 32	M580	(2) M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning - <b>Install new conduit between LCP-1601 &amp; LCP-1601 Drop</b>
47	PS-016	LCP-1601 DROP 12	Quantum	ProWORX 32	M580s	N/A	N/A	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
48	St. Pete Beach RCW- 570	St. Pete Beach RCW- 570	Quantum	ProWORX 33	M580	M580	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
49	PTOC	LCP0111	Quantum	ProWORX 33	N/A	N/A	Rewrite	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning - Install new conduit between LCP-10111 to new Headworks Panel (UCP-200) - Install new conduit between LCP-10111 to new Headworks Panel (UCP-200)

	Description	Name/Site ID	Current PLC	Current Programming Software	Design Guideline Recommendation Upgrade	Rocha Controls Recommendation Upgrade	Re-Write/Convert Recommendation	Proposed scope of work
<b>Waste to Energy WTP</b>								
50	Filtration System Control Panel	30-CP-1	Quantum	Unity	NA	M580	Conversion	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
51	RO Skid 1	70-CP-1	Quantum	Unity	NA	M580	Conversion	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
52	RO Skid 2	70-CP-2	Quantum	Unity	NA	M580	Conversion	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
53	Process Control	240-PLC-1	Quantum	Unity	NA	M580	Conversion	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
54	Influent Pump Station	10-CP-1	Quantum	Unity	NA	M580	Conversion	- Remove existing Quantum PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning

<b>Synagro</b>								
	Description	Name/Site ID	Current PLC	Current Programming Software	Design Guideline Recommendation Upgrade	Rocha Controls Recommendation Upgrade	Re-Write/Convert Recommendation	Proposed scope of work
50	Hauck BMP Burner Control (PLC-20) SLC-500	PLC 20	Allen Bradley	RS 500	NA	M580	Conversion	- Remove existing AB PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning - <b>NEW ENCLOSURE</b> - <b>New Conduit and FO Cable is required between PLC-20 and PLC60</b>
51	Andritz/CECO RTO Burner Head End (PLC-60)	PLC 60	Allen Bradley	RS 500	NA	M580	Conversion	- Remove existing AB PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
52	Andritz/CECO RTO Burner (RIO-60)	RIO-60	Allen Bradley	RS 500	NA	RIO	Conversion	- Remove existing AB PLC - Relocate misc hardware to facilitate new install - Install new schneider electric M580 and Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning - <b>Provide new Sunshield</b>
53	MCC#1 Racks 0 - 3 PLC-5	PLC-5	Allen Bradley	Studio 5000	NA	M580	Conversion	- Remove existing AB PLC - Relocate misc hardware to facilitate new install - Install new SE M580 - Organize and Clean-up panel - Startup, Training and Commissioning
54	MCC#1 Racks 4 - 5 PLC-5 RIO-10	RIO-10	Allen Bradley	Studio 5000	NA	RIO	Conversion	- Remove existing AB PLC - Relocate misc hardware to facilitate new install - Install new schneider electric M580 and Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning - <b>New Conduit and FO Cable is required between PLC-5 and RIO-10</b>
55	MCC#1 Racks 6 - 7 PLC-5 RIO	PLC-5 RIO	Allen Bradley	Studio 5000	NA	RIO	Conversion	- Remove existing AB PLC - Relocate misc hardware to facilitate new install - Install new schneider electric M580 and Modicon X80 remote I/O rack - Organize and Clean-up panel - Startup, Training and Commissioning - <b>New Conduit and FO Cable is required between PLC-5 RIO and PLC-5</b>



Contract # 190-0132-NC (PLU)

**ATTACHMENT #1 - List of Submitted Documents**  
**South Cross Bayou WRF, WE Dunn WRF, SK Keller WTF**



	PANELS	PLANT	Rev. Date
1	<b>GULF-BEACH Head End</b>	<b>1014-84 Keller Plant - Gulf Beach Control Panel (SUBMITTAL REV) COMBINED</b>	
		- Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
2	<b>GULF-BEACH-RIO</b>	<b>1014-84 Keller Plant - Gulf Beach RIO Panel (SUBMITTAL) COMBINED</b>	
		- Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
3	<b>LCP-2000 Head End</b>	<b>1014-84 Keller Plant - LCP-2000 Main Head End (SUBMITTAL) COMBINED</b>	
		- Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
4	<b>LCP-2000 RIO</b>	<b>1014-84 Keller Plant - LCP-2000 RTU (SUBMITTAL) COMBINED</b>	
		- Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
		<b>W.E. Dunn WRF RTU Plans</b>	<b>Rev. Date</b>
5	<b>PLC-21</b>	<b>1014-84 W.E. Dunn Plant WRF - PLC-21 (SUBMITTAL) COMBINED</b>	
		- Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
6	<b>PLC-13</b>	<b>1014-84 W.E. Dunn Plant WRF - PLC-13 (SUBMITTAL) COMBINED</b>	
		- Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
7	<b>PLC-17</b>	<b>1014-84 W.E. Dunn Plant WRF - PLC-17 (SUBMITTAL) COMBINED</b>	
		- Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	

	PANELS	PLANT	Rev. Date
8	PLC-18	<b>1014-84 W.E. Dunn Plant WRF - PLC-18 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
9	PLC-19	<b>1014-84 W.E. Dunn Plant WRF - PLC-19 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
10	PCP-800RTU	<b>1014-84 W.E. Dunn Plant WRF - PCP-800RTU (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
11	PLC-20	<b>1014-84 W.E. Dunn Plant WRF - PLC-20 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
12	PLC-12	<b>1014-84 W.E. Dunn Plant WRF - PLC-12 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
13	PLC-12-D1	<b>1014-84 W.E. Dunn Plant WRF - PLC-12-D1 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
14	PLC-12-D2	<b>1014-84 W.E. Dunn Plant WRF - PLC-12-D2 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
		<b>S.K. Keller Water Treatment Facility RTU Plans</b>	<b>Rev. Date</b>
15	RDT-1201	<b>RDT-1201 Panel Drawing</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	

	PANELS	PLANT	Rev. Date
16	RDT-1202	<b>1014-84 South Cross Plant - RDT-1202 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
17	RDT-1203	<b>1014-84 South Cross Plant - RDT-1203 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
18	THKNR-PLCA	<b>1014-84 South Cross Plant - THKNR-PLCA (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
19	UPC-701	<b>1014-84 South Cross Plant - UPC-701 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
20	UPC-702	<b>1014-84 South Cross Plant - UPC-702 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
21	UPC-703	<b>1014-84 South Cross Plant - UPC-703 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
22	LCP-2420	<b>1014-84 South Cross Plant - LCP-2420 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
23	LCP-5420	<b>1014-84 South Cross Plant - LCP-5420 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	

	PANELS	PLANT	Rev. Date
24	LCPGEN1	<b>1014-84 South Cross Plant - LCPGEN1 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
25	LCP-0600	<b>1014-84 South Cross Plant - LCP-0600 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
26	LCP-0024	<b>1014-84 South Cross Plant - LCP-0024 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
27	LCP-0022	<b>1014-84 South Cross Plant - LCP-0022 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
28	LCP-0030	<b>1014-84 South Cross Plant - LCP-0030 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
29	LCP-RCW	<b>1014-84 South Cross Plant - LCP-RCW (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
30	PLCB	<b>1014-84 South Cross Plant - PLCB (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
31	LCP-1400	<b>1014-84 LCP-1400 Modifications (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	

	PANELS	PLANT	Rev. Date
32	LCP-CHLOR	<b>LCPCHLOR Moved to LCP-1400</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
33	LCP-DECHLOR	<b>1014-84 South Cross Plant - LCP-DECHLOR (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
34	LCP-20300	<b>1014-84 South Cross Plant - LCP-20300 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
35	MINI-FOG RIO	<b>MINI FOG is Now an RIO Drop Off of LCP-20300, Digester 1-2 LCP</b> 30% Schematic Design - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
36	LCP-ABB	<b>1014-84 South Cross Plant - LCP-ABB (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
37	RTU-062	<b>1014-84 South Cross Plant - RTU-062 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
38	UCP-100-01	<b>1014-84 South Cross Plant - UCP-100-01 (COMBINED)</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
39	PS-54	<b>1014-84 South Cross Plant - PS-54 PLC (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	

	PANELS	PLANT	Rev. Date
40	PS-80	<b>1014-84 South Cross Plant - PS-080 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
41	RCW-RTU (Belleair)	<b>1014-84 South Cross Plant - Belleair RTU (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
42	LCP-1601	<b>1014-84 South Cross Plant - LCP-1601 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
43	LCP-1601 DROP 12	<b>Above drawing includes the DROP 12 IO/HSBY Swap</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
44	LCP-0111	<b>1014-84 South Cross Plant - LCP-0111 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	
45	GRAPHICS	<b>1014-84 South Cross Plant - LCP-0111 (SUBMITTAL) COMBINED</b> - Bill of Materials - Final Phase 1 Design Drawings - I/O Check Sheets - SCADA Tag Listing by PLC - PLC Communications - HMI Graphics Pages - Draft Maintenance of Plant Operation Plan (MOPO)	





**ATTACHMENT #1 - List of Submitted Documents Waste to Energy Panels**



	Water to Energy RTU Plans	Rev. Date
<b>10-CP-1</b>	<b>1014-85 Waste to Energy WTP - 10-CP-1 (SUBMITTAL) COMBINED</b>	
	<ul style="list-style-type: none"> <li>- Bill of Materials</li> <li>- 30% Schematic Design</li> <li>- I/O Check Sheets</li> <li>- SCADA Tag Listing by PLC</li> <li>- PLC Communications</li> <li>- HMI Graphics Pages</li> <li>- Draft Maintenance of Plant Operation Plan (MOPO)</li> </ul>	
<b>30-CP-1</b>	<b>1014-85 Waste to Energy WTP - 30-CP-1 (SUBMITTAL) COMBINED</b>	
	<ul style="list-style-type: none"> <li>- Bill of Materials</li> <li>- 30% Schematic Design</li> <li>- I/O Check Sheets</li> <li>- SCADA Tag Listing by PLC</li> <li>- PLC Communications</li> <li>- HMI Graphics Pages</li> <li>- Draft Maintenance of Plant Operation Plan (MOPO)</li> </ul>	
<b>70-CP-1</b>	<b>1014-85 Waste to Energy WTP - 70-CP-1 (SUBMITTAL) COMBINED</b>	
	<ul style="list-style-type: none"> <li>- Bill of Materials</li> <li>- 30% Schematic Design</li> <li>- I/O Check Sheets</li> <li>- SCADA Tag Listing by PLC</li> <li>- PLC Communications</li> <li>- HMI Graphics Pages</li> <li>- Draft Maintenance of Plant Operation Plan (MOPO)</li> </ul>	
<b>70-CP-2</b>	<b>1014-85 Waste to Energy WTP - 70-CP-2 (SUBMITTAL) COMBINED</b>	
	<ul style="list-style-type: none"> <li>- Bill of Materials</li> <li>- 30% Schematic Design</li> <li>- I/O Check Sheets</li> <li>- SCADA Tag Listing by PLC</li> <li>- PLC Communications</li> <li>- HMI Graphics Pages</li> <li>- Draft Maintenance of Plant Operation Plan (MOPO)</li> </ul>	
<b>240-PLC-1</b>	<b>1014-85 Waste to Energy WTP - 240-PLC-1 (SUBMITTAL) COMBINED</b>	
	<ul style="list-style-type: none"> <li>- Bill of Materials</li> <li>- 30% Schematic Design</li> <li>- I/O Check Sheets</li> <li>- SCADA Tag Listing by PLC</li> <li>- PLC Communications</li> <li>- HMI Graphics Pages</li> <li>- Draft Maintenance of Plant Operation Plan (MOPO)</li> </ul>	



Contract # 190-0132-NC (PLU)

**ATTACHMENT #1 - List of Submitted Documents  
Synagro Panels**



	Synagro RTU Plans	Rev. Date
<b>PLC-20</b>	<b>Hauck BMP Burner Control</b>	
	<ul style="list-style-type: none"> <li>- Bill of Materials</li> <li>- 30% Schematic Design</li> <li>- I/O Check Sheets</li> <li>- SCADA Tag Listing by PLC</li> <li>- PLC Communications</li> <li>- HMI Graphics Pages</li> <li>- Draft Maintenance of Plant Operation Plan (MOPO)</li> </ul>	
<b>PLC-60</b>	<b>Andritz CECO RTO Burner Local Panel</b>	
	<ul style="list-style-type: none"> <li>- Bill of Materials</li> <li>- 30% Schematic Design</li> <li>- I/O Check Sheets</li> <li>- SCADA Tag Listing by PLC</li> <li>- PLC Communications</li> <li>- HMI Graphics Pages</li> <li>- Draft Maintenance of Plant Operation Plan (MOPO)</li> </ul>	
<b>RIO-60</b>	<b>Andritz CECO RTO Burner Remote Panel</b>	
	<ul style="list-style-type: none"> <li>- Bill of Materials</li> <li>- 30% Schematic Design</li> <li>- I/O Check Sheets</li> <li>- SCADA Tag Listing by PLC</li> <li>- PLC Communications</li> <li>- HMI Graphics Pages</li> <li>- Draft Maintenance of Plant Operation Plan (MOPO)</li> </ul>	
<b>MCC#1</b>	<b>MCC 1 - PLC5 Head End and Racks 0, 1, 2, and 3</b>	
	<ul style="list-style-type: none"> <li>- Bill of Materials</li> <li>- 30% Schematic Design</li> <li>- I/O Check Sheets</li> <li>- SCADA Tag Listing by PLC</li> <li>- PLC Communications</li> <li>- HMI Graphics Pages</li> <li>- Draft Maintenance of Plant Operation Plan (MOPO)</li> </ul>	
<b>MCC#1 RIO-10</b>	<b>MCC 1 - RIO Racks 4 &amp; 5 R10-10 Panel</b>	
	<ul style="list-style-type: none"> <li>- Bill of Materials</li> <li>- 30% Schematic Design</li> <li>- I/O Check Sheets</li> <li>- SCADA Tag Listing by PLC</li> <li>- PLC Communications</li> <li>- HMI Graphics Pages</li> <li>- Draft Maintenance of Plant Operation Plan (MOPO)</li> </ul>	
<b>MCC#1 Truck Loadout</b>	<b>MCC 1 - RIO Racks 6 &amp; 7 Truck Load Out Panel</b>	
	<ul style="list-style-type: none"> <li>- Bill of Materials</li> <li>- 30% Schematic Design</li> <li>- I/O Check Sheets</li> <li>- SCADA Tag Listing by PLC</li> <li>- PLC Communications</li> <li>- HMI Graphics Pages</li> <li>- Draft Maintenance of Plant Operation Plan (MOPO)</li> </ul>	

**Attachment 2**  
**Schedule of Values**

(See Attached)

SCHEDULE OF VALUES															Attachment #2 Schedule of Values														
Job: Contract Number: 190-0132-NC(PLU)										Application Number: Application Date: Period To:																			
A		B			C			D			E		F		G		H	I											
Item	No.	Description of Work	QTY	UNIT OF MEASURE	UNIT PRICE	SCHEDULED VALUE	WORK COMPLETED					MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C - G)	RETAINAGE 0%													
							TOTAL QUANTITY COMPLETED	TOTAL QUANTITY COMPLETED PREVIOUS APP	TOTAL COMPLETED (D+ E FROM PREVIOUS APP)	QUANTITY COMPLETED THIS PERIOD	COMPLETED THIS PERIOD																		
01		<b>PHASE 2 MOBILIZATION - All Projects</b>																											
02		Project Scheduling & Facility Coordination	1	LS	48,640	48,640	0	0	0.00	\$0.00	0.00	0.00	0.00	0.00	0.00%	\$48,640	0.00												
03		Contract Administration	1	LS	37,440	37,440	0	0	0.00	\$0.00	0.00	0.00	0.00	0.00	0.00%	\$37,440	0.00												
04		Progress Meetings	1	LS	49,420	49,420	0	0	0.00	\$0.00	0.00	0.00	0.00	0.00	0.00%	\$49,420	0.00												
05		BOND -Performance and Payment	1	LS	47,150	47,150	0	0	0.00	\$0.00	0.00	0.00	0.00	0.00	0.00%	\$47,150	0.00												
06		Unforeseen/Unknown Conditions & Undefined Work	1	LS	50,000	50,000	0	0	0.00	\$0.00	0.00	0.00	0.00	0.00	0.00%	\$50,000	0.00												
1000		<b>Phase 2 Construction Services South Cross Bayou Water Reclamation Facility</b>																											
<b>RDT-1201</b>																													
1001		Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%												
1002		PLC Programming	1	LS	6,860	6,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,860	0%												
1003		HMI Programming	1	LS	7,635	7,635	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,635	0%												
1004		Test Plan Development	1	LS	1,860	1,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,860	0%												
1005		Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%												
1006		Installation / Testing (3-Day Install)	1	LS	13,180	13,180	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$13,180	0%												
1007		Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	2,020	2,020	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,020	0%												
1008		Staff Review and Address Punchlists and trainig	1	LS	1,280	1,280	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,280	0%												
1009		Material Buyout	1	LS	16,673	16,673	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$16,673	0%												
<b>RDT-1202</b>																													
1010		Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%												
1011		PLC Programming	1	LS	6,860	6,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,860	0%												
1012		HMI Programming	1	LS	7,440	7,440	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,440	0%												
1013		Test Plan Development	1	LS	1,860	1,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,860	0%												
1014		Programming Review Mtg	1	LS	640	640	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$640	0%												
1015		Installation / Testing (3-Day Install)	1	LS	13,180	13,180	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$13,180	0%												
1016		Red-Line Implementation, Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	2,195	2,195	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,195	0%												
1017		Staff Review and Address Punchlists and trainig	1	LS	1,135	1,135	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,135	0%												
1018		Material Buyout	1	LS	16,673	16,673	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$16,673	0%												
<b>RDT-1203</b>																													
1019		Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%												
1020		PLC Programming	1	LS	6,860	6,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,860	0%												
1021		HMI Programming	1	LS	7,440	7,440	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,440	0%												
1022		Test Plan Development	1	LS	1,860	1,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,860	0%												
1023		Programming Review Mtg	1	LS	930	930	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$930	0%												
1024		Installation / Testing (3-Day Install)	1	LS	13,180	13,180	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$13,180	0%												
1025		Red-Line Implementation, Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	2,195	2,195	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,195	0%												
1026		Staff Review and Address Punchlists and trainig	1	LS	1,685	1,685	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,685	0%												
1027		Material Buyout	1	LS	16,673	16,673	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$16,673	0%												
<b>THKNR_PLCA</b>																													
1028		Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%												
1029		PLC Programming	1	LS	6,860	6,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,860	0%												
1030		HMI Programming	1	LS	7,440	7,440	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,440	0%												
1031		Test Plan Development	1	LS	1,860	1,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,860	0%												
1032		Programming Review Mtg	1	LS	930	930	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$930	0%												
1033		Installation / Testing (4-Day Install)	1	LS	14,300	14,300	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$14,300	0%												
1034		Red-Line Implementation, Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	2,415	2,415	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,415	0%												
1035		Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%												
1036		Material Buyout	1	LS	33,188	33,188	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$33,188	0%												



<b>LCP-0600</b>										\$0.00	\$0.00	\$0.00	\$0.00	0%	\$0	0%
1091	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%
1092	PLC Programming	1	LS	6,280	6,280	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,280	0%
1093	HMI Programming	1	LS	7,055	7,055	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,055	0%
1094	Test Plan Development	1	LS	2,850	2,850	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,850	0%
1095	Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%
1096	Installation / Testing (7-Day Install) + Panel Cleanup	1	LS	29,390	29,390	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$29,390	0%
1097	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	4,760	4,760	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,760	0%
1098	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%
1099	Material Buyout	1	LS	51,947	51,947	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$51,947	0%
<b>LCP-0024</b>										\$0.00	\$0.00	\$0.00	\$0.00	0%	\$0	0%
1100	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%
1101	PLC Programming	1	LS	6,280	6,280	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,280	0%
1102	HMI Programming	1	LS	7,055	7,055	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,055	0%
1103	Test Plan Development	1	LS	2,850	2,850	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,850	0%
1104	Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%
1105	Installation / Testing (7-Day Install) + Panel Cleanup	1	LS	29,390	29,390	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$29,390	0%
1106	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	4,760	4,760	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,760	0%
1107	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%
1108	Material Buyout	1	LS	59,911	59,911	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$59,911	0%
<b>LCP-0022</b>										\$0.00	\$0.00	\$0.00	\$0.00	0%	\$0	0%
1109	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%
1110	PLC Programming	1	LS	4,420	4,420	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,420	0%
1111	HMI Programming	1	LS	7,055	7,055	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,055	0%
1112	Test Plan Development	1	LS	1,860	1,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,860	0%
1113	Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%
1114	Installation / Testing (4-Day Install)	1	LS	14,880	14,880	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$14,880	0%
1115	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	2,880	2,880	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,880	0%
1116	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%
1117	Material Buyout	1	LS	41,844	41,844	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$41,844	0%
<b>LCP-0030</b>										\$0.00	\$0.00	\$0.00	\$0.00	0%	\$0	0%
1118	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%
1119	PLC Programming	1	LS	6,280	6,280	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,280	0%
1120	HMI Programming	1	LS	6,860	6,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,860	0%
1121	Test Plan Development	1	LS	1,630	1,630	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,630	0%
1122	Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%
1123	Installation / Testing (4-Day Install)	1	LS	14,880	14,880	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$14,880	0%
1124	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	2,880	2,880	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,880	0%
1125	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%
1126	Material Buyout	1	LS	28,943	28,943	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$28,943	0%
<b>LCP-RCW</b>										\$0.00	\$0.00	\$0.00	\$0.00	0%	\$0	0%
1127	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%
1128	PLC Programming	1	LS	6,980	6,980	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,980	0%
1129	HMI Programming	1	LS	7,680	7,680	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,680	0%
1130	Test Plan Development	1	LS	1,630	1,630	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,630	0%
1131	Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%
1132	Installation / Testing (5-Day Install)	1	LS	20,800	20,800	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$20,800	0%
1133	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	4,075	4,075	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,075	0%
1134	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%
1135	Material Buyout	1	LS	34,921	34,921	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$34,921	0%
<b>THKNR_PLCB</b>										\$0.00	\$0.00	\$0.00	\$0.00	0%	\$0	0%
1136	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%
1137	PLC Programming	1	LS	4,420	4,420	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,420	0%
1138	HMI Programming	1	LS	7,055	7,055	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,055	0%
1139	Test Plan Development	1	LS	1,860	1,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,860	0%
1140	Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%
1141	Installation / Testing (2-Day Install)	1	LS	8,630	8,630	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$8,630	0%
1142	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	1,950	1,950	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,950	0%
1143	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%
1144	Material Buyout	1	LS	27,000	27,000	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$27,000	0%



1201	PLC Programming	1	LS	6,860	6,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,860	0%	
1202	HMI Programming	1	LS	7,440	7,440	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,440	0%	
1203	Test Plan Development	1	LS	1,860	1,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,860	0%	
1204	Programming Review Mtg	1	LS	640	640	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$640	0%	
1205	Installation / Testing (6-Day Install)	1	LS	20,230	20,230	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$20,230	0%	
1206	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	4,470	4,470	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,470	0%	
1207	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%	
1208	Additional effort for piping & Panel modifications to move panel	1	LS	6,860	6,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,860	0%	
1209	Material Buyout	1	LS	69,761	69,761	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$69,761	0%	
<b>PSS4 PLC</b>										\$0.00	\$0.00	\$0.00	\$0.00	0%	\$0	0%
1210	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%	
1211	PLC Programming	1	LS	4,420	4,420	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,420	0%	
1212	HMI Programming	1	LS	7,635	7,635	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,635	0%	
1213	Test Plan Development	1	LS	1,860	1,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,860	0%	
1214	Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%	
1215	Installation / Testing (3-Day Install)	1	LS	10,870	10,870	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$10,870	0%	
1216	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	3,215	3,215	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$3,215	0%	
1217	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%	
1218	Material Buyout	1	LS	23,209	23,209	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$23,209	0%	
<b>Belleair PCP PS-080</b>										\$0.00	\$0.00	\$0.00	\$0.00	0%	\$0	0%
1219	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%	
1220	PLC Programming	1	LS	4,420	4,420	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,420	0%	
1221	HMI Programming	1	LS	6,860	6,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,860	0%	
1222	Test Plan Development	1	LS	1,860	1,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,860	0%	
1223	Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%	
1224	Installation / Testing (3-Day Install)	1	LS	10,870	10,870	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$10,870	0%	
1225	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	3,215	3,215	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$3,215	0%	
1226	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%	
1227	Material Buyout	1	LS	41,116	41,116	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$41,116	0%	
<b>Bellair RTU</b>										\$0.00	\$0.00	\$0.00	\$0.00	0%	\$0	0%
1228	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%	
1229	PLC Programming	1	LS	5,120	5,120	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$5,120	0%	
1230	HMI Programming	1	LS	8,455	8,455	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$8,455	0%	
1231	Test Plan Development	1	LS	3,720	3,720	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$3,720	0%	
1232	Programming Review Mtg	1	LS	640	640	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$640	0%	
1233	Installation / Testing (3-Day Install)	1	LS	13,740	13,740	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$13,740	0%	
1234	As-Builts, Hardware & Software O&M Development	1	LS	2,490	2,490	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,490	0%	
1235	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%	
1236	Material Buyout	1	LS	18,775	18,775	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$18,775	0%	
<b>LCP-1601 HSBY and LCP-1601 Drop 12</b>										\$0.00	\$0.00	\$0.00	\$0.00	0%	\$0	0%
1237	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%	
1238	PLC Programming	1	LS	8,260	8,260	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$8,260	0%	
1239	HMI Programming	1	LS	7,055	7,055	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,055	0%	
1240	Test Plan Development	1	LS	2,850	2,850	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,850	0%	
1241	Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%	
1242	Installation / Testing (5-Day Install)	1	LS	20,860	20,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$20,860	0%	
1243	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	4,120	4,120	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,120	0%	
1244	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%	
1245	Material Buyout	1	LS	51,128	51,128	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$51,128	0%	
<b>SPB RCW-570</b>										\$0.00	\$0.00	\$0.00	\$0.00	0%	\$0	0%
1246	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%	
1247	PLC Programming	1	LS	4,420	4,420	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,420	0%	
1248	HMI Programming	1	LS	7,055	7,055	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,055	0%	
1249	Test Plan Development	1	LS	1,860	1,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,860	0%	
1250	Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%	
1251	Installation / Testing (4-Day Install)	1	LS	14,705	14,705	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$14,705	0%	
1252	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	3,610	3,610	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$3,610	0%	
1253	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%	
1254	Material Buyout	1	LS	23,489	23,489	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$23,489	0%	
<b>PTOC_LCP-0111</b>										\$0.00	\$0.00	\$0.00	\$0.00	0%	\$0	0%
1255	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%	
1256	PLC Programming	1	LS	2,270	2,270	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,270	0%	
1257	HMI Programming	1	LS	835	835	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$835	0%	
1258	Test Plan Development	1	LS	640	640	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$640	0%	



1259	Programming Review Mtg	1	LS	495	495	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$495	0%
1260	Installation / Testing (1-Day Install)	1	LS	3,605	3,605	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$3,605	0%
1261	Red-Line Implementation, As-Built, Hardware & Software O&M Development	1	LS	1,950	1,950	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,950	0%
1262	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%
1263	Add Wrk - Install Conduits for moving the panel	1	LS	12,560	12,560	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$12,560	0%
1264	Material Buyout	1	LS	14,143	14,143	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$14,143	0%
<b>GRAPHICS</b>															
1265	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%
1266	PLC Programming	1	LS	4,420	4,420	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,420	0%
1267	HMI Programming	1	LS	7,055	7,055	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,055	0%
1268	Test Plan Development	1	LS	1,860	1,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,860	0%
1269	Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%
1270	Installation / Testing (2-Day Install)	1	LS	7,265	7,265	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,265	0%
1271	Red-Line Implementation, As-Built, Hardware & Software O&M Development	1	LS	2,530	2,530	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,530	0%
1272	Staff Review and Address Punchlists and trainig	1	LS	1,395	1,395	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,395	0%
1273	Material Buyout	1	LS	11,447	11,447	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$11,447	0%
<b>Plant SCADA</b>															
1274	South Cross Bayou Plant Wonderware Screen	1	LS	21,775	21,775	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$21,775	0%
<b>Other Material</b>															
1275	Spares	1	LS	140,056	140,056	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$140,056	0%
1276	Material Extended Warranty	1	LS	31,338	31,338	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	100%	\$31,338	
1277	Material Cost Escalation Contingency	1	LS	62,676	62,676	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	200%	\$62,676	
<b>TOTALS</b>				<b>2,485,265.00</b>	<b>2,485,265.00</b>	-	-	-	-	-	-	-	-	<b>2,485,265.00</b>	<b>\$0.00</b>

SCHEDULE OF VALUES		Attachment #2 Schedule of Values													
Job: Contract Number: 190-0132-NC(PLU)											Application Number: Application Date: Period To:				
Item No.	Description of Work	QTY	UNIT OF MEASURE	UNIT PRICE	SCHEDULED VALUE	WORK COMPLETED					MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C - G)	RETAINAGE 0%
						TOTAL QUANTITY COMPLETED	TOTAL QUANTITY COMPLETED PREVIOUS APP	TOTAL COMPLETED (D+ E FROM PREVIOUS APP)	QUANTITY COMPLETED THIS PERIOD	COMPLETED THIS PERIOD					
2000	<b>Phase 2 Construction Services S.K. Kellar Water Treatment Facility</b>														
<b>Gulf Beach Pump Station Main Panel</b>															
2001	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555 0%
2002	PLC Programming	1	LS	6,070	6,070	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,070 0%
2003	HMI Programming	1	LS	6,860	6,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,860 0%
2004	Test Plan Development	1	LS	1,570	1,570	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,570 0%
2005	Programming Review Mtg	1	LS	495	495	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$495 0%
2006	Installation / Testing (3-Day Install)	1	LS	16,015	16,015	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$16,015 0%
2007	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	2,530	2,530	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,530 0%
2008	Staff Review and Address Punchlists and trainig	1	LS	1,365	1,365	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,365 0%
2009	Demo & Mounting new Enclosure in same location	1	LS	4,520	4,520	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,520 0%
2010	Material Buyout	1	LS	42,449	42,449	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$42,449 0%
<b>Gulf Beach Pump NaOCL RIO Panel</b>															
2011	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555 0%
2012	PLC Programming	1	LS	4,790	4,790	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,790 0%
2013	HMI Programming	1	LS	5,580	5,580	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$5,580 0%
2014	Test Plan Development	1	LS	1,570	1,570	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,570 0%
2015	Programming Review Mtg	1	LS	495	495	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$495 0%
2016	Installation / Testing (2-Day Install)	1	LS	9,155	9,155	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$9,155 0%
2017	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	1,950	1,950	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,950 0%
2018	Staff Review and Address Punchlists and trainig	1	LS	1,365	1,365	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,365 0%
2019	Material Buyout	1	LS	16,961	16,961	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$16,961 0%
<b>Logan Pump Station</b>															
2020	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555 0%
2021	PLC Programming	1	LS	6,070	6,070	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,070 0%
2022	HMI Programming	1	LS	6,860	6,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,860 0%
2023	Test Plan Development	1	LS	1,570	1,570	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,570 0%
2024	Programming Review Mtg	1	LS	495	495	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$495 0%
2025	Installation / Testing (3-Day Install)	1	LS	11,275	11,275	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$11,275 0%
2026	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	2,530	2,530	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,530 0%
2027	Staff Review and Address Punchlists and trainig	1	LS	1,365	1,365	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,365 0%
2028	Material Buyout	1	LS	34,783	34,783	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$34,783 0%
<b>Logan PS NaOCL</b>															
2029	Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555 0%
2030	PLC Programming	1	LS	4,790	4,790	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$4,790 0%
2031	HMI Programming	1	LS	6,860	6,860	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,860 0%
2032	Test Plan Development	1	LS	1,570	1,570	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,570 0%
2033	Programming Review Mtg	1	LS	495	495	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$495 0%
2034	Installation / Testing (2-Day Install)	1	LS	9,155	9,155	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$9,155 0%
2035	Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	1,950	1,950	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,950 0%
2036	Staff Review and Address Punchlists and trainig	1	LS	1,365	1,365	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,365 0%
2037	Material Buyout	1	LS	18,703	18,703	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$18,703 0%
<b>Plant SCADA</b>															
2038	Plant Wonderware Screen	1	LS	8,775	8,775	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$8,775 0%
<b>Other Material</b>															
2039	Spares	1	LS	29,197	29,197	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$29,197 0%
2040	Extended Material Warranty	1	LS	3,061	3,061	\$0.00	\$0.00	1.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$3,061 0%
2041	Material Cost Escalation Contingency	1	LS	6,121	6,121	\$0.00	\$0.00	2.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,121 0%
				<b>TOTALS</b>		<b>286,950.00</b>	<b>286,950.00</b>	-	-	-	-	-	-	-	<b>286,950.00</b>

SCHEDULE OF VALUES

Attachment #2 Schedule of Values

Job:  
Contract Number:190-0132-NC(PLU)

Application Number:  
Application Date:  
Period To:

A Item	B No.	Description of Work	QTY	UNIT OF MEASURE	UNIT PRICE	C SCHEDULED VALUE	D WORK COMPLETED			E COMPLETED THIS PERIOD	F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	H BALANCE TO FINISH (C - G)	I RETAINAGE 0%	
							TOTAL QUANTITY COMPLETED	TOTAL QUANTITY COMPLETED PREVIOUS APP	TOTAL COMPLETED (D+ E FROM PREVIOUS APP)							
3000		<b>Phase 2 Construction Services W.E. Dunn Water Recalimantion Facility</b>														
<b>PLC-21</b>																
3001		Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%
3002		PLC Programming	1	LS	6,980	6,980	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,980	0%
3003		HMI Programming	1	LS	8,915	8,915	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$8,915	0%
3004		Test Plan Development	1	LS	3,140	3,140	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$3,140	0%
3005		Programming Review Mtg	1	LS	640	640	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$640	0%
3006		Installation / Testing (3-Day Install)	1	LS	11,800	11,800	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$11,800	0%
3007		Red-Line Implementation, Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	2,530	2,530	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,530	0%
3008		Staff Review and Address Punchlists and trainig	1	LS	1,220	1,220	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,220	0%
3009		Material Buyout	1	LS	27,417	27,417	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$27,417	0%
<b>PLC-13</b>																
3010		Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%
3011		PLC Programming	1	LS	5,700	5,700	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$5,700	0%
3012		HMI Programming	1	LS	7,055	7,055	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,055	0%
3013		Test Plan Development	1	LS	1,570	1,570	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,570	0%
3014		Programming Review Mtg	1	LS	815	815	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$815	0%
3015		Installation / Testing (3-Day Install)	1	LS	11,450	11,450	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$11,450	0%
3016		Red-Line Implementation, Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	2,530	2,530	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,530	0%
3017		Staff Review and Address Punchlists and trainig	1	LS	1,220	1,220	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,220	0%
3018		Material Buyout	1	LS	26,024	26,024	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$26,024	0%
<b>PLC-17</b>																
3019		Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%
3020		PLC Programming	1	LS	2,560	2,560	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,560	0%
3021		HMI Programming	1	LS	7,055	7,055	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,055	0%
3022		Test Plan Development	1	LS	1,570	1,570	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,570	0%
3023		Programming Review Mtg	1	LS	640	640	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$640	0%
3024		Installation / Testing (1-Day Install)	1	LS	5,535	5,535	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$5,535	0%
3025		Red-Line Implementation, Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	1,730	1,730	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,730	0%
3026		Staff Review and Address Punchlists and trainig	1	LS	1,220	1,220	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,220	0%
3027		Material Buyout	1	LS	16,148	16,148	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$16,148	0%
<b>PLC-18</b>																
3028		Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%
3029		PLC Programming	1	LS	8,260	8,260	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$8,260	0%
3030		HMI Programming	1	LS	7,055	7,055	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,055	0%
3031		Test Plan Development	1	LS	2,850	2,850	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,850	0%
3032		Programming Review Mtg	1	LS	640	640	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$640	0%
3033		Installation / Testing (4-Day Install) Replace Doors, remove OIT & Panel Rust Clean-up, Sunshield	1	LS	20,650	20,650	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$20,650	0%
3034		Red-Line Implementation, Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	3,110	3,110	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$3,110	0%
3035		Staff Review and Address Punchlists and trainig	1	LS	1,510	1,510	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,510	0%
3036		Material Buyout	1	LS	41,408	41,408	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$41,408	0%
<b>PLC-19</b>																
3037		Finalize Panel Drawings	1	LS	1,555	1,555	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,555	0%
3038		PLC Programming	1	LS	6,280	6,280	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$6,280	0%
3039		HMI Programming	1	LS	7,055	7,055	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$7,055	0%
3040		Test Plan Development	1	LS	1,570	1,570	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,570	0%
3041		Programming Review Mtg	1	LS	640	640	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$640	0%
3042		Installation / Testing (2-Day Install)	1	LS	9,910	9,910	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$9,910	0%
3043		Red-Line Implementation, Red-Line Implementation, As-Builts, Hardware & Software O&M Development	1	LS	2,240	2,240	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$2,240	0%
3044		Staff Review and Address Punchlists and trainig	1	LS	1,220	1,220	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$1,220	0%
3045		Material Buyout	1	LS	17,769	17,769	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$17,769	0%







5056	Fiber Conduit	1	LS	12,560	12,560	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$12,560	0%
5057	Material Buyout	1	LS	43,601	43,601	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$43,601	0%
<b>Plant SCADA</b>															
5058	Synagro Wonderware Screen	1	LS	18,775	18,775	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$18,775	0%
<b>Other Material</b>															
4047	Spares	1	LS	32,135	32,135	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$32,135	0%
4048	Extended Material Warranty	1	LS	5,466	5,466	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$5,466	0%
4049	Material Cost Escalation Contingency	1	LS	10,932	10,932	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0%	\$10,932	0%
				<b>TOTALS</b>		<b>\$688,152.00</b>	<b>\$688,152.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$688,152.00</b>	<b>\$0.00</b>

**Attachment 3**

**Assumptions, Clarifications, & Exclusions**

(See Attached)





**Contract # 190-0132-NC (PLU)**

**ATTACHMENT #3 - Clarifications and Exclusions**



**GENERAL NOTES**

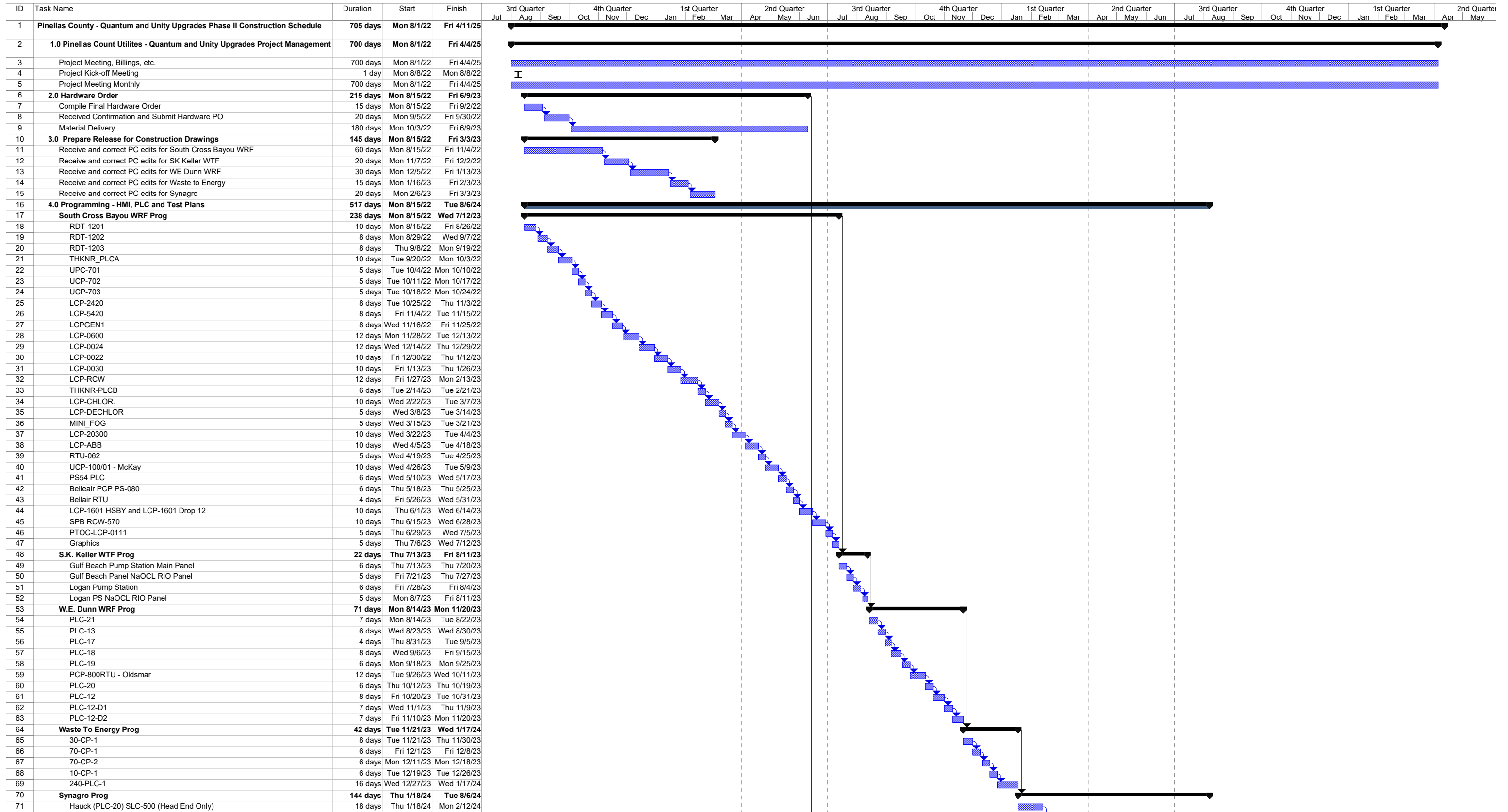
1. The pricing for the Lump Sum Agreement is based on the Phase 1 panel designs. Any price increases due to manufacturer shall be forwarded to the Owner and funded by the Owner Contingency.
2. As identified in Exhibit K -Permits are not included in this scope of work. This will include electrical permits from any work that requires the extension of conduits
3. The Owner will be responsible for the operation of the existing/new process control panels. Additionally, the Owner shall supply the necessary plant labor to ensure that the appropriate plant operations are being monitored and controlled during the panel modifications and installation. Services for work not included: repair of non-working equipment, re-calibration of instruments and rewiring/labeling of field equipment.
4. The project's phased construction sequences will require multiple warranties and beneficial uses. Schenieder hardware material warranty will start up the material delivery. Construction warranty will start as equipment are placed into service and the County has beneficial use. It is assumed the beneficial use occurs upon final startup, training and commissioning of each panel. One year warranty will begin upon the Owners acceptance of the panel.
5. Rocha Controls will be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the work. Rocha Controls shall take al necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury and loss.
6. The proposed scope of work is for the replacement of Schneider Electric Programmable Logic Controllers within the panels identified in Attachment 1. This work is limited to within the panel.  
External work to the panels for electrical piping , relocation of panels is proposed to the following PLCs:
  - Gulf Beach Control Panel: Replace existing enclosure
  - PLC-18 Grit: Replace enclosure doors, Add Sunshields and Door Hardware
  - LCPCHLOR - Cut Trench across road to PLC-1400. Install new conduit and pull cables conductors to LCP-1400
  - UCP-100/01 (McKay PS): Add (1) new Enclosure, (2) pull-boxes, extend new conduit to new panel location
  - LCP-1601: Install new conduit between LCP-1601 & LCP-1601 Drop
  - Synagro PLC-20: New Enclosure, New Conduit and FO Cable is required between PLC-20 and PLC60
  - Synagro RIO-60: New Sunshield
  - Synagro RIO-10: New Conduit and FO Cable is required between PLC-5 and RIO-10
  - Synagro PLC-5 RIO: New Conduit and FO Cable is required between PLC-5 and PLC-5 RIO
7. The Owner has requested managed Switches for the project. Rocha Controls will supply the switches to the Owner for configuration to include but not be limited to assign IP address, install software and security patches, VLANs, etc.
8. Rocha Controls will provide continuous project coordinate but can not be held responsible for Schneider Electric material delays, weather delays, delays for staff or equipment operational availability and coordination with other on-going /future projects.
9. Work will be coordinated with Owner and Synagro. The Owner will be responsible for paying for sludge hauling requirements during the Construction Work. Rocha will adjust our project schedule as needed so we are working with the Owner when Synagro is scheduled to be shut down

**Attachment 4**

**Completion Schedule**

(See Attached)

**PINELLAS COUNTY  
PHASE 2 DB - QUANTUM AND UNITY UPGRADES**



Project: Pinellas County Quantum and Unity Upgrade  
Date: Sat 5/14/22

Task		Summary		External Milestone		Inactive Milestone		Duration-only		Start-only		External Milestone	
Split		Project Summary		Inactive Task		Inactive Summary		Manual Summary Rollup		Finish-only		Progress	
Milestone		External Tasks		Inactive Milestone		Manual Task		Manual Summary		External Tasks		Deadline	



**Attachment 5**  
**List of Subcontractors and Major Suppliers**

(See Attached)



**Contract # 190-0132-NC (PLU)**

**ATTACHMENT #5 - List of Potential Subcontractors and Major Suppliers**



**GENERAL NOTES**

1. Rocha Controls will be the sole source for the project. A Subcontractor will be required for pavement repair on LCPCHLOR and LCP-0111.

The potential firms are:

- ACPLM, Inc.
- Jown W Lord and Sons

2. There is one major supplier of SE hardware equipment:

- Advantage Industrial Automation
- Schneider Electric

190-0132-NC (PLU)

**Attachment 6**  
**Allowances**

(See Attached)



Contract # 190-0132-NC (SS)

ATTACHMENT #6 - Contingencies and Allowances



#### GENERAL NOTES

1. Provided is an allowance for Wonderware SCADA modifications for each facility.
  - a. South Cross Bayou Water Reclamation Facility - \$21,775
  - b. S.K. Kellar Water Treatment Facility - \$8,775
  - c. Dunn Water Reclamation Facility - \$11,675
  - d. Waste To Energy - \$12,375
  - e. Synagro - \$18,775
2. Provided is a 15% allowance for spare hardware equipment.
  - a. South Cross Bayou Water Reclamation Facility - \$140,056
  - b. S.K. Kellar Water Treatment Facility - \$29,197
  - c. Dunn Water Reclamation Facility - \$45,293
  - d. Waste To Energy - \$29,979
  - e. Synagro - \$32,135
3. Unforeseen/Unknown Conditions & Undefined Work - \$50,000
4. Material Cost Escalation Contingency.
  - a. South Cross Bayou Water Reclamation Facility - \$62,676
  - b. S.K. Kellar Water Treatment Facility - \$6,121
  - c. Dunn Water Reclamation Facility - \$15,538
  - d. Waste To Energy - \$10,766
  - e. Synagro - \$10,932