

# Welcome to the JEA Awards Meeting

You have been joined to the meeting with your **audio muted** by default.

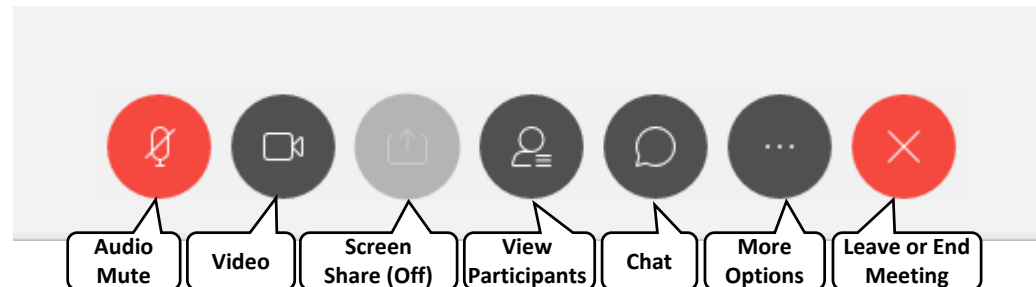
We will unmute your lines during the public comment time and provide opportunity for you to speak.

During the meeting, interested persons can also email **Halley Reiman** at **reimhj@jea.com** to submit public comments to be read during the meeting regarding any matter on the agenda for consideration.

Public comments by e-mail must be received no later than 9:00 a.m. to be read during the public comment portion of the meeting.

Please contact **Halley Reiman** by telephone at **(904) 665-8815** or by email at **reimhj@jea.com** if you experience any technical difficulties during the meeting.

Below is a summary of the meeting controls you will see at the bottom of your screen.



## **AWARDS COMMITTEE AGENDA**

**DATE:** Thursday, July 8, 2021

**TIME:** 10:00 A.M.

**PLACE:** JEA, Customer Center, Bid Office, 1st Floor, 21 West Church Street, Jacksonville, FL 32202 OR  
WebEx/Teleconference  
WebEx Meeting Number (access code): 160 199 4252  
WebEx Password: pxP6CqUSt63

### **Public Comments:**

### **Awards:**

1. Approval of the minutes from the last meeting (07/1/2021).
2. 1410330446 – Request approval to award a contract to Petticoat-Schmitt Civil Contractors, Inc. for construction services for the Galvanized Pipe Replacement Program College St. Area project in the amount of \$1,421,961.99, subject to the availability of lawfully appropriated funds.
3. Request approval to award a Contract Increase to APTIM Environmental & Infrastructure for professional services in the decommissioning of the SJRPP in the amount of \$1,186,248.00, for a new not-to-exceed amount of \$17,482,024.00, subject to the availability of lawfully appropriated funds.
4. 1410336846 – Request approval to award a contract to Cogburn Bros. Inc for heat trace services for in the amount of \$549,890.00, subject to the availability of lawfully appropriated funds.
5. **DEFERRED** - 113-15 Request approval to award a change order to Dis-Tran Packaged Substations LLC, for construction services for substation packaging services in the amount of \$1,058,548.00 for a new not-to-exceed amount of \$11,058,548.00, subject to the availability of lawfully appropriated funds.
6. Request approval to award a change order to Jacobs Engineering, Inc. for additional engineering and services during construction for the Buckman WRF Blower System Improvements project in the amount of \$413,667.00, for a new not-to-exceed amount of \$2,306,113.38, subject to the availability of lawfully appropriated funds.

**Informational Items:** N/A

**Open Discussion:** N/A

**Public Notice:** N/A

**General Business:** N/A

**SPECIAL NOTES:** Copies of the above items are available in JEA Procurement, if needed for review. If a person decides to appeal any decision made by the Awards Committee, with respect to any matter considered at this meeting, that person will need a record of the proceedings, and, for such purpose, needs to ensure that a verbatim record of the proceedings is made, which record includes the evidence and testimony upon which the appeal is to be based. If you have a disability that requires reasonable accommodations to participate in the above meeting, please call 665-8625 by 8:30 a.m. the day before the meeting and we will provide reasonable assistance for you.

## 07-08-2021 Awards Committee

<u>Award #</u>	<u>Type of Award</u>	<u>Business Unit</u>	<u>Estimated/ Budgeted Amount</u>	<u>Amount</u>	<u>Awardee</u>	<u>Term</u>	<u>Summary</u>
1	Minutes	N/A	N/A	N/A	N/A	N/A	Approval of minutes from the 07/01/2021 meeting.
2	Invitation for Bid (IFB) (5 bidders)	Vu	\$1,657,3670.00	\$1,421,961.99	PETTICOAT-SCHMITT CIVIL CONTRACTORS INC.	Project Completion (Expected: September 2021)	<p><b><u>Galvanized Pipe Replacement Program College St. Area</u></b></p> <p>The scope of work for this solicitation includes replacement the water distribution system within an existing residential community. The Contractor will install a total of 5,873 of pipe and associated fittings and appurtenances. The Contractor will abandon 2,460 linear feet of sewer force main that is out of service and within the proposed work zone. The Contractor will restore disturbed roadway, curb, driveways, sod, and storm drainage.</p> <p>Advertised on 05/17/2021. Eight (8) prime contractors attended the mandatory pre-bid meeting held on 05/25/2021. At Bid opening on 06/29/2021, JEA received five (5) Bids. JEA received a No Bid submission form from Jax Underground Utilities. Petticoat-Schmitt Civil Contractors, Inc. is the lowest responsive and responsible Bidder. A copy of the Bid Form and Workbook are attached as backup.</p> <p>The award amount of \$1,421,961.99 is approximately 14% lower than the budget estimate. At the time of this bid, JEA received feedback from contractors, JEA warehouse staff, and area material suppliers that PVC pipe and pipe fittings were experiencing price increases and long lead times. JEA decided to supply the long lead items in order to ensure a timely completion of this project. The project bids do not include cost of material. The current material quotes JEA has received total \$214,645.04. Combined with the apparent low bidder, this project amount is projected as \$1,636,607.03 or approximately 1% under the budget estimate.</p> <p>1410330446 – Request approval to award a contract to Petticoat-Schmitt Civil Contractors, Inc. for construction services for the Galvanized Pipe Replacement</p>

## 07-08-2021 Awards Committee

							Program College St. Area project in the amount of \$1,421,961.99.
3	Contract Increase	Erixton	\$1,186,200.00	\$1,186,200.00	APTIM ENVIRONMENTAL & INFRASTRUCTURE	Project Completion (October 2022)	<p><b><u>SJRPP Decommissioning Services – SJRCT Conveyor Demo</u></b></p> <p>Services of experienced consulting engineering firm that possesses technical expertise in the decommissioning of power plants (the “Company”). The particular areas of interest are permitting requirements in the State of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration (the “Work”). Expertise will also be required in decommissioning specification preparation and project management.</p> <p>Request approval to award a Contract Increase to APTIM Environmental &amp; Infrastructure for professional services in the decommissioning of the SJRPP in the amount of \$1,186,200.00, for a new not-to-exceed amount of \$17,481,981.00, subject to the availability of lawfully appropriated funds</p>
4	Invitation for Bid (IFB) (2 bidders)	Erixton	\$544,000.00	\$549,890.00	COGBURN BROS, INC.	Project Completion (Expected: 09/30/2023)	<p><b><u>Northside Generating Station Protection &amp; Controls Projects</u></b></p> <p>Construction services for JEA System Protection &amp; Control Projects include but are not limited to:</p> <ul style="list-style-type: none"> <li>• Installation of conduits in yard runs</li> <li>• Installation of control house and yard control cables</li> <li>• Providing personnel for onsite outage support</li> <li>• Removal the entire length of decommissioned cable (panel to panel and from the control house up to the equipment).</li> </ul> <p>1410336846 – Request approval to award a contract to Cogburn Bros. Inc for heat trace services for in the amount of \$549,890.00, subject to the availability of lawfully appropriated funds.</p>



## 07-08-2021 Awards Committee

5 - Defer	Defer	Defer	Defer	Defer	Defer	Defer	Defer
6	Change Order	Vu	N/A	\$413,667.00	JACOBS ENGINEERING GROUP INC.	Project Completion (Expected: March 2022)	<p><b><u>Buckman Wastewater Reclamation Facility (WRF) Blower System Improvements Project</u></b></p> <p>Provide engineering services for the Buckman WRF Blower System Improvements project. The engineering services shall include the study, preliminary design, 100% design, bid phase, and engineering support services during construction and acceptance testing. The current blowers installed in 2013 have not performed well for extended periods. The manufacturer of the current blowers has performed a significant amount of repairs and redesigns and the facility continues experiencing blower failures.</p> <p>This current award request is for a change order to the contract of Jacobs Engineering, Inc. for the Buckman WRF Blower System Improvements project. After Jacobs delivered the 90% design documents JEA decided to modify the design specifications due to a change in the proposed layout of other plant projects. The modifications include using the new building switchgear building for the switchgear and as a storage facility. The scope of this contract amendment includes the necessary modifications to the design to make this change to the structural design and additional site/civil modifications that are necessary. This amendment also adds funds for additional services during construction to coordinate with the CMAR firm performing the construction.</p> <p>Request approval to award a change order to Jacobs Engineering, Inc. for additional engineering and services during construction for the Buckman WRF Blower System Improvements project in the amount of \$413,667.00, for a new not-to-exceed amount of \$2,306,113.38.</p>
<b>Total Award</b>				\$3,571,718.99			

## **JEA AWARDS COMMITTEE JULY 1, 2021 MEETING MINUTES**

The JEA procurement Awards Committee met on July 1, 2021, in person with a WebEx option

WebEx Meeting Number (access code): 160 199 4252

WebEx Password: pxP6CqUSt63

Members in attendance were Jenny McCollum as Chairperson, Laure Whitmer as Budget Representative, Julie Davis as Office of General Counsel Representative; with Laura Dutton, Joe Orfano, Ricky Erixton, Steve Selders and Hai Vu.

Chair McCollum called the meeting to order at 10:00 a.m., introduced the Awards Committee Members, and confirmed that there was a quorum of the Committee membership present.

### **Public Comments:**

Chair McCollum recognized the public comment speaking period and opened the meeting floor to public comments. No public comments were provided by email, phone or videoconference.

### **Awards:**

1. Approval of the minutes from the last meeting (06/24/2021). Chair McCollum verbally presented the Committee Members the proposed June 24, 2021 minutes contained in the committee packet.

**MOTION:** Hai Vu made a motion to approve the June 24, 2021 minutes (Award Item 1). The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (5-0).

The Committee Members reviewed and discussed the following Awards Items 2-8:

2. 1410283446-21 - Request approval to award contracts to Stuart C Irby CO in the amount of \$3,725,329.20, Gresco Supply, Inc. in the amount of \$5,802,559.00 and Electric Supply Inc in the amount of \$3,025,313.00 for the supply of Streetlight Material for JEA Inventory Stock, for a total not-to-exceed amount of \$12,553,201.20, subject to the availability of lawfully appropriated funds.

**MOTION:** Steve Selders made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Ricky Erixton and approved unanimously by the Awards Committee (5-0).

3. Request approval of purchase from Knickerbocker Properties, Inc. for the subject property – Easement Acquisition Purchase in the amount of \$54,200.00, seller's attorney fees in a not to exceed amount of \$10,000.00, and \$20,000.00 for fence installation for a total not to exceed amount of \$84,200.00, subject to the availability of lawfully appropriated funds.

**MOTION:** Joe Orfano made a motion to approve Award Item 3 as presented in the committee packet. The motion was seconded by Hai Vu and approved unanimously by the Awards Committee (5-0).

4. Request approval to award a change order to Garney Companies Inc., for the purchase of major process equipment as part of the Southwest Water Reclamation Facility (WRF) Expansion in the amount of \$4,000,365.00, for a new not-to-exceed amount of \$10,700,665.00, subject to the availability of lawfully appropriated funds.

**MOTION:** Laura Dutton made a motion to approve Award Item 4 as presented in the committee packet. The motion was seconded by Hai Vu and approved unanimously by the Awards Committee (5-0).

5. Request approval to award payment to Florida Department of Transportation for FDOT SR 103 (Lane Avenue) from SR 208 (Wilson Boulevard) to SR 228 (Normandy Boulevard) Water Main Replacement project in the amount of \$423,469.42, subject to the availability of lawfully appropriated funds.

**MOTION:** Hai Vu made a motion to approve Award Item 5 as presented in the committee packet. The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (5-0).

6. Request approval to award a contract renewal and contract increase to USP Technologies for Wastewater Odor Control Chemicals in the amount of \$2,120,000.00, for a new not-to-exceed amount of \$8,616,500.00, subject to the availability of lawfully appropriated funds.

**MOTION:** Steve Selders made a motion to approve Award Item 6 as amended in the committee packet. The motion was seconded by Laura Dutton and approved unanimously by the Awards Committee (5-0).

7. 1410339646– Request approval to award a contract to Anderson Diving Inc. dba Logan Diving & Salvage to install 14 grout bag pier supports adjacent to eroded H-pile bent supports for the Mandarin Water Reclamation Facility in the amount of \$346,225.00, subject to the availability of lawfully appropriated funds.

**MOTION:** Hai Vu made a motion to approve Award Item 7 as presented in the committee packet. The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (5-0).

8. 1410334446 – Request approval to award a contract to Patriot Thermal Controls Inc for heat trace services for BBGS in the amount of \$320,163.00, subject to the availability of lawfully appropriated funds.

**MOTION:** Ricky Erixton made a motion to approve Award Item 8 as presented in the committee packet. The motion was seconded by Hai Vu and approved unanimously by the Awards Committee (5-0).

#### Informational Item:

No informational items were presented to the Awards Committee.

#### Ratifications:

No ratifications were presented to the Awards Committee.

#### Public Comments:

No additional public comment speaking period was taken.

#### Adjournment:

Chair McCollum adjourned the meeting at 10:44 a.m.

**NOTE:** These minutes provide a brief summary only of the Awards Committee meeting. For additional detail regarding the content of these minutes or discussions during the meeting, please review the meeting recording. The recording of this meeting as well as other relevant documents can be found at the link below: [https://www.jea.com/About/Procurement/Awards\\_Meeting\\_Agendas\\_and\\_Minutes/](https://www.jea.com/About/Procurement/Awards_Meeting_Agendas_and_Minutes/)



## Formal Bid and Award System

Award #2 July 8, 2021

**Type of Award Request:** INVITATION FOR BID (IFB)  
**Request #:** 149 & 150  
**Requestor Name:** Sencer, Justin B.  
**Requestor Phone:** (904) 665-6826  
**Project Title:** Galvanized Pipe Replacement Program College St. Area  
**Project Number:** 8007003 & 8007007  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** \$1,657,3670.00

**Scope of Work:**

The scope of work for this solicitation includes replacement the water distribution system within an existing residential community. The Contractor will install a total of 5,873 of pipe and associated fittings and appurtenances. The Contractor will abandon 2,460 linear feet of sewer force main that is out of service and within the proposed work zone. The Contractor will restore disturbed roadway, curb, driveways, sod, and storm drainage.

**JEA IFB/RFP/State/City/GSA#:** 1410330446  
**Purchasing Agent:** King, David  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
PETTICOAT-SCHMITT CIVIL CONTRACTORS INC.	Kimberly S. Bryan	kbryan@petticoatschmitt.com	6380 Philips Hwy Jacksonville, FL 32216	(904) 751- 0888	\$1,421,961.99

**Amount for entire term of Contract/PO:** \$1,421,961.99  
**Award Amount for remainder of this FY:** \$1,421,961.99  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 08/01/2021  
**End Date (mm/dd/yyyy):** Project Completion (Expected: September 2021)  
**JSEB Requirement:** Twelve Percent (12%) Requirement

**Comments on JSEB Requirements:**

DJ Contracting of Jacksonville, Inc. (Supply & Haul base/bituminous materials) - 3.63%  
M & J Striping, Inc. (Striping & Signage) - 1.25%  
Landscape Construction, LLC (Grassing) - 1.19%  
Garmon Trucking, Inc. (Hauling) - 3.01%  
Garmon Trucking, Inc. (Fill Dirt) - 2.92%  
Total: 12.0%

**BIDDERS:**

Name	Amount
PETTICOAT SCHMITT CIVIL CONTRACTORS INC.	\$1,421,961.99
CALLAWAY CONTRACTING	\$1,548,170.00
J.B. COXWELL CONTRACTING, INC.	\$1,714,527.10
T. B. LANDMARK CONSTRUCTION, INC.	\$2,123,456.70
T. G. UTILITY COMPANY, INC.	\$2,603,150.00
JAX UNDERGROUND UTILITIES, INC.	NO BID

**Background/Recommendations:**

Advertised on 05/17/2021. Eight (8) prime contractors attended the mandatory pre-bid meeting held on 05/25/2021. At Bid opening on 06/29/2021, JEA received five (5) Bids. JEA received a No Bid submission form from Jax Underground Utilities. Petticoat-Schmitt Civil Contractors, Inc. is the lowest responsive and responsible Bidder. A copy of the Bid Form and Workbook are attached as backup.

The award amount of \$1,421,961.99 is approximately 14% lower than the budget estimate. At the time of this bid, JEA received feedback from contractors, JEA warehouse staff, and area material suppliers that PVC pipe and pipe fittings were experiencing price increases and long lead times. JEA decided to supply the long lead items in order to ensure a timely completion of this project. The project bids do not include cost of material. The current material quotes JEA has received total \$214,645.04. Combined with the apparent low bidder, this project amount is projected as \$1,636,607.03 or approximately 1% under the budget estimate.

1410330446 – Request approval to award a contract to Petticoat-Schmitt Civil Contractors, Inc. for construction services for the Galvanized Pipe Replacement Program College St. Area project in the amount of \$1,421,961.99, subject to the availability of lawfully appropriated funds.

**Director:** Scheel, Jackie B- Dir WW/WW Reuse Delivery & Collection  
**VP:** Vu, Hai X. - VP Water Wastewater Systems

**APPROVALS:**

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**Chairman, Awards Committee****Date**

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**Budget Representative****Date**

Appendix B - Bid Form  
1410330446 Galvanized Pipe Replacement Program College St. Area

Submit the Bid electronically as described in section 1.1.3 of the Solicitation.

Company Name: Petticoat-Schmitt Civil Contractors, Inc.

Company's Address: 6380 Philips Hwy., Jacksonville, FL 32216

License Number: CGC #057651; CUC #057440

Phone Number: (904) 751-0888 FAX No: (904) 751-0988 Email Address: kbryan@petticoatschmitt.com

**BID SECURITY REQUIREMENTS**

- ☐ None required  
☒ Certified Check or Bond (Five Percent (5%))

**TERM OF CONTRACT**

- ☐ One Time Purchase  
☐ Annual Requirements  
☒ Other, Specify - Project Completion

**SAMPLE REQUIREMENTS**

- ☒ None required  
☐ Samples required prior to Bid Opening  
☐ Samples may be required subsequent to Bid Opening

**SECTION 255.05, FLORIDA STATUTES CONTRACT BOND**

- ☐ None required  
☒ Bond required 100% of Bid Award

**QUANTITIES**

- ☐ Quantities indicated are exacting  
☒ Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.

**INSURANCE REQUIREMENTS**

**Insurance required**

**PAYMENT DISCOUNTS**

- ☐ 1% 20, net 30  
☐ 2% 10, net 30  
☐ Other \_\_\_\_\_  
☒ None Offered

**ENTER YOUR BID FOR SOLICITATION 1410330446**

**TOTAL BID PRICE**

**Total Bid Price for the Project  
(enter total from cell G135 in the Bid Workbook)**

**\$** 1,421,961<sup>99</sup>

☒ **I have read and understood the Sunshine Law/Public Records clauses contained within this solicitation. I understand that in the absence of a redacted copy my proposal will be disclosed to the public "as-is".**

**BIDDER CERTIFICATION**

By submitting this Bid, the Bidder certifies that it has read and reviewed all of the documents pertaining to this Solicitation, that the person signing below is an authorized representative of the Bidding Company, that the Company is legally authorized to do business in the State of Florida, and that the Company maintains in active status an appropriate contractor's license for the work (if applicable). The Bidder also certifies that it complies with all sections (including but not limited to Conflict Of Interest and Ethics) of this Solicitation.

We have received addenda

1 through 3

  
Handwritten Signature of Authorized Officer of Company or Agent

6/29/21  
Date

Kimberly S. Bryan, Vice President  
Printed Name and Title

**1410330446 Addendum 3 Appendix B - Bid Workbook**  
**Galvanized Pipe Replacement Program College St. Area**  
(Only Complete the Prices in Yellow Cells)

**Galvanized Pipe Replacement Program - Packages C & G**  
**Package C**

**PART I - WATER MAIN CONSTRUCTION**

Item	Spec No.	Description	Est. Qty	Unit	Unit Price	Cost
1	801.III.2.2	Abandon 2" Galvanized Water Main by Plugging (JEA Supplied Material)	3	EA	\$ 285.00	\$ 855.00
2	801.XIII.1	2" HDPE SDR-9 CTS Water Main (JEA Supplied Material)	22	LF	\$ 15.00	\$ 330.00
3	801.XIV.7	Connect to Existing 2" Water Main (JEA Supplied Material)	1	EA	\$ 750.00	\$ 750.00
4	801.XIII.1	4" PVC DR-18 Water Main (JEA Supplied Pipe)	24	LF	\$ 70.00	\$ 1,680.00
5	801.XIII.2	4" DI MJ Cap, Tapped 2" (JEA Supplied Material)	1	EA	\$ 40.00	\$ 40.00
6	801.XIII.2	4" Gate Valve (JEA Supplied Material)	1	EA	\$ 225.00	\$ 225.00
7	801.XIV.4	Connect to Existing 6" Water Main: 6" x 6" Tapping Sleeve & Valve (JEA Supplied Material)	1	EA	\$ 7,500.00	\$ 7,500.00
8	801.XIV.7	Connect to Existing 6" Water Main (JEA Supplied Material)	1	EA	\$ 4,000.00	\$ 4,000.00
9	801.XIII.1	6" PVC DR-18 Water Main (JEA Supplied Pipe)	332	LF	\$ 100.00	\$ 33,200.00
10	801.XIII.2	6" Gate Valve (JEA Supplied Material)	4	EA	\$ 450.00	\$ 1,800.00
11	801.XIII.2	6" DI MJ 90 Degree Bend (JEA Supplied Material)	1	EA	\$ 75.00	\$ 75.00
12	801.XIII.2	6" DI MJ 45 Degree Bend (JEA Supplied Material)	2	EA	\$ 75.00	\$ 150.00
13	801.XIII.6	6" Pipe Bell Restraints (JEA Supplied Material)	1	EA	\$ 75.00	\$ 75.00
14	801.XIV.1	Fire Hydrant Assembly (JEA Supplied Material)	4	EA	\$ 1,700.00	\$ 6,800.00
15	801.XIV.4	Connect to Existing 12" Water Main: 12" x 8" Tapping Sleeve & Valve (JEA Supplied Material)	1	EA	\$ 7,500.00	\$ 7,500.00
16	801.XIII.1	8" PVC DR-18 Water Main (JEA Supplied Pipe)	2,210	LF	\$ 108.00	\$ 238,680.00
17	801.XIII.2	8" x 6" DI MJ Reducer (JEA Supplied Material)	1	EA	\$ 90.00	\$ 90.00
18	801.XIII.2	8" x 8"x 6" DI MJ Tee (JEA Supplied Material)	5	EA	\$ 125.00	\$ 625.00
19	801.XIII.2	8" x 8"x 4" DI MJ Tee (JEA Supplied Material)	1	EA	\$ 125.00	\$ 125.00
20	801.XIII.2	8" 45 Degree DI MJ Bend (JEA Supplied Material)	18	EA	\$ 90.00	\$ 1,620.00
21	801.XIII.2	8" Gate Valve (JEA Supplied Material)	2	EA	\$ 650.00	\$ 1,300.00
22	801.XIII.6	8" Pipe Bell Restraints (JEA Supplied Material)	22	EA	\$ 90.00	\$ 1,980.00
23	801.XIII.9	Remove & Replace Existing 1" Water Service - (Short) (JEA Supplied Material)	35	EA	\$ 450.00	\$ 15,750.00
24	801.XIII.9	Remove & Replace Existing 1" Water Service - (Long) (JEA Supplied Material)	21	EA	\$ 850.00	\$ 17,850.00
25	801.XIII.9	Remove & Relocate Existing 1" Water Service - (Short) (JEA Supplied Material)	5	EA	\$ 375.00	\$ 1,875.00
26	801.XIII.9	Remove & Relocate Existing 1" Water Service - (Long) (JEA Supplied Material)	18	EA	\$ 850.00	\$ 15,300.00
27	801.XIII.8	Furnish & Install New 1" Water Service - (Short) (JEA Supplied Material)	1	EA	\$ 550.00	\$ 550.00
28	801.XIII.8	Furnish & Install New 1" Water Service - (Long) (JEA Supplied Material)	1	EA	\$ 1,100.00	\$ 1,100.00
29	801.XIII.12	Temporary Sample Tap (W-25, W-26) (JEA Supplied Material)	5	EA	\$ 275.00	\$ 1,375.00
29	NA	Testing Allowance	1	LS		\$ 4,000.00
30	NA	SWA Allowance	1	LS		\$ 20,000.00
<b>Part I Water Main Subtotal</b>						<b>\$ 387,200.00</b>



**1410330446 Addendum 3 Appendix B - Bid Workbook**  
**Galvanized Pipe Replacement Program College St. Area**  
 (Only Complete the Prices in Yellow Cells)  
**Galvanized Pipe Replacement Program - Packages C & G**

**PART II - PAVING & DRAINAGE CONSTRUCTION**

Item	Spec No.	Description	Est. Qty	Unit	Unit Price	Cost
1	801.IX.1	Pavement Removal	1,793	SY	\$ 22.00	\$ 39,446.00
2	801.IX.2/S.C. 16	Case X Pavement Repair Permanent	1,793	SY	\$ 32.00	\$ 57,376.00
3	801.IX.6	1.5" Mill & Resurface	3,894	SY	\$ 17.00	\$ 66,198.00
4	801.X.1	Concrete Sidewalk Removal (all thicknesses)	47	SY	\$ 30.00	\$ 1,410.00
5	801.X.4	4" Thick Concrete Sidewalk Replacement	47	SY	\$ 110.00	\$ 5,170.00
6	801.X.2	Driveway Removal (all types)	416	SY	\$ 22.00	\$ 9,152.00
7	801.X.5	5" Thick Concrete Driveway	416	SY	\$ 85.00	\$ 35,360.00
8	801.XII.1	48" RCP	16	LF	\$ 1,000.00	\$ 16,000.00
9	801.III.2.4	Remove Storm Piping (All types/sizes)	16	LF	\$ 40.00	\$ 640.00
10	801.VIII	Sodding	173	SY	\$ 15.00	\$ 2,595.00
<b>Part II Paving &amp; Drainage Subtotal</b>						<b>\$ 233,347.00</b>

**PART III - FORCE MAIN CONSTRUCTION**

Item	Spec No.	Description	Est. Qty	Unit	Unit Price	Cost
1	801.III.2.3.	6" Force Main Grout Fill	2,460	LF	\$ 12.00	\$ 29,520.00
<b>Part III Force Main Subtotal</b>						<b>\$ 29,520.00</b>

**Package C PARTS I THRU III TOTAL \$ 650,067.00**

**General Conditions Percentage (10% max) 9.8% \$ 64,000.00**

**Package C Bid Total \$ 714,067.00**

**Package G**

**PART I - WATER MAIN CONSTRUCTION**

Item	Spec No.	Description	Est. Qty	Unit	Unit Price	Cost
1	801.III.2.2.	Abandon 2" Galvanized Water Main by Plugging (JEA Supplied Material)	6	EA	\$ 750.00	\$ 4,500.00
2	801.XIII.1	2" Plug (JEA Supplied Material)	6	EA	\$ 40.00	\$ 240.00
3	801.XIV.7.	Connect to Existing 4" Water Main 4" x 4" Tapping Sleeve & Valve (JEA Supplied Material)	-	EA		\$ -
4	801.XIV.7	Connect to Existing 4" Water Main (JEA Supplied Material)	1	EA	\$ 2,250.00	\$ 2,250.00
5	801.XIII.1	4" PVC DR-18 Water Main (JEA Supplied Pipe)	220	LF	\$ 75.00	\$ 16,500.00
6	801.XIII.2	2" DI MJ Cap, Tapped 2" (JEA Supplied Material)	1	EA	\$ 45.00	\$ 45.00
7	801.XIII.2	4" DI MJ 45 Degree Bend (JEA Supplied Material)	4	EA	\$ 60.00	\$ 240.00
8	801.XIII.2	4" Gate Valve with C.I. Valve Box (JEA Supplied Material)	1	EA	\$ 45.00	\$ 45.00
9	801.XIII.6	4" Pipe Bell Restraints (JEA Supplied Material)	3	EA	\$ 60.00	\$ 180.00
10	801.XIII.2	6" x 4" DI MJ Reducer (JEA Supplied Material)	1	EA	\$ 75.00	\$ 75.00
11	801.XIV.4	Connect to Existing 6" Water Main: 6" x 6" Tapping Sleeve & Valve (JEA Supplied Material)	1	EA	\$ 7,500.00	\$ 7,500.00
12	801.XIV.4	Connect to Existing 6" Water Main: 8" x 6" Tapping Sleeve & Valve (JEA Supplied Material)	-	EA		\$ -
13	801.XIV.7	Connect to Existing 6" Water Main (JEA Supplied Material)	1	EA	\$ 4,000.00	\$ 4,000.00
14	801.XIII.1	6" PVC DR-18 Water Main (JEA Supplied Pipe)	2,150	LF	\$ 100.00	\$ 215,000.00
15	801.XIII.2	6" Gate Valve w/C.I. Valve Box (JEA Supplied Material)	11	EA	\$ 450.00	\$ 4,950.00
16	801.XIII.2	6" DI MJ Tee (JEA Supplied Material)	5	EA	\$ 100.00	\$ 500.00
17	801.XIII.2	6" DI MJ 11.25 Degree Bend (JEA Supplied Material)	17	EA	\$ 75.00	\$ 1,275.00
18	801.XIII.2	6" DI MJ 22.5 Degree Bend (JEA Supplied Material)	10	EA	\$ 30.00	\$ 300.00
19	801.XIII.2	6" DI MJ 45 Degree Bend (JEA Supplied Material)	10	EA	\$ 75.00	\$ 750.00
20	801.XIII.6	6" Pipe Bell Restraints (JEA Supplied Material)	39	EA	\$ 30.00	\$ 1,170.00
21	801.XIV.1	Fire Hydrant Assembly (JEA Supplied Material)	5	EA	\$ 1,700.00	\$ 8,500.00
22	801.XIV.4	Connect to Existing 8" Water Main: 8" x 8" Tapping Sleeve & Valve (JEA Supplied Material)	1	EA	\$ 8,500.00	\$ 8,500.00
23	801.XIV.7	Connect to Existing 8" Water Main (JEA Supplied Material)	1	EA	\$ 6,000.00	\$ 6,000.00



**1410330446 Addendum 3 Appendix B - Bid Workbook**  
**Galvanized Pipe Replacement Program College St. Area**  
(Only Complete the Prices in Yellow Cells)

**Galvanized Pipe Replacement Program - Packages C & G**

24	801.XIII.1	8" PVC DR-18 Water Main (JEA Supplied Pipe)	740	LF	\$ 108.00	\$ 79,920.00
25	801.XIII.2	8" x 6" DI MJ Reducer (JEA Supplied Material)	4	EA	\$ 90.00	\$ 360.00
26	801.XIII.2	8" x 8"x 6" DI MJ Tee (JEA Supplied Material)	2	EA	\$ 40.00	\$ 80.00
27	801.XIII.2	8" x 8"x 8" DI MJ Tee (JEA Supplied Material)	1	EA	\$ 150.00	\$ 150.00
28	801.XIII.2	8" 11.25 Degree DI MJ Bend (JEA Supplied Material)	2	EA	\$ 40.00	\$ 80.00
29	801.XIII.2	8" 45 Degree DI MJ Bend (JEA Supplied Material)	12	EA	\$ 90.00	\$ 1,080.00
30	801.XIII.2	8" Gate Valve (JEA Supplied Material)	3	EA	\$ 300.00	\$ 900.00
31	801.XIII.6	8" Pipe Bell Restraints (JEA Supplied Material)	14	EA	\$ 40.00	\$ 560.00
32	801.XIII.1	18" DR-17 HDPE DIPS Pipe [for casing] (JEA Supplied Material)	160	LF	\$ 45.00	\$ 7,200.00
33	801.XIII.9.	Remove & Replace Existing 1" Water Service - (Short) (JEA Supplied Material)	16	EA	\$ 450.00	\$ 7,200.00
34	801.XIII.9.	Remove & Replace Existing 1" Water Service - (Long) (JEA Supplied Material)	12	EA	\$ 850.00	\$ 10,200.00
35	801.XIII.9.	Remove & Relocate Existing 1" Water Service - (Short) (JEA Supplied Material)	1	EA	\$ 375.00	\$ 375.00
36	801.XIII.8	Furnish & Install New 1" Water Service - (Short) (JEA Supplied Material)	8	EA	\$ 550.00	\$ 4,400.00
37	801.XIII.8	Furnish & Install New 1" Water Service - (Long) (JEA Supplied Material)	16	EA	\$ 1,100.00	\$ 17,600.00
38	801.XIII.12	Temporary Sample Tap (W-25, W-26) (JEA Supplied Material)	7	EA	\$ 275.00	\$ 1,925.00
39	801.IV.4	AASHTO Class A-3 Soil	288	CY	\$ 30.00	\$ 8,640.00
40	N/A	Testing Allowance	1	LS		\$ 4,000.00
41	N/A	SWA Allowance	1	LS		\$ 20,000.00
<b>Part I Water Main Subtotal</b>						<b>\$ 447,190.00</b>

**PART II - PAVING & DRAINAGE CONSTRUCTION**

Item	Spec No.	Description	Est. Qty	Unit	Unit Price	Cost
1	801.IX.1	Pavement Removal	615	SY	\$ 19.00	\$ 11,685.00
2	801.IX.2/S.C. 16	Case X Pavement Repair Permanent	615	SY	\$ 36.00	\$ 22,140.00
3	801.IX.6	1.5" Mill & Resurface	1,629	SY	\$ 24.00	\$ 39,096.00
4	801.X.1	Concrete Sidewalk Removal (all thicknesses)	659	SY	\$ 14.00	\$ 9,226.00
5	801.X.4	4" Thick Concrete Sidewalk Replacement	646	SY	\$ 58.00	\$ 37,468.00
6	801.X.2	Driveway Removal (all types)	500	SY	\$ 14.00	\$ 7,000.00
7	801.X.5	5" Thick Concrete Driveway	75	SY	\$ 110.00	\$ 8,250.00
8	801.X.5	Asphalt/Dirt Driveway	425	SY	\$ 30.00	\$ 12,750.00
9	801.X.5	ADA Ramp Installation	7	EA	\$ 1,350.00	\$ 9,450.00
10	801.X.3	Removal Of Curb And Gutter (No scope in project)	-	LF		\$ -
11	801.X.6.	Installation Of Curb And Gutter (No scope in project)	-	LF		\$ -
12	801.XII.1	12", 15", and 18" RCP	200	LF	\$ 105.00	\$ 21,000.00
13	801.III.2.4	Remove Storm Piping (All types/sizes)	150	LF	\$ 28.00	\$ 4,200.00
14	801.VIII	Sodding	1,444	SY	\$ 10.00	\$ 14,440.00
<b>Part II Paving &amp; Drainage Subtotal</b>						<b>\$ 196,705.00</b>

**Package G PARTS I THRU IV TOTAL** **\$ 643,895.00**

**General Conditions Percentage (10% max)** **9.9%** **\$ 64,000.00**

**Package G Bid Total** **\$ 707,895.00**

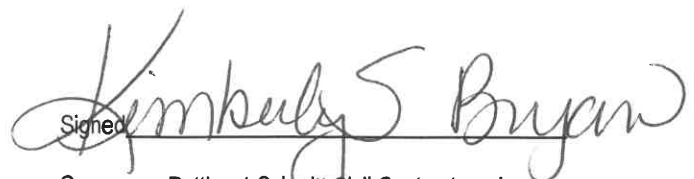
**Total Bid Price (Packages C & G, transfer total to Page 1 Appendix B - Bid Form)** **\$ 1,421,961.99**

**Total Bid Price less General Conditions, SWAs and Allowances:** **\$ 1,245,962.00**  
**JSEB Requirement:** **12%**  
**JSEB Requirement (dollars):** **\$ 149,515.44**

### LIST OF JSEB SUBCONTRACTORS

The following JSEB Subcontractors will be utilized in fulfilling the terms and conditions of a Project Authorization arising from award of JEA -1410330446. I (We) the undersigned understand that failure to submit said information will result in bid rejection. I (We) will employ the JSEB Subcontractors specified below: (Use additional sheets as necessary)

Class of Work (Category)	*Name of JSEB Contractor (Indicate below)	Percentage of Total Job or Dollar Amount
Supply haul base/bituminous materials	DJ Contracting of Jacksonville, Inc.	3.63%
Striping & Signage	M & J Striping, Inc.	1.25%
Grassing	Landscape Construction, LLC.	1.19%
Hauling	Garmon Trucking, Inc.	3.01%
Fill Dirt	Garmon Trucking, Inc.	2.92%

Signed 

Company Petticoat-Schmitt Civil Contractors, Inc.

Address 6380 Philips Hwy., Jacksonville, FL 32216

Date: 6/29/21

Note: This list shall not be modified subsequent to bid opening without a showing of good cause and the written consent of the JEA.



## Formal Bid and Award System

Award #3 July 8, 2021

**Type of Award Request:** CONTRACT INCREASE

**Request #:** 6235

**Requestor Name:** AKRAYI, JAMILA

**Requestor Phone:** 904 - 665-6171

**Project Title:** SJRPP Decommissioning Services – SJRCT Conveyor Demo

**Project Number:** 8004361

**Project Location:** JEA

**Funds:** CAPITAL

**Budget Estimate:** \$1,186,200.00

**Scope of Work:**

JEA is seeking the services of experienced consulting engineering firm that possesses technical expertise in the decommissioning of power plants (the “Company”). The particular areas of interest are permitting requirements in the State of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration (the “Work”). Expertise will also be required in decommissioning specification preparation and project management. JEA intends to Award one (1) Contract for the Work, and the Company shall be compensated for actual work performed based on the negotiated fixed rates.

**JEA IFB/RFP/State/City/GSA#:** 109-17 / CPA #167305

**Purchasing Agent:** Lovgren, Rodney D.

**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Address	Phone	Amount
APTIM ENVIRONMENTAL & INFRASTRUCTURE	Francis M. Noonan	1228 Winter Garden Vineland Rd. Winter Garden FL 34787	(904) 636-9360	\$1,186,200.00

**Amount of Original Award:** \$6,082,658.00

**Date of Original Award:** 08/03/2017

**Change Order Amount:** \$1,186,200.00

**List of Previous Change Order/Amendments:**

CPA #	Amount	Date
167305	\$5,926,123.00	05/10/2018
167305	\$2,222,500.00	12/05/2019
167305	\$1,764,500.00	08/13/2020
1673056	\$300,000.00	6/15/2021

**New Not-To-Exceed Amount:** \$17,481,981.00

**Length of Contract/PO Term:** Project Completion

**Begin Date (mm/dd/yyyy):** 08/11/2017

**End Date (mm/dd/yyyy):** Project Completion (October 2022)

**JSEB Requirement:** Ten Percent (10%) Goal

**Comments on JSEB Requirements:**

Original Award: Twenty Percent (20%) – Garmon Trucking, DJ Contracting, I-Tech

Contract Amendment #1 – No JSEB Impact

Contract Amendment #2 – No JSEB Impact

Contract Amendment #3 – No JSEB Impact

Contract Amendment #4 – No JSEB Impact

**Background/Recommendations:**

Originally solicited and approved by the Awards Committee on 08/03/2017 to CB&I Environmental & Infrastructure, Inc., for \$6,082,658.00. A copy of the original award is attached as back-up. It should be noted that during contract execution, CB&I provided documentation regarding their environmental and infrastructure services business unit sale, and reincorporation as APTIM Environmental & Infrastructure, owned by Veritas. JEA executed the contract with APTIM.

- The Original Award was for the specification development and project management services for demolition of the site.
- Change order 1 added funds for cleaning services to start demolition, this scope was removed from the demolition contractors scope.
- Change order 2 added funds for water treatment plant operations during demolition.
- Change order 3 added funds to continue landfill operations.
- Change order 4 added funds to support landfill closure.

This change order is to provide funding to project manage and oversee the demolition and rehabilitation of the St. John's River Coal Terminal. This work was previously on hold and has been released and awarded to GSD Trading Inc.

Note, the work being performed under this contract will be reimbursed twenty percent (20%) by Florida Power & Light.

Request approval to award a Contract Increase to APTIM Environmental & Infrastructure for professional services in the decommissioning of the SJRPP in the amount of \$1,186,200.00, for a new not-to-exceed amount of \$17,481,981.00, subject to the availability of lawfully appropriated funds.

**Director:** Limbaugh, Margaret Z. - Dir Energy Project

**Sr. Director:** Kipp, James R. - Sr Dir Generation

**VP:** Erixton, Ricky D. - VP Electric Systems

**APPROVALS:**

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**Chairman, Awards Committee**

**Date**

---

**Budget Representative**

**Date**



**Gene Scott, P.E.**  
Director, Power/Industrial Decommissioning  
Industrial, Commercial & Power

APTIM  
5690 DTC Blvd.; Ste 600W  
Greenwood Village, CO 80111  
Tel: +1 303 741 7404  
Mob: +1 303 882 2991  
gene.scott@aptim.com

June 21, 2021

Jamila Akrayi  
JEA  
Manager, Project Management  
4377 Heckscher Drive  
Jacksonville, FL 32226

**Subject: Professional Services for Demolition Management of the St. Johns River Coal Terminal (SJRCT) and Conveyor Systems**

Dear Jamila:

*(Please note that this letter is identical to our letter dated June 16, 2021 except for the addition of Travis Gillespie as Contracts Specialist to our proposed staff. This increases our estimated costs by \$24,960 for a new total of \$1,186,243)*

APTIM looks forward to the opportunity to provide the required permitting, demolition planning, preparation, and project management services needed for the demolition of the SJRCT and associated conveyor systems. Given the project level of effort and the necessity to cover two proposed work fronts simultaneously on the project (marine and land-based activities), APTIM estimates the following personnel resources for this project:

<b>APTIM Personnel Resource</b>	<b>% Utilization on the Project</b>
One Project Director	25%
One Project Manager	100%
One Construction Manager	100%
One Field Engineer	100%
One Project Accountant	25%
One Contracts Specialist	20%
<b>Total Estimated Cost:</b>	<b>\$1,186,243</b>



These APTIM resources are based on a standard 40 hours per week schedule (8 hours per day, 5 days per week). If the Contractor(s) choose to work a standard 50 hours per week (10 hours per day, 5 days per week) then APTIM resources can be effectively staggered and overlapped to maintain 40 hours per week to optimize cost.

If the Contractor(s) are approved to work extended hours on any given day or the weekends (i.e., beyond the standard 50-hour work week), then APTIM would invoice any resource working the extended hours on a per-hour rate as follows:

<b>APTIM Personnel Resource</b>	<b>Rate per Hour After 50 Hours per Week</b>
Project Manager	\$165
Construction Manager	\$145
Field Engineer	\$105

Thank you for this opportunity to provide our services on the important project. If you have any questions or require additional information, please contact me at (303) 882-2991.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Gene Scott', with a long, sweeping horizontal line extending to the right.

Gene Scott, P.E.  
Director, Power/Industrial Decommissioning  
APTIM Environmental & Infrastructure, Inc.



## Formal Bid and Award System

Award #7 August 13, 2020

**Type of Award Request:** CHANGE ORDER**Request #:** 6235**Requestor Name:** Pinkstaff, Larry G. - Dir Energy Project Mgmt & Joint Assets**Requestor Phone:** 904-665-4566**Project Title:** SJRPP Decommissioning Services**Project Number:** 8004361**Project Location:** JEA**Funds:** O&M**Budget Estimate:** N/A**Scope of Work:**

JEA is seeking the services of experienced consulting engineering firm that possesses technical expertise in the decommissioning of power plants (the "Company"). The particular areas of interest are permitting requirements in the State of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration (the "Work"). Expertise will also be required in decommissioning specification preparation and project management. JEA intends to Award one (1) Contract for the Work, and the Company shall be compensated for actual work performed based on the negotiated fixed rates.

The professional services the selected Company will provide, include, however are not limited to:

- Design criteria development for future solicitations,
- Provide Subject Matter Expert (SME) support on future solicitation evaluations,
- Project management and engineering oversight on future decommissioning, demolition and remediation work, and;
- Provide project management service through final site restoration (estimate two (2) years to completion)

**JEA IFB/RFP/State/City/GSA#:** 109-17 / CPA # 167305**Purchasing Agent:** Lovgren, Rodney D.**Is this a Ratification?:** NO**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Address	Phone	Amount
APTIM ENVIRONMENTAL & INFRASTRUCTURE	Francis M. Noonan	1228 Winter Garden Vineland Rd. Winter Garden FL 34787	(904) 636-9360	\$1,764,500.00

**Amount of Original Award:** \$6,082,658.00**Date of Original Award:** 08/03/2017**Change Order Amount:** \$1,764,500.00**List of Previous Change Order/Amendments:**

CPA #	Amount	Date
167305	\$5,926,123.00	05/10/2018
167305	\$2,222,500.00	12/05/2019

**New Not-To-Exceed Amount:** \$15,995,781.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 08/11/2017  
**End Date (mm/dd/yyyy):** Project Completion (November 2020)  
**JSEB Requirement:** Ten Percent (10%) Goal

**Comments on JSEB Requirements:**

Original Award: Twenty Percent (20%) – Garmon Trucking, DJ Contracting, I-Tech

**Background/Recommendations:**

Originally solicited and approved by the Awards Committee on 08/03/2017 to CB&I Environmental & Infrastructure, Inc., for \$6,082,658.00. A copy of the original award is attached as back-up. It should be noted that during contract execution, CB&I provided documentation regarding their environmental and infrastructure services business unit sale, and reincorporation as APTIM Environmental & Infrastructure, owned by Veritas. JEA executed the contract with APTIM.

Two previous change orders were processed for \$5,926,123.00 in May 2018, and \$2,222,500.00 December of 2019 for the continuation of decommissioning services.

This change order is to provide project management and oversee the project through the revised schedule for demolition completion by September 2020, and remediation completion November 2020. This change order includes new completion dates of the site as well as hours for the demolition of conveyor and hours for closure of the active landfill.

Note, the work being performed under this contract will be reimbursed by twenty percent (20%) by Florida Power & Light.


Request approval to award a change order to APTIM Environmental & Infrastructure for professional services in the decommissioning of the SJRPP in the amount of \$1,764,500.00, for a new not-to-exceed amount of \$15,995,781.00, subject to the availability of lawfully appropriated funds.

**Director:** Pinkstaff, Larry G. - Dir Energy Project Mgmt & Joint Assets  
**Sr. Director:** Acs, Gabor - Sr Dir Engineering & Projects  
**VP:** Ricky Erixton – Interim GM Electric Systems

**APPROVALS:**


08/13/2020

**Chairman, Awards Committee** **Date**


8/17/2020

**Budget Representative** **Date**



## CBI Proposal Engineer/Consultant Cost

Position	Rate - \$/Hr	Hours	Cost
Project Manager	\$225.00	5,040	\$1,134,000
Project Accountant	\$82.00	3,900	\$319,800
Lead Environmental	\$130.00	2,160	\$280,800
Lead Senior Engineer	\$175.00	4,100	\$717,500
Technical Advisor	\$200.00	1,700	\$340,000
Safety Site Manager	\$155.00	4,080	\$632,400
Security Specialist	\$100.00	0	\$0
Permitting	\$130.00	1,656	\$215,280
Geotechnical	\$150.00	1,900	\$285,000
On-Site Engineering	\$140.00	3,531	\$494,340
Contract Manager	\$155.00	3,200	\$496,000
Contract Manager	\$155.00	3,200	\$496,000
Contract Manager	\$155.00	2,000	\$310,000
Site Operator	\$100.00	960	\$96,000
Surveyor	\$150.00	414	\$62,100
Equipment Charges			\$213,408
CO #1 Senior Engineer <sup>1</sup>	\$175.00	3,840	\$672,000
CO #1 Engineer <sup>2</sup>	\$140.00	3,840	\$537,600
CO #1 Site Operator <sup>3</sup>	\$100.00	14,908	\$1,490,800
CO # Site Operator <sup>4</sup>	\$100.00	15,000	\$1,500,000
CO #1 Site Operator <sup>5</sup>	\$100.00	15,000	\$1,500,000
CO #1 (See attached quote)			\$225,723
CO #2 Senior Engineer	\$175.00	3,500	\$612,500
CO #2 Engineer	\$140.00	4,000	\$560,000
CO #2 Site Operator	\$100.00	10,500	\$1,050,000

CO #3 Senior Engineer	\$175.00	3,900	\$682,500
CO #3 Engineer	\$140.00	7,500	\$1,050,000
CO #3 Site Operator	\$100.00	320	\$32,000
		Change Order 3 Total	\$1,764,500
		Change Order 2 Total	\$2,222,500
		Change Order 1 Total	\$5,926,123
		Original Award	\$6,082,658
		Total New Award	\$15,995,781

CBI Proposal Engineer/Consultant Cost

Position	Rate - \$/Hr	Hours	Cost
Project Manager	\$225.00	5,040	\$1,134,000
Project Accountant	\$82.00	3,900	\$319,800
Lead Environmental	\$130.00	2,160	\$280,800
Lead Senior Engineer	\$175.00	4,100	\$717,500
Technical Advisor	\$200.00	1,700	\$340,000
Safety Site Manager	\$155.00	4,080	\$632,400
Security Specialist	\$100.00	0	\$0
Permitting	\$130.00	1,656	\$215,280
Geotechnical	\$150.00	1,900	\$285,000
On-Site Engineering	\$140.00	3,531	\$494,340
Contract Manager	\$155.00	3,200	\$496,000
Contract Manager	\$155.00	3,200	\$496,000
Contract Manager	\$155.00	2,000	\$310,000
Site Operator	\$100.00	960	\$96,000
Surveyor	\$150.00	414	\$62,100
Equipment Charges			\$213,408
Change #1 Senior Engineer <sup>1</sup>	\$175.00	3,840	\$672,000
Change #1 Engineer <sup>2</sup>	\$140.00	3,840	\$537,600
Change #1 Site Operator <sup>3</sup>	\$100.00	14,908	\$1,490,800
Change #2 Site Operator <sup>4</sup>	\$100.00	15,000	\$1,500,000
Change #3 Site Operator <sup>5</sup>	\$100.00	15,000	\$1,500,000
Change #4 (See attached quote)			\$225,723
<sup>1</sup> 6 months x 4 engineers		Change Order Total	\$5,926,123
<sup>2</sup> 6 months x 4 engineers		Original Award	\$6,082,658
<sup>3</sup> 6 months x 15 operators		Total New Award	\$12,008,781
<sup>4,5</sup> 24 months x 3 operators + 1 part-time as required			

# CBI Proposal

## Engineer/Consultant Cost

Position	Rate - \$/Hr	Hours
Project Manager	\$225.00	5,040
Project Accountant	\$82.00	4,000
Lead Environmental	\$130.00	2,160
Lead Senior Engineer	\$175.00	4,100
Technical Advisor	\$200.00	1,741
Safety Specialist	\$102.00	4,280
Security Specialist	\$100.00	800
Permitting	\$130.00	1,656
Geotechnical*	\$150.00	2,090
On-Site Engineering	\$140.00	3,531
Contract Manager	\$155.00	3,200
Contract Manager	\$155.00	3,200
Contract Manager	\$155.00	2,400
Site Operator*	\$100.00	960
Surveyor*	\$150.00	414
Equipment Charges		
TOTALS		39,572

	Cash flow		
	2 months	12 months	12 months
Cost	FY17	FY18	FY19
\$1,134,000	\$87,230.77	\$523,384.62	\$523,384.62
\$328,000	\$25,230.77	\$151,384.62	\$151,384.62
\$280,800	\$21,600.00	\$129,600.00	\$129,600.00
\$717,500	\$55,192.31	\$331,153.85	\$331,153.85
\$348,200	\$26,784.62	\$160,707.69	\$160,707.69
\$436,560	\$0	\$218,280	\$218,280
\$80,000	\$0	\$40,000	\$40,000
\$215,280	\$16,560.00	\$99,360.00	\$99,360.00
\$313,500	\$0	\$156,750	\$156,750
\$494,340	\$0	\$247,170	\$247,170
\$496,000	\$0	\$248,000	\$248,000
\$496,000	\$0	\$248,000	\$248,000
\$372,000	\$0	\$186,000	\$186,000
\$96,000	\$0	\$48,000	\$48,000
\$62,100	\$0	\$31,050	\$31,050
\$213,408	\$0	\$0	\$213,408
6,083,688	\$232,598	\$2,818,841	\$3,032,249

Budget Values		
\$232,598	\$2,818,841	\$3,032,249
	Total	\$6,083,688



## Formal Bid and Award System

CPA 167305

Award #2 May 10, 2018

**Type of Award Request:** CHANGE ORDER  
**Request #:** 6235  
**Requestor Name:** Larry Pinkstaff  
**Requestor Phone:** (904) 665-4566  
**Project Title:** SJRPP Decommissioning Services  
**Project Number:** 8004361  
**Project Location:** JEA  
**Funds:** Capital  
**Award Estimate:** N/A

### Scope of Work:

JEA is seeking the services of experienced consulting engineering firms that possess technical expertise in the decommissioning of power plants. The particular areas of interest are permitting requirements in the state of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration. Expertise will also be required in construction specification preparation and project management. Work will be issued to the successful firm via a purchase order prior to the prosecution of work. The Consultant/Engineer shall be compensated for actual work performed based on the fixed rates submitted with this proposal package.

**JEA IFB/RFP/ITN#:** 109-17  
**Purchasing Agent:** Lovgren, Rodney D.  
**Is this a Ratification?:** YES

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Address	Phone	Amount
APTIM ENVIRONMENTAL & INFRASTRUCTURE, INC.	Francis M Noonan	1228 Winter Garden Vineland Rd Winter Garden FL 34787	(904) 636-9360	\$5,926,123.00

**Amount of Original Award:** \$6,082,658.00  
**Date of Original Award:** 08/03/2017  
**Change Order Amount:** \$5,926,123.00  
**New Not-To-Exceed Amount:** \$12,008,781.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 08/11/2017  
**End Date (mm/dd/yyyy):** Project Completion (Estimated September 2019)  
**JSEB Requirement:** Ten Percent (10%) Goal

### Comments on JSEB Requirements:

Original award: Twenty Percent (20%) Proposed – JEA and APTIM will continue to monitor JSEB in accordance with the goals set in the original award.

**Background/Recommendations:**

Originally solicited and approved by the Awards Committee on 08/03/2017 to CB&I Environmental & Infrastructure, Inc., for \$6,082,658.00. A copy of the original award is attached as back-up. During contract execution, CB&I provided documentation regarding their environmental and infrastructure services business unit sale and reincorporation as APTIM Environmental & Infrastructure, owned by Veritas. JEA executed the contract with APTIM.

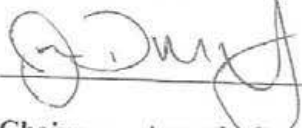
The professional services proposal was evaluated as the most qualified and the rates were negotiated. The initial services selected were for writing the demolition & remediation specifications and performing contract management. The hours for the selected services were estimated by JEA and the contract value was established at \$6,082,658.00.

The original professional services specification provided add-in options that would allow JEA to leverage APTIM's current work. This proposed increase in contract value corresponds to decommissioning shutdown and cleaning, wastewater, landfill maintenance and landfill closure. This proposed change order is further outlined in the attached backup. The award request is for the full change order amount, with 20% to be reimbursed by Florida Power & Light.

Request approval to award a change order to APTIM Environmental & Infrastructure for professional services in the decommissioning of the SJRPP in the amount of \$5,926,123.00, for a new not-to-exceed amount of \$12,008,781.00, subject to the availability of lawfully appropriated funds.

**Director:** Pinkstaff, Larry G. - Director, Joint Owned Electric Assets  
**VP:** Brost, Mike J. - VP/GM Electric Systems

**APPROVALS:**

 5-10-18  
Chairman, Awards Committee Date

\_\_\_\_\_  
Manager, Capital Budget Planning Date



CPA167305

Approved by the JEA Awards Committee  
Date 8/3/17 Item # 5

## Formal Bid and Award System

Award #5 August 3, 2017

Type of Award Request: PROPOSAL (RFP)  
 Request #: 3941  
 Requestor Name: Bradley, Larry F.  
 Requestor Phone: (904) 665-8728  
 Project Title: SJRPP Decommissioning Services  
 Project Number: 000467  
 Project Location: SJRPP  
 Funds: Capital and O&M  
 Award Estimate: \$6,721,000.00

## Scope of Work:

JEA is seeking the services of experienced consulting engineering firms that possess technical expertise in the decommissioning of power plants. The particular areas of interest are permitting requirements in the state of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration. Expertise will also be required in construction specification preparation and project management. Work will be issued to the successful firm via a purchase order prior to the prosecution of work. The Consultant/Engineer shall be compensated for actual work performed based on the fixed rates submitted with this proposal package.

JEA IFB/RFP/State/City/GSA#: 109-17  
 Purchasing Agent: Lovgren, Rodney Dennis  
 Is this a Ratification?: NO

## RECOMMENDED AWARDEE(S):

Name	Contact Name	Address	Phone	Amount
CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.	Kenneth Beard	9143 Phillips Highway, Suite 400 Jacksonville, FL 32256	(720) 554-8117	\$6,082,658.00

Amount for entire term of Contract/PO: \$6,082,658.00  
 Award Amount for remainder of this FY: \$200,000.00  
 Length of Contract/PO Term: Project Completion  
 Begin Date (mm/dd/yyyy): 08/11/2017  
 End Date (mm/dd/yyyy): Project Completion  
 JSEB Requirement: Ten percent (10%) Goal, 20% Proposed

## Comments on JSEB Requirements:

Environmental Resource Solutions -4%; I-Tech Resources -10%; Meskel & Associates -5%; R E Holland & Assoc. -1%



**BIDDERS:**

Name	Amount	Rank	SCORES
CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.	\$6,082,658.00	1	73.0
BURNS & MCDONNELL		2	70.1
BLACK AND VEATCH		3	66.1
AMEC FOSTER WHEELER		4	67.0
ERM - SOUTHEAST		5	57.4
TRC ENGINEERS INC.		5	57.6

**Background/Recommendations:**

Advertised 06/05/2017. Fourteen (14) companies attended the pre-response meeting on 06/16/2017. At Proposal opening on 06/27/2017, JEA received six (6) Proposals. The public evaluation meeting was held on 07/13/17, and JEA deemed Burns and MacDonald the most qualified to perform the work.

On 07/14/2017, CB&I Environmental & Infrastructure, Inc. submitted a protest letter regarding JEA's final evaluation rankings regarding the scoring of Project Manager Proximity for TRC, stating they did not have a local office. On 07/20/2017 an informal Chief Procurement Officer (CPO) protest meeting was held. JEA determined the project manager proximity ranking for TRC was for the Lead Environmental Engineer, not the Project Manager, which required rescoring of the proximity points. The rescoring deemed CB&I the most qualified to perform the work. The CPO decision letter, evaluation summary matrix and negotiated fees is attached as back-up.

This contract is to engage an engineering firm, familiar with power plant decommissioning, to provide specifications for bidding a demolition and a remediation contract. The firm shall also provide resources for managing the field work associated with the entire decommissioning process.

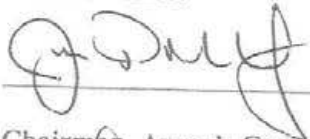
When comparing rates for this project to other types of professional services (general engineering and environmental services), rates are in line with other contracts for comparable types of positions (field engineers, engineers cad technicians). When comparing the higher level positions (Lead Senior Engineer and Project Manager) the type of project work for this contract appears to command a higher rate for specialized service and is deemed reasonable. A spreadsheet with comparable rates is attached as back-up.

109-17 – Request approval to award a contract to CB&I Environmental & Infrastructure, Inc. for the decommissioning of the SJRPP in the amount of \$6,082,658.00, subject to the availability of lawfully appropriated funds.

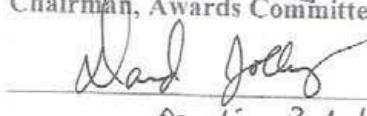
Award #2

Manager: Conner, Sean M. - Sr. Manager - Eng, Env, PdM  
Director: Pinkstaff, Larry G. - Director, Joint Owned Electric Assets  
VP: Brost, Mike J. - VP/GM Electric Systems

APPROVALS:

 8-3-17

Chairman, Awards Committee Date

 3 Aug 2017

Manager, <sup>Operating Budgets</sup> Capital Budget Planning Date

 8/2/17

Sr-Mgr, Business Services for SJRPP Date



**JEA SJRPP RFP 109-17**  
**Decommissioning Management**  
**APTIM Rates**

Job Function	Rate
Accounting Specialist	\$ 82
Asbestos Supervisor	\$ 92
CADD/GIS	\$ 95
Construction Manager	\$ 155
Engineer	\$ 160
Environmental Scientist	\$ 75
Estimator	\$ 133
Field Engineer	\$ 85
Lead Environmental Specialist	\$ 130
Lead Senior Engineer	\$ 175
Project Manager	\$ 193
Safety Manager	\$ 177
Safety Specialist	\$ 102
Scheduler	\$ 151
Site Engineer	\$ 140
Technical Editor	\$ 55
Subcontractors	Cost + 15%
ODCs	Cost + 10%
Aerosol Dust Monitor	\$ 25
Air Sampling Pump	\$ 15
Air Sampling Pump, Calibrator	\$ 5
Conductivity Meter	\$ 11
Dissolved Oxygen Meter	\$ 33
Explosimeter	\$ 40
Flame Ionization Detector (OVA)	\$ 75
4-Gas Meter	\$ 60
GPS Unit (Handheld)	\$ 33
Hand Auger (Stainless Steel)	\$ 13
Oil/Water Interface Probe	\$ 21
Peristaltic Sampling Pump	\$ 43
pH Meter	\$ 11
Photoionization Detector	\$ 65
Pick-up Truck	\$ 55
Thermometer	\$ 3
Turbidity Meter	\$ 39
Water Level Indicator	\$ 11
YSI Sample Unit	\$ 50



**CBI P+A1:H24roposal**  
**CBI Proposal**  
**Engineer/Consultant Cost**

Position	Rate - \$/Hr	Hours	Cost	Location	Cash flow		
					2 months FY17	12 months FY18	12 months FY19
Project Manager	\$193.00	5,040	\$972,720	Office and Field	\$74,824.62	\$448,947.69	\$448,947.69
Project Accountant	\$82.00	4,000	\$328,000	Office and Field	\$25,230.77	\$151,384.62	\$151,384.62
Lead Environmental	\$130.00	2,160	\$280,800	Office and Field	\$21,600.00	\$129,600.00	\$129,600.00
Lead Senior Engineer	\$175.00	3,790	\$663,250	Office and Field	\$51,019.23	\$306,115.38	\$306,115.38
Technical Advisor*	\$200.00	1,741	\$348,200	Office and Field	\$26,784.62	\$160,707.69	\$160,707.69
Safety Specialist	\$102.00	4,030	\$411,060	Field	\$0	\$205,530	\$205,530
Security Specialist*	\$100.00	3,200	\$320,000	Field	\$0	\$160,000	\$160,000
Permitting	\$130.00	1,656	\$215,280	Office and Field	\$16,560.00	\$99,360.00	\$99,360.00
Geotechnical*	\$150.00	2,090	\$313,500	Field	\$0	\$156,750	\$156,750
On-Site Engineering	\$140.00	3,531	\$494,340	Field	\$0	\$247,170	\$247,170
Contract Manager	\$155.00	3,200	\$496,000	Field	\$0	\$248,000	\$248,000
Contract Manager	\$155.00	3,200	\$496,000	Field	\$0	\$248,000	\$248,000
Contract Manager	\$155.00	2,400	\$372,000	Field	\$0	\$186,000	\$186,000
Site Operator*	\$100.00	960	\$96,000	Field	\$0	\$48,000	\$48,000
Surveyor*	\$150.00	414	\$62,100	Field	\$0	\$31,050	\$31,050
Equipment Charges			\$213,408		\$0	\$0	\$213,408
<b>TOTALS</b>		<b>41,412</b>	<b>6,082,658</b>		<b>\$216,019</b>	<b>\$2,826,615</b>	<b>\$3,040,023</b>

\* - Indicates that the rate was not given on the CBI's rate chart and has been estimated

## Award #2

Profession	109-17	Worley Parsons off General Engineer Contract	Golder KGS monitoring enviro	Black and Veatch Engineering Services
Accounting Specialist	\$ 82.00			\$ 81.74
Asbestos Supervisor	\$ 92.00			
CADD/GIS	\$ 95.00		\$ 98.00	
Construction Manager	\$ 155.00			
Engineer	\$ 160.00	\$ 166.05	\$ 171.00	\$ 172.00
Environmental Scientist	\$ 75.00			
Estimator	\$ 133.00			
Field Engineer	\$ 85.00	\$ 92.14	\$ 91.00	\$ 98.51
Lead Environmental Specialist	\$ 130.00			
Lead Senior Engineer	\$ 175.00	\$ 148.25	\$ 143.00	
Project Manager	\$ 193.00	\$ 132.37	\$ 122.00	\$ 185.72
Safety Manager	\$ 177.00			
Safety Specialist	\$ 102.00			
Scheduler	\$ 151.00			
Site Engineer	\$ 140.00			
Technical Editor	\$ 55.00			
Subcontractors	Cost + 15%			
ODCs	Cost + 10%			
Aerosol Dust Monitor	\$ 25.00			
Air Sampling Pump	\$ 15.00			
Air Sampling Pump, Calibrator	\$ 5.00			
Conductivity Meter	\$ 11.00			
Dissolved Oxygen Meter	\$ 33.00			
Explosimeter	\$ 40.00			
Flame Ionization Detector (OVA)	\$ 75.00			
4-Gas Meter	\$ 60.00			
GPS Unit (Handheld)	\$ 33.00			
Hand Auger (Stainless Steel)	\$ 13.00			
Oil/Water Interface Probe	\$ 21.00			
Peristaltic Sampling Pump	\$ 43.00			
pH Meter	\$ 11.00			
Photoionization Detector	\$ 65.00			
Pick-up Truck	\$ 55.00			
Thermometer	\$ 3.00			
Turbidity Meter	\$ 39.00			
Water Level Indicator	\$ 11.00			
YSI Sample Unit	\$ 50.00			

## APTIM CONTRACT VALUE INCREASE

### Background

In July, 2017 APTIM was awarded the contract for "Professional Services for the Decommissioning Management for the SJRPP Facility" (contract #14883418, CPA #167305). The APTIM professional services proposal was evaluated as the most qualified and the rates were negotiated. The initial services selected were for writing the demolition & remediation specifications and performing contract management. The hours for the selected services were estimated by JEA and the contract value (CPA) was established at \$6,082,658.00.

The Professional Services specification allowed for other services if selected. This proposed increase in contract value corresponds to additional services that have been selected for the project.

### Change #1

#### Decommissioning Shutdown and Decommission Cleaning

The demolition specification required the demolition contractor to remove all the ash, coal, fuel and chemicals. The SJRPP units were in operation during the bidding contractors' walk through therefore it was not possible to assess the volumes of hoppers, tanks and boilers. Another issue that arose was the definition of "clean" from an environmental standpoint and how to determine when equipment was sufficiently clean to start demolition. It became obvious that the bidders intended to add significant contingencies in their bids to protect themselves regarding this issue. The decision was made to remove this work from the scope of the demolition contractor and have the cleaning performed by APTIM personnel and JEA contractors to eliminate the uncertainty for the contractors. The wisdom of this approach was validated when the demolition bids came in much lower than the Engineer's estimate. This approach also insured that the SJRPP plant was rendered environmentally safe for demolition. The budget sent to the owners on 11/17/2017 reflected the savings and change in scope. During the time period after 01/05/2018, JEA had APTIM hire qualified personnel to operate existing equipment and assist in the decommissioning of equipment. The cost for this work is estimated at \$2,700,400.00 in billed and future hours. Since this cost is now being billed to the APTIM contract instead of the demolition contract, the value above needs to be added to the APTIM contract.

### Change #2

#### Wastewater Operation

The personnel for operation of the wastewater treatment plant moving forward until closure is now being provided by APTIM instead of an independent contractor. This integrated all personnel under one (1) plan for consistency. The estimated labor cost for operation of the wastewater facility is \$1,500,000.00. This is reflected in the 11/17/2017 budget and needs to be added to the APTIM contract value.

### Change #3

#### Landfill Maintenance

The maintenance of the open landfill was kept in JEA's scope instead of a third party contractor to ensure environmental compliance. The use of this landfill is still in operation during the demolition/remediation time frame. The personnel for operation of the landfill moving forward until closure is now being provided by APTIM with oversight by JEA's Environmental group. This has integrated all personnel under one plan for consistency. The estimated labor cost for operation of the ash landfill is \$1,500,000.00. This is reflected in the 11/17/2017 budget and also needs to be added to the APTIM CPA.



Award #2

Change # 4

**Landfill Closure**

The overall design and project management for closing the active landfill at the end of the remediation process is now being provided by APTIM. For consistency with prior landfill construction, Golder & Associates will provide the permit engineering and submittal as a subcontractor to APTIM. Since this is an increase in scope for APTIM, the estimated cost of \$225,723.00 will need to be added to the APTIM contract value.

**Summary**

**The total increase to the APTIM contract being proposed is \$5,926,123. The total CPA value would increase to \$12,008,781.**



## CBI Proposal Engineer/Consultant Cost

Position	Rate - \$/Hr	Hours	Cost
Project Manager	\$225.00	5,040	\$1,134,000
Project Accountant	\$82.00	3,900	\$319,800
Lead Environmental	\$130.00	2,160	\$280,800
Lead Senior Engineer	\$175.00	4,100	\$717,500
Technical Advisor	\$200.00	1,700	\$340,000
Safety Site Manager	\$155.00	4,080	\$632,400
Security Specialist	\$100.00	0	\$0
Permitting	\$130.00	1,656	\$215,280
Geotechnical	\$150.00	1,900	\$285,000
On-Site Engineering	\$140.00	3,531	\$494,340
Contract Manager	\$155.00	3,200	\$496,000
Contract Manager	\$155.00	3,200	\$496,000
Contract Manager	\$155.00	2,000	\$310,000
Site Operator	\$100.00	960	\$96,000
Surveyor	\$150.00	414	\$62,100
Equipment Charges			\$213,408
Change #1 Senior Engineer <sup>1</sup>	\$175.00	3,840	\$672,000
Change #1 Engineer <sup>2</sup>	\$140.00	3,840	\$537,600
Change #1 Site Operator <sup>3</sup>	\$100.00	14,908	\$1,490,800
Change #2 Site Operator <sup>4</sup>	\$100.00	15,000	\$1,500,000
Change #3 Site Operator <sup>5</sup>	\$100.00	15,000	\$1,500,000
Change #4 (See attached quote)			\$225,723
<sup>1</sup> 6 months x 4 engineers	<sup>2</sup> 6 months x 4 engineers	Change Order Total	\$5,926,123
<sup>3</sup> 6 months x 15 operators		Original Award	\$6,082,658
<sup>4,5</sup> 24 months x 3 operators + 1 part-time as required		Total New Award	\$12,008,781



## Formal Bid and Award System

Award #7 December 5, 2019

**Type of Award Request:** CONTRACT INCREASE**Request #:** 6235**Requestor Name:** Pinkstaff, Larry G. - Dir Energy Project Mgmt & Joint Assets**Requestor Phone:** 904-665-4566**Project Title:** SJRPP Decommissioning Services**Project Number:** 8004361**Project Location:** JEA**Funds:** O&M**Budget Estimate:** N/A**Scope of Work:**

JEA is seeking the services of experienced consulting engineering firms that possess technical expertise in the decommissioning of power plants. The particular areas of interest are permitting requirements in the state of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration. Expertise will also be required in construction specification preparation and project management. Work will be issued to the successful firm via a purchase order prior to the prosecution of work. The Consultant/Engineer shall be compensated for actual work performed based on the fixed rates submitted with this proposal package.

**JEA IFB/RFP/State/City/GSA#:** 109-17 / CPA # 167305**Purchasing Agent:** Lovgren, Rodney D.**Is this a Ratification?:** NO**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Address	Phone	Amount
APTIM ENVIRONMENTAL & INFRASTRUCTURE	Francis M. Noonan	1228 Winter Garden Vineland Rd. Winter Garden FL 34787	(904) 636-9360	\$2,222,500.00

**Amount of Original Award:** \$6,082,658.00**Date of Original Award:** 08/03/2017**Change Order Amount:** \$2,222,500.00**List of Previous Change Order/Amendments:**

CPA #	Amount	Date
167305	\$5,926,123.00	05/10/2018

**New Not-To-Exceed Amount:** \$14,231,281.00**Length of Contract/PO Term:** Project Completion**Begin Date (mm/dd/yyyy):** 08/11/2017**End Date (mm/dd/yyyy):** Project Completion (June 2020)



**Renewal Options:** N/A  
**JSEB Requirement:** Ten Percent (10%) Goal

**Comments on JSEB Requirements:**

Original award: Twenty Percent (20%) – Garmon Trucking, DJ Contracting, I-Tech

**Background/Recommendations:**

Originally solicited and approved by the Awards Committee on 08/03/2017 to CB&I Environmental & Infrastructure, Inc., for \$6,082,658.00. A copy of the original award is attached as back-up. During contract execution, CB&I provided documentation regarding their environmental and infrastructure services business unit sale and reincorporation as APTIM Environmental & Infrastructure, owned by Veritas. JEA executed the contract with APTIM.

The Original Award was for professional services for writing the demolition & remediation specifications and performing contract management. The hours for the selected services were estimated by JEA and the contract value was established at \$6,082,658.00.

Change Order 1 for \$5,926,123.00 was to provide additional services (operations) for decommissioning, shutdown, cleaning, wastewater, landfill maintenance and closure & remediation through February 2020. The Change Order 1 Demolition completion was September 2019 and Remediation completion February 2020.

This Contract Increase for \$2,222,500.00 is for the continuation of services to support the original award and change order 1 scope increase. The current completion schedule is Demolition completion May 2020 and Remediation completion July 2020. A schedule delay was due to the additional coal pile turnover originally scheduled for October 2018 pushed to January 2019. The additional coal in inventory was due to economical outages in the fall of 2017 that added coal that was not projected at the time of the specification dates. A safety shutdown for engineering review and procedure changes for one month of a key milestone added to the delay.

The work being performed under this contract has 20% to be reimbursed by Florida Power & Light.

Request approval to award a change order to APTIM Environmental & Infrastructure for professional services in the decommissioning of the SJRPP in the amount of \$2,222,500.00, for a new not-to-exceed amount of \$14,231,281.00, subject to the availability of lawfully appropriated funds.

**Director:** Pinkstaff, Larry G. - Dir Energy Project Mgmt & Joint Assets  
**Sr. Director:** Acs, Gabor - Sr Dir Engineering & Projects  
**VP:** Anders, Caren B. - VP/GM Energy

**APPROVALS:**

 12/5/19

**Chairman, Awards Committee**

**Date**



12/5/19

**Manager, Capital Budget Planning**

**Date**

**Formal Bid and Award System**

Award #5 August 3, 2017

**Type of Award Request:** PROPOSAL (RFP)  
**Request #:** 3941  
**Requestor Name:** Bradley, Larry F.  
**Requestor Phone:** (904) 665-8728  
**Project Title:** SJRPP Decommissioning Services  
**Project Number:** 000467  
**Project Location:** SJRPP  
**Funds:** Capital and O&M  
**Award Estimate:** \$6,721,000.00

**Scope of Work:**

JEA is seeking the services of experienced consulting engineering firms that possess technical expertise in the decommissioning of power plants. The particular areas of interest are permitting requirements in the state of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration. Expertise will also be required in construction specification preparation and project management. Work will be issued to the successful firm via a purchase order prior to the prosecution of work. The Consultant/Engineer shall be compensated for actual work performed based on the fixed rates submitted with this proposal package.

**JEA IFB/RFP/State/City/GSA#:** 109-17  
**Purchasing Agent:** Lovgren, Rodney Dennis  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Address	Phone	Amount
CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.	Kenneth Beard	9143 Phillips Highway, Suite 400 Jacksonville, FL 32256	(720) 554-8117	\$6,082,658.00

**Amount for entire term of Contract/PO:** \$6,082,658.00  
**Award Amount for remainder of this FY:** \$200,000.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 08/11/2017  
**End Date (mm/dd/yyyy):** Project Completion  
**JSEB Requirement:** Ten percent (10%) Goal, 20% Proposed  
**Comments on JSEB Requirements:**  
 Environmental Resource Solutions -4%; I-Tech Resources -10%; Meskel & Associates -5%; R E Holland & Assoc. -1%



**BIDDERS:**

Name	Amount	Rank	SCORES
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BLACK AND VEATCH		3	66.1
AMEC FOSTER WHEELER		4	67.0
ERM - SOUTHEAST		5	57.4
TRC ENGINEERS INC.		5	57.6

**Background/Recommendations:**

Advertised 06/05/2017. Fourteen (14) companies attended the pre-response meeting on 06/16/2017. At Proposal opening on 06/27/2017, JEA received six (6) Proposals. The public evaluation meeting was held on 07/13/17, and JEA deemed Burns and MacDonald the most qualified to perform the work.

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This contract is to engage an engineering firm, familiar with power plant decommissioning, to provide specifications for bidding a demolition and a remediation contract. The firm shall also provide resources for managing the field work associated with the entire decommissioning process.

When comparing rates for this project to other types of professional services (general engineering and environmental services), rates are in line with other contracts for comparable types of positions (field engineers, engineers cad technicians). When comparing the higher level positions (Lead Senior Engineer and Project Manager) the type of project work for this contract appears to command a higher rate for specialized service and is deemed reasonable. A spreadsheet with comparable rates is attached as back-up.

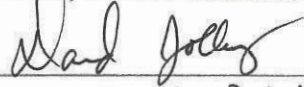
109-17 – Request approval to award a contract to CB&I Environmental & Infrastructure, Inc. for the decommissioning of the SJRPP in the amount of \$6,082,658.00, subject to the availability of lawfully appropriated funds.

**Manager:** Conner, Sean M. - Sr. Manager - Eng, Env, PdM  
**Director:** Pinkstaff, Larry G. - Director, Joint Owned Electric Assets  
**VP:** Brost, Mike J. - VP/GM Electric Systems

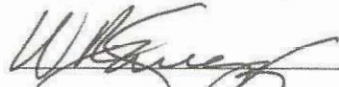
**APPROVALS:**

 8-3-17

Chairman, Awards Committee Date

 3 Aug 2017

*Operating Budgets*  
Manager, Capital Budget Planning Date

 8/2/17

Sr Mgr, Business Services for SJRPP Date



## Formal Bid and Award System

Award #7 December 5, 2019

**Type of Award Request:** CONTRACT INCREASE  
**Request #:** 6235  
**Requestor Name:** Pinkstaff, Larry G. - Dir Energy Project Mgmt & Joint Assets  
**Requestor Phone:** 904-665-4566  
**Project Title:** SJRPP Decommissioning Services  
**Project Number:** 8004361  
**Project Location:** JEA  
**Funds:** O&M  
**Budget Estimate:** N/A

### Scope of Work:

JEA is seeking the services of experienced consulting engineering firms that possess technical expertise in the decommissioning of power plants. The particular areas of interest are permitting requirements in the state of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration. Expertise will also be required in construction specification preparation and project management. Work will be issued to the successful firm via a purchase order prior to the prosecution of work. The Consultant/Engineer shall be compensated for actual work performed based on the fixed rates submitted with this proposal package.

**JEA IFB/RFP/State/City/GSA#:** 109-17 / CPA # 167305  
**Purchasing Agent:** Lovgren, Rodney D.  
**Is this a Ratification?:** NO

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Address	Phone	Amount
APTIM ENVIRONMENTAL & INFRASTRUCTURE	Francis M. Noonan	1228 Winter Garden Vineland Rd. Winter Garden FL 34787	(904) 636-9360	\$2,222,500.00

**Amount of Original Award:** \$6,082,658.00  
**Date of Original Award:** 08/03/2017  
**Change Order Amount:** \$2,222,500.00  
**List of Previous Change Order/Amendments:**

CPA #	Amount	Date
167305	\$5,926,123.00	05/10/2018

**New Not-To-Exceed Amount:** \$14,231,281.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 08/11/2017  
**End Date (mm/dd/yyyy):** Project Completion (June 2020)



**Renewal Options:** N/A  
**JSEB Requirement:** Ten Percent (10%) Goal

**Comments on JSEB Requirements:**

Original award: Twenty Percent (20%) – Garmon Trucking, DJ Contracting, I-Tech

**Background/Recommendations:**

Originally solicited and approved by the Awards Committee on 08/03/2017 to CB&I Environmental & Infrastructure, Inc., for \$6,082,658.00. A copy of the original award is attached as back-up. During contract execution, CB&I provided documentation regarding their environmental and infrastructure services business unit sale and reincorporation as APTIM Environmental & Infrastructure, owned by Veritas. JEA executed the contract with APTIM.

The Original Award was for professional services for writing the demolition & remediation specifications and performing contract management. The hours for the selected services were estimated by JEA and the contract value was established at \$6,082,658.00.

Change Order 1 for \$5,926,123.00 was to provide additional services (operations) for decommissioning, shutdown, cleaning, wastewater, landfill maintenance and closure & remediation through February 2020. The Change Order 1 Demolition completion was September 2019 and Remediation completion February 2020.

This Contract Increase for \$2,222,500.00 is for the continuation of services to support the original award and change order 1 scope increase. The current completion schedule is Demolition completion May 2020 and Remediation completion July 2020. A schedule delay was due to the additional coal pile turnover originally scheduled for October 2018 pushed to January 2019. The additional coal in inventory was due to economical outages in the fall of 2017 that added coal that was not projected at the time of the specification dates. A safety shutdown for engineering review and procedure changes for one month of a key milestone added to the delay.

The work being performed under this contract has 20% to be reimbursed by Florida Power & Light.

Request approval to award a change order to APTIM Environmental & Infrastructure for professional services in the decommissioning of the SJRPP in the amount of \$2,222,500.00, for a new not-to-exceed amount of \$14,231,281.00, subject to the availability of lawfully appropriated funds.

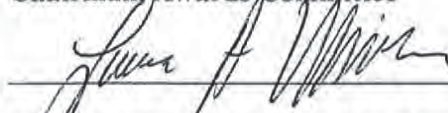
**Director:** Pinkstaff, Larry G. - Dir Energy Project Mgmt & Joint Assets  
**Sr. Director:** Acs, Gabor - Sr Dir Engineering & Projects  
**VP:** Anders, Caren B. - VP/GM Energy

**APPROVALS:**

 12/5/19

**Chairman, Awards Committee**

**Date**



12/5/19

**Manager, Capital Budget Planning**

**Date**



CBI Proposal Engineer/Consultant Cost

Position	Rate - \$/Hr	Hours	Cost
Project Manager	\$225.00	5,040	\$1,134,000
Project Accountant	\$82.00	3,900	\$319,800
Lead Environmental	\$130.00	2,160	\$280,800
Lead Senior Engineer	\$175.00	4,100	\$717,500
Technical Advisor	\$200.00	1,700	\$340,000
Safety Site Manager	\$155.00	4,080	\$632,400
Security Specialist	\$100.00	0	\$0
Permitting	\$130.00	1,656	\$215,280
Geotechnical	\$150.00	1,900	\$285,000
On-Site Engineering	\$140.00	3,531	\$494,340
Contract Manager	\$155.00	3,200	\$496,000
Contract Manager	\$155.00	3,200	\$496,000
Contract Manager	\$155.00	2,000	\$310,000
Site Operator	\$100.00	960	\$96,000
Surveyor	\$150.00	414	\$62,100
Equipment Charges			\$213,408
CO #1 Senior Engineer <sup>1</sup>	\$175.00	3,840	\$672,000
CO #1 Engineer <sup>2</sup>	\$140.00	3,840	\$537,600
CO #1 Site Operator <sup>3</sup>	\$100.00	14,908	\$1,490,800
CO # Site Operator <sup>4</sup>	\$100.00	15,000	\$1,500,000
CO #1 Site Operator <sup>5</sup>	\$100.00	15,000	\$1,500,000
CO #1 (See attached quote)			\$225,723
CO #2 Senior Engineer	\$175.00	3,500	\$612,500
CO #2 Engineer	\$140.00	4,000	\$560,000
CO #2 Site Operator	\$100.00	10,500	\$1,050,000
		Change Order 2 Total	\$2,222,500
		Change Order 1 Total	\$5,926,123
		Original Award	\$6,082,658
		Total New Award	\$14,231,281



CPA 167305

Approved by the JEA Awards Committee  
Date 8/3/17 Item # 5**Formal Bid and Award System**

Award #5 August 3, 2017

Type of Award Request: PROPOSAL (RFP)  
Request #: 3941  
Requestor Name: Bradley, Larry F.  
Requestor Phone: (904) 665-8728  
Project Title: SJRPP Decommissioning Services  
Project Number: 000467  
Project Location: SJRPP  
Funds: Capital and O&M  
Award Estimate: \$6,721,000.00  
Scope of Work:

JEA is seeking the services of experienced consulting engineering firms that possess technical expertise in the decommissioning of power plants. The particular areas of interest are permitting requirements in the state of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration. Expertise will also be required in construction specification preparation and project management. Work will be issued to the successful firm via a purchase order prior to the prosecution of work. The Consultant/Engineer shall be compensated for actual work performed based on the fixed rates submitted with this proposal package.

JEA IFB/RFP/State/City/GSA#: 109-17  
Purchasing Agent: Lovgren, Rodney Dennis  
Is this a Ratification?: NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Address	Phone	Amount
CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.	Kenneth Beard	9143 Phillips Highway, Suite 400 Jacksonville, FL 32256	(720) 554-8117	\$6,082,658.00

Amount for entire term of Contract/PO: \$6,082,658.00  
Award Amount for remainder of this FY: \$200,000.00  
Length of Contract/PO Term: Project Completion  
Begin Date (mm/dd/yyyy): 08/11/2017  
End Date (mm/dd/yyyy): Project Completion  
JSEB Requirement: Ten percent (10%) Goal, 20% Proposed  
Comments on JSEB Requirements:  
Environmental Resource Solutions -4%; I-Tech Resources -10%; Meskel & Associates -5%; R E Holland & Assoc. -1%

**BIDDERS:**

Name	Amount	Rank	SCORES
CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.	\$6,082,658.00	1	73.0
BURNS & MCDONNELL		2	70.1
BLACK AND VEATCH		3	66.1
AMEC FOSTER WHEELER		4	67.0
ERM - SOUTHEAST		5	57.4
TRC ENGINEERS INC.		5	57.6

**Background/Recommendations:**

Advertised 06/05/2017. Fourteen (14) companies attended the pre-response meeting on 06/16/2017. At Proposal opening on 06/27/2017, JEA received six (6) Proposals. The public evaluation meeting was held on 07/13/17, and JEA deemed Burns and MacDonald the most qualified to perform the work.

On 07/14/2017, CB&I Environmental & Infrastructure, Inc. submitted a protest letter regarding JEA's final evaluation rankings regarding the scoring of Project Manager Proximity for TRC, stating they did not have a local office. On 07/20/2017 an informal Chief Procurement Officer (CPO) protest meeting was held. JEA determined the project manager proximity ranking for TRC was for the Lead Environmental Engineer, not the Project Manager, which required rescoring of the proximity points. The rescoring deemed CB&I the most qualified to perform the work. The CPO decision letter, evaluation summary matrix and negotiated fees is attached as back-up.

This contract is to engage an engineering firm, familiar with power plant decommissioning, to provide specifications for bidding a demolition and a remediation contract. The firm shall also provide resources for managing the field work associated with the entire decommissioning process.

When comparing rates for this project to other types of professional services (general engineering and environmental services), rates are in line with other contracts for comparable types of positions (field engineers, engineers cad technicians). When comparing the higher level positions (Lead Senior Engineer and Project Manager) the type of project work for this contract appears to command a higher rate for specialized service and is deemed reasonable. A spreadsheet with comparable rates is attached as back-up.

109-17 – Request approval to award a contract to CB&I Environmental & Infrastructure, Inc. for the decommissioning of the SJRPP in the amount of \$6,082,658.00, subject to the availability of lawfully appropriated funds.

**Manager:** Conner, Sean M. - Sr. Manager - Eng, Env, PdM  
**Director:** Pinkstaff, Larry G. - Director, Joint Owned Electric Assets  
**VP:** Brost, Mike J. - VP/GM Electric Systems


**APPROVALS:**

 8-3-17

Chairman, Awards Committee Date

 3 Aug 2017

*Operating Budgets*  
Manager, Capital Budget Planning Date

 8/2/17

Sr Mgr, Business Services for SJRPP Date



**109-17 Professional Services for Decommissioning Management for SIRPP - Post CPO Protest Hearing**

Vendor Rankings	Bradley	Mathews	Pinckstaff	F Rank	Rank	PM	Office	PM Address	Miles	Calc.	Points Awarded
AMEC FOSTER WHEELER	3	4	4	11	4	Rebecca Vanderbeck	Jax. Office	Proposal form & PM address: 6756 Greenland Road, Jacksonville, FL 32238 (18 miles)	18	3.5	4
BLACK AND VEATCH	6	1	2	9	3	Greg Burt	Jax. Office	Proposal form & PM address: 12940 Gran Bay Parkway West, Suite 2100, Jacksonville, FL (16.7 miles)	16.7	3.7	4
BURN & MCDONALD	5	2	1	8	2	Vic Banafetta	NC	PM address: 5511 Capital Center Drive, Raleigh, NC 27606 (659 miles)	459	0.1	0
CS & I	1	3	3	7	1	Green Scott	Jax. Office	PM address: 9143 Phillips Highway, Suite 400, Jacksonville, FL 32256 (12.5 miles)	12.5	5.0	5
ERM - SOUTH-EAST	2	6	6	14	5	Blake Sverdrup	Indiana	PM address: 8425 Woodfield Crossing Blvd, Suite 560W, Indianapolis, Indiana 46240	91.3	0.1	0
TRC ENGINEERS INC	4	5	5	14	5	Laura Miranda	NY	Clarified PM to NY 31 West 34th Street Suite 7100, New York, NY 10001 (93.8 miles)	93.8	0.1	0

**Calculation for Proximity**  
 Closest Proximity receives 5 points  
 Next Closest = 5 pts X (closest / next closest)  
 Example, Bidder 1 PM - 50 miles, bidder 2 PM - 100 miles  
 Bidder 1 PM = 5 points  
 Bidder 2 = (50 / 100) X 5 = 2.5 pts (Round to 3)

Vendor	Professional Staff Experience (10 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	SEB (5 Points)	Total	Rank
<b>Bradley</b>							
AMEC FOSTER WHEELER	21.67	28	10	4	4	67.67	3
BLACK AND VEATCH	18.33	24	7	4	1	54.33	6
BURN & MCDONALD	22.67	24	11	0	1	58.67	5
CS & I	21.67	34	16	5	4	80.67	1
ERM - SOUTH-EAST	21.33	31	15	0	4	73.33	2
TRC ENGINEERS INC	18.33	31	13	0	4	67.33	4
<b>Mathews</b>							
AMEC FOSTER WHEELER	21.00	34	11	4	4	66.00	4
BLACK AND VEATCH	24.33	31	12	4	1	72.33	1
BURN & MCDONALD	26.00	30	14	0	1	71.00	2
CS & I	22.67	32	16	5	4	69.67	3
ERM - SOUTH-EAST	21.67	7	4	0	4	36.67	6
TRC ENGINEERS INC	18.33	12	4	0	4	39.33	5
<b>Pinckstaff</b>							
AMEC FOSTER WHEELER	21.33	24	14	4	4	67.33	4
BLACK AND VEATCH	20.67	30	16	4	1	71.67	2
BURN & MCDONALD	22.67	37	20	0	1	80.67	1
CS & I	21.67	22	16	5	4	68.67	3
ERM - SOUTH-EAST	21.33	27	10	0	4	62.33	6
TRC ENGINEERS INC	20.00	16	16	0	4	60.00	5



July 24, 2017

Rick Faircloth  
CB&I Environmental & Infrastructure, Inc.  
9143 Phillips Highway, Suite 400  
Jacksonville, FL 32256

**RE: CHIEF PROCUREMENT OFFICER DECISION**  
JEA Solicitation 109-17  
Professional Services for Decommissioning Management for SJRPP

Dear Mr. Faircloth:

This letter is written in accordance with Article 5-305 of JEA's Procurement Code in response to the protest received by CB&I Environmental & Infrastructure, Inc. ("CB&I") which protested JEA's the evaluation of proposals and final rankings associated with this Solicitation, specifically the Selection Criteria regarding the Project Manager Proximity to JEA. After taking into consideration (1) your protest letter dated July 14, 2017, and (2) the discussions on record at the informal protest meeting held on July 20, 2017, it is my decision to uphold CB&I's protest, we have rescored the proximity Selection Criteria, and CB&I is now determined to be the highest ranked proposer.

- 1) On June 5, 2017, JEA published the Request for Proposals ("Solicitation") for Professional Services for Decommissioning Management for SJRPP .
- 2) On July 13, 2017, JEA issued the final rankings results which stated Burns & McDonald Engineering Company, Inc. ("Burns & McDonald") was the highest ranked proposer.
- 3) On July 14, 2017, CB&I submitted a timely protest letter regarding JEA's final rankings of the proposers and stated that JEA made an apparent evaluation error regarding the Selection Criteria associated with Project Manager Proximity to JEA. CB&I's protest letter went on to state that TRC Engineers, Inc. ("TRC") received maximum points for its proximity to JEA, however, upon CB&I's research it was apparent from TRC's website that TRC does not have a company address located in Jacksonville. Additionally, CB&I's performed its own recalculation of the Selection Criteria for proximity, and determined that CB&I should receive maximum points for proximity, and therefore, should be the number one ranked proposer.

Section 1.2.6.4 of the Solicitation reads as follows:

**"Project Manager Proximity to JEA**

**Maximum score for this criterion is: 5 POINTS**

Provide the address of Proposer's office that the proposed Project Manager normally works from and its distance from JEA Headquarters located at 21 West Church St. JEA will use Google Maps to verify distance.

In order to receive points for this criterion, Proposer's office must be occupied and staffed with at least three (3) employees for a duration of six (6) months prior to the Proposal Due Date stated in this RFP. Additionally, the office shall not be used as a residential premises. If



necessary, JEA will use zoning records and tax rolls to validate this criteria."

- 4) On July 20, 2017, an Informal Chief Procurement Officer ("CPO") meeting was held and CB&I, Burns and McDonald, Amec Foster Wheeler, and Black & Veatch were in attendance and provided an opportunity to discuss the issues.

Reasons for upholding and agreeing with CB&I's protest:

Upon receipt of CB&I's protest letter, JEA performed its own due diligence in researching the proximity information presented in TRC's proposal. JEA agrees with CB&I that TRC does not have a Jacksonville office, and has rescored the proximity Selection Criteria, and CB&I is now the highest ranked proposer. Attached hereto as Exhibit A is JEA's revised scoring matrix.

Additionally at the July 20, 2017, informal protest meeting, JEA questioned CB&I as to whether it met the proximity requirements stated in the Solicitation, specifically whether CB&I's Project Manager, Eugene Scott, normally works out of its Jacksonville office. CB&I stated that Mr. Scott was assigned to CB&I's Jacksonville office in January 2017, and that if CB&I was awarded the Contract, Mr. Scott would be locally based in Jacksonville for the duration of the Contract. Attached hereto as Exhibit B is CB&I's written confirmation that Mr. Scott will work out of CB&I's Jacksonville office.

Please be advised that you or other affected parties have the right to appeal this decision pursuant to Section 5 of JEA's Procurement Code, which can be found online at [jea.com](http://jea.com). I appreciate your cooperation in this process as well as your interest in doing work for JEA.

If you have any further questions related to this matter, please feel free to contact me at [mccaip@jea.com](mailto:mccaip@jea.com) or at (904) 665-5544.

Sincerely,



John McCarthy  
Director, Supply Chain Management/Chief Procurement Officer

cc: Heather Beard, JEA, Manager, Procurement Contracts Administration

Larry Bradly, SJRPP, Plant Engineer Consultant

Jody Brooks, JEA, Chief Legal Counsel

Larry Pinkstaff, Director, Joint Owned Electric Assets

Rodney Lovgren, JEA, Purchasing Agent Senior

File

**JEA SJRPP RFP 109-17**  
**Decommissioning Management**  
**APTIM Rates**

Job Function	Rate
Accounting Specialist	\$ 82
Asbestos Supervisor	\$ 92
CADD/GIS	\$ 95
Construction Manager	\$ 155
Engineer	\$ 160
Environmental Scientist	\$ 75
Estimator	\$ 133
Field Engineer	\$ 85
Lead Environmental Specialist	\$ 130
Lead Senior Engineer	\$ 175
Project Manager	\$ 193
Safety Manager	\$ 177
Safety Specialist	\$ 102
Scheduler	\$ 151
Site Engineer	\$ 140
Technical Editor	\$ 55
Subcontractors	Cost + 15%
ODCs	Cost + 10%
Aerosol Dust Monitor	\$ 25
Air Sampling Pump	\$ 15
Air Sampling Pump, Calibrator	\$ 5
Conductivity Meter	\$ 11
Dissolved Oxygen Meter	\$ 33
Explosimeter	\$ 40
Flame Ionization Detector (OVA)	\$ 75
4-Gas Meter	\$ 60
GPS Unit (Handheld)	\$ 33
Hand Auger (Stainless Steel)	\$ 13
Oil/Water Interface Probe	\$ 21
Peristaltic Sampling Pump	\$ 43
pH Meter	\$ 11
Photoionization Detector	\$ 65
Pick-up Truck	\$ 55
Thermometer	\$ 3
Turbidity Meter	\$ 39
Water Level Indicator	\$ 11
YSI Sample Unit	\$ 50



# CBI P+A1:H24roposal

## CBI Proposal

### Engineer/Consultant Cost

Position	Rate - \$/Hr	Hours	Cost	Location	Cash flow		
					2 months FY17	12 months FY18	12 months FY19
Project Manager	\$193.00	5,040	\$972,720	Office and Field	\$74,824.62	\$448,947.69	\$448,947.69
Project Accountant	\$82.00	4,000	\$328,000	Office and Field	\$25,230.77	\$151,384.62	\$151,384.62
Lead Environmental	\$130.00	2,160	\$280,800	Office and Field	\$21,600.00	\$129,600.00	\$129,600.00
Lead Senior Engineer	\$175.00	3,790	\$663,250	Office and Field	\$51,019.23	\$306,115.38	\$306,115.38
Technical Advisor*	\$200.00	1,741	\$348,200	Office and Field	\$26,784.62	\$160,707.69	\$160,707.69
Safety Specialist	\$102.00	4,030	\$411,060	Field	\$0	\$205,530	\$205,530
Security Specialist*	\$100.00	3,200	\$320,000	Field	\$0	\$160,000	\$160,000
Permitting	\$130.00	1,656	\$215,280	Office and Field	\$16,560.00	\$99,360.00	\$99,360.00
Geotechnical*	\$150.00	2,090	\$313,500	Field	\$0	\$156,750	\$156,750
On-Site Engineering	\$140.00	3,531	\$494,340	Field	\$0	\$247,170	\$247,170
Contract Manager	\$155.00	3,200	\$496,000	Field	\$0	\$248,000	\$248,000
Contract Manager	\$155.00	3,200	\$496,000	Field	\$0	\$248,000	\$248,000
Contract Manager	\$155.00	2,400	\$372,000	Field	\$0	\$186,000	\$186,000
Site Operator*	\$100.00	960	\$96,000	Field	\$0	\$48,000	\$48,000
Surveyor*	\$150.00	414	\$62,100	Field	\$0	\$31,050	\$31,050
Equipment Charges			\$213,408		\$0	\$0	\$213,408
TOTALS					\$216,019	\$2,826,615	\$3,040,023

\* - Indicates that the rate was not given on the CBI's rate chart and has been estimated

Profession	109-17	Worley Parsons off General Engineer Contract	Golder KGS monitoring enviro	Black and Veatch Engineering Services
Accounting Specialist	\$ 82.00			\$ 81.74
Asbestos Supervisor	\$ 92.00			
CADD/GIS	\$ 95.00		\$ 98.00	
Construction Manager	\$ 155.00			
Engineer	\$ 160.00	\$ 166.05	\$ 171.00	\$ 172.00
Environmental Scientist	\$ 75.00			
Estimator	\$ 133.00			
Field Engineer	\$ 85.00	\$ 92.14	\$ 91.00	\$ 98.51
Lead Environmental Specialist	\$ 130.00			
Lead Senior Engineer	\$ 175.00	\$ 148.25	\$ 143.00	
Project Manager	\$ 193.00	\$ 132.37	\$ 122.00	\$ 185.72
Safety Manager	\$ 177.00			
Safety Specialist	\$ 102.00			
Scheduler	\$ 151.00			
Site Engineer	\$ 140.00			
Technical Editor	\$ 55.00			
Subcontractors	Cost + 15%			
ODCs	Cost + 10%			
Aerosol Dust Monitor	\$ 25.00			
Air Sampling Pump	\$ 15.00			
Air Sampling Pump, Calibrator	\$ 5.00			
Conductivity Meter	\$ 11.00			
Dissolved Oxygen Meter	\$ 33.00			
Explosimeter	\$ 40.00			
Flame Ionization Detector (OVA)	\$ 75.00			
4-Gas Meter	\$ 60.00			
GPS Unit (Handheld)	\$ 33.00			
Hand Auger (Stainless Steel)	\$ 13.00			
Oil/Water Interface Probe	\$ 21.00			
Peristaltic Sampling Pump	\$ 43.00			
pH Meter	\$ 11.00			
Photoionization Detector	\$ 65.00			
Pick-up Truck	\$ 55.00			
Thermometer	\$ 3.00			
Turbidity Meter	\$ 39.00			
Water Level Indicator	\$ 11.00			
YSI Sample Unit	\$ 50.00			



## Formal Bid and Award System

CPA 167305

Award #2 May 10, 2018

**Type of Award Request:** CHANGE ORDER  
**Request #:** 6235  
**Requestor Name:** Larry Pinkstaff  
**Requestor Phone:** (904) 665-4566  
**Project Title:** SJRPP Decommissioning Services  
**Project Number:** 8004361  
**Project Location:** JEA  
**Funds:** Capital  
**Award Estimate:** N/A

**Scope of Work:**

JEA is seeking the services of experienced consulting engineering firms that possess technical expertise in the decommissioning of power plants. The particular areas of interest are permitting requirements in the state of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration. Expertise will also be required in construction specification preparation and project management. Work will be issued to the successful firm via a purchase order prior to the prosecution of work. The Consultant/Engineer shall be compensated for actual work performed based on the fixed rates submitted with this proposal package.

**JEA IFB/RFP/ITN#:** 109-17  
**Purchasing Agent:** Lovgren, Rodney D.  
**Is this a Ratification?:** YES

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Address	Phone	Amount
APTIM ENVIRONMENTAL & INFRASTRUCTURE, INC.	Francis M Noonan	1228 Winter Garden Vineland Rd Winter Garden FL 34787	(904) 636-9360	\$5,926,123.00

**Amount of Original Award:** \$6,082,658.00  
**Date of Original Award:** 08/03/2017  
**Change Order Amount:** \$5,926,123.00  
**New Not-To-Exceed Amount:** \$12,008,781.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 08/11/2017  
**End Date (mm/dd/yyyy):** Project Completion (Estimated September 2019)  
**JSEB Requirement:** Ten Percent (10%) Goal  
**Comments on JSEB Requirements:**  
Original award: Twenty Percent (20%) Proposed – JEA and APTIM will continue to monitor JSEB in accordance with the goals set in the original award.



**Background/Recommendations:**

Originally solicited and approved by the Awards Committee on 08/03/2017 to CB&I Environmental & Infrastructure, Inc., for \$6,082,658.00. A copy of the original award is attached as back-up. During contract execution, CB&I provided documentation regarding their environmental and infrastructure services business unit sale and reincorporation as APTIM Environmental & Infrastructure, owned by Veritas. JEA executed the contract with APTIM.

The professional services proposal was evaluated as the most qualified and the rates were negotiated. The initial services selected were for writing the demolition & remediation specifications and performing contract management. The hours for the selected services were estimated by JEA and the contract value was established at \$6,082,658.00.

The original professional services specification provided add-in options that would allow JEA to leverage APTIM's current work. This proposed increase in contract value corresponds to decommissioning shutdown and cleaning, wastewater, landfill maintenance and landfill closure. This proposed change order is further outlined in the attached backup. The award request is for the full change order amount, with 20% to be reimbursed by Florida Power & Light.

Request approval to award a change order to APTIM Environmental & Infrastructure for professional services in the decommissioning of the SJRPP in the amount of \$5,926,123.00, for a new not-to-exceed amount of \$12,008,781.00, subject to the availability of lawfully appropriated funds.

**Director:** Pinkstaff, Larry G. - Director, Joint Owned Electric Assets  
**VP:** Brost, Mike J. - VP/GM Electric Systems

**APPROVALS:**

  
Chairman, Awards Committee

5-10-18

Date

\_\_\_\_\_  
Manager, Capital Budget Planning

Date

CPA167305

Approved by JEA Awards Committee  
Date 8/3/17 Item # 5

## Formal Bid and Award System

Award #5 August 3, 2017

Type of Award Request: PROPOSAL (RFP)  
 Request #: 3941  
 Requestor Name: Bradley, Larry F.  
 Requestor Phone: (904) 665-8728  
 Project Title: SJRPP Decommissioning Services  
 Project Number: 000467  
 Project Location: SJRPP  
 Funds: Capital and O&M  
 Award Estimate: \$6,721,000.00

## Scope of Work:

JEA is seeking the services of experienced consulting engineering firms that possess technical expertise in the decommissioning of power plants. The particular areas of interest are permitting requirements in the state of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration. Expertise will also be required in construction specification preparation and project management. Work will be issued to the successful firm via a purchase order prior to the prosecution of work. The Consultant/Engineer shall be compensated for actual work performed based on the fixed rates submitted with this proposal package.

JEA IFB/RFP/State/City/GSA#: 109-17  
 Purchasing Agent: Lovgren, Rodney Dennis  
 Is this a Ratification?: NO

## RECOMMENDED AWARDEE(S):

Name	Contact Name	Address	Phone	Amount
CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.	Kenneth Beard	9143 Phillips Highway, Suite 400 Jacksonville, FL 32256	(720) 554-8117	\$6,082,658.00

Amount for entire term of Contract/PO: \$6,082,658.00  
 Award Amount for remainder of this FY: \$200,000.00  
 Length of Contract/PO Term: Project Completion  
 Begin Date (mm/dd/yyyy): 08/11/2017  
 End Date (mm/dd/yyyy): Project Completion  
 JSEB Requirement: Ten percent (10%) Goal, 20% Proposed

## Comments on JSEB Requirements:

Environmental Resource Solutions -4%; I-Tech Resources -10%; Meskel & Associates -5%; R E Holland & Assoc. -1%

**BIDDERS:**

Name	Amount	Rank	SCORES
CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.	\$6,082,658.00	1	73.0
BURNS & MCDONNELL		2	70.1
BLACK AND VEATCH		3	66.1
AMEC FOSTER WHEELER		4	67.0
ERM - SOUTHEAST		5	57.4
TRC ENGINEERS INC.		5	57.6

**Background/Recommendations:**

Advertised 06/05/2017. Fourteen (14) companies attended the pre-response meeting on 06/16/2017. At Proposal opening on 06/27/2017, JEA received six (6) Proposals. The public evaluation meeting was held on 07/13/17, and JEA deemed Burns and MacDonald the most qualified to perform the work.

On 07/14/2017, CB&I Environmental & Infrastructure, Inc. submitted a protest letter regarding JEA's final evaluation rankings regarding the scoring of Project Manager Proximity for TRC, stating they did not have a local office. On 07/20/2017 an informal Chief Procurement Officer (CPO) protest meeting was held. JEA determined the project manager proximity ranking for TRC was for the Lead Environmental Engineer, not the Project Manager, which required rescoring of the proximity points. The rescoring deemed CB&I the most qualified to perform the work. The CPO decision letter, evaluation summary matrix and negotiated fees is attached as back-up.

This contract is to engage an engineering firm, familiar with power plant decommissioning, to provide specifications for bidding a demolition and a remediation contract. The firm shall also provide resources for managing the field work associated with the entire decommissioning process.

When comparing rates for this project to other types of professional services (general engineering and environmental services), rates are in line with other contracts for comparable types of positions (field engineers, engineers cad technicians). When comparing the higher level positions (Lead Senior Engineer and Project Manager) the type of project work for this contract appears to command a higher rate for specialized service and is deemed reasonable. A spreadsheet with comparable rates is attached as back-up.

109-17 – Request approval to award a contract to CB&I Environmental & Infrastructure, Inc. for the decommissioning of the SJRPP in the amount of \$6,082,658.00, subject to the availability of lawfully appropriated funds.



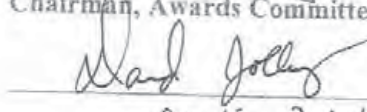
Award #2

Manager: Conner, Sean M. - Sr. Manager - Eng, Inv, PdM  
Director: Pinkstaff, Larry G. - Director, Joint Owned Electric Assets  
VP: Brost, Mike J. - VP/GM Electric Systems

APPROVALS:

 8-3-17

Chairman, Awards Committee Date

 3 Aug 2017

<sup>Operating Budgets</sup>  
Manager, Capital Budget Planning Date

 8/2/17

Sr-Mgr, Business Services for SJRPP Date

## 109-17 Professional Services for Decommissioning Management for SJRPP - Post CPO Protest Hearing

PRM	Office	PRM Address	Miles	Calcs	Points Awarded
Shoemaker & Van der Beek	Asst. Office	Proposed North & Pkwy addresses: 625-6 Original Road, Jacksonville, FL 32268 (13 miles)	3.0	3.5	4
Shoemaker & Van der Beek	Asst. Office	Proposed North & Pkwy address address: 12940 Grand Bay Boulevard West, Suite 27-30, Jacksonville, FL 32218 (16.7 miles)	16.7	3.7	4
Shoemaker & Van der Beek	Asst. Office	PRM address: 5511 Capital Center Drive, Raleigh, NC 27606 (259 miles)	458	0.3	0
Shoemaker & Van der Beek	Asst. Office	PRM address: 2143 Phillips Highway, Suite 800, Jacksonville, FL 32268 (12.5 miles)	12.5	5.0	5
Shoemaker & Van der Beek	Asst. Office	PRM address: 2925 Woodfield Crossing Road, Suite 500N, Indianapolis, Indiana 46240 (19.0 miles)	915	0.3	0
Shoemaker & Van der Beek	Asst. Office	PRM address: 31 West 34th Street Suite 2100, New York, NY 10001 (19.3 miles)	538	0.1	0

### Calculation for Proximity

Closest Proximity receives 5 points

Next Closest = 5 pts X (closest / next closest)

Example, Bidder 1 PM - 50 miles, bidder 2 PM - 100 miles

Bidder 1 PM = 5 points

$$\text{Bidder 2} = (50 / 100) \times 5 = 2.5 \text{ pts (Round to 3)}$$

Professional Staff Exp./Proc. JEA (10 Points)	Brady	Design Approach and Work Plan (40 Points)	Company Experience (10 Points)	Proximity to JEA (5 Points)	Total	Rank
21.67	AMC FOSTER WHEELER	38	10	4	53.67	3
18.33	BLACK & VEATCH	24	7	4	34.33	6
22.67	BURN & MCDONALD	34	11	5	51.67	1
21.67	CBM - SOUTH-EAST	34	16	4	50.67	2
23.85	ERIC ENGINEERS INC	23	15	0	38.35	5
19.33		23	18	4	50.33	4

Professional Staff Experience (10 Points)	Matthew	Design Approach and Work Plan (40 Points)	Company Experience (10 Points)	Proximity to JEA (5 Points)	Total	Rank
23.00	AMC FOSTER WHEELER	24	11	4	42.00	4
24.13	BLACK & VEATCH	31	12	4	51.13	3
26.00	BURN & MCDONALD	22	14	1	41.00	5
22.67	CBM - SOUTH-EAST	30	16	5	49.67	2
21.67	ERIC ENGINEERS INC	7	6	0	14.67	6
19.43		12	4	0	13.43	5

Professional Staff Experience (10 Points)	Finkbe	Design Approach and Work Plan (40 Points)	Company Experience (10 Points)	Proximity to JEA (5 Points)	Total	Rank
21.33	AMC FOSTER WHEELER	25	14	4	40.33	5
20.87	BLACK & VEATCH	30	16	4	51.67	3
22.67	BURN & MCDONALD	37	20	0	40.67	4
21.67	CBM - SOUTH-EAST	22	16	5	44.81	2
21.23	ERIC ENGINEERS INC	27	10	0	38.23	6
20.00		26	16	0	36.00	5

Firm's #	Entrepreneurial Staff Employees (1985)	Early Relationship with Venture Partners (40-60 years)	Early Acq. Experience (10 Partners)	Presence in R&D Firms	(30-45 years)	Total	Rate
1	23.53	7.4	1.4	4	4	67.23	34
2	26.57	9.0	1.0	4	2	74.67	2
3	22.67	3.7	2.0	0	3	80.67	1
4	22.67	3.7	1.6	5	3	88.67	3
5	21.33	2.3	1.6	5	3	88.67	3
6	21.33	2.3	1.6	5	3	88.67	3
7	30.00	7.6	1.6	0	5	95.67	4
8	30.00	7.6	1.6	0	5	95.67	4



**JEA SJRPP RFP 109-17**  
**Decommissioning Management**  
**APTIM Rates**

Job Function	Rate
Accounting Specialist	\$ 82
Asbestos Supervisor	\$ 92
CADD/GIS	\$ 95
Construction Manager	\$ 155
Engineer	\$ 160
Environmental Scientist	\$ 75
Estimator	\$ 133
Field Engineer	\$ 85
Lead Environmental Specialist	\$ 130
Lead Senior Engineer	\$ 175
Project Manager	\$ 193
Safety Manager	\$ 177
Safety Specialist	\$ 102
Scheduler	\$ 151
Site Engineer	\$ 140
Technical Editor	\$ 55
Subcontractors	Cost + 15%
ODCs	Cost + 10%
Aerosol Dust Monitor	\$ 25
Air Sampling Pump	\$ 15
Air Sampling Pump, Calibrator	\$ 5
Conductivity Meter	\$ 11
Dissolved Oxygen Meter	\$ 33
Explosimeter	\$ 40
Flame Ionization Detector (OVA)	\$ 75
4-Gas Meter	\$ 60
GPS Unit (Handheld)	\$ 33
Hand Auger (Stainless Steel)	\$ 13
Oil/Water Interface Probe	\$ 21
Peristaltic Sampling Pump	\$ 43
pH Meter	\$ 11
Photoionization Detector	\$ 65
Pick-up Truck	\$ 55
Thermometer	\$ 3
Turbidity Meter	\$ 39
Water Level Indicator	\$ 11
YSI Sample Unit	\$ 50

**CBI P+A1:H24roposal**  
**CBI Proposal**  
**Engineer/Consultant Cost**

Position	Rate - \$/Hr	Hours	Cost	Location	Cash flow		
					2 months FY17	12 months FY18	12 months FY19
Project Manager	\$193.00	5,040	\$972,720	Office and Field	\$74,824.62	\$448,947.69	\$448,947.69
Project Accountant	\$82.00	4,000	\$328,000	Office and Field	\$25,230.77	\$151,384.62	\$151,384.62
Lead Environmental	\$130.00	2,160	\$280,800	Office and Field	\$21,600.00	\$129,600.00	\$129,600.00
Lead Senior Engineer	\$175.00	3,790	\$663,250	Office and Field	\$51,019.23	\$306,115.38	\$306,115.38
Technical Advisor*	\$200.00	1,741	\$348,200	Office and Field	\$26,784.62	\$160,707.69	\$160,707.69
Safety Specialist	\$102.00	4,030	\$411,060	Field	\$0	\$205,530	\$205,530
Security Specialist*	\$100.00	3,200	\$320,000	Field	\$0	\$160,000	\$160,000
Permitting	\$130.00	1,656	\$215,280	Office and Field	\$16,560.00	\$99,360.00	\$99,360.00
Geotechnical*	\$150.00	2,090	\$313,500	Field	\$0	\$156,750	\$156,750
On-Site Engineering	\$140.00	3,531	\$494,340	Field	\$0	\$247,170	\$247,170
Contract Manager	\$155.00	3,200	\$496,000	Field	\$0	\$248,000	\$248,000
Contract Manager	\$155.00	3,200	\$496,000	Field	\$0	\$248,000	\$248,000
Contract Manager	\$155.00	2,400	\$372,000	Field	\$0	\$186,000	\$186,000
Site Operator*	\$100.00	960	\$96,000	Field	\$0	\$48,000	\$48,000
Surveyor*	\$150.00	414	\$62,100	Field	\$0	\$31,050	\$31,050
Equipment Charges			\$213,408		\$0	\$0	\$213,408
<b>TOTALS</b>		<b>41,412</b>	<b>6,082,658</b>		<b>\$216,019</b>	<b>\$2,826,615</b>	<b>\$3,040,023</b>

\* - Indicates that the rate was not given on the CBI's rate chart and has been estimated

## Award #2

Profession	109-17	Worley Parsons off General Engineer Contract	Golder KGS monitoring enviro	Black and Veatch Engineering Services
Accounting Specialist	\$ 82.00			\$ 81.74
Asbestos Supervisor	\$ 92.00			
CADD/GIS	\$ 95.00		\$ 98.00	
Construction Manager	\$ 155.00			
Engineer	\$ 160.00	\$ 166.05	\$ 171.00	\$ 172.00
Environmental Scientist	\$ 75.00			
Estimator	\$ 133.00			
Field Engineer	\$ 85.00	\$ 92.14	\$ 91.00	\$ 98.51
Lead Environmental Specialist	\$ 130.00			
Lead Senior Engineer	\$ 175.00	\$ 148.25	\$ 143.00	
Project Manager	\$ 193.00	\$ 132.37	\$ 122.00	\$ 185.72
Safety Manager	\$ 177.00			
Safety Specialist	\$ 102.00			
Scheduler	\$ 151.00			
Site Engineer	\$ 140.00			
Technical Editor	\$ 55.00			
Subcontractors	Cost + 15%			
ODCs	Cost + 10%			
Aerosol Dust Monitor	\$ 25.00			
Air Sampling Pump	\$ 15.00			
Air Sampling Pump, Calibrator	\$ 5.00			
Conductivity Meter	\$ 11.00			
Dissolved Oxygen Meter	\$ 33.00			
Explosimeter	\$ 40.00			
Flame Ionization Detector (OVA)	\$ 75.00			
4-Gas Meter	\$ 60.00			
GPS Unit (Handheld)	\$ 33.00			
Hand Auger (Stainless Steel)	\$ 13.00			
Oil/Water Interface Probe	\$ 21.00			
Peristaltic Sampling Pump	\$ 43.00			
pH Meter	\$ 11.00			
Photoionization Detector	\$ 65.00			
Pick-up Truck	\$ 55.00			
Thermometer	\$ 3.00			
Turbidity Meter	\$ 39.00			
Water Level Indicator	\$ 11.00			
YSI Sample Unit	\$ 50.00			



## APTIM CONTRACT VALUE INCREASE

### Background

In July, 2017 APTIM was awarded the contract for "Professional Services for the Decommissioning Management for the SJRPP Facility" (contract #14883418, CPA #167305). The APTIM professional services proposal was evaluated as the most qualified and the rates were negotiated. The initial services selected were for writing the demolition & remediation specifications and performing contract management. The hours for the selected services were estimated by JEA and the contract value (CPA) was established at \$6,082,658.00.

The Professional Services specification allowed for other services if selected. This proposed increase in contract value corresponds to additional services that have been selected for the project.

### Change #1

#### Decommissioning Shutdown and Decommission Cleaning

The demolition specification required the demolition contractor to remove all the ash, coal, fuel and chemicals. The SJRPP units were in operation during the bidding contractors' walk through therefore it was not possible to assess the volumes of hoppers, tanks and boilers. Another issue that arose was the definition of "clean" from an environmental standpoint and how to determine when equipment was sufficiently clean to start demolition. It became obvious that the bidders intended to add significant contingencies in their bids to protect themselves regarding this issue. The decision was made to remove this work from the scope of the demolition contractor and have the cleaning performed by APTIM personnel and JEA contractors to eliminate the uncertainty for the contractors. The wisdom of this approach was validated when the demolition bids came in much lower than the Engineer's estimate. This approach also insured that the SJRPP plant was rendered environmentally safe for demolition. The budget sent to the owners on 11/17/2017 reflected the savings and change in scope. During the time period after 01/05/2018, JEA had APTIM hire qualified personnel to operate existing equipment and assist in the decommissioning of equipment. The cost for this work is estimated at \$2,700,400.00 in billed and future hours. Since this cost is now being billed to the APTIM contract instead of the demolition contract, the value above needs to be added to the APTIM contract.

### Change #2

#### Wastewater Operation

The personnel for operation of the wastewater treatment plant moving forward until closure is now being provided by APTIM instead of an independent contractor. This integrated all personnel under one (1) plan for consistency. The estimated labor cost for operation of the wastewater facility is \$1,500,000.00. This is reflected in the 11/17/2017 budget and needs to be added to the APTIM contract value.

### Change #3

#### Landfill Maintenance

The maintenance of the open landfill was kept in JEA's scope instead of a third party contractor to ensure environmental compliance. The use of this landfill is still in operation during the demolition/remediation time frame. The personnel for operation of the landfill moving forward until closure is now being provided by APTIM with oversight by JEA's Environmental group. This has integrated all personnel under one plan for consistency. The estimated labor cost for operation of the ash landfill is \$1,500,000.00. This is reflected in the 11/17/2017 budget and also needs to be added to the APTIM CPA.

Award #2

Change # 4

**Landfill Closure**

The overall design and project management for closing the active landfill at the end of the remediation process is now being provided by APTIM. For consistency with prior landfill construction, Golder & Associates will provide the permit engineering and submittal as a subcontractor to APTIM. Since this is an increase in scope for APTIM, the estimated cost of \$225,723.00 will need to be added to the APTIM contract value.

**Summary**

**The total increase to the APTIM contract being proposed is \$5,926,123. The total CPA value would increase to \$12,008,781.**



## CBI Proposal Engineer/Consultant Cost

Position	Rate - \$/Hr	Hours	Cost
Project Manager	\$225.00	5,040	\$1,134,000
Project Accountant	\$82.00	3,900	\$319,800
Lead Environmental	\$130.00	2,160	\$280,800
Lead Senior Engineer	\$175.00	4,100	\$717,500
Technical Advisor	\$200.00	1,700	\$340,000
Safety Site Manager	\$155.00	4,080	\$632,400
Security Specialist	\$100.00	0	\$0
Permitting	\$130.00	1,656	\$215,280
Geotechnical	\$150.00	1,900	\$285,000
On-Site Engineering	\$140.00	3,531	\$494,340
Contract Manager	\$155.00	3,200	\$496,000
Contract Manager	\$155.00	3,200	\$496,000
Contract Manager	\$155.00	2,000	\$310,000
Site Operator	\$100.00	960	\$96,000
Surveyor	\$150.00	414	\$62,100
Equipment Charges			\$213,408
Change #1 Senior Engineer <sup>1</sup>	\$175.00	3,840	\$672,000
Change #1 Engineer <sup>2</sup>	\$140.00	3,840	\$537,600
Change #1 Site Operator <sup>3</sup>	\$100.00	14,908	\$1,490,800
Change #2 Site Operator <sup>4</sup>	\$100.00	15,000	\$1,500,000
Change #3 Site Operator <sup>5</sup>	\$100.00	15,000	\$1,500,000
Change #4 (See attached quote)			\$225,723
<sup>1</sup> 6 months x 4 engineers	<sup>2</sup> 6 months x 4 engineers	Change Order Total	\$5,926,123
<sup>3</sup> 6 months x 15 operators		Original Award	\$6,082,658
<sup>4,5</sup> 24 months x 3 operators + 1 part-time as required		Total New Award	\$12,008,781





## Formal Bid and Award System

*CPA 167305*

Award #2 May 10, 2018

Type of Award Request: CHANGE ORDER  
Request #: 6235  
Requestor Name: Larry Pinkstaff  
Requestor Phone: (904) 665-4566  
Project Title: SJRPP Decommissioning Services  
Project Number: 8004361  
Project Location: JEA  
Funds: Capital  
Award Estimate: N/A

### Scope of Work:

JEA is seeking the services of experienced consulting engineering firms that possess technical expertise in the decommissioning of power plants. The particular areas of interest are permitting requirements in the state of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration. Expertise will also be required in construction specification preparation and project management. Work will be issued to the successful firm via a purchase order prior to the prosecution of work. The Consultant/Engineer shall be compensated for actual work performed based on the fixed rates submitted with this proposal package.

JEA IFB/RFP/ITN#: 109-17  
Purchasing Agent: Lovgren, Rodney D.  
Is this a Ratification?: YES

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Address	Phone	Amount
APTIM ENVIRONMENTAL & INFRASTRUCTURE, INC.	Francis M Noonan	1228 Winter Garden Vineland Rd Winter Garden FL 34787	(904) 636-9360	\$5,926,123.00

Amount of Original Award: \$6,082,658.00  
Date of Original Award: 08/03/2017  
Change Order Amount: \$5,926,123.00  
New Not-To-Exceed Amount: \$12,008,781.00  
Length of Contract/PO Term: Project Completion  
Begin Date (mm/dd/yyyy): 08/11/2017  
End Date (mm/dd/yyyy): Project Completion (Estimated September 2019)  
JSEB Requirement: Ten Percent (10%) Goal  
Comments on JSEB Requirements:  
Original award: Twenty Percent (20%) Proposed – JEA and APTIM will continue to monitor JSEB in accordance with the goals set in the original award.

**Background/Recommendations:**

Originally solicited and approved by the Awards Committee on 08/03/2017 to CB&I Environmental & Infrastructure, Inc., for \$6,082,658.00. A copy of the original award is attached as back-up. During contract execution, CB&I provided documentation regarding their environmental and infrastructure services business unit sale and reincorporation as APTIM Environmental & Infrastructure, owned by Veritas. JEA executed the contract with APTIM.

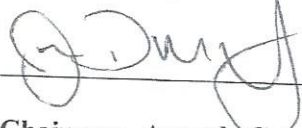
The professional services proposal was evaluated as the most qualified and the rates were negotiated. The initial services selected were for writing the demolition & remediation specifications and performing contract management. The hours for the selected services were estimated by JEA and the contract value was established at \$6,082,658.00.

The original professional services specification provided add-in options that would allow JEA to leverage APTIM's current work. This proposed increase in contract value corresponds to decommissioning shutdown and cleaning, wastewater, landfill maintenance and landfill closure. This proposed change order is further outlined in the attached backup. The award request is for the full change order amount, with 20% to be reimbursed by Florida Power & Light.

Request approval to award a change order to APTIM Environmental & Infrastructure for professional services in the decommissioning of the SJRPP in the amount of \$5,926,123.00, for a new not-to-exceed amount of \$12,008,781.00, subject to the availability of lawfully appropriated funds.

**Director:** Pinkstaff, Larry G. - Director, Joint Owned Electric Assets  
**VP:** Brost, Mike J. - VP/GM Electric Systems

**APPROVALS:**

  
Chairman, Awards Committee

5-10-18

Date

\_\_\_\_\_  
Manager, Capital Budget Planning

Date

CPA167305

Approved by the JEA Awards Committee  
Date 8/3/17 Item # 5

## Formal Bid and Award System

Award #5 August 3, 2017

Type of Award Request: PROPOSAL (RFP)  
 Request #: 3941  
 Requestor Name: Bradley, Larry F.  
 Requestor Phone: (904) 665-8728  
 Project Title: SJRPP Decommissioning Services  
 Project Number: 000467  
 Project Location: SJRPP  
 Funds: Capital and O&M  
 Award Estimate: \$6,721,000.00

## Scope of Work:

JEA is seeking the services of experienced consulting engineering firms that possess technical expertise in the decommissioning of power plants. The particular areas of interest are permitting requirements in the state of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration. Expertise will also be required in construction specification preparation and project management. Work will be issued to the successful firm via a purchase order prior to the prosecution of work. The Consultant/Engineer shall be compensated for actual work performed based on the fixed rates submitted with this proposal package.

JEA IFB/RFP/State/City/GSA#: 109-17  
 Purchasing Agent: Lovgren, Rodney Dennis  
 Is this a Ratification?: NO

## RECOMMENDED AWARDEE(S):

Name	Contact Name	Address	Phone	Amount
CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.	Kenneth Beard	9143 Phillips Highway, Suite 400 Jacksonville, FL 32256	(720) 554-8117	\$6,082,658.00

Amount for entire term of Contract/PO: \$6,082,658.00  
 Award Amount for remainder of this FY: \$200,000.00  
 Length of Contract/PO Term: Project Completion  
 Begin Date (mm/dd/yyyy): 08/11/2017  
 End Date (mm/dd/yyyy): Project Completion  
 JSEB Requirement: Ten percent (10%) Goal, 20% Proposed  
 Comments on JSEB Requirements:  
 Environmental Resource Solutions -4%; I-Tech Resources -10%; Meskel & Associates -5%; R E Holland & Assoc. -1%



**BIDDERS:**

Name	Amount	Rank	SCORES
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BLACK AND VEATCH		3	66.1
AMEC FOSTER WHEELER		4	67.0
ERM - SOUTHEAST		5	57.4
TRC ENGINEERS INC.		5	57.6

**Background/Recommendations:**

Advertised 06/05/2017. Fourteen (14) companies attended the pre-response meeting on 06/16/2017. At Proposal opening on 06/27/2017, JEA received six (6) Proposals. The public evaluation meeting was held on 07/13/17, and JEA deemed Burns and MacDonald the most qualified to perform the work.

On 07/14/2017, CB&I Environmental & Infrastructure, Inc. submitted a protest letter regarding JEA's final evaluation rankings regarding the scoring of Project Manager Proximity for TRC, stating they did not have a local office. On 07/20/2017 an informal Chief Procurement Officer (CPO) protest meeting was held. JEA determined the project manager proximity ranking for TRC was for the Lead Environmental Engineer, not the Project Manager, which required rescoring of the proximity points. The rescoring deemed CB&I the most qualified to perform the work. The CPO decision letter, evaluation summary matrix and negotiated fees is attached as back-up.

This contract is to engage an engineering firm, familiar with power plant decommissioning, to provide specifications for bidding a demolition and a remediation contract. The firm shall also provide resources for managing the field work associated with the entire decommissioning process.

When comparing rates for this project to other types of professional services (general engineering and environmental services), rates are in line with other contracts for comparable types of positions (field engineers, engineers cad technicians). When comparing the higher level positions (Lead Senior Engineer and Project Manager) the type of project work for this contract appears to command a higher rate for specialized service and is deemed reasonable. A spreadsheet with comparable rates is attached as back-up.

109-17 – Request approval to award a contract to CB&I Environmental & Infrastructure, Inc. for the decommissioning of the SJRPP in the amount of \$6,082,658.00, subject to the availability of lawfully appropriated funds.



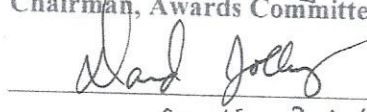
Award #2

Manager: Conner, Sean M. - Sr. Manager - Eng, Env, PdM  
Director: Pinkstaff, Larry G. - Director, Joint Owned Electric Assets  
VP: Brost, Mike J. - VP/GM Electric Systems


APPROVALS:

 8-3-17

Chairman, Awards Committee Date

 3 Aug 2017

<sup>Operating Budgets</sup>  
Manager, Capital Budget Planning Date

 8/2/17

Sr Mgr, Business Services for SJRPP Date

109-17 Professional Services for Decommissioning Management for SIRPP - Post CPO Protest Hearing									
Vendor Rankings	Bradley	Mathews	Pinkstaff	F Rank	Rank	PM	Office	PM Address	Points Awarded
AMEC FOSTER WHEELER	3	4	4	11	4	Rebecca Vanderbeck	Jax. Office	Proposal form & PM address: 6256 Greenleaf Road, Jacksonville, FL 32258 (18 miles)	18
BLACK AND VEATCH	6	1	2	9	3	Gene Berget	Jax. Office	Proposal form & PM address: 13240 Green Bay Parkway West, Suite 2140, Jacksonville, FL 32217 (16.7 miles)	16.7
BURN & MCDONALD	5	2	1	8	2	Vic Ranaletta	NC	PM address: 5511 Capital Center Drive, Raleigh, NC 27605 (459 miles)	459
CB & I	1	3	3	7	1	Gene Scott	Jax. Office	PM address: 9143 Phillips Highway, Suite 400, Jacksonville, FL 32256 (12.5 miles)	12.5
ERM - SOUTHEAST	2	6	6	14	5	Blake Svendsen	Indiana	PM address: 8425 Woodfield Crossing Blvd, Suite 500W, Indianapolis, Indiana 46240	5.0
TRC ENGINEERS INC	4	5	5	14	5	Laura Miranda	NY	Clarified PM to NY 31 West 34th Street Suite 7100, New York, NY 10001 (953 miles)	933
									0.1
									0

## Calculation for Proximity

Closest Proximity receives 5 points

Next Closest = 5 pts X (closest / next closest)

Example, Bidder 1 PM - 50 miles, bidder 2 PM - 100 miles

Bidder 1 PM = 5 points

Bidder 2 = (50 / 100) X 5 = 2.5 pts (Round to 3)

Bradley	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	JEB (5 Points)	Total	Rank
AMEC FOSTER WHEELER	21.67	28	10	4	4	67.67	3
BLACK AND VEATCH	18.33	24	7	4	1	54.33	6
BURN & MCDONALD	22.67	24	11	0	1	58.67	5
CB & I	21.67	34	16	5	4	80.67	1
ERM - SOUTHEAST	23.33	31	15	0	4	73.33	2
TRC ENGINEERS INC	19.33	31	13	0	4	67.33	4

Mathews	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	JEB (5 Points)	Total	Rank
AMEC FOSTER WHEELER	23.00	24	11	4	4	66.00	4
BLACK AND VEATCH	24.33	31	12	4	1	72.33	1
BURN & MCDONALD	26.00	30	14	0	1	71.00	2
CB & I	22.67	22	16	5	4	69.67	5
ERM - SOUTHEAST	21.67	7	4	0	4	36.67	6
TRC ENGINEERS INC	19.33	12	4	0	4	39.33	5

Pinkstaff	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	JEB (5 Points)	Total	Rank
AMEC FOSTER WHEELER	21.33	24	14	4	4	67.33	4
BLACK AND VEATCH	20.67	30	16	4	1	71.67	2
BURN & MCDONALD	22.67	37	20	0	1	80.67	1
CB & I	21.67	22	16	5	4	69.67	5
ERM - SOUTHEAST	21.33	17	10	0	4	62.33	6
TRC ENGINEERS INC	20.00	26	16	0	4	66.00	5

**JEA SJRPP RFP 109-17**  
**Decommissioning Management**  
**APTIM Rates**

Job Function	Rate
Accounting Specialist	\$ 82
Asbestos Supervisor	\$ 92
CADD/GIS	\$ 95
Construction Manager	\$ 155
Engineer	\$ 160
Environmental Scientist	\$ 75
Estimator	\$ 133
Field Engineer	\$ 85
Lead Environmental Specialist	\$ 130
Lead Senior Engineer	\$ 175
Project Manager	\$ 193
Safety Manager	\$ 177
Safety Specialist	\$ 102
Scheduler	\$ 151
Site Engineer	\$ 140
Technical Editor	\$ 55
Subcontractors	Cost + 15%
ODCs	Cost + 10%
Aerosol Dust Monitor	\$ 25
Air Sampling Pump	\$ 15
Air Sampling Pump, Calibrator	\$ 5
Conductivity Meter	\$ 11
Dissolved Oxygen Meter	\$ 33
Explosimeter	\$ 40
Flame Ionization Detector (OVA)	\$ 75
4-Gas Meter	\$ 60
GPS Unit (Handheld)	\$ 33
Hand Auger (Stainless Steel)	\$ 13
Oil/Water Interface Probe	\$ 21
Peristaltic Sampling Pump	\$ 43
pH Meter	\$ 11
Photoionization Detector	\$ 65
Pick-up Truck	\$ 55
Thermometer	\$ 3
Turbidity Meter	\$ 39
Water Level Indicator	\$ 11
YSI Sample Unit	\$ 50



**CBI P+A1:H24roposal  
CBI Proposal  
Engineer/Consultant Cost**

Position	Rate - \$/Hr	Hours	Cost	Location	Cash flow		
					2 months FY17	12 months FY18	12 months FY19
Project Manager	\$193.00	5,040	\$972,720	Office and Field	\$74,824.62	\$448,947.69	\$448,947.69
Project Accountant	\$82.00	4,000	\$328,000	Office and Field	\$25,230.77	\$151,384.62	\$151,384.62
Lead Environmental	\$130.00	2,160	\$280,800	Office and Field	\$21,600.00	\$129,600.00	\$129,600.00
Lead Senior Engineer	\$175.00	3,790	\$663,250	Office and Field	\$51,019.23	\$306,115.38	\$306,115.38
Technical Advisor*	\$200.00	1,741	\$348,200	Office and Field	\$26,784.62	\$160,707.69	\$160,707.69
Safety Specialist	\$102.00	4,030	\$411,060	Field	\$0	\$205,530	\$205,530
Security Specialist*	\$100.00	3,200	\$320,000	Field	\$0	\$160,000	\$160,000
Permitting	\$130.00	1,656	\$215,280	Office and Field	\$16,560.00	\$99,360.00	\$99,360.00
Geotechnical*	\$150.00	2,090	\$313,500	Field	\$0	\$156,750	\$156,750
On-Site Engineering	\$140.00	3,531	\$494,340	Field	\$0	\$247,170	\$247,170
Contract Manager	\$155.00	3,200	\$496,000	Field	\$0	\$248,000	\$248,000
Contract Manager	\$155.00	3,200	\$496,000	Field	\$0	\$248,000	\$248,000
Contract Manager	\$155.00	2,400	\$372,000	Field	\$0	\$186,000	\$186,000
Site Operator*	\$100.00	960	\$96,000	Field	\$0	\$48,000	\$48,000
Surveyor*	\$150.00	414	\$62,100	Field	\$0	\$31,050	\$31,050
Equipment Charges			\$213,408		\$0	\$0	\$213,408
<b>TOTALS</b>		<b>41,412</b>	<b>6,082,658</b>		<b>\$216,019</b>	<b>\$2,826,615</b>	<b>\$3,040,023</b>

\* - indicates that the rate was not given on the CBI's rate chart and has been estimated



## Award #2

Profession	109-17	Worley Parsons off General Engineer Contract	Golder KGS monitoring enviro	Black and Veatch Engineering Services
Accounting Specialist	\$ 82.00			\$ 81.74
Asbestos Supervisor	\$ 92.00			
CADD/GIS	\$ 95.00		\$ 98.00	
Construction Manager	\$ 155.00			
Engineer	\$ 160.00	\$ 166.05	\$ 171.00	\$ 172.00
Environmental Scientist	\$ 75.00			
Estimator	\$ 133.00			
Field Engineer	\$ 85.00	\$ 92.14	\$ 91.00	\$ 98.51
Lead Environmental Specialist	\$ 130.00			
Lead Senior Engineer	\$ 175.00	\$ 148.25	\$ 143.00	
Project Manager	\$ 193.00	\$ 132.37	\$ 122.00	\$ 185.72
Safety Manager	\$ 177.00			
Safety Specialist	\$ 102.00			
Scheduler	\$ 151.00			
Site Engineer	\$ 140.00			
Technical Editor	\$ 55.00			
Subcontractors	Cost + 15%			
ODCs	Cost + 10%			
Aerosol Dust Monitor	\$ 25.00			
Air Sampling Pump	\$ 15.00			
Air Sampling Pump, Calibrator	\$ 5.00			
Conductivity Meter	\$ 11.00			
Dissolved Oxygen Meter	\$ 33.00			
Explosimeter	\$ 40.00			
Flame Ionization Detector (OVA)	\$ 75.00			
4-Gas Meter	\$ 60.00			
GPS Unit (Handheld)	\$ 33.00			
Hand Auger (Stainless Steel)	\$ 13.00			
Oil/Water Interface Probe	\$ 21.00			
Peristaltic Sampling Pump	\$ 43.00			
pH Meter	\$ 11.00			
Photoionization Detector	\$ 65.00			
Pick-up Truck	\$ 55.00			
Thermometer	\$ 3.00			
Turbidity Meter	\$ 39.00			
Water Level Indicator	\$ 11.00			
YSI Sample Unit	\$ 50.00			

## APTIM CONTRACT VALUE INCREASE

### **Background**

In July, 2017 APTIM was awarded the contract for "Professional Services for the Decommissioning Management for the SJRPP Facility" (contract #14883418, CPA #167305). The APTIM professional services proposal was evaluated as the most qualified and the rates were negotiated. The initial services selected were for writing the demolition & remediation specifications and performing contract management. The hours for the selected services were estimated by JEA and the contract value (CPA) was established at \$6,082,658.00.

The Professional Services specification allowed for other services if selected. This proposed increase in contract value corresponds to additional services that have been selected for the project.

### **Change #1**

#### **Decommissioning Shutdown and Decommission Cleaning**

The demolition specification required the demolition contractor to remove all the ash, coal, fuel and chemicals. The SJRPP units were in operation during the bidding contractors' walk through therefore it was not possible to assess the volumes of hoppers, tanks and boilers. Another issue that arose was the definition of "clean" from an environmental standpoint and how to determine when equipment was sufficiently clean to start demolition. It became obvious that the bidders intended to add significant contingencies in their bids to protect themselves regarding this issue. The decision was made to remove this work from the scope of the demolition contractor and have the cleaning performed by APTIM personnel and JEA contractors to eliminate the uncertainty for the contractors. The wisdom of this approach was validated when the demolition bids came in much lower than the Engineer's estimate. This approach also insured that the SJRPP plant was rendered environmentally safe for demolition. The budget sent to the owners on 11/17/2017 reflected the savings and change in scope. During the time period after 01/05/2018, JEA had APTIM hire qualified personnel to operate existing equipment and assist in the decommissioning of equipment. The cost for this work is estimated at \$2,700,400.00 in billed and future hours. Since this cost is now being billed to the APTIM contract instead of the demolition contract, the value above needs to be added to the APTIM contract.

### **Change #2**

#### **Wastewater Operation**

The personnel for operation of the wastewater treatment plant moving forward until closure is now being provided by APTIM instead of an independent contractor. This integrated all personnel under one (1) plan for consistency. The estimated labor cost for operation of the wastewater facility is \$1,500,000.00. This is reflected in the 11/17/2017 budget and needs to be added to the APTIM contract value.

### **Change #3**

#### **Landfill Maintenance**

The maintenance of the open landfill was kept in JEA's scope instead of a third party contractor to ensure environmental compliance. The use of this landfill is still in operation during the demolition/remediation time frame. The personnel for operation of the landfill moving forward until closure is now being provided by APTIM with oversight by JEA's Environmental group. This has integrated all personnel under one plan for consistency. The estimated labor cost for operation of the ash landfill is \$1,500,000.00. This is reflected in the 11/17/2017 budget and also needs to be added to the APTIM CPA.

Award #2

Change # 4

**Landfill Closure**

The overall design and project management for closing the active landfill at the end of the remediation process is now being provided by APTIM. For consistency with prior landfill construction, Golder & Associates will provide the permit engineering and submittal as a subcontractor to APTIM. Since this is an increase in scope for APTIM, the estimated cost of \$225,723.00 will need to be added to the APTIM contract value.

**Summary**

**The total increase to the APTIM contract being proposed is \$5,926,123. The total CPA value would increase to \$12,008,781.**



## CBI Proposal Engineer/Consultant Cost

Position	Rate - \$/Hr	Hours	Cost
Project Manager	\$225.00	5,040	\$1,134,000
Project Accountant	\$82.00	3,900	\$319,800
Lead Environmental	\$130.00	2,160	\$280,800
Lead Senior Engineer	\$175.00	4,100	\$717,500
Technical Advisor	\$200.00	1,700	\$340,000
Safety Site Manager	\$155.00	4,080	\$632,400
Security Specialist	\$100.00	0	\$0
Permitting	\$130.00	1,656	\$215,280
Geotechnical	\$150.00	1,900	\$285,000
On-Site Engineering	\$140.00	3,531	\$494,340
Contract Manager	\$155.00	3,200	\$496,000
Contract Manager	\$155.00	3,200	\$496,000
Contract Manager	\$155.00	2,000	\$310,000
Site Operator	\$100.00	960	\$96,000
Surveyor	\$150.00	414	\$62,100
Equipment Charges			\$213,408
Change #1 Senior Engineer <sup>1</sup>	\$175.00	3,840	\$672,000
Change #1 Engineer <sup>2</sup>	\$140.00	3,840	\$537,600
Change #1 Site Operator <sup>3</sup>	\$100.00	14,908	\$1,490,800
Change #2 Site Operator <sup>4</sup>	\$100.00	15,000	\$1,500,000
Change #3 Site Operator <sup>5</sup>	\$100.00	15,000	\$1,500,000
Change #4 (See attached quote)			\$225,723
<sup>1</sup> 6 months x 4 engineers	<sup>2</sup> 6 months x 4 engineers	Change Order Total	\$5,926,123
<sup>3</sup> 6 months x 15 operators		Original Award	\$6,082,658
<sup>4,5</sup> 24 months x 3 operators + 1 part-time as required		Total New Award	\$12,008,781





CPA167305

Approved by the JEA Awards Committee  
Date 8/3/17 Item # 5**Formal Bid and Award System**

Award #5 August 3, 2017

**Type of Award Request:** PROPOSAL (RFP)  
**Request #:** 3941  
**Requestor Name:** Bradley, Larry F.  
**Requestor Phone:** (904) 665-8728  
**Project Title:** SJRPP Decommissioning Services  
**Project Number:** 000467  
**Project Location:** SJRPP  
**Funds:** Capital and O&M  
**Award Estimate:** \$6,721,000.00

**Scope of Work:**

JEA is seeking the services of experienced consulting engineering firms that possess technical expertise in the decommissioning of power plants. The particular areas of interest are permitting requirements in the state of Florida, regulated materials management plans, storm water management plans, demolition planning, site remediation and site restoration. Expertise will also be required in construction specification preparation and project management. Work will be issued to the successful firm via a purchase order prior to the prosecution of work. The Consultant/Engineer shall be compensated for actual work performed based on the fixed rates submitted with this proposal package.

**JEA IFB/RFP/State/City/GSA#:** 109-17  
**Purchasing Agent:** Lovgren, Rodney Dennis  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Address	Phone	Amount
CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.	Kenneth Beard	9143 Phillips Highway, Suite 400 Jacksonville, FL 32256	(720) 554-8117	\$6,082,658.00

**Amount for entire term of Contract/PO:** \$6,082,658.00  
**Award Amount for remainder of this FY:** \$200,000.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 08/11/2017  
**End Date (mm/dd/yyyy):** Project Completion  
**JSEB Requirement:** Ten percent (10%) Goal, 20% Proposed

**Comments on JSEB Requirements:**

Environmental Resource Solutions -4%; I-Tech Resources -10%; Meskel & Associates -5%; R E Holland & Assoc. -1%

**BIDDERS:**

Name	Amount	Rank	SCORES
CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.	\$6,082,658.00	1	73.0
BURNS & MCDONNELL		2	70.1
BLACK AND VEATCH		3	66.1
AMEC FOSTER WHEELER		4	67.0
ERM - SOUTHEAST		5	57.4
TRC ENGINEERS INC.		5	57.6

**Background/Recommendations:**

Advertised 06/05/2017. Fourteen (14) companies attended the pre-response meeting on 06/16/2017. At Proposal opening on 06/27/2017, JEA received six (6) Proposals. The public evaluation meeting was held on 07/13/17, and JEA deemed Burns and MacDonald the most qualified to perform the work.

On 07/14/2017, CB&I Environmental & Infrastructure, Inc. submitted a protest letter regarding JEA's final evaluation rankings regarding the scoring of Project Manager Proximity for TRC, stating they did not have a local office. On 07/20/2017 an informal Chief Procurement Officer (CPO) protest meeting was held. JEA determined the project manager proximity ranking for TRC was for the Lead Environmental Engineer, not the Project Manager, which required rescoring of the proximity points. The rescoring deemed CB&I the most qualified to perform the work. The CPO decision letter, evaluation summary matrix and negotiated fees is attached as back-up.

This contract is to engage an engineering firm, familiar with power plant decommissioning, to provide specifications for bidding a demolition and a remediation contract. The firm shall also provide resources for managing the field work associated with the entire decommissioning process.

When comparing rates for this project to other types of professional services (general engineering and environmental services), rates are in line with other contracts for comparable types of positions (field engineers, engineers cad technicians). When comparing the higher level positions (Lead Senior Engineer and Project Manager) the type of project work for this contract appears to command a higher rate for specialized service and is deemed reasonable. A spreadsheet with comparable rates is attached as back-up.

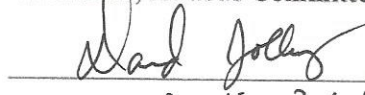
109-17 – Request approval to award a contract to CB&I Environmental & Infrastructure, Inc. for the decommissioning of the SJRPP in the amount of \$6,082,658.00, subject to the availability of lawfully appropriated funds.

**Manager:** Conner, Sean M. - Sr. Manager - Eng, Env, PdM  
**Director:** Pinkstaff, Larry G. - Director, Joint Owned Electric Assets  
**VP:** Brost, Mike J. - VP/GM Electric Systems


**APPROVALS:**

 8-3-17

Chairman, Awards Committee Date

 3 Aug 2017

<sup>Operating Budgets</sup>  
Manager, Capital Budget Planning Date

 8/2/17

Sr Mgr, Business Services for SJRPP Date



**109-17 Professional Services for Decommissioning Management for SIRPP - Post CPO Protest Hearing**

Vendor Rankings	Bradley	Mathews	Pinkstaff	Rank	PM	Office	PM Address	Miles	Calc.	Points Awarded
AMEC FOSTER WHEELER	3	4	4	11	Rebecca Vanderbeck	Jax, Office	Proposal form & PM address: 6256 Greenleaf Road, Jacksonville, FL 32258 (18 miles)	18	3.5	4
BLACK AND VEATCH	6	1	2	9	Gene Berget	Jax, Office	Proposal form & PM address: 12740 Gran Bay Parkway West, Suite 2140, Jacksonville, FL (16.7 miles)	16.7	3.7	4
BURN & McDONALD	5	2	1	8	Vic Ranalletta	NC	PM address: 5511 Capital Center Drive, Raleigh, NC 27606 (459 miles)	459	0.1	0
CB & I	1	3	3	7	Gene Scott	Jax, Office	PM address: 9143 Phillips Highway, Suite 400, Jacksonville, FL 32256 (12.5 miles)	12.5	5.0	5
ERM - SOUTHEAST	2	6	6	14	Blake Svendsen	Indiana	PM address: 8425 Woodfield Crossing Blvd, Suite 560W, Indianapolis, Indiana 46240	913	0.1	0
TRC ENGINEERS INC	4	5	5	14	Laura Miranda	NY	Clarified PM to NY 31 West 34th Street Suite 7100, New York, NY 10001 (933 miles)	933	0.1	0

**Calculation for Proximity**  
 Closest Proximity receives 5 points  
 Next Closest = 5 pts X (closest / next closest)  
 Example, Bidder 1 PM - 50 miles, bidder 2 PM - 100 miles  
 Bidder 1 PM = 5 points  
 Bidder 2 = (50 / 100) X 5 = 2.5 pts (Round to 3)

Bradley	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	JSEB (5 Points)	Total	Rank
AMEC FOSTER WHEELER	21.67	28	10	4	4	67.67	3
BLACK AND VEATCH	18.33	24	7	4	1	54.33	6
BURN & McDONALD	22.67	24	11	0	1	58.67	5
CB & I	21.67	34	16	5	4	80.67	1
ERM - SOUTHEAST	23.33	31	15	0	4	73.33	2
TRC ENGINEERS INC	19.33	31	13	0	4	67.33	4

Mathews	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	JSEB (5 Points)	Total	Rank
AMEC FOSTER WHEELER	23.00	24	11	4	4	66.00	4
BLACK AND VEATCH	24.33	31	12	4	1	72.33	1
BURN & McDONALD	26.00	30	14	0	1	71.00	2
CB & I	22.67	22	16	5	4	69.67	3
ERM - SOUTHEAST	21.67	7	4	0	4	36.67	6
TRC ENGINEERS INC	19.33	12	4	0	4	39.33	5

Pinkstaff	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	JSEB (5 Points)	Total	Rank
AMEC FOSTER WHEELER	21.33	24	14	4	4	67.33	4
BLACK AND VEATCH	20.67	30	16	4	1	71.67	2
BURN & McDONALD	22.67	37	20	0	1	80.67	1
CB & I	21.67	22	16	5	4	68.67	3
ERM - SOUTHEAST	21.33	27	10	0	4	62.33	6
TRC ENGINEERS INC	20.00	26	16	0	4	66.00	5





July 24, 2017

Rick Faircloth  
CB&I Environmental & Infrastructure, Inc.  
9143 Phillips Highway, Suite 400  
Jacksonville, FL 32256

**RE: CHIEF PROCUREMENT OFFICER DECISION**  
JEA Solicitation 109-17  
Professional Services for Decommissioning Management for SJRPP

Dear Mr. Faircloth:

This letter is written in accordance with Article 5-305 of JEA's Procurement Code in response to the protest received by CB&I Environmental & Infrastructure, Inc. ("CB&I") which protested JEA's the evaluation of proposals and final rankings associated with this Solicitation, specifically the Selection Criteria regarding the Project Manager Proximity to JEA. After taking into consideration (1) your protest letter dated July 14, 2017, and (2) the discussions on record at the informal protest meeting held on July 20, 2017, it is my decision to uphold CB&I's protest, we have rescored the proximity Selection Criteria, and CB&I is now determined to be the highest ranked proposer.

- 1) On June 5, 2017, JEA published the Request for Proposals ("Solicitation") for Professional Services for Decommissioning Management for SJRPP .
- 2) On July 13, 2017, JEA issued the final rankings results which stated Burns & McDonald Engineering Company, Inc. ("Burns & McDonald") was the highest ranked proposer.
- 3) On July 14, 2017, CB&I submitted a timely protest letter regarding JEA's final rankings of the proposers and stated that JEA made an apparent evaluation error regarding the Selection Criteria associated with Project Manager Proximity to JEA. CB&I's protest letter went on to state that TRC Engineers, Inc. ("TRC") received maximum points for its proximity to JEA, however, upon CB&I's research it was apparent from TRC's website that TRC does not have a company address located in Jacksonville. Additionally, CB&I's performed its own recalculation of the Selection Criteria for proximity, and determined that CB&I should receive maximum points for proximity, and therefore, should be the number one ranked proposer.

Section 1.2.6.4 of the Solicitation reads as follows:

**"Project Manager Proximity to JEA**

**Maximum score for this criterion is: 5 POINTS**

Provide the address of Proposer's office that the proposed Project Manager normally works from and its distance from JEA Headquarters located at 21 West Church St. JEA will use Google Maps to verify distance.

In order to receive points for this criterion, Proposer's office must be occupied and staffed with at least three (3) employees for a duration of six (6) months prior to the Proposal Due Date stated in this RFP. Additionally, the office shall not be used as a residential premises. If

necessary, JEA will use zoning records and tax rolls to validate this criteria.”

- 4) On July 20, 2017, an Informal Chief Procurement Officer (“CPO”) meeting was held and CB&I, Burns and McDonald, Amec Foster Wheeler, and Black & Veatch were in attendance and provided an opportunity to discuss the issues.

Reasons for upholding and agreeing with CB&I’s protest:

Upon receipt of CB&I’s protest letter, JEA performed its own due diligence in researching the proximity information presented in TRC’s proposal. JEA agrees with CB&I that TRC does not have a Jacksonville office, and has rescored the proximity Selection Criteria, and CB&I is now the highest ranked proposer. Attached hereto as Exhibit A is JEA’s revised scoring matrix.

Additionally at the July 20, 2017, informal protest meeting, JEA questioned CB&I as to whether it met the proximity requirements stated in the Solicitation, specifically whether CB&I’s Project Manager, Eugene Scott, normally works out of its Jacksonville office. CB&I stated that Mr. Scott was assigned to CB&I’s Jacksonville office in January 2017, and that if CB&I was awarded the Contract, Mr. Scott would be locally based in Jacksonville for the duration of the Contract. Attached hereto as Exhibit B is CB&I’s written confirmation that Mr. Scott will work out of CB&I’s Jacksonville office.

Please be advised that you or other affected parties have the right to appeal this decision pursuant to Section 5 of JEA’s Procurement Code, which can be found online at [jea.com](http://jea.com). I appreciate your cooperation in this process as well as your interest in doing work for JEA.

If you have any further questions related to this matter, please feel free to contact me at [mccajp@jea.com](mailto:mccajp@jea.com) or at (904) 665-5544.

Sincerely,



John McCarthy  
Director, Supply Chain Management/Chief Procurement Officer

cc: Heather Beard, JEA, Manager, Procurement Contracts Administration

Larry Bradly, SJRPP, Plant Engineer Consultant  
Jody Brooks, JEA, Chief Legal Counsel  
Larry Pinkstaff, Director, Joint Owned Electric Assets  
Rodney Lovgren, JEA, Purchasing Agent Senior

File



**JEA SJRPP RFP 109-17**  
**Decommissioning Management**  
**APTIM Rates**

Job Function	Rate
Accounting Specialist	\$ 82
Asbestos Supervisor	\$ 92
CADD/GIS	\$ 95
Construction Manager	\$ 155
Engineer	\$ 160
Environmental Scientist	\$ 75
Estimator	\$ 133
Field Engineer	\$ 85
Lead Environmental Specialist	\$ 130
Lead Senior Engineer	\$ 175
Project Manager	\$ 193
Safety Manager	\$ 177
Safety Specialist	\$ 102
Scheduler	\$ 151
Site Engineer	\$ 140
Technical Editor	\$ 55
Subcontractors	Cost + 15%
ODCs	Cost + 10%
Aerosol Dust Monitor	\$ 25
Air Sampling Pump	\$ 15
Air Sampling Pump, Calibrator	\$ 5
Conductivity Meter	\$ 11
Dissolved Oxygen Meter	\$ 33
Explosimeter	\$ 40
Flame Ionization Detector (OVA)	\$ 75
4-Gas Meter	\$ 60
GPS Unit (Handheld)	\$ 33
Hand Auger (Stainless Steel)	\$ 13
Oil/Water Interface Probe	\$ 21
Peristaltic Sampling Pump	\$ 43
pH Meter	\$ 11
Photoionization Detector	\$ 65
Pick-up Truck	\$ 55
Thermometer	\$ 3
Turbidity Meter	\$ 39
Water Level Indicator	\$ 11
YSI Sample Unit	\$ 50

# CBI P+A1:H24roposal

## CBI Proposal

### Engineer/Consultant Cost

Position	Rate - \$/Hr	Hours	Cost	Location	Cash flow		
					2 months FY17	12 months FY18	12 months FY19
Project Manager	\$193.00	5,040	\$972,720	Office and Field	\$74,824.62	\$448,947.69	\$448,947.69
Project Accountant	\$82.00	4,000	\$328,000	Office and Field	\$25,230.77	\$151,384.62	\$151,384.62
Lead Environmental	\$130.00	2,160	\$280,800	Office and Field	\$21,600.00	\$129,600.00	\$129,600.00
Lead Senior Engineer	\$175.00	3,790	\$663,250	Office and Field	\$51,019.23	\$306,115.38	\$306,115.38
Technical Advisor*	\$200.00	1,741	\$348,200	Office and Field	\$26,784.62	\$160,707.69	\$160,707.69
Safety Specialist	\$102.00	4,030	\$411,060	Field	\$0	\$205,530	\$205,530
Security Specialist*	\$100.00	3,200	\$320,000	Field	\$0	\$160,000	\$160,000
Permitting	\$130.00	1,656	\$215,280	Office and Field	\$16,560.00	\$99,360.00	\$99,360.00
Geotechnical*	\$150.00	2,090	\$313,500	Field	\$0	\$156,750	\$156,750
On-Site Engineering	\$140.00	3,531	\$494,340	Field	\$0	\$247,170	\$247,170
Contract Manager	\$155.00	3,200	\$496,000	Field	\$0	\$248,000	\$248,000
Contract Manager	\$155.00	3,200	\$496,000	Field	\$0	\$248,000	\$248,000
Contract Manager	\$155.00	2,400	\$372,000	Field	\$0	\$186,000	\$186,000
Site Operator*	\$100.00	960	\$96,000	Field	\$0	\$48,000	\$48,000
Surveyor*	\$150.00	414	\$62,100	Field	\$0	\$31,050	\$31,050
Equipment Charges			\$213,408		\$0	\$0	\$213,408
TOTALS					\$216,019	\$2,826,615	\$3,040,023

\* - indicates that the rate was not given on the CBI's rate chart and has been estimated



Profession	109-17	Worley Parsons off General Engineer Contract	Golder KGS monitoring enviro	Black and Veatch Engineering Services
Accounting Specialist	\$ 82.00			\$ 81.74
Asbestos Supervisor	\$ 92.00			
CADD/GIS	\$ 95.00		\$ 98.00	
Construction Manager	\$ 155.00			
Engineer	\$ 160.00	\$ 166.05	\$ 171.00	\$ 172.00
Environmental Scientist	\$ 75.00			
Estimator	\$ 133.00			
Field Engineer	\$ 85.00	\$ 92.14	\$ 91.00	\$ 98.51
Lead Environmental Specialist	\$ 130.00			
Lead Senior Engineer	\$ 175.00	\$ 148.25	\$ 143.00	
Project Manager	\$ 193.00	\$ 132.37	\$ 122.00	\$ 185.72
Safety Manager	\$ 177.00			
Safety Specialist	\$ 102.00			
Scheduler	\$ 151.00			
Site Engineer	\$ 140.00			
Technical Editor	\$ 55.00			
Subcontractors	Cost + 15%			
ODCs	Cost + 10%			
Aerosol Dust Monitor	\$ 25.00			
Air Sampling Pump	\$ 15.00			
Air Sampling Pump, Calibrator	\$ 5.00			
Conductivity Meter	\$ 11.00			
Dissolved Oxygen Meter	\$ 33.00			
Explosimeter	\$ 40.00			
Flame Ionization Detector (OVA)	\$ 75.00			
4-Gas Meter	\$ 60.00			
GPS Unit (Handheld)	\$ 33.00			
Hand Auger (Stainless Steel)	\$ 13.00			
Oil/Water Interface Probe	\$ 21.00			
Peristaltic Sampling Pump	\$ 43.00			
pH Meter	\$ 11.00			
Photoionization Detector	\$ 65.00			
Pick-up Truck	\$ 55.00			
Thermometer	\$ 3.00			
Turbidity Meter	\$ 39.00			
Water Level Indicator	\$ 11.00			
YSI Sample Unit	\$ 50.00			

### APTIM Proposal Engineer/Consultant Estimate

Position	Rate - \$/Hr	Hours	Cost
Project Manager	\$ 225.00	5,040	\$ 1,134,000.00
Project Accountant	\$ 82.00	3,900	\$ 319,800.00
Lead Environmental	\$ 130.00	2,160	\$ 280,800.00
Lead Senior Engineer	\$ 175.00	4,100	\$ 717,500.00
Technical Advisor	\$ 200.00	1,700	\$ 340,000.00
Safety Site Manager	\$ 155.00	4,080	\$ 632,400.00
Security Specialist	\$ 100.00	0	\$ -
Permitting	\$ 130.00	1,656	\$ 215,280.00
Geotechnical	\$ 150.00	1,900	\$ 285,000.00
On-Site Engineering	\$ 140.00	3,531	\$ 494,340.00
Contract Manager	\$ 155.00	3,200	\$ 496,000.00
Contract Manager	\$ 155.00	3,200	\$ 496,000.00
Contract Manager	\$ 155.00	2,000	\$ 310,000.00
Site Operator	\$ 100.00	960	\$ 96,000.00
Surveyor	\$ 150.00	414	\$ 62,100.00
Equipment Charges			\$ 213,408.00
CO #1 Senior Engineer <sup>1</sup>	\$ 175.00	3,840	\$ 672,000.00
CO #1 Engineer <sup>2</sup>	\$ 140.00	3,840	\$ 537,600.00
CO #1 Site Operator <sup>3</sup>	\$ 100.00	14,908	\$ 1,490,800.00
CO # Site Operator <sup>4</sup>	\$ 100.00	15,000	\$ 1,500,000.00
CO #1 Site Operator <sup>5</sup>	\$ 100.00	15,000	\$ 1,500,000.00
CO #1 (See attached quote)			\$ 225,723.00
CO #2 Senior Engineer	\$ 175.00	3,500	\$ 612,500.00
CO #2 Engineer	\$ 140.00	4,000	\$ 560,000.00
CO #2 Site Operator	\$ 100.00	10,500	\$ 1,050,000.00

CO #3 Senior Engineer	\$ 175.00	3,900	\$ 682,500.00	
CO #3 Engineer	\$ 140.00	7,500	\$ 1,050,000.00	
CO #3 Site Operator	\$ 100.00	320	\$ 32,000.00	
CO #4 Project Director (25%)	\$ 225.00	600	\$ 135,000.00	\$1,186,243
CO #4 Project Manager (100%)	\$ 165.00	2,600	\$ 429,000.00	
CO #4 Construction Manager (100%)	\$ 145.00	2,150	\$ 311,750.00	
CO #4 Field Engineer (100%)	\$ 105.00	2,150	\$ 225,750.00	
CO #4 Project Accountant (25%)	\$ 85.00	700	\$ 59,500.00	
CO #4 Contracts Specialist (25%)	\$ 60.00	420	\$ 25,200.00	
CONTINUE TO OVERSEEE TOTAL WRECKING		Change Order 4 Total	\$1,186,200	
		<10% INCREASE	\$300,000	
		Change Order 3 Total	\$1,764,500	
		Change Order 2 Total	\$2,222,500	
		Change Order 1 Total	\$5,926,123	
		Original Award	\$6,082,658	
		Total New Award	\$17,481,981	



**Gene Scott, P.E.**  
*Director, Power/Industrial Decommissioning  
Industrial, Commercial & Power*

APTIM  
5690 DTC Blvd.; Ste 600W  
Greenwood Village, CO 80111  
Tel: +1 303 741 7404  
Mob: +1 303 882 2991  
gene.scott@aptim.com

July 02, 2021

Jamila Akrayi  
JEA  
Manager, Project Management  
4377 Heckscher Drive  
Jacksonville, FL 32226

**Subject: Professional Services for Demolition Management of the St. Johns River Coal Terminal (SJRCT) and Conveyor Systems**

Dear Jamila:

(Please note that this letter is identical to our letter dated June 21, 2021 except that we have made a minor reduction in the total costs to permit rounding of numbers)

*(Please note that this letter is identical to our letter dated June 16, 2021 except for the addition of Travis Gillespie as Contracts Specialist to our proposed staff. This increases our estimated costs by \$24,960 for a new total of \$1,186,200)*

APTIM looks forward to the opportunity to provide the required permitting, demolition planning, preparation, and project management services needed for the demolition of the SJRCT and associated conveyor systems. Given the project level of effort and the necessity to cover two proposed work fronts simultaneously on the project (marine and land-based activities), APTIM estimates the following personnel resources for this project:

<b>APTIM Personnel Resource</b>	<b>% Utilization on the Project</b>
One Project Director	25%
One Project Manager	100%
One Construction Manager	100%
One Field Engineer	100%
One Project Accountant	25%
One Contracts Specialist	20%
<b>Total Estimated Cost:</b>	<b>\$1,186,200</b>





These APTIM resources are based on a standard 40 hours per week schedule (8 hours per day, 5 days per week). If the Contractor(s) choose to work a standard 50 hours per week (10 hours per day, 5 days per week) then APTIM resources can be effectively staggered and overlapped to maintain 40 hours per week to optimize cost.

If the Contractor(s) are approved to work extended hours on any given day or the weekends (i.e., beyond the standard 50-hour work week), then APTIM would invoice any resource working the extended hours on a per-hour rate as follows:

<b>APTIM Personnel Resource</b>	<b>Rate per Hour After 50 Hours per Week</b>
Project Manager	\$165
Construction Manager	\$145
Field Engineer	\$105

Thank you for this opportunity to provide our services on the important project. If you have any questions or require additional information, please contact me at (303) 882-2991.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Gene Scott', with a long horizontal flourish extending to the right.

Gene Scott, P.E.  
Director, Power/Industrial Decommissioning  
APTIM Environmental & Infrastructure, Inc.



## Formal Bid and Award System

Award #4 July 8, 2021

**Type of Award Request:** INVITATION FOR BID (IFB)  
**Requestor Name:** Hamilton, Spencer – Associate Engineer  
**Requestor Phone:** 904-665-4814  
**Project Title:** Northside Generating Station Protection & Controls Projects  
**Project Number:** 8007013  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** \$544,000.00

**Scope of Work:**

The JEA is soliciting Bids from contractors (hereinafter referred to as “Company”) for construction services for the Northside Generating Station, Substation JEA System Protection & Controls Projects.

Construction services for JEA System Protection & Control Projects include but are not limited to:

- Installation of conduits in yard runs
- Installation of control house and yard control cables
- Providing personnel for onsite outage support
- Removal the entire length of decommissioned cable (panel to panel and from the control house up to the equipment).

The Contractor shall mobilize after the issuance of Purchase Order (PO) from JEA. The Contractor is to note that this work shall be performed in phases dependent upon electrical outages granted by JEA’s System Operations Control Center (SOCC). Therefore, once the outage has been granted by SOCC, the Contractor should have the ability to mobilize within 48-hour notice from JEA Project Manager. Once, the granted outage work has been completed the Contractor may be asked to demobilize until the next outage has been granted. Contractor shall follow Construction Documents to determine the sequence of work. JEA has Electric System Security concerns, which require that this Work be completed on time.

**JEA IFB/RFP/State/City/GSA#:** 1410336846  
**Purchasing Agent:** Lovgren, Rodney  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
COGBURN BROS, INC.	Austin Helmers	ahelmers@cogburnbros.com	3300 Faye Road, Jacksonville, FL 32226	(904)358-7344	\$549,890.00

**Amount for entire term of Contract/PO:** \$549,890.00  
**Award Amount for remainder of this FY:** \$0.00 (actual work start FY22)  
**Length of Contract/PO Term:** Project Completion

**Begin Date (mm/dd/yyyy):** 07/15/2021  
**End Date (mm/dd/yyyy):** Project Completion (Expected: 09/30/2022)  
**JSEB Requirement:** N/A – Optional  
**Comments on JSEB Requirements:**

**BIDDERS:**

Name	Amount
COGBURN BROS INC.	\$549,890.00
C & C POWERLINE	\$728,553.00

**Background/Recommendations:**

Advertised on 05/20/2021. Four (4) prime contractors attended the optional pre-bid meeting held on 05/27/2021 and Mandatory site walk through at NGS. At Bid opening on 06/29/2021, JEA received two (2) Bids. JEA received limited competition on this bids, as the work is to be performed on an intermittent basis (i.e. numerous mobilizations, due to scheduling) and a limited size project. Cogburn Bros Inc. is the responsive and responsible Bidder, with the lowest cost to JEA. A copy of the Bid Form is attached as backup.

The award amount is approximately 1% higher than the budget estimate and is deemed reasonable.

1410336846 – Request approval to award a contract to Cogburn Bros. Inc for heat trace services for in the amount of \$549,890.00, subject to the availability of lawfully appropriated funds.

**Manager:** Heaton, Ryan C. - Mgr System Protection and Control Projects  
**Sr. Director:** Acs, Gabor - Sr Dir Engineering & Projects  
**VP:** Erixton, Ricky D. - VP Electric Systems

**APPROVALS:**

---

**Chairman, Awards Committee** **Date**

---

**Budget Representative** **Date**

Appendix B - Bid Forms  
1410336846 Northside Substation APSTF Protection and Controls Project

Submit an electronic pdf of the Response Forms on the cloud sourcing platform in accordance with the instructions in this solicitation.

Company Name: Cogburn Bros. Inc

Company's Address: 3300 Faye Road Jacksonville, FL 32226

License Number: EC-0000426

Phone Number: (904) 358-7344 FAX No: (904) 358-2805 Email Address: ahelmers@cogburnbros.com

**BID SECURITY REQUIREMENTS**

- ☐ None required  
☒ Certified Check or Bond Five Percent (5%)

**TERM OF CONTRACT**

- ☐ One Time Purchase  
☐ Annual Requirements Five (5) Years w/Two (2) – 1Yr Renewals  
☒ Other, Specify - Project Completion

**SAMPLE REQUIREMENTS**

- ☒ None required  
☐ Samples required prior to Bid Opening  
☐ Samples may be required subsequent to Bid Opening

**SECTION 255.05, FLORIDA STATUTES CONTRACT BOND**

- ☐ None required  
☒ Bond required 100% of Bid Award

**QUANTITIES**

- ☐ Quantities indicated are exacting  
☒ Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.

**INSURANCE REQUIREMENTS**

Insurance required

**PAYMENT DISCOUNTS**

- ☐ 1% 20, net 30  
☐ 2% 10, net 30  
☐ Other \_\_\_\_\_  
☐ None Offered

Item No.	ENTER YOUR BID FOR THE FOLLOWING DESCRIBED ARTICLES OR SERVICES	TOTAL BID PRICE
1	Subtotal for all work – 1410336846 Northside Substation APSTF Protection and Controls Project	\$499,900.00
2	Supplemental Work Authorization (10% SWA – 10% of Line 1)	\$49,990.00
3	Total Bid Price (Total of Lines 1 & 2)	\$549,890.00

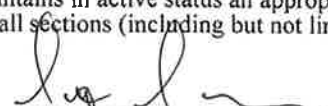
☐ I have read and understood the Sunshine Law/Public Records clauses contained within this solicitation. I understand that in the absence of a redacted copy my proposal will be disclosed to the public "as-is".

**BIDDER CERTIFICATION**

By submitting this Bid, the Bidder certifies that it has read and reviewed all of the documents pertaining to this Solicitation, that the person signing below is an authorized representative of the Bidding Company, that the Company is legally authorized to do business in the State of Florida, and that the Company maintains in active status an appropriate contractor's license for the work (if applicable). The Bidder also certifies that it complies with all sections (including but not limited to Conflict Of Interest and Ethics) of this Solicitation.

We have received addenda

\_\_\_\_ 1 \_\_\_\_ through \_\_\_\_ 2 \_\_\_\_

  
Handwritten Signature of Authorized Officer of Company or Agent

6-28-21

Date

SCOTT SULLIVAN ✓ P  
Printed Name and Title



**MINIMUM QUALIFICATIONS**

THE MINIMUM QUALIFICATIONS SHALL BE SUBMITTED ON THIS FORM. IN ORDER TO BE CONSIDERED A QUALIFIED BIDDER BY JEA YOU MUST MEET THE MINIMUM QUALIFICATIONS LISTED BELOW, AND BE ABLE TO PROVIDE ALL THE SERVICES LISTED IN THIS SOLICITATION.

THE BIDDER MUST COMPLETE THE BIDDER INFORMATION SECTION BELOW AND PROVIDE ANY OTHER INFORMATION OR REFERENCE REQUESTED. THE BIDDER MUST ALSO PROVIDE ANY ATTACHMENTS REQUESTED WITH THIS MINIMUM QUALIFICATIONS FORM.

**BIDDER INFORMATION**

COMPANY NAME: Cogburn Bros Inc.

BUSINESS ADDRESS: 3300 Faye Road

CITY, STATE, ZIP CODE: Jacksonville, Florida 32226

TELEPHONE: (904) 358-7344

FAX: (904) 358-2805

E-MAIL: ahelmers@cogburnbros.com

PRINT NAME OF AUTHORIZED REPRESENTATIVE: AUSTIN HELMERS

SIGNATURE OF AUTHORIZED REPRESENTATIVE: 

NAME AND TITLE OF AUTHORIZED REPRESENTATIVE: Austin Helmers Assistant Project Manager

- A valid State of Florida Electrical Contractors License (enter number on Bid Form located in Appendix B)
- Bidder shall have successfully completed two (2) similar projects, within the last six (6) years as of the Bid Due Date, which includes control panel, conduit installation, cable pulling and cable termination work in substations or electrical generation plants in the State of Florida.
  - Each similar project shall have been \$300,000.00 or greater per project (list projects on the Minimum Qualification Form located in Appendix B)

Appendix B - Bid Forms  
1410336846 Northside Substation APSTF Protection and Controls Project

0

Reference   1   of   2  

Reference Name: Theron Colbert- JEA Electrical Production Project Manager

Reference Phone Number: (904) 665-7628

Reference E-Mail Address: colberttc@jea.com

Contract Duration/Amount: November 2019 - August 2020 / \$801,356.00

Description of Project: JEA Northside Generating Station NO2 Crusher / B- Train Conveyer Upgrades  
De-Termination of Cabling from motors and. equipment associated with Crusher/Conveyor Systems.  
Modifications made to raceways and cabling systems to prepare for new equipment upgrades. Relocation  
of instrumentation and controls to equipment in area. Installation of new low voltage motor control center  
sections. circuit breakers, CPX 18 Pulse Variable Frequency Drives. Safety Disconnect Switches, and  
Emergency Push Stop Buttons. Relocation and Installation of Light Fixtures and Circu.itry throughout  
project. Wire terminations to all equipment, motors. control panels, low voltage motor control centers,  
circuit breakers, and VFDs. Startup and Commissioning-performed with associated equipment  
manufacturers.

Appendix B - Bid Forms  
1410336846 Northside Substation APSTF Protection and Controls Project

Reference   2   of   2  

Reference Name: Daniel Weaver – JEA Wastewater Treatment and Reuse Manager – East Grid

Reference Phone Number: (904) 665-4485

Reference E-Mail Address: weavd2@jea.com

Contract Duration/Amount: October 2016 - March 2020 / \$1,324,119.03

Description of Project: Arlington East Water Reclamation Facility Secondary Clarifier Addition

Complete Electrical Installation of New Secondary Clarifier. Work for this project included, but was not  
limited to, the following: Underground electrical installations including duct banks and the installation  
of manholes and pull boxes. Above ground conduit and wiring. The installation and connection  
of various pumps, motors, and safety disconnects switches. Construction of New Electrical Building  
which included low voltage motor control centers, transformer, power panels, variable frequency drives,  
control panels, push button control stations, and fiber optic panel. Installation of profibus communication  
cabling. Assisted integration contractor in complete programming of new communication network and  
integration to existing facility network. Complete startup and commissioning of all equipment.

CONSTRUCTION AND DEMOLITION DEBRIS DISPOSAL


(See Subsection \_\_\_\_ - Instructions to Bidders)

Construction and demolition debris at the worksite will be disposed of at Cogburn Bros Electric Office ;

3300 Faye Road Jacksonville Florida 32226

This location is subject to Certificate of Necessity No. Cogburn Bros Electric , and is designated by

Public Works Department Permit No. \_\_\_\_\_.



(Signature)

Assistant Project Manager

(Title)



### LIST OF SUBCONTRACTORS

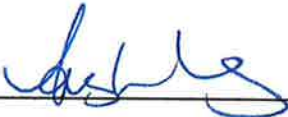
JEA Solicitation Number **1410336846** requires certain major Subcontractors be listed on this form, unless the work will be self-performed by the Company.

The undersigned understands that failure to submit the required Subcontractor information on this form will result in bid rejection, and the Company agrees to employ the Subcontractors specified below: (Use additional sheets as necessary)

Note: This list of Subcontractors shall not be modified subsequent to bid opening, without a showing of good cause and the written consent of JEA.

Type of Work	Corporate Name of Subcontractor	Subcontractor Primary Contact Person & Telephone Number	Subcontractor's License Number (if applicable)	Percentage of Work or Dollar Amount

N/A

Signed:  \_\_\_\_\_

Company: Cogburn Bros Inc.

Address: 3300 Faye Road Jacksonville, FL, 32226

Date: June 28, 2021

BID BOND

STATE OF FLORIDA

COUNTY OF: Duval }

KNOW ALL PERSONS BY THESE PRESENTS, That we, Cogburn Bros., Inc. (hereinafter called "Principal"), and Western Surety Company as Surety (hereinafter called "Surety"), are held and firmly bound unto the JEA of the City of Jacksonville, Florida (hereinafter called the "JEA"), in the sum of \$ \*\*\*\*, lawful money of the United States of America, for the payment which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents:

WHEREAS, the Principal contemplates submitting or has submitted a Bid to the JEA for:

\*\*\*\* Five Per Cent of Amount Bid ( 5% )

JEA Northside APSTF System Protection & Control Project 20413

WHEREAS, it was a condition precedent to the submission of said Bid that a certified check or Bid Bond in the amount of \*\*\*\* be submitted with said Bid as a guaranty that the Principal would, if awarded the contract, enter into a written contract with the JEA and furnish a Section 255.05 Florida Statutes Contract Bond in an amount equal to 100% for the performance of said contract, within ten consecutive calendar days after written notice being given of acceptance by the JEA.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that if the Bid of the Principal herein be accepted and said Principal, within ten consecutive calendar days after written notice being given of such acceptance, enters into a written contract with the JEA, and furnishes a Section 255.05, Florida Statutes Contract Bond in an amount equal to 100% satisfactory to the JEA, then this obligation shall be void; otherwise, the sum herein stated shall be due and payable to the JEA, and the Surety herein agrees to pay said sum immediately upon demand of said JEA, in good and lawful money of the United States of America; as liquidated damages for failure thereof of said Principal.

IN WITNESS WHEREOF, the said Principal and the said Surety have duly executed this bond the 29th day of  
June 2021

ATTEST:

Kristin Kincade  
Signature  
Kristin Kincade  
Type/Print Name  
Kimberly Sapp  
Signature  
Kimberly Sapp  
Type/Print Name

Signed, Sealed and Delivered  
in the Presence of:

Jeanne M. Vlieg  
Signature  
Jeanne M. Vlieg  
Type/Print Name  
David L. Cain  
Signature  
David L. Cain  
Type/Print Name

Cogburn Bros., Inc.  
(Principal Company Name)  
Kathy Wine  
Signature  
KATHY WINE  
Type/Print Name  
CORP, SECRET.  
Title  
**AS PRINCIPAL**

Western Surety Company  
(Surety Company Name)  
Terry F. Vlieg  
Signature  
Terry F. Vlieg  
Type/Print Name  
Attorney-in-Fact  
Title  
**AS SURETY**

Name of Agent Terry F. Vlieg  
Address: P.O. Box 24494  
Jacksonville, FL 32241

Countersigned: Terry F. Vlieg  
By Terry F. Vlieg  
Resident Agent  
State of Florida

Name of Firm: Surety Markets, Inc.  
Address: P. O. Box 24494  
Jacksonville, FL 32241

Form Approved:

Assistant General Counsel

# Western Surety Company

## POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

**Terry F Vliek, Individually**

of Jacksonville, FL, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

### - In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 15th day of June, 2015.



WESTERN SURETY COMPANY

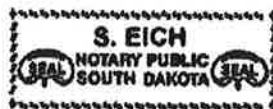
Paul T. Bruflat, Vice President

State of South Dakota }  
County of Minnehaha } ss

On this 15th day of June, 2015, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

February 12, 2021



S. Eich, Notary Public

### CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 29th day of June, 2021.



WESTERN SURETY COMPANY

L. Nelson, Assistant Secretary





## Formal Bid and Award System

Award #6 July 8, 2021

**Type of Award Request:** CHANGE ORDER

**Requestor Name:** Clendening, William M.

**Requestor Phone:** (904) 665-4723

**Project Title:** Buckman Wastewater Reclamation Facility (WRF) Blower System Improvements Project

**Project Number:** 8004746

**Project Location:** JEA

**Funds:** Capital

**Budget Estimate:** N/A

**Scope of Work:**

Provide engineering services for the Buckman WRF Blower System Improvements project. The engineering services shall include the study, preliminary design, 100% design, bid phase, and engineering support services during construction and acceptance testing. The current blowers installed in 2013 have not performed well for extended periods. The manufacturer of the current blowers has performed a significant amount of repairs and redesigns and the facility continues experiencing blower failures.

**JEA IFB/RFP/State/City/GSA#:** 050-17

**JEA CPA#** 171116

**Purchasing Agent:** Kruck, Daniel R.

**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	mike.dykes@jacobs.com	200 W Forsyth Street, Suite 1520, Jacksonville, FL 32202	(904) 224-3136	\$413,667.00

**Amount of Original Award:** \$1,385,404.38

**Date of Original Award:** 12/21/2017

**Change Order Amount:** \$413,667.00

**List of Previous Change Order/Amendments:**

CPA #	Amount	Date	Reason
17116	\$507,042.00	05/09/2019	JEA scope increase including, a new building and HVAC systems

**New Not-To-Exceed Amount:** \$2,306,113.38

**Length of Contract/PO Term:** Project Completion

**Begin Date (mm/dd/yyyy):** 02/02/2018

**End Date (mm/dd/yyyy):** Project Completion (Expected: March 2022)

**JSEB Requirement:** Five Percent (5%) Evaluation Criteria

**Comments on JSEB Requirements:**

Original Award

R.E. Holland (Survey) – 1.44%

Change Order:

N/A

**Background/Recommendations:**

Originally approved by Awards Committee on 12/21/2017 in the amount of \$1,385,404.38 to CH2M Hill Engineers Inc. Since the original award, CH2M Hill Engineers, Inc. was acquired by Jacobs Engineering, Inc. Staffing for this project has remained consistent since the acquisition. A previous change order was approved by the Awards Committee on 05/09/2019 in the amount of \$507,042.00 for JEA-directed scope increases, including a new switchgear building, and new HVAC systems for the existing blower building. Copies of the previous awards are attached as backup.

This current award request is for a change order to the contract of Jacobs Engineering, Inc. for the Buckman WRF Blower System Improvements project. After Jacobs delivered the 90% design documents JEA decided to modify the design specifications due to a change in the proposed layout of other plant projects. The modifications include using the new building switchgear building for the switchgear and as a storage facility. The scope of this contract amendment includes the necessary modifications to the design to make this change to the structural design and additional site/civil modifications that are necessary. This amendment also adds funds for additional services during construction to coordinate with the CMAR firm performing the construction. The hourly rates for this contract have been increased by 1.5% per year, as negotiated with Jacobs at the time of original contract execution.

Request approval to award a change order to Jacobs Engineering, Inc. for additional engineering and services during construction for the Buckman WRF Blower System Improvements project in the amount of \$413,667.00, for a new not-to-exceed amount of \$2,306,113.38, subject to the availability of lawfully appropriated funds.

**Manager:** Collier, Bradley W - Mgr W/WW Project Management  
**Director:** Conner, Sean M - Dir W/WW Project Engineering & Construction  
**VP:** Hai, Vu X. – VP Water Wastewater Systems

**APPROVALS:**

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<b>Chairman, Awards Committee</b>	<b>Date</b>
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<b>Budget Representative</b>	<b>Date</b>
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**Formal Bid and Award System**

Award #2 May 9, 2019

**Type of Award Request:** CHANGE ORDER**Requestor Name:** Clendening, William M.**Requestor Phone:** (904) 665-4723**Project Title:** Buckman Wastewater Reclamation Facility (WRF) Blower System Improvements Project**Project Number:** 8004746**Project Location:** JEA**Funds:** Capital**Budget Estimate:** \$1,400,000.00**Scope of Work:**

Provide engineering services for the Buckman WRF Blower System Improvements project. The engineering services shall include the study, preliminary design, 100% design, bid phase, and engineering support services during construction and acceptance testing. The current blowers installed in 2013 have not performed well for extended periods. The manufacturer of the current blowers has performed a significant amount of repairs and redesigns and the facility continues experiencing blower failures.

This project impacts the following JEA Measures of Value:

- Community Impact Value: – provides better reliability in the proper treatment of wastewater for customers in the Buckman area of JEA's Core City grid
- Environmental Value: – provides better reliability in the proper treatment of wastewater for meeting regulatory requirements for the Buckman WRF
- Financial Value : Reduce the Risk of regulatory fines associated with Process failures

**JEA IFB/RFP/State/City/GSA#:** 050-17**JEA CPA#** 171116**Purchasing Agent:** Kruck, Daniel R.**Is this a Ratification?:** NO**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	mike.dykes@jacobs.com	245 Riverside Ave Ste 300, Jacksonville FL 32202	(904) 224-3136	\$507,042.00

**Amount of Original Award:** \$1,385,404.38**Date of Original Award:** 12/21/2017**Change Order Amount:** \$507,042.00**New Not-To-Exceed Amount:** \$1,892,446.38**Length of Contract/PO Term:** Project Completion**Begin Date (mm/dd/yyyy):** 02/02/2018**End Date (mm/dd/yyyy):** Project Completion (Expected: March 2022)

**JSEB Requirement:**

Five Percent (5%) Evaluation Criteria

**Comments on JSEB Requirements:**Original Award

R.E. Holland (Survey) – 1.44%

Change Order:

N/A

**Background/Recommendations:**

Originally approved by Awards Committee on 12/21/2017 in the amount of \$1,385,404.38 to CH2M Hill Engineers Inc. Since the original award, CH2M Hill Engineers, Inc. has merged with Jacobs Engineering, Inc. Staffing for this project has remained consistent since the merger. A copy of the original award is attached as backup. The difference between the original award of \$1,385,404.38 and the \$800,000.00 original engineering cost estimate was due to added scope by the previous VP to address:

- Task 3 - Aeration basin diffuser study and development of a PRO-2D process model.
- Task 8 - Services during construction (SDC).
- Task 9 - Existing Neuros blowers on-call professional services, assist JEA trouble shoot warranty issues.
- Task 9 - Design and startup support for new roof-mounted fans.

This current award request is for a change order to the contract of Jacobs Engineering, Inc. for the Buckman WRF Blower System Improvements project. JEA has added scope including preparing design documents for the installation of heating, ventilation, and air conditioning (HVAC) systems for the existing control panels in the blower building electrical room, and design documents for construction of a new distribution switchgear building. The added scope includes:

- New distribution switchgear building that addresses the blower project and the biosolids project. The distribution switchgear building will be designed to be located above the Category 4 flood stage.
- New electrical transmission duct bank, S&C switching and transformers.
- New air-conditioned electrical room inside existing blower building for the existing Neuros panels.
- Piping improvements to prevent blower building basement from flooding, two single-point of failures were identified and will be addressed.

The total amount for the added scope is \$507,042.00. The change order quote is attached as backup. A budget trend will be submitted for this award request.

The project details are below:

- Original Project Budget: \$6,800,000.00
  - Engineering Estimate: \$800,000.00
  - Construction Estimate: \$5,200,000.00
  - JEA Services Cost: \$800,000.00
- Estimate at Completion: \$11,713,441.00 (30% design estimate)
  - Engineering Cost: \$1,892,446.38
    - Design Services: \$1,442,251.38 (15.5% of estimated construction costs)
    - SDC: \$450,195.00 (4.8% of estimated construction costs)
  - Construction Cost Estimate: \$9,309,000.00
  - JEA Services Cost: \$511,994.62
- Original Schedule:
  - Engineering Completion: August 2019
  - Construction Completion: May 2021



- Revised Schedule:
  - Engineering Completion: November 2019
  - Construction Completion: March 2022

Major Change/Issue: The existing blower building distribution switchgear has exceeded its useful life. A new resilient distribution switchgear building for the blower project and biosolids project was added to the project at the request of JEA operations staff. The design includes a phasing plan to show how the Neuros blowers can be replaced with single-stage integrally-gearred blowers in a logical sequence.

Added a dedicated air-conditioned electrical room for the existing Neuros panels. Make improvements to reduce existing blower building basement flooding.

Engineering/Resiliency - Design of new distribution switchgear building (60%, 90% and Final). The previous scope was all self-contained in the blower building. The scope change required the addition of geotechnical borings and engineering, resiliency assessment, site survey and civil engineering, HVAC design and architecture.

Construction – Addition of external electrical switchgear building to support blowers and biosolids process. The \$9.3 million dollar estimate was provided by the engineer as a Class 3 estimate (-20%, +30%).

Request approval to award a change order to Jacobs Engineering, Inc. for additional engineering and services during construction for the Buckman WRF Blower System Improvements project in the amount of \$507,042.00, for a new not-to-exceed amount of \$1,892,446.38, subject to the availability of lawfully appropriated funds.

**Manager:** Collier, Bradley W - Mgr W/WW Project Management  
**Director:** Conner, Sean M - Dir W/WW Project Engineering & Construction  
**VP:** Calhoun, Deryle I. - VP/GM Water Wastewater Systems

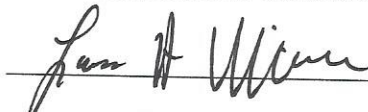
**APPROVALS:**



5/9/19

Chairman, Awards Committee

Date



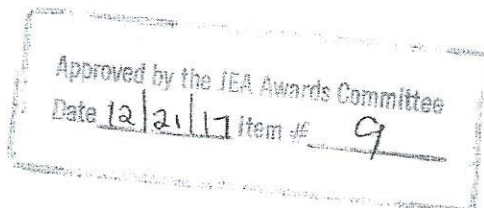
5/9/19

Manager, Capital Budget Planning

Date



CPA 171116

**Formal Bid & Award System**

Award #9 December 21, 2017

Type of Award Request: PROPOSAL (RFP)  
Request #: 1820  
Requestor Name: Vu, Hai X. - Manager - Water Plants Engineering & Construction  
Requestor Phone: (904) 665-4028  
Project Title: Buckman WRF Blower System Improvements  
Project Number: 8004746  
Project Location: JEA  
Funds: Capital  
Award Estimate: \$1,400,000.00  
Scope of Work: Provide engineering services for the Buckman Waste Water Treatment Plant (WWTP) Blower System Improvements project. The engineering services shall include the study, preliminary design, 100% design, bid phase, and engineering support services during construction and acceptance testing.

JEA IFB/RFP/State/City/GSA#: 050-17  
Purchasing Agent: Kruck, Daniel Robert (Dan)  
Is this a Ratification?: NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
CH2M HILL ENGINEERS INC.	CAROL FOSTER	carol.foster@ch2m.com	9127 South Jamaica St, Englewood CO 80112	(904) 733-9119	\$1,385,404.38

Amount for entire term of Contract/PO: \$1,385,404.38  
Award Amount for remainder of this FY: \$650,000.00  
Length of Contract/PO Term: Project Completion  
Begin Date (mm/dd/yyyy): 12/11/2017  
End Date (mm/dd/yyyy): Project Completion  
JSEB Requirement: Evaluation Criteria (5% max)  
Comments on JSEB Requirements: RE Holland (Survey): 1.44%

**BIDDER:**

Name	Amount	Rank
CH2M HILL ENGINEERS INC.	\$1,385,404.38	1

**Background/Recommendations:**

Advertised 01/19/2017. Four (4) companies attended the mandatory pre-proposal meeting on 01/25/2017. At Proposal opening on 02/14/2017, JEA received one (1) proposal from CH2M HILL Engineers, who teamed up with Black & Veatch. Two companies did not submit a Proposal, stating a desire to concentrate efforts on other opportunities with the likelihood of higher success. The CH2M HILL/Black & Veatch team included subject matter experts from both firms who have been assisting JEA to solve the turbo blower issues. Black & Veatch will play a significant subcontracted role in the evaluation, design, and construction oversight. The public evaluation meeting was held on 03/14/2017, and JEA deemed



CH2M Hill Engineers, Inc. qualified to perform the work. A copy of the evaluation matrix is attached as back-up.

JEA installed new high-speed, gearless turbo blowers at the Buckman Water Reclamation Facility in 2013. These blowers provide oxygen for the wastewater treatment process and are critical for meeting water quality objectives. Although very efficient, they have experienced numerous failures and operational issues. Causes for failures have been attributed to the higher than expected levels of hydrogen sulfide and dust. JEA has implemented numerous improvements, including conformal coating of electronic components to prevent corrosion, improving intake filtration, and relocating the air intake from ground level to the rooftop to make these units more reliable.

To have confidence in the reliability and redundancy in the operation of the aeration system at Buckman, JEA proposes to design and construct a new blower system that can work in parallel with and will provide up to fifty percent (50%) back-up capacity to the existing turbo blowers. The new blowers will be robust, resistant to the levels of hydrogen sulfide and dust found at Buckman, have a proven track record, and simple to operate and maintain.

For engineering, JEA requires an integrated approach to evaluate and design the blower system, including evaluating current and projected air requirements, air header and diffusers; perform system modeling; and evaluating and selecting blower technologies for proven, consistent operational reliability.

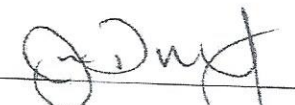
The total cost for engineering services, including evaluation, design, permitting, and full services during construction is based on hourly rates with a not-to-exceed amount of \$1,385,404.38, which is less than one percent (1%) of the \$1,400,000.00 estimate for engineering fee, and is deemed to be reasonable. The breakdown of the fee is shown below:

- Evaluation of the Aeration System: \$235,641.63
- Design, Permitting, and Bidding Support: \$719,074.74
- Full Services During Construction (including inspection): \$430,688.01

050-17 - Request approval to award a contract to CH2M HILL Engineers, Inc. for engineering services for the Buckman WRF - Blower System Improvements project in the amount of \$1,385,404.38, subject to the availability of lawfully appropriated funds.

Director: Marshall, Raynetta C. - Dir, WWW Grid Project Eng & Construction  
VP: Roche, Brian J. - VP/GM Water Wastewater Systems

**APPROVALS:**

  
Chairman, Awards Committee  
Date 12-21-17

  
Manager, Capital Budget Planning  
Date 12/21/17

GENERAL CONTRACT SCOPE OF SERVICES

JEA Buckman Water Reclamation  
Facility Aeration System  
Improvements

JEA RFP – 050-17

JEA Contract No. \_\_\_\_\_

*Prepared for*



October 2017 (rev 2)



In association with





## Schedule

Attachment B provides an estimated schedule for completion of the work outlined in this scope.

## Payment of Services

JEA will pay CH2M on a time-and-materials basis for a not-to-exceed fee of \$1,385,404.38 for Tasks 1 through 9, following the task breakdown shown in Table 1.

**Table 1**

Task	Total
Task 1: Mobilize the Team and conduct Project Kickoff Workshop (Review Existing Docs/Prelim. Technology Options and Kick Off Meeting)	\$52,314.68
Task 2: Develop an Understanding and Conduct Assessment of Existing System	\$62,889.83
Task 3: Diffuser Study (Like-for-Like Replacement Analysis)	\$45,770.88
Task 4: Develop the Basis of Design Report and Implementation Plan	\$126,980.92
Task 5: Develop Detailed Design Plans and Specifications	\$458,843.52
Task 6: Provide Permitting Assistance	\$14,046.76
Task 7: Provide Bidding and Procurement Assistance	\$24,856.06
Task 8: Provide Support Services During Construction, Startup, and System Acceptance	\$430,688.01
Task 9: Provide On-Call Services to Support the Existing Blower System/Facility	\$119,186.72
<b>Total Time and Materials Fee Labor (CH2M/B&amp;V Team)</b>	<b>\$1,335,577.38</b>
<b>Total B&amp;V Expenses</b>	<b>\$12,107.00</b>
<b>Total CH2M Expenses</b>	<b>17,720.00</b>
<b>Total JSEB Subcontractor</b>	<b>\$20,000</b>
<b>Total Project Cost</b>	<b>\$1,385,404.38</b>

This scope of services will be executed under the terms and conditions of the qualified proposers list, and the basis of payment, will be time and materials each month based on the bill rates provided in Attachment D.

**JEA Buckman Water Reclamation Facility Aeration System Improvements - Proposed Drawing List**  
29-Sep-17

Sheet No.	Discipline	CH2M or B&V	Drawing Title	Notes
1	General	CH2M	Project Vicinity / Location Maps and Index to Drawings	
2	General	CH2M	Abbreviations	
3	General	CH2M	HVAC Legend and General Notes	
4	General	CH2M	Architectural General Notes and Material Symbols Legend	
5	General	CH2M	Structural General Notes	
6	General	CH2M	Structural General Notes	
7	General	B&V	Mechanical Legend Sheet 1 of 2	
8	General	B&V	Mechanical Legend Sheet 2 of 2	
9	General	B&V	Electrical Legend Sheet 1 of 2	
10	General	B&V	Electrical Legend Sheet 2 of 2	
11	General	CH2M	Instrumentation and Control Legend Sheet 1 or 2	
12	General	CH2M	Instrumentation and Control Legend Sheet 2 or 2	
13	Instrumentation and Control	CH2M	Blower P&ID	
14	Instrumentation and Control	CH2M	Blower P&ID	
15	Instrumentation and Control	CH2M	Block Diagram	
16	Instrumentation and Control	CH2M	Standard Details	
17	Architecture	CH2M	Blower Building Life Safety Plan	
18	Architecture	CH2M	Blower Building - Demolition Plan	No changes to building egress
19	Architecture	CH2M	Blower Building - Demolition Photos	
20	Architecture	CH2M	Blower Building - First Floor Plan	
21	Architecture	CH2M	Blower Building - Schedules	
22	Structural	CH2M	Blower Building - Basement Plan	
23	Structural	CH2M	Blower Building - First Floor Plan	
24	Structural	CH2M	Blower Building - Sections	
25	Structural	CH2M	Blower Building - Sections	
26	Structural	CH2M	Blower Building - Sections and Details	
27	Structural	CH2M	Blower Building - Sections and Details	
28	Structural	CH2M	Standard Details	
29	Structural	CH2M	Standard Details	
30	Structural	CH2M	Standard Details	
31	Process Mechanical	B&V	First Floor - Blower Plan	
32	Process Mechanical	B&V	Basement - Piping Plan	CH2M to prepare process model
33	Process Mechanical	B&V	Blower - Section and Details	
34	Process Mechanical	B&V	Blower - Sections and Details	
35	Process Mechanical	B&V	Blower Piping - Support Details	
36	Process Mechanical	B&V	Blower Piping - Support Details	
37	Process Mechanical	B&V	Standard Details	
38	Process Mechanical	B&V	Standard Details	
39	Electrical	B&V	Blower Building - First Floor Demolition Plan	
40	Electrical	B&V	Blower Building - Demolition Photos	
41	Electrical	B&V	Blower Building - First Floor Power Plan	No lighting design included
42	Electrical	B&V	Blower Building - First Floor Grounding Plan	
43	Electrical	B&V	One Line Diagram	
44	Electrical	B&V	Motor Elementary Control Diagram	
45	Electrical	B&V	Panelboard and Conductor Schedules	
46	Electrical	B&V	Standard Details	
47	Electrical	B&V	Standard Details	
48	Electrical	B&V	Standard Details	



**ATTACHMENT C -**  
**JEA Buckman Water Reclamation Facility Aeration System Improvements**  
**Engineering Services Proposed Fee**

<b>CH2M HILL LABOR</b>		<b>Hours</b>	<b>Cost</b>
Task 1	Mobilize the Team and Conduct Project Kickoff Workshop	224	\$40,008.24
Task 2	Develop an Understanding and Conduct Condition Assessment of Existing System	278	\$49,755.83
Task 3	Diffuser Study (like-for-like replacement analysis)	276	\$41,890.88
Task 4	Develop Basis of Design Report (BODR) and Implementation Plan	489	\$85,723.18
Task 5	Develop Detailed Design Plans and Specifications	1,742	\$271,777.70
Task 6	Provide Permitting Assistance	64	\$10,736.36
Task 7	Provide Bidding and Procurement Assistance	102	\$17,299.94
Task 8	Provide Support Services During Construction, Startup, and System Acceptance	2,279	\$342,100.61
Task 9	Provide On-Call Services to support JEA and APG-Neuros implementation modifications to the existing blower systems	300	\$62,023.28
<b>Labor Total</b>		<b>5,754</b>	<b>\$ 921,316.02</b>
<b>B&amp;V Labor</b>			
Task 1	Mobilize the Team and Conduct Project Kickoff Workshop	74	\$12,306.44
Task 2	Develop an Understanding and Conduct Condition Assessment of Existing System	74	\$13,134.00
Task 3	Diffuser Study (like-for-like replacement analysis)	18	\$3,880.00
Task 4	Develop Basis of Design Report (BODR) and Implementation Plan	264	\$41,257.74
Task 5	Develop Detailed Design Plans and Specifications	1206	\$187,065.82
Task 6	Provide Permitting Assistance	16	\$3,310.40
Task 7	Provide Bidding and Procurement Assistance	51	\$7,556.12
Task 8	Provide Support Services During Construction, Startup, and System Acceptance	586	\$88,587.40
Task 9	Provide On-Call Services to support JEA and APG-Neuros implementation modifications to the existing blower systems	300	\$57,163.44
<b>B&amp;V Labor Total</b>		<b>2,568</b>	<b>\$414,261.36</b>
<b>Grand Total (Labor)</b>		<b>8,207</b>	<b>\$1,335,577.38</b>
<b>CH2M Expenses</b>			<b>\$17,720.00</b>
<b>B&amp;V Expenses</b>			<b>\$12,107.00</b>
<b>Survey RE Holland (3D Survey Building)</b>			<b>\$20,000.00</b>
<b>Contract Time and Material (TM ) Fee Amount:</b>			<b>\$1,385,404.38</b>

**ATTACHMENT D -**  
**JEA Buckman Water Reclamation Facility Aeration System Improvements**  
**Engineering Services Proposed Fee**  
**Proposed Billing Rates**

9/29/2017

Labor Category	2017	2018	2019	2020
Design Technician 2	\$77.12	\$78.28	\$79.45	\$80.64
Design Technician 3	\$115.14	\$116.87	\$118.62	\$120.40
Design Technician 4	\$156.61	\$158.96	\$161.34	\$163.76
Engineer 1/Technologist 1	\$105.04	\$106.62	\$108.22	\$109.84
Engineer 2/Technologist 2	\$120.65	\$122.46	\$124.30	\$126.16
Engineer 3/Technologist 3	\$141.92	\$144.05	\$146.21	\$148.40
Engineer 4/Technologist 4	\$167.40	\$169.91	\$172.46	\$175.05
Engineer 5/Technologist 5	\$193.30	\$196.20	\$199.14	\$202.13
Engineer 6/Technologist 6	\$214.52	\$214.52	\$217.74	\$221.01
Engineer 7/Technologist 7	\$236.62	\$236.62	\$240.17	\$243.77
Project Assistant	\$86.18	\$87.47	\$88.78	\$90.11

Escalation 1.5% per year starting 1/1/2018

Year	Escalation
2017	-
2018	1.50%
2019	1.50%
2020	1.50%

*Based on NTP date of 11/2017 and ending 1/2020*



**050-17 Engineering Services for the Buckman WRF Blower System Improvements**

Vendor Rankings	Hai Vu	David Kowalski	Greg Peugh	Σ Rank	Overall Rank
CH2M	1	1	1	3	1

Hai Vu	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity (5 Points)	JSEB (5 Points)	Total	Rank
CH2M	27.60	33	17	4	4	85.60	1

David Kowalski	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity (5 Points)	JSEB (5 Points)	Total	Rank
CH2M	25.73	36	18	4	4	87.73	1

Greg Peugh	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity (5 Points)	JSEB (5 Points)	Total	Rank
CH2M	23.73	32	14	4	4	77.73	1

Overall Averages	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity (5 Points)	JSEB (5 Points)	Total
CH2M	25.69	33.67	16.33	4.00	4.00	83.69

**Table 1. Engineering Fee Breakdown**

*Amendment No. 1, Scope A – Proposed Change Order for Electrical Building, HVAC for Existing Neuros Electrical Panels, and Improvements to Reduce Blower Basement Flooding Risk*

Task	Total
Task 1A.1 – Conceptual Design Phase (30 percent)	\$153,801
Task 1A.2 – Design Development Phase (60 percent, 90 percent, and Final)	\$348,352
Task 1A.3 – Services During Construction, Startup, and System Acceptance	\$105,369
<b>Total B&amp;V</b>	<b>\$102,098</b>
<b>Total Jacobs</b>	<b>\$482,878</b>
<b>Total JSEB Subcontractor</b>	<b>\$22,546</b>
<b>Total Project Cost</b>	<b>\$607,522</b>

### Contract Credit

The scope to provide a half-time (20 hour/week) resident inspector, included in the Original General Scope of Services as Task 8, has been removed from this scope. A contract credit of \$100,480 was applied for this scope item as shown in Table 2 and Attachment 2. A purchase order was not issued for these proposed services that were proposed on a time and materials basis. The new contract amount including Amendment No. 1, Scope A for \$607,522, and the scope credit for removal of the resident inspector at (-\$100,480) totals \$1,892,446. These changes result in a contract increase of \$507,042.

**Table 2. Adjusted Engineering Fee Breakdown**

*Amendment No. 1, Scope A – Proposed Change Order for Electrical Building, HVAC for Existing Neuros Electrical Panels, and Improvements to Reduce Blower Basement Flooding Risk*

Task	Amount
<b>Original Contract</b>	<b>\$1,385,404</b>
<b>Scope A Change Order</b>	<b>\$607,522</b>
<b>Original Contract Task 8 Scope Deduction applied for removing half-time resident inspector</b>	<b>-\$100,480</b>
<b>New Contract Amount with Scope A and Scope Deduction</b>	<b>\$1,892,446</b>

This scope of services will be executed under the terms and conditions of the qualified proposers list, and the basis of payment will be time and materials each month based on the bill rates provided in Attachment 1. Attachment 2 includes a detailed fee breakdown.

### Schedule

Attachment 2 also provides an estimated schedule for the completion of the work outlined in this scope and the original contract.

**Buckman Wastewater Reclamation Facility (WRF) Blower System Improvements Project**

The engineering services shall include the study, preliminary design, 100% design, bid phase, and engineering support services during construction and acceptance testing. The current blowers installed in 2013 have not performed well for extended periods. The manufacturer of the current blowers has performed a significant amount of repairs and redesigns and the facility continues experiencing blower failures. The blowers have exceeded useful life.

Budget Milestones	Date	Engineering Budget	Construction Budget	*JEA Indirect Costs	Total Project Cost	Engineering Schedule	Construction Schedule	Major Change/Issue
Planning	March 2017	\$800,000.00	\$5,200,000.00	\$800,000.00	\$6,800,000.00	August 2019	May 2021	N/A
Engineering Bid	December 2017	\$1,400,000.00	\$5,200,000.00	\$800,000.00	\$7,400,000.00	August 2019	May 2021	The difference between the original award of \$1,385,404.38 and the \$800,000.00 original engineering cost estimate was due to added scope by the previous VP to address: <ul style="list-style-type: none"> <li>Task 3 - Aeration basin diffuser study and development of a PRO-2D process model.</li> <li>Task 8 - Services during construction (SDC).</li> <li>Task 9 - Existing Neuros blowers on-call professional services, assist JEA trouble shoot warranty issues.</li> <li>Task 9 - Design and startup support for new roof-mounted fans.</li> </ul>
30% Design/Change Order	April 2019	\$1,892,446.38	\$9,309,000.00	\$511,994.62	\$11,713,441.00	November 2019	March 2022	Change Order of \$507,042.00 for engineering due to added scope including: <ul style="list-style-type: none"> <li>New distribution switchgear building that addresses the blower project and the biosolids project. The distribution switchgear building will be designed to be located above the Category 4 flood stage.</li> <li>New electrical transmission duct bank, S&amp;C switching and transformers.</li> <li>New air-conditioned electrical room inside existing blower building for the existing Neuros panels.</li> <li>Piping improvements to prevent blower building basement from flooding, two single-point of failures were identified and will be addressed.</li> </ul> <p>Construction – Addition of external electrical switchgear building to support blowers and biosolids process. The \$9.3 million dollar estimate was provided by the engineer as a Class 3 estimate (-20%/+30%).</p>
100% Design								
Construction Bid								
Estimate at Completion	April 2019	\$1,892,446.38	\$9,309,000.00	\$511,994.62	\$11,713,441.00	November 2019	March 2022	

\*Typical project indirect costs include:

- Project Management (PEC or contract Project Manager labor)
- Services During Construction (PEC or contract inspection labor)
- Project Support (JEA labor charges from supporting groups such as Operations, Environmental, etc.)
- Land & Rights (real estate labor and purchases)



ATTACHMENT 2 -  
JEA Buckman WRF Aeration System Improvements  
Proposed Change Order for Electrical Building Options 1, Additional SDC and B&V Out of Scope Work

5/7/2021

2020			2021	2022																
Task List																				
Task 1 Option 1 Switch Gear Building Modifications			Task 1																	
Name		Labor Category			2020 Hours	2021 Hours	2022 Hours	Total Hours	2018 Rate	2019 Rate	2020 Rate	2021 Rate	2022 Rate	Sub Expenses	Total Cost					
Task 1 Option 1 Switch Gear Building Modifications			Task 1		Task 1	Gear Buildi	0	Option 1 Switch Gear Building Modifications												
1. Option 1 Switch Gear Building Modifications					1. Option 1 Switch Gear Building Modifications															
Jeff Thornton		Design Technician 2	12		12	0	0	12	\$ 78.00	\$ 79.00	\$ 80.00	\$ 81.00	\$ 82.00		\$ 960					
Christel Childress		Design Technician 3	12		12	0	0	12	\$ 117.00	\$ 119.00	\$ 121.00	\$ 123.00	\$ 125.00		\$ 1,452					
Patrick Denning		Design Technician 3	28		28	0	0	28	\$ 117.00	\$ 119.00	\$ 121.00	\$ 123.00	\$ 125.00		\$ 3,388					
Tim Loose		Design Technician 4	16		16	0	0	16	\$ 159.00	\$ 161.00	\$ 163.00	\$ 165.00	\$ 167.00		\$ 2,608					
Yvette Fitzgerald		Design Technician 4	8		8	0	0	8	\$ 159.00	\$ 161.00	\$ 163.00	\$ 165.00	\$ 167.00		\$ 1,304					
Ben Dykes		Engineer 1/Technologist 1	4		4	0	0	4	\$ 107.00	\$ 109.00	\$ 111.00	\$ 113.00	\$ 115.00		\$ 444					
Erika Smith		Engineer 3/Technologist 3	16		16	0	0	16	\$ 144.00	\$ 146.00	\$ 148.00	\$ 150.00	\$ 152.00		\$ 2,368					
Jaynelle Pemberton		Engineer 3/Technologist 3			0	0	0	0	\$ 144.00	\$ 146.00	\$ 148.00	\$ 150.00	\$ 152.00		\$ -					
Luis Soto Maya		Engineer 3/Technologist 3	4		4	0	0	4	\$ 144.00	\$ 146.00	\$ 148.00	\$ 150.00	\$ 152.00		\$ 592					
Rich Morrison		Engineer 3/Technologist 3	4		4	0	0	4	\$ 144.00	\$ 146.00	\$ 148.00	\$ 150.00	\$ 152.00		\$ 592					
Abel Valiente		Engineer 4/Technologist 4	4		4	0	0	4	\$ 169.00	\$ 171.00	\$ 173.00	\$ 176.00	\$ 179.00		\$ 692					
Beth Trautwein		Engineer 4/Technologist 4	3		3	0	0	3	\$ 169.00	\$ 171.00	\$ 173.00	\$ 176.00	\$ 179.00		\$ 519					
Ted Price		Engineer 4/Technologist 4	1		1	0	0	1	\$ 169.00	\$ 171.00	\$ 173.00	\$ 176.00	\$ 179.00		\$ 173					
Tim Dodge		Engineer 4/Technologist 4	12		12	0	0	12	\$ 169.00	\$ 171.00	\$ 173.00	\$ 176.00	\$ 179.00		\$ 2,076					
Clement Anson		Engineer 5/Technologist 5	1		1	0	0	1	\$ 196.00	\$ 199.00	\$ 202.00	\$ 205.00	\$ 208.00		\$ 202					
Marc Goslow		Engineer 5/Technologist 5	12		12	0	0	12	\$ 196.00	\$ 199.00	\$ 202.00	\$ 205.00	\$ 208.00		\$ 2,424					
Tim Ptak		Engineer 5/Technologist 5	12		12	0	0	12	\$ 196.00	\$ 199.00	\$ 202.00	\$ 205.00	\$ 208.00		\$ 2,424					
Jacobs Expenses															\$ -					
JSEB Sub Expenses Allowance														\$ -	\$ -					
Technician		Design Technician 3	54		54	0	0	54	\$ 117.00	\$ 119.00	\$ 121.00	\$ 123.00	\$ 125.00	\$ 6,534	\$ 6,534					
Engineer		Engineer 2/Technologist 2	62		62	0	0	62	\$ 123.00	\$ 125.00	\$ 127.00	\$ 129.00	\$ 131.00	\$ 7,874	\$ 7,874					
Brian Quarles		Engineer 3/Technologist 3	13		13	0	0	13	\$ 144.00	\$ 146.00	\$ 148.00	\$ 150.00	\$ 152.00	\$ 1,924	\$ 1,924					
Richard Taylor		Engineer 6/Technologist 6	32		32	0	0	32	\$ 215.00	\$ 218.00	\$ 221.00	\$ 224.00	\$ 227.00	\$ 7,072	\$ 7,072					
Mark Steichen		Engineer 7/Technologist 7	29		29	0	0	29	\$ 237.00	\$ 241.00	\$ 244.00	\$ 248.00	\$ 252.00	\$ 7,076	\$ 7,076					
Black & Veatch Expenses														\$ -	\$ -					
					339	0	0	339						\$ 30,480	\$ 52,698					
Task 2 Design Changes after 100% Design			Task 2		Task 2	nges after 1	0	Design Changes after 100% Design												
1. Option 1 Switch Gear Building Modifications					1. Option 1 Switch Gear Building Modifications															
Jeff Thornton		Design Technician 2			0	0	0	0	\$ 78.00	\$ 79.00	\$ 80.00	\$ 81.00	\$ 82.00		\$ -					
Christel Childress		Design Technician 3	24		0	24	0	24	\$ 117.00	\$ 119.00	\$ 121.00	\$ 123.00	\$ 125.00		\$ 2,952					
Patrick Denning		Design Technician 3			0	0	0	0	\$ 117.00	\$ 119.00	\$ 121.00	\$ 123.00	\$ 125.00		\$ -					
Tim Loose		Design Technician 4	40		0	40	0	40	\$ 159.00	\$ 161.00	\$ 163.00	\$ 165.00	\$ 167.00		\$ 6,600					
Yvette Fitzgerald		Design Technician 4			0	0	0	0	\$ 159.00	\$ 161.00	\$ 163.00	\$ 165.00	\$ 167.00		\$ -					
Ben Dykes		Engineer 1/Technologist 1			0	0	0	0	\$ 107.00	\$ 109.00	\$ 111.00	\$ 113.00	\$ 115.00		\$ -					
Erika Smith		Engineer 3/Technologist 3			0	0	0	0	\$ 144.00	\$ 146.00	\$ 148.00	\$ 150.00	\$ 152.00		\$ -					
Jaynelle Pemberton		Engineer 3/Technologist 3	8		0	8	0	8	\$ 144.00	\$ 146.00	\$ 148.00	\$ 150.00	\$ 152.00		\$ 1,200					
Luis Soto Maya		Engineer 3/Technologist 3			0	0	0	0	\$ 144.00	\$ 146.00	\$ 148.00	\$ 150.00	\$ 152.00		\$ -					
Rich Morrison		Engineer 3/Technologist 3	8		0	8	0	8	\$ 144.00	\$ 146.00	\$ 148.00	\$ 150.00	\$ 152.00		\$ 1,200					
Abel Valiente		Engineer 4/Technologist 4	40		0	40	0	40	\$ 169.00	\$ 171.00	\$ 173.00	\$ 176.00	\$ 179.00		\$ 7,040					
Beth Trautwein		Engineer 4/Technologist 4			0	0	0	0	\$ 169.00	\$ 171.00	\$ 173.00	\$ 176.00	\$ 179.00		\$ -					
Ted Price		Engineer 4/Technologist 4			0	0	0	0	\$ 169.00	\$ 171.00	\$ 173.00	\$ 176.00	\$ 179.00		\$ -					
Tim Dodge		Engineer 4/Technologist 4	40		0	40	0	40	\$ 169.00	\$ 171.00	\$ 173.00	\$ 176.00	\$ 179.00		\$ 7,040					
Clement Anson		Engineer 5/Technologist 5	32		0	32	0	32	\$ 196.00	\$ 199.00	\$ 202.00	\$ 205.00	\$ 208.00		\$ 6,560					
Marc Goslow		Engineer 5/Technologist 5	68		0	68	0	68	\$ 196.00	\$ 199.00	\$ 202.00	\$ 205.00	\$ 208.00		\$ 13,940					
Tim Ptak		Engineer 5/Technologist 5	120		0	120	0	120	\$ 196.00	\$ 199.00	\$ 202.00	\$ 205.00	\$ 208.00		\$ 24,600					
Jacobs Expenses		1													\$ 1,000					
JSEB Sub Expenses Allowance			8											\$ -	\$ -					
Technician		Design Technician 3			0	8	0	8	\$ 117.00	\$ 119.00	\$ 121.00	\$ 123.00	\$ 125.00	\$ 984	\$ 984					
Engineer		Engineer 2/Technologist 2			0	0	0	0	\$ 123.00	\$ 125.00	\$ 127.00	\$ 129.00	\$ 131.00	\$ -	\$ -					
Brian Quarles		Engineer 3/Technologist 3			0	0	0	0	\$ 144.00	\$ 146.00	\$ 148.00	\$ 150.00	\$ 152.00	\$ -	\$ -					
Richard Taylor		Engineer 6/Technologist 6	32		0	32	0	32	\$ 215.00	\$ 218.00	\$ 221.00	\$ 224.00	\$ 227.00	\$ 7,168	\$ 7,168					
Mark Steichen		Engineer 7/Technologist 7			0	0	0	0	\$ 237.00	\$ 241.00	\$ 244.00	\$ 248.00	\$ 252.00	\$ -	\$ -					
Black & Veatch Expenses														\$ -	\$ -					
					0	420	0	420						\$ 8,152	\$ 80,284					
Task 3 Additional Services During Construction					Additional Services During Construction															
Patrick Denning		Design Technician 3	24	16	0	24	16	40	\$ 117.00	\$ 119.00	\$ 121.00	\$ 123.00	\$ 125.00		\$ 4,952					
Jaynelle Pemberton		Engineer 3/Technologist 3	36	78	0	36	78	114	\$ 144.00	\$ 146.00	\$ 148.00	\$ 150.00	\$ 152.00		\$ 17,256					
Tim Loose		Design Technician 4	16	40	0	16	40	56	\$ 159.00	\$ 161.00	\$ 163.00	\$ 165.00	\$ 167.00		\$ 9,320					
Christel Childress		Design Technician 3	16	180	0	16	180	196	\$ 117.00	\$ 119.00	\$ 121.00	\$ 123.00	\$ 125.00		\$ 24,468					
Marc Goslow		Engineer 5/Technologist 5	60	40	0	60	40	100	\$ 196.00	\$ 199.00	\$ 202.00	\$ 205.00	\$ 208.00		\$ 20,620					
Tim Dodge		Engineer 4/Technologist 4	32	24	0	32	24	56	\$ 169.00	\$ 171.00	\$ 173.00	\$ 176.00	\$ 179.00		\$					