

Welcome to the JEA Awards Meeting

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

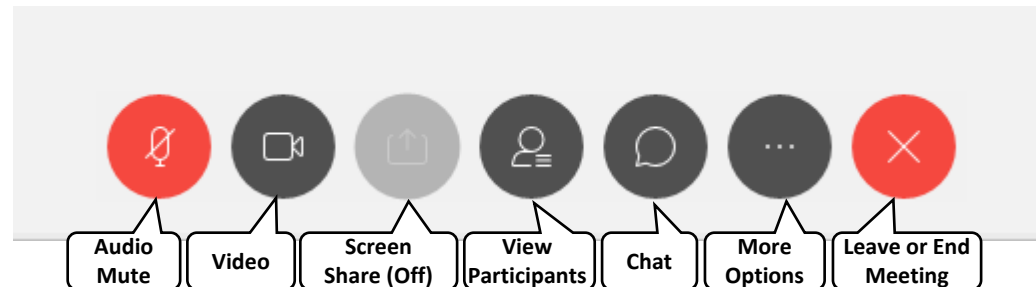
We will unmute your lines during the public comment time and provide opportunity for you to speak.

During the meeting, interested persons can also email **Victoria Holloway** at **hollvl@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 **Victoria Holloway** by telephone at **(904) 651-7171** or by email at **hollvl@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 14, 2022

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): 2309 526 2709
WebEx Password: cQMmJPHA823

Public Comments:

Awards:

1. Approval of the minutes from the last meeting (06/30/2022).
2. Request approval to award a contract to T. B. Landmark Construction, Inc. for construction services for the Harbour Island Dr. Water and Force Main Replacement project in the amount of \$833,397.10, subject to the availability of lawfully appropriated funds.
3. Request approval to award a contract to EyeMed Vision Care LLC underwritten by Fidelity Security Life Insurance Co. for Vision Coverage for Active Employees and Retirees of JEA in the amount of \$838,838.40, subject to the availability of lawfully appropriated funds.
4. Request approval to award a one (1) year contract renewal to Gallaher Benefits Services, Inc. for the Employee Benefits Consultant Services in the amount of \$128,999.92, for a new not-to-exceed amount of \$776,999.52, subject to the availability of lawfully appropriated funds.
5. 1410576846 - Request approval to award a contract to Construction and Engineering Services Consultants Inc. for 7703 Blanding Boulevard Driveway Entrance Design Services in the amount of \$121,763.04, subject to lawfully appropriated funds.
6. 1410637646– Request approval to award a contract to Utelligent LLC for Consulting Services for Enterprise IT User Experience in the amount of \$552,614.00, subject to the availability of lawfully appropriated funds.
7. 1410643846– Request approval to award a contract to R&M Service Solutions, LLC. for Removal-Replacement and Inspection of JEA Owned Sewer Air Release Valves in the amount of \$2,487,500.00, subject to the availability of lawfully appropriated funds.
8. 1410728846 - Request approval to award a contract to WA Chester LLC for construction services for Circuits 684s Trifurcating Splice Installation at University Transition Station project in the amount of \$1,329,952.16, subject to the availability of lawfully appropriated funds.
9. **DEFERRED** - Request approval to award a contract increase to England-Thims & Miller Inc. for CEI services for the Beverly Hills East Septic Tank Phase-Out project in the amount of \$1,174,719.80, for a new not-to-exceed amount of \$2,892,813.13, subject to the availability of lawfully appropriated funds.
10. **DEFERRED** - 1410618446– Request approval to award a contract to J.B Coxwell Contracting, Inc. for construction services for the Beverly Hills East Septic Tank Phase-Out project in the amount of \$16,803,657.00, subject to the availability of lawfully appropriated funds.

11. 1410644246 – Request approval to award a contract to Sawcross, Inc. for Construction Services for District II - Harts Road Wastewater Lift Station in the amount of \$4,195,450.00, subject to the availability of lawfully appropriated funds.
12. Request approval to award a contract extension for a five (5) year renewal term to Power Costs Inc, for GenTrader software in the amount of \$561,105.00, for software, maintenance, updates, hosting and support for a new not-to-exceed amount of \$2,018,755.58, subject to the availability of lawfully appropriated funds.
13. Request approval to award a contract increase to Mott Macdonald Florida, LLC for additional services during construction for the Nocatee South Reclaimed Water (RW) Storage Tank and Booster Pump Station project in the amount of \$61,792.00, for a new not-to-exceed amount of \$1,249,288.50, subject to the availability of lawfully appropriated funds.
14. Request approval to award a change order to Petticoat-Schmitt Civil Contractors, Inc. for construction services for the District II- Robena Rd. Booster Pump Station project in the amount of \$381,647.00, for a new, not-to-exceed amount of \$3,920,747.00, subject to the availability of lawfully appropriated funds.
15. 1410677646 – Request approval to award a contract to TG Utility Company, Inc. for construction services for SIPS-Southside Blvd Intertie to Deerwood III WTP - SIPS Water Main & Raw Water Main - Segment 2 project in the amount of \$9,507,717.00, 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.

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	<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 06/30/2022 meeting.
2	INVITATION FOR BID (IFB) 2 BIDDERS	VU	\$600,000.00	\$833,394.10	TB LANDMARK CONSTRUCTION, INC.	Project Completion Est November 2022)	<p><u>Harbour Island Dr. Water and Force Main Replacement</u></p> <p>This scope of the project is to replace approximately 380' of 8" water main and 4" force main beneath a wooden pedestrian walkway using Horizontal Directional Drilling (HDD).</p> <p>The award amount of \$833,397.10 approximately 39% higher than the budget estimate. A review of the bid workbook finds higher than anticipated unit prices of an additional \$260,000.00 over the estimate for pipe materials, ductile iron fittings, and pavement restoration. These items that have experienced significant material cost escalations over the previous two years. A higher cost per linear foot of pipe is consistent with pricing received in recent bid results for the Galvanized Pipe Replacement Program and Bessie Circle Water Main Installation. JEA Delivery & Collection believes the two bids received for the Harbour Island Dr. reflect current market conditions and recommends proceeding with the lowest responsive and responsible Bidder.</p>
3	REQUEST FOR PROPOSAL (RFP) 6 PROPOSERS	EMANUEL	N/A	\$838,838.40	EYEMED VISION CARE LLC, UNDERWRITTEN BY FIDELITY SECURITY LIFE INSURANCE CO	Five (5) Years	<p><u>Vision Coverage for Active Employees and Retirees</u></p> <p>The purpose of this Request for Proposals (this "RFP") is to evaluate and select one Vision Insurance Company ("Company" or "Proposer") to offer fully insured vision coverage, network access, and services to the employees of JEA.</p> <p>When comparing the current monthly pricing of \$15,698.00 with the proposed pricing for Eye Med Vision Care LLC of \$13,981.00, JEA employees will receive an approximate savings of eleven percent (11%) or \$103,055.00 for the five (5) year term. Pricing is fixed for the term of the contract.</p>
4	RENEWAL	EMANUEL	\$150,000.00	\$128,999.92	GALLAGHER BENEFIT SERVICES INC.	Five (5) years with w/One (1) – 1 Yr. Renewal	<p><u>Employee Benefits Consultant Services</u></p> <p>This request is for a renewal of the Employee Benefits Consulting Services contract for JEA's employee benefit program. The awardee shall provide scheduled and ad-hoc services including but not limited to</p>

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							<p>periodic reviews of benefits programs and insurance claims, compliance services, and open enrollment services.</p> <p>This request is for the one-year renewal option from 08/01/2022 to 07/31/2023. Gallaher Benefits Services, Inc. has provided excellent service and has agreed to renew the contract at the same rates. The award amount is based on the monthly fee of \$10,416.66 for the consulting services and a one-time fee in the amount of \$4,000.00 for the Medicare Retiree Drug Subsidy.</p> <p>A new not-to-exceed amount of \$776,999.52.</p>
5	REQUEST FOR PROPOSAL (RFP) 3 PROPOSERS	MCELROY	\$125,000.00	\$121,763.04	CONSTRUCTION AND ENGINEERING SERVICES CONSULTANTS INC.	Project Completion (Expected by November of 2022 for design)	<p><u>7703 Blanding Boulevard Driveway Entrance Design Services</u></p> <p>JEA is soliciting proposals for design improvements to the Blanding Boulevard Pump Station existing driveway from Blanding Boulevard to the JEA pump station located at 7703 Blanding Boulevard. The existing stabilized driveway is in poor condition and is difficult to traverse without four-wheel drive vehicles. The driveway is approximately 20 feet wide and extends approximately 1,100 linear feet. Reconstruction of the existing driveway will include an improved connection to Blanding Boulevard with associated improvements to abutting driveways. Drainage considerations with associated permitting services are outlined herein.</p> <p>The proposed engineering design and services came in approximately three percent (3%) lower than the estimated budget in the amount of \$3,236.96. The rates were deemed reasonable by the business unit for the work that needs to be completed.</p>
6	INVITATION TO NEGOTIATE (ITN) 9 RESPONSES	KROL	\$600,000.00	\$552,614.00	UTILLIGENT LLC	Project Completion (Estimated Dec. 2022)	<p><u>Consulting Services for Enterprise IT User Experience</u></p> <p>The purpose of this solicitation (this "Solicitation") is to evaluate and select a vendor to provide consulting services to review and assess the current use of technology within JEA business processes across the enterprise; evaluate and benchmark this technology environment against similar entities to ensure that JEA is cost effective, efficient, and focused on the right priorities that are aligned to JEA business objectives (the "Work" or "Services") as described in this Solicitation (the "Work").</p> <p>This request is for a one-time consulting engagement with Utilligent LLC for \$552,614.00. JEA is seeking a consulting firm to assist with the development and implementation of a comprehensive process review and improvement plan that will:</p> <ul style="list-style-type: none"> Review the current JEA technology system landscape;

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							<ul style="list-style-type: none"> Evaluate the fit and functionality of the technology and related processes in support of JEA business objectives; Provide recommendations on IT Governance, process, technology and talent development to prepare JEA for an optimal future state; Benchmark against other municipal utility entities comparable to JEA (where appropriate); Develop a report with improvement recommendations for JEA of the findings. <p>The plan should focus on identifying opportunities and priorities for JEA's core technology platforms with recommendations optimized for user experience, efficiency and productivity, cost and supportability, effective governance, and architectural fit within the JEA enterprise to enable a future state optimized around best practice.</p>
7	INVITATION FOR BID (IFB) 2 BIDDERS	VU	\$1,100,000.00	\$2,487,500.00	R&M SERVICE SOLUTIONS, LLC	Five (5) Years w/Two (2) - One (1) Yr. Renewals	<p><u>Removal-Replacement and Inspection of JEA Owned Sewer Air Release Valves</u></p> <p>The intent of this contract is for the Contractor to perform the physical removal and replacement of JEA owned air release valves (ARV), delivery of removed ARVs to the JEA ARV shop, and inspection of associated appurtenances within assigned ARV Inspection routes within the JEA service territory.</p> <p>JEA has approximately 2,050 sewer ARVs installed on sewer force mains throughout the JEA wastewater collection system. Most ARVs are exposed to varying levels of sulfuric acid as a result of the chemical reaction that occurs when hydrogen sulfide gas (air released from ARVs) mixes with water (ground water, condensation from damp air within manhole/vault). The effects of this exposure requires many of the ARVs to be rebuilt or replaced regularly. In order to service all sewer ARVs annually, JEA is seeking contractor services to perform the field work to remove existing ARVs and replace with new or refurbished ARVs provided by JEA. The existing ARVs will be returned to the JEA ARV maintenance facility to remove and replace defective items of the ARV, replace corroded parts, rebuild, and test to ensure the ARV meets the operating standards as written in JEA W/WW Standards and Specifications.</p> <p>A successful pilot ARV Removal and Replacement contract which was awarded to R&M Service Solutions was completed in FY21. Through the contract, 1735 sewer air release valves (ARVs) were removed, rebuilt, tested and replaced back into the collection system. An additional 200 ARVs were flagged by the contractor which required work beyond the scope of the contract and was addressed by JEA staff. The pilot contract</p>

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11	INVITATION FOR BID (IFB) 3 BIDDERS	VU	\$2,524,464.00	\$4,195,450.00	SAWCROSS, INC.	Project Completion (Estimated: October 2023)	<p><u>Construction Services for District II - Harts Road Wastewater Lift Station</u></p> <p>The purpose of this Solicitation is to procure a Contractor to upgrade the lift station located at 11305 Harts Road. This work will involve replacement of the following: the motor control center, transfer switch, programmable logic controller, Human-Machine Interface, controls, and communication equipment. This work will also involve installation of a new precast electric building to meet storm resiliency requirements, replacement of three sewer pumps, replacement of piping and valves, replacement of ventilation system, and replacement of lighting.</p> <p>The lift station located at 11305 Harts Road was constructed in 1979 and much of the equipment and facility is either in need of rehabilitation or is reaching the end of its useful life and requires replacement. This rehabilitation also includes life safety and storm resiliency improvements. Harts Road is being slightly downsized in conjunction with the Robena Road Booster Pump Station and Key Haven Pump Station realignment projects.</p> <p>After Bid opening, a formula error was identified in the Bid Workbook cell referencing General Conditions. Procurement deemed this a minor irregularity and allowed all bidders to submit a revised Bid Workbook and Bid Form with the correct General Conditions amount. This correction still resulted in Sawcross as the lowest responsive and responsible Bidder.</p> <p>The award amount of \$4,195,450.00 is approximately 66% higher than the budget estimate. The project team has reviewed this project and has deemed this bid reasonable based on current market conditions. The variance can primarily be attributed to cost of materials, supplies and shipping. Changes from the pre-bid budget estimate included the change in process piping from ductile iron to Schedule 40 Stainless Steel; incorporation of the new 2022 JEA Bypass Pumping Requirements; and raising the Electric Room finish floor elevation and surround ground and pavement by 1foot to meet COJ resiliency requirements.</p>
12	RENEWAL	ERIXTON	N/A	\$561,105.00	POWER COSTS INC.	5 Years	<p><u>Power Costs INC (PCI) Short & Long term Costing Software</u></p> <p>This request is to execute a five year renewal period using the existing contract for continued use of the PCI Gen Trader optimization software package which includes maintenance, updates, hosting and annual fees, to schedule generating resources and its corresponding fuel portfolio. PCI Gen Trader is an analytical software package that is used to model JEA's generating and available purchase power resources. The software</p>

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						<p>enforces operational and environmental constraints and optimizes JEA production costs to minimize costs and supports off system sales to other utilities. It is estimated the use of this software package saves JEA 3% of its annual production costs.</p> <p>Pursuant to 3-112 Single Source of the JEA Procurement Code section (b) the Supplies or Services must be a certain type, brand, make or manufacturer due to the criticality of the item or compatibility within a JEA utility system, and such Supplies or Services may not be obtained from multiple sources such as distributors, making PCI Inc. the Single Source for this product.</p> <p>Executing this five (5) year renewal is in JEA's best interest as JEA is receiving fixed pricing for the term vs an annual increase of CPI plus three percent (3%) every year. We will also get access to the ancillary services (supports modelling, solar, wind, etc.) which will be integrated into the PCI Gen Trader services platform free of charge as part of the negotiations.</p> <p>This request provides continued maintenance, updates, hosting and support services. As a part of this contract PCI will add extended ancillary services feature to support the integration of solar resources with the JEA fleet. This will increase JEA's maximum indebtedness by \$561,105.00. This is an annual cost of \$112,221.00. This cost increase (approximately 3%) is deemed reasonable in exchange for the fixed annual five (5) year term price.</p>
13	CONTRACT INCREASE	VU	\$65,000.00	\$61,792.00	MOTT MACDONALD FLORIDA, LLC	<p>Project Completion (Expected: October 2022)</p> <p><u>Nocatee South Reclaimed Water (RW) Storage Tank and Booster Pump Station</u></p> <p>To procure engineering services to hydraulically model, design, and provide services during construction for a new booster pump station including tank and pump building, 1,400 LF of dual sixteen inch (16") reuse main, and an additional pump building on a separate site for the Nocatee Reuse System.</p> <p>Originally approved by Awards Committee on 06/07/2018 in the amount of \$1,115,981.00 to Mott Macdonald Florida, LLC.</p> <p>This award request is for a change order to the contract of Mott Macdonald Florida, LLC for the Nocatee South Reclaimed Water (RW) Storage Tank and Booster Pump Station project. This increase request is being brought before the Awards Committee because it will exceed the ten percent administrative increases allowed in the purchasing code. Construction for this project has been delayed due to material delivery</p>

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							<p>issues, communication tower permitting issue from St. Johns County and delays from Florida Power and Light (FPL) supplying power to the site due to transformer supply issues. These delays have resulted in additional services during construction required by the engineer. This contract increase will add the necessary funds to the contract with the engineer to continue progress meetings and construction oversight during the extended construction timeline. JEA used the original negotiated hourly rates to develop the award amount for this additional work. The contract increase quote is attached for reference.</p> <p>A new not-to-exceed amount of \$1,249,288.50.</p>
14	CHANGE ORDER	VU	N/A	\$381,647.00	PETTICOAT SCHMITT CIVIL CONTRACTORS INC.	Project Completion (Expected: July 2023)	<p><u>District II - Robena Rd. Booster Pump Station</u></p> <p>The scope of work for this project includes furnishing all material, equipment and labor to construct a new booster pump station and associated pipes, pumps, tanks, storm retention pond and site work on Robena Rd.</p> <p>This request is for the purposes of changing the stainless steel pipe schedule from 10 to 40 in accordance with JEA Standards, providing Dezurik rubber flapper check valves, and provide 225 calendar days for procurement of the revised materials.</p> <p>A new not-to-exceed amount of \$3,920,747.00.</p>
15	INVITATION FOR BID (IFB) 5 BIDDERS	VU	\$12,540,000.00	\$9,507,717.00	TG UTILITY COMPANY, INC.	Project Completion (Expected: May 2024)	<p><u>Construction Services for the SIPS-Southside Blvd Intertie to Deerwood III WTP - SIPS Water Main & Raw Water Main - Segment 2</u></p> <p>Construction of the SIPS-Southside Blvd. Intertie to Deerwood III Water Treatment Plant (WTP), SIPS Water Main and Raw Water Main - Segment 2 Project.</p> <p>This project will improve the reliability and consistency of water pressures within the South Grid by providing a dedicated water feed to the Deerwood III WTP.</p> <p>The award amount of \$9,507,717.00 is approximately 24.2% lower than the budget estimate. When the estimate was created a water main from Validus Drive to Burnt Mill Rd was included. This water main was removed from the scope of this segment of work and included in a separate construction bid package. The estimate was not updated to reflect this change. The W/WW project staff have reviewed the bid price deemed it reasonable when compared to similar projects.</p>

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Total Award				\$21,000,772.62			
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JEA AWARDS COMMITTEE JUNE 30, 2022 MEETING MINUTES

The JEA procurement Awards Committee met on June 30, 2022, in person with a WebEx option.

WebEx Meeting Number (access code): 2309 526 2709

WebEx Password: cQMmJPHA823

Members in attendance were Jenny McCollum as Chief Procurement Officer, Hai Vu as Vice Chairperson (onsite), Laure Whitmer as Budget Representative, Rebecca Lavie as Office of General Counsel Representative; Todd Skinner for Ricky Erixton, Joe Orfano (onsite), and Laura Schepis (onsite). Unless otherwise indicated, all attendees were via WebEx.

Vice Chair Vu called the meeting to order at 10:01 a.m., introduced the Awards Committee Members, and confirmed that there was an in-person quorum of the Committee membership present.

Public Comments:

Vice Chair Vu 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 (06/23/2022). Vice Chair Vu verbally presented the Committee Members the proposed June 23, 2022 minutes as presented with clarification.

MOTION: Laura Schepis made a motion to approve the June 23, 2022 minutes (Award Item 1). The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (4-0).

The Committee Members reviewed and discussed the following Awards Items 2 – 11:

2. 1410616646 – Request approval to award a contract to Petticoat Schmitt Civil Constructors, Inc. Construction Services for Monterey - Townsend Pump Station Project in the amount of \$4,169,000.00, subject to the availability of lawfully appropriated funds.

MOTION: Joe Orfano made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Laura Schepis and approved unanimously by the Awards Committee (4-0).

3. 1410678046 - Request approval to rescind this solicitation, and reject all Responses received in anticipation of rebidding.

MOTION: Todd Skinner made a motion to approve Award Item 3 as presented in the committee packet. The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (4-0).

4. Request approval to award a one (1) year contract renewal to MTM Recognition Corporation for the Rewards and Recognition Program in the amount of \$171,791.64, for a new not-to-exceed amount of \$806,927.64, subject to the availability of lawfully appropriated funds.

MOTION: Laura Schepis made a motion to approve Award Item 4 as presented in the committee packet. The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (4-0).

5. Request approval to award a contract increase to Marietta Sand for Marietta Sand services in the amount of \$359,700.00 for a new not-to-exceed amount of \$1,154,937.00, subject to the availability of lawfully appropriated funds

MOTION: Joe Orfano made a motion to approve Award Item 5 as presented in the committee packet. The motion was seconded by Todd Skinner and approved unanimously by the Awards Committee (4-0).

6. 1410621046– Request approval to award a contracts to Petticoat-Schmitt Civil Contractors, Inc. (\$7,000,000.00), J.B. Coxwell Contracting, Inc. (\$7,000,000.00), and T.G. Utility Company, Inc. (\$7,000,000.00) for continuing construction services for the Galvanized Pipe Program in the amount of \$21,000,000.00, subject to the availability of lawfully appropriated funds.

MOTION: Todd Skinner made a motion to approve Award Item 6 as presented in the committee packet. The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (4-0).

7. Request approval to award a single source contract ABB, Inc. for Northside Generating Station Unit 34 MCC Upgrade in the amount of \$502,803.00, subject to the availability of lawfully appropriated funds.

MOTION: Laura Schepis made a motion to approve Award Item 7 as amended in the committee packet. The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (4-0).

8. 1410753646 – Request approval to award a contract to M Gay Constructors, Inc. for Purchase and Installation of Bartram Substation Tower Foundation at 4503 Race Track Rd, Jacksonville, FL 32259 in the amount of \$469,300.00, subject to the availability of lawfully appropriated funds.

MOTION: Laura Schepis made a motion to approve Award Item 8 as presented in the committee packet. The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (4-0).

9. Request approval to award an amendment for increase to the contract with Orlando Freightliner for the purchase of vehicles for JEA's FY23 heavy duty fleet capital requirements in the amount of \$419,697.00, for a total not-to-exceed amount for all contracts of \$3,046,472.17, subject to the availability of lawfully appropriated funds.

MOTION: Laura Schepis made a motion to approve Award Item 9 as presented in the committee packet. The motion was seconded by Todd Skinner and approved unanimously by the Awards Committee (4-0).

10. Request approval the contract renewal and increase to award contracts for the supply of Pole Line Hardware Material for JEA Inventory Stock in the amounts of \$3,800,070.07 to Stuart C Irby CO, \$946,951.00 to Gresco Supply, Inc., \$7,065,025.34 to Anixter and \$104,944.17 to Tri-state, for a total not-to-exceed amount of \$18,905,492.38, subject to the availability of lawfully appropriated funds.

MOTION: Laura Schepis made a motion to approve Award Item 10 as amended in the committee packet. The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (4-0).

11. Request approval to award a contract amendment with Garber Ford Inc. for the purchase of fifteen (15) Class 130 Vans for FY 23 in the amount of \$986,415.00, for a total not-to-exceed amount of \$3,601,881.00, subject to the availability of lawfully appropriated funds.

MOTION: Laura Schepis made a motion to approve Award Item 11 as presented in the committee packet. The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (4-0).

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:

Vice Chair Vu adjourned the meeting at 10:51 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/



Formal Bid and Award System

Award #2 July 14, 2022

Type of Award Request: BID (IFB)
Request #: 449
Requestor Name: Sencer, Justin B. - Mgr WWW Reuse Delivery & Collection Eng
Requestor Phone: (904) 665-6826
Project Title: Harbour Island Dr. Water and Force Main Replacement
Project Number: 8004968 (Wastewater), 8004967 (Water)
Project Location: JEA
Funds: Capital
Budget Estimate: \$600,000.00

Scope of Work:

This scope of the project is to replace approximately 380' of 8" water main and 4" force main beneath a wooden pedestrian walkway using Horizontal Directional Drilling (HDD). The existing water and wastewater force main pipes are attached to the existing wooden walkway and the walkway is degraded putting the JEA pipes at risk to an outage or sanitary sewer overflow (SSO).

JEA IFB/RFP/State/City/GSA#: 1410698646
Purchasing Agent: King, David
Is this a Ratification?: No

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
TB LANDMARK CONSTRUCTION, INC.	Martin Adams	estimating@tblandmark.com	11220 New Berlin Rd. Jacksonville, FL 32226	(904) 751-1016	\$833,394.10

Amount for entire term of Contract/PO: \$833,394.10
Award Amount for remainder of this FY: \$583,375.87
Length of Contract/PO Term: Project Completion
Begin Date: 07/31/2022
End Date: Project Completion (Estimated: November 2022)
JSEB Requirement: Three Percent (3%) Requirement
Comments on JSEB Requirements:
RZ Services Group (Materials) - 3%

BIDDERS:

Name	Amount
TB LANDMARK CONSTRUCTION, INC.	\$833,394.10
TG UTILITY COMPANY INC.	\$901,625.30
CGC, INC.	No Bid

Background/Recommendations:

Advertised on 05/05/2022. Three (3) prime contractors attended the initial mandatory pre-bid meeting held on 05/17/2022. At Bid opening on 06/14/2022, JEA received two (2) Bids and one (1) no bid. CGC, Inc. chose not to submit a bid project due to their current schedule and workload. T. B. Landmark Construction, Inc. is the lowest responsive and responsible Bidder. A copy of the Bid Form and Workbook are attached as backup.

The award amount of \$833,397.10 approximately 39% higher than the budget estimate. A review of the bid workbook finds higher than anticipated unit prices of an additional \$260,000.00 over the estimate for pipe materials, ductile iron fittings, and pavement restoration. These items that have experienced significant material cost escalations over the previous two years. A higher cost per linear foot of pipe is consistent with pricing received in recent bid results for the Galvanized Pipe Replacement Program and Bessie Circle Water Main Installation. JEA Delivery & Collection believes the two bids received for the Harbour Island Drive project reflect current market conditions and recommends proceeding with the lowest responsive and responsible Bidder.

The need for this water and sewer main replacement project was identified following a force main failure in 2017 that resulted in a sanitary sewer overflow (SSO) impacting waters of the State. The root cause investigation found that was the sixth failure of the ductile iron force main. Subsequent investigations found structural deterioration of the timber piles and galvanized pipe hangers that provide access to the community's only water main and force main. The project will replace and improve the reliability of the potable water and sewer force mains.

Request approval to award a contract to T. B. Landmark Construction, Inc. for construction services for the Harbour Island Dr. Water and Force Main Replacement project in the amount of \$833,397.10, subject to the availability of lawfully appropriated funds.

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

APPROVALS:

Chairman, Awards Committee**Date**

Budget Representative**Date**

Appendix B - Bid Forms
1410698646 Harbour Island Dr. Water and Force Main Replacement

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

Company Name: T B Landmark Construction, Inc.

Company's Address: 11220 New Berlin Road, Jacksonville, FL 32226

License Number: CGC060694/ CUC057226

Phone Number: (904) 751-1016 FAX No: (904) 751-4125 Email Address: estimating@tblelandmark.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 1410698646

TOTAL BID PRICE

Total Bid Price
(enter total from cell G78 in the Bid Workbook)

\$833,394.10

☒ 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

6/14/2022

Date

Martin Adams, General Manager
Printed Name and Title

1410698646 Appendix B - Bid Workbook
HARBOUR ISLAND DRIVE WATER MAIN AND FORCE MAIN REPLACEMENT
(Only complete the prices in yellow cells)

Company: **T B Landmark Construction, Inc.**

Unless otherwise noted, column 2 refers to paragraphs /sections found in the latest edition of the JEA's Water & Wastewater Standards Manual. This document can be found on www.jea.com.
*Refer to Appendix A - Technical Specifications.

Site Work

Item	JEA Water and Wastewater Standards Manual Section	Item Description	Unit of Measure	Est. Qty.	Unit Price	Extended Price
1	927	Temporary Fencing	LF	100	\$ 61.80	\$6,180.00
2	928	Permanent Fencing	LF	100	\$ 115.00	\$11,500.00
3	801.X	4' Fence Gate	EA	1	\$ 2,875.00	\$2,875.00
4	801.VII	Grassing (Sod)	SY	400	\$ 8.00	\$3,200.00
5	801.VIII.3	Asphalt Removal	SY	81	\$ 30.00	\$2,430.00
6	801.VIII.4	Paving Repair - Cross Cuts and Patches (Case X, Type 1)	SY	76	\$ 388.00	\$29,488.00
7	929	Concrete Paving Repair (Modified Case III)	SY	5	\$ 1,500.00	\$7,500.00
8	801.VIII.8	Mill and Overlay	SY	495	\$ 65.00	\$32,175.00
9	801.IX.3	Remove Curb and Gutter	LF	60	\$ 25.00	\$1,500.00
10	801.IX.6	Replace Curb and Gutter	LF	60	\$ 50.00	\$3,000.00

SUBTOTAL - Site Work \$99,848.00

Water

Item	JEA Water and Wastewater Standards Manual Section	Item Description	Unit of Measure	Est. Qty.	Unit Price	Extended Price
11	801.XXIII.1	10-inch DR-11 HDPE (HDD)	LF	850	\$ 170.00	\$144,500.00
12	801.XII.2	10-inch x 8-inch R.M.J. Reducer	EA	4	\$ 2,855.00	\$11,420.00
13	801.XXIII.2	10-inch HDPE Fusible Connector	EA	4	\$ 1,250.00	\$5,000.00
14	801.XII.1	8-inch PVC class 150, DR 18 Pipe	LF	117	\$ 335.00	\$39,195.00
15	801.XII.2	8-inch 45° Bend R.M.J.	EA	4	\$ 2,975.00	\$11,900.00
16	801.XII.2	8-inch 22.5° Bend R.M.J.	EA	3	\$ 2,975.00	\$8,925.00
17	801.XII.2	8-inch 11.25° Bend R.M.J.	EA	2	\$ 2,975.00	\$5,950.00
18	801.XII.2	8-inch 90° Bend R.M.J.	EA	2	\$ 2,975.00	\$5,950.00
19	801.XII.2	8-inch x 8-inch R.M.J. Tee	EA	2	\$ 3,300.00	\$6,600.00
20	801.XII.2	8-inch R.M.J. Plug	EA	7	\$ 1,290.00	\$9,030.00
21	801.XII.6	8-inch Bell Restraints	EA	10	\$ 425.00	\$4,250.00
22	801.XII.2	8-inch R.M.J. Sleeve	EA	1	\$ 5,000.00	\$5,000.00
23	801.XIII.3	8-inch Gate R.M.J. Valve	EA	5	\$ 3,850.00	\$19,250.00
24	801.XIII.4	8-inch Tapping Sleeve and Valve	EA	1	\$ 11,500.00	\$11,500.00
25	932	Connect to Existing 8-inch Water Main	EA	2	\$ 3,580.00	\$7,160.00
26	933	Removal of Existing 8-inch Pipe from Bridge	LF	350	\$ 110.00	\$38,500.00
27	801.III.2.3	Abandon 8-inch pipe by grout filling	LF	166	\$ 25.00	\$4,150.00
28	801.XII.14	1-inch Temporary Sample Tap (W-25)	EA	4	\$ 1,250.00	\$5,000.00
29	801.XII.10	Replace Water Services - Short Side	EA	1	\$ 3,500.00	\$3,500.00
30	801.XIII.9	Flushing Valve Below Grade (Plate W-28)	EA	1	\$ 5,500.00	\$5,500.00

SUBTOTAL - Water \$352,280.00

Wastewater

Item	JEA Water and Wastewater Standards Manual Section	Item Description	Unit of Measure	Est. Qty.	Unit Price	Extended Price
31	801.XXIII.1	6-inch DR-11 HDPE (HDD)	LF	311	\$ 155.00	\$48,205.00
32	801.XVI.3	6-inch x 4-inch R.M.J. Reducer	EA	2	\$ 2,075.00	\$4,150.00
33	801.XXIII.2	6-inch HDPE Fusible Connector	EA	2	\$ 1,250.00	\$2,500.00
34	801.XVI.1	4-inch PVC class 150, DR 18 Pipe	LF	175	\$ 150.00	\$26,250.00
35	801.XVI.3	4-inch 45° Bend R.M.J.	EA	4	\$ 1,848.00	\$7,392.00
36	801.XVI.3	4-inch 22.5° Bend R.M.J.	EA	3	\$ 1,825.00	\$5,475.00
37	801.XVI.3	4-inch 11.25° Bend R.M.J.	EA	2	\$ 1,540.00	\$3,080.00
38	801.XVI.3	4-inch R.M.J. Plug	EA	4	\$ 950.00	\$3,800.00
39	801.XVI.7	4-inch Bell Restraints	EA	11	\$ 353.00	\$3,883.00
40	801.XVI.3	4-inch R.M.J. Sleeve	EA	2	\$ 2,750.00	\$5,500.00
41	801.XVII.1	4-inch Gate R.M.J. Valve	EA	2	\$ 3,325.00	\$6,650.00
42	801.XVII.4	Air Release Valve Assembly	EA	1	\$ 20,043.00	\$20,043.00
43	932	Connect to Existing 4-inch Force Main	EA	1	\$ 8,400.00	\$8,400.00
44	801.XIV.4	Connect to Existing Manhole Per Detail S-18	EA	1	\$ 16,000.00	\$16,000.00
45	933	Removal of Existing 4-inch Pipe from Bridge	LF	350	\$ 110.00	\$38,500.00

46	801.III.2.3	Abandon 4-inch pipe by grout filling	LF	227	\$ 25.00	\$5,675.00
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SUBTOTAL - Wastewater \$205,503.00

Construction Subtotal						\$657,631.00
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801.XVI.2	Sewage Removal and Disposal Allowance					\$10,000.00
	Supplemental Work Authorization (SWA)					\$90,000.00
	Special Conditions (Maximum of 10% enter %)					10.00% \$75,763.10

Total Bid Price (Enter this amount on Page 1 of the Bid Form)						\$833,394.10
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JSEB Requirement Overview

Total Bid Price less General Conditions, SWAs and Allowances:	\$657,631.00
JSEB Requirement:	3.00%
JSEB Requirement (dollars):	\$19,728.93



Formal Bid and Award System

Award #3 July 14, 2022

Type of Award Request: PROPOSAL (RFP)
Request #: 446
Requestor Name: Becker, Carl R. - Manager Benefits Services
Requestor Phone: (904) 665-7850
Project Title: Vision Coverage for Active Employees and Retirees
Project Number: Insurance Pass-Through
Project Location: JEA
Funds: Insurance Pass-Through
Budget Estimate: N/A

Scope of Work:

The purpose of this Request for Proposals (this "RFP") is to evaluate and select one Vision Insurance Company ("Company" or "Proposer") to offer fully insured vision coverage, network access, and services to the employees of JEA.

JEA IFB/RFP/State/City/GSA#: 1410638046
Purchasing Agent: Selders, Elaine Lynn
Is this a ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Address	Phone	Amount
EYEMED VISION CARE LLC, UNDERWRITTEN BY FIDELITY SECURITY LIFE INSURANCE CO	4000 LUXOTTICA PLACE, MASON, OH 45040	(513) 765- 6000	\$838,838.40

Amount for entire term of Contract/PO: \$838,838.40
Award Amount for remainder of this FY: \$0.00
Length of Contract/PO Term: Five (5) Years
Begin Date (mm/dd/yyyy): 01/01/2023
End Date (mm/dd/yyyy): 12/31/2027
Renewal Options: No
JSEB Requirement: N/A - Optional

BIDDERS:

Name	Annual Amount	Rank	Score
EYEMED VISION CARE, LLC	\$167,767.68	1	88.0
METLIFE	\$163,297.92	2	80.0

HUMANA	\$174,472.32	3	79.0
STANDARD	\$164,962.56	4	71.0
AVESIS	\$173,760.00	5	65.0
VSP	\$333,505.92	6	52.0

Background/Recommendations:

Advertised on 04/08/2022. At Proposal opening on 04/29/2022, JEA received six (6) Proposals. JEA utilized the expertise of Gallagher Benefit Services to administer and evaluate this RFP in compliance with JEA purchasing requirements. EyeMed Vision Care, LLC has been deemed the highest evaluated Responsive and Responsible Proposer. Evaluation criteria included (but were not limited to) the provider networks, benefit offerings, and premium rate guarantees. The Proposed Pricing and Rate Exhibit, Evaluation Results, and a Cost Comparison are attached as back-up.

When comparing the current monthly pricing of \$15,698.00 with the proposed pricing for Eye Med Vision Care of \$13,981.00, JEA employees will receive an approximate savings of eleven percent (11%) or \$103,055.00 for the five (5) year term. Pricing is fixed for the term of the contract.

The award amount is based on current employee enrollment numbers and is broken down by each plan option in the table below.

Plan Options	Rate per Month	Number of Employees	Annual Total
Subscriber	\$3.74	832	\$37,340.16
Subscriber + 1	\$7.50	608	\$54,720.00
Subscriber + Family	\$12.04	524	\$75,707.52
Annual Award Amount			\$167,767.68

Request approval to award a contract to EyeMed Vision Care LLC underwritten by Fidelity Security Life Insurance Co. for Vision Coverage for Active Employees and Retirees of JEA in the amount of \$838,838.40, subject to the availability of lawfully appropriated funds.

Manager: Becker, Carl R. – Manager Benefits Services

Director: Maillis, Patricia L. – Dir Employee Services

Chief: Emanuel, L. David - Chief Human Resources Officer

APPROVALS:

Chairman, Awards Committee

Date

Budget Representative

Date

FORM 4 - PROPOSED PRICING AND RATE EXHIBIT

Plan – Option 1	Number of Employees	Quoted Rates	Total Monthly Premium	Total Annual Premium
Vision Plan				
Subscriber	835	\$3.74	\$3.74	\$44.88
Subscriber + One	608	\$7.50	\$7.50	\$90.00
Subscriber + Family	522	\$12.04	\$12.04	\$144.48
GRAND TOTAL				

Plan – Option 2- Eye360	Number of Employees	Quoted Rates	Total Monthly Premium	Total Annual Premium
Vision Plan				
Subscriber	835	\$3.95	\$3.95	\$47.40
Subscriber + One	608	\$7.92	\$7.92	\$95.04
Subscriber + Family	522	\$12.72	\$12.72	\$152.64
GRAND TOTAL				

The above rates are guaranteed for: 60 Months.

After expiration of initial rate guarantee there will be a maximum rate cap of _____%.

I confirm the rates, fees, costs and charges provided on this form have been accurately disclosed, are net of commissions and are guaranteed for the time period stated. I understand that any plan rates, fees, costs or additional charges not disclosed in this Form 4 are not the responsibility of JEA.

Failure to sign this form may result in the lowering of your score or disqualification of your proposal.



 Signature of Proposer representative

April 29, 2022

 Date

Voluntary Vision Insurance Plan RFP - 1410638046


Vendor Rankings	D. Fleming	S. Hiscocks	D. Scott	Σ Rank	Rank
Avesis	5	5	5	15	5
EyeMed	1	1	1	3	1
Humana	2	3	3	8	3
Metlife	3	2	2	7	2
Standard	4	4	4	12	4
VSP	6	6	6	18	6

D. Fleming	Quotation of Rates (20 Points)	Premium Rate Guarantees (15 Points)	Network (10 Points)	Vision Plan Design (15 Points)	Claims, Timing & Service (10 Points)	Competence & Representatives (10 Points)	Technology (10 Points)	Proximity (5 Points)	Financial Responsibility (5 Points)
Avesis	15	9.5	2.5	13	1	8	7.5	3	4
EyeMed	17	14	9.25	15	9	8	8.5	4	4
Humana	15	10	9.5	9	9	7	8.5	5	3
Metlife	20	14	6.25	7	1.5	6	6.5	4	5
Standard	19	12	7	8	3	5	5.5	4	4
VSP	5	6.5	5.75	4	5	7.5	5	4	3

S. Hiscocks	Quotation of Rates (20 Points)	Premium Rate Guarantees (15 Points)	Network (10 Points)	PPO/DHMO Design (15 Points)	Claims, Timing & Service (10 Points)	Competence & Representatives (10 Points)	Current Workload (5 Points)	Proximity (5 Points)	Financial Responsibility (10 Points)
Avesis	15	9.5	4	8	6	8	6.5	3	4
EyeMed	17	14	10	12	10	9	8	4	4
Humana	15	10	9	10	10	10	8	5	3
Metlife	20	14	7.5	13	8	8	7	4	5
Standard	19	12	7.5	7	5	7	7	4	4
VSP	5	6.5	6.5	7	8	8	9	4	3

D. Scott	Quotation of Rates (20 Points)	Premium Rate Guarantees (15 Points)	Network (10 Points)	PPO/DHMO Design (15 Points)	Claims, Timing & Service (10 Points)	Competence & Representatives (10 Points)	Current Workload (5 Points)	Proximity (5 Points)	Financial Responsibility (10 Points)
Avesis	15	9.5	2.5	10	5	10	9	3	4
EyeMed	17	14	9.75	12	8	10	9	4	4
Humana	15	10	9.75	11	8	10	9	5	3
Metlife	20	14	8	10.5	5	10	7.5	4	5
Standard	19	12	9.25	6.75	4	7	7.5	4	4
VSP	5	6.5	6.25	6.5	3	9	8.5	4	3

	Quotation of Rates (20 Points)	Premium Rate Guarantees (15 Points)	Network (10 Points)	PPO/DHMO Design (15 Points)	Claims, Timing & Service (10 Points)	Competence & Representatives (10 Points)	Current Workload (5 Points)	Proximity (5 Points)	Financial Responsibility (10 Points)
Overall Averages									
Avesis	15.00	9.50	3.00	10.33	4.00	8.67	7.67	3.00	4.00
EyeMed	17.00	14.00	9.67	13.00	9.00	9.00	8.50	4.00	4.00
Humana	15.00	10.00	9.42	10.00	9.00	9.00	8.50	5.00	3.00
Metlife	20.00	14.00	7.25	10.17	4.83	8.00	7.00	4.00	5.00
Standard	19.00	12.00	7.92	7.25	4.00	6.33	6.67	4.00	4.00
VSP	5.00	6.50	6.17	5.83	5.33	8.17	7.50	4.00	3.00



Insurance | Risk Management | Consulting

JEA

Vision Cost Comparison

Effective Date of Coverage: 1/1/2023

Carrier		EyeMed		Avesis		EyeMed		Humana	MetLife		Standard	VSP
Plan		Current		Proposed		Proposed		Proposed	Proposed		Proposed	Proposed
Rate Guarantee		Rates effective 1/1/18 through 12/31/21. As per contract 1 year optional renewal exercised.		3 Years 4th & 5th Year Rate Cap - not to exceed 10%		5 Years		3 Years 4th Year Rate Cap - not to exceed 4.9%	4 Years		3 Years	4 Years 5th Year Rate Cap not to exceed 5%
Plan Name		EyeMed Vision		Base Plan	Buy-Up Plan	Option 1	Option 2 - Eye360	Vision Plan	Vision Plan Current	Vision Plan Enhanced	Balanced Care Vision II Plan H	Advantage Plan
Number of Enrolled												
Rates	Employee Only	832	\$4.20	\$4.00	\$9.21	\$3.74	\$3.95	\$3.89	\$3.64	\$3.88	\$3.68	\$7.44
	Employee + 1	608	\$8.42	\$8.00	\$16.37	\$7.50	\$7.92	\$7.80	\$7.30	\$7.78	\$7.37	\$14.88
	Employee + 2 or more	524	\$13.52	\$12.00	\$24.47	\$12.04	\$12.72	\$12.52	\$11.72	\$12.52	\$11.84	\$23.96
	Total Enrollment	1,964										
Cost	Monthly Plan Cost	\$15,698		\$14,480	\$30,438	\$13,981	\$14,767	\$14,539	\$13,608	\$14,519	\$13,747	\$27,792
	Annual Plan Cost	\$188,378.88		\$173,760.00	\$365,256	\$167,767.68	\$177,204	\$174,472.32	\$163,297.92	\$174,227	\$164,962.56	\$333,505.92
	Annual \$ Difference	N/A		(\$14,619)	\$176,877	(\$20,611)	(\$11,174)	(\$13,907)	(\$25,081)	(\$14,152)	(\$23,416)	\$145,127
	Annual % Difference	N/A		-7.760%	93.89%	-10.94%	-5.93%	-7.38%	-13.31%	-7.51%	-12.43%	77.04%
Notes				One plan may be offered or both plans as a dual offering.		Current Plan Proposed as one plan only offered. Both plans may be offered with 3% rate increase.	Enhancement to current plan. Proposed as one plan only offered. Both plans may be offered with 3% rate increase.		Only one plan may be offered for the above reflected rates to be applicable.			\$10,000 Implementation Credit and \$10,000 Implementation Guarantee

This analysis is for illustrative purposes only, and is not a proposal for coverage or a guarantee of future expenses, claims costs, managed care savings, etc. There are many variables that can affect future health care costs including utilization patterns, catastrophic claims, changes in plan design, health care trend increases, etc. This analysis does not amend, extend, or alter the coverage provided by the actual insurance policies and contracts. See your policy or contact us for specific information or further details in this regard.



Formal Bid and Award System

Award #4 July 14, 2022

Type of Award Request: RENEWAL
Requestor Name: Maillis, Patricia L. - Director, Employee Services
Requestor Phone: (904) 665-4132
Project Title: Employee Benefits Consultant Services
Project Number: A0102
Project Location: JEA
Funds: O&M
Budget Estimate: \$150,000.00
Scope of Work:

This request is for a renewal of the Employee Benefits Consulting Services contract for JEA's employee benefit program. The awardee shall provide scheduled and ad-hoc services including but not limited to periodic reviews of benefits programs and insurance claims, compliance services, and open enrollment services.

JEA IFB/RFP/State/City/GSA#: 044-17
Purchasing Agent: Selders, Elaine Lynn
Is this a ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Amount
Gallagher Benefit Services Inc.	Ann Edenfield	Ann_Edenfield@ajg.com	10199 Southside Blvd., Suite 102, Jacksonville, FL 32256	\$128,999.92

Amount of Original Award: \$624,999.60
Date of Original Award: 07/20/2017
Renewal Amount: \$128,999.92

List of Previous Change Order/Amendments:

CPA #	Amount	Date
166924	\$8,000.00	05/18/2020
166924	\$15,000.00	06/01/2022

New Not-To-Exceed Amount: \$776,999.52
Length of Contract/PO Term: Five (5) years with w/One (1) – 1 Yr. Renewal
Begin Date (mm/dd/yyyy): 08/01/2017
End Date (mm/dd/yyyy): 07/31/2023
Renewal Options: None Remaining
JSEB Requirement: N/A - Optional

Background/Recommendations:

Competitively bid and awarded to Gallaher Benefits Services, Inc. on 07/20/2017. The original award is attached as backup. An administrative increase to add \$8,000.00 for Pharmacy Rebate Consulting was completed on 05/18/2020 and an additional increase to add \$15,000.00 for the Medicare Retiree Drug Subsidy was completed on 06/01/2022, for a new not-to-exceed amount of \$647,999.60.

This request is for the one-year renewal option from 08/01/2022 to 07/31/2023. Gallaher Benefits Services, Inc. has provided excellent service and has agreed to renew the contract at the same rates. The award amount is based on the monthly fee of \$10,416.66 for the consulting services and a one-time fee in the amount of \$4,000.00 for the Medicare Retiree Drug Subsidy.

Request approval to award a one (1) year contract renewal to Gallaher Benefits Services, Inc. for the Employee Benefits Consultant Services in the amount of \$128,999.92, for a new not-to-exceed amount of \$776,999.52, subject to the availability of lawfully appropriated funds.

Director:	Maillis, Patricia L. – Director, Employee Services
Chief:	Emanuel, L. David - Chief Human Resources Officer

APPROVALS:

Chairman, Awards Committee**Date**

Budget Representative**Date**



CPA 166924

JEA Awards Committee
7/20/17 11:47 AM 7.**Formal Bid and Award System**

Award #7 July 20, 2017

Type of Award Request: INVITATION TO NEGOTIATE (ITN)
Request #: 1817
Requestor Name: Maillis, Patricia
Requestor Phone: (904) 665-7985
Project Title: Employee Benefits Consultant Services
Project Number: A0102
Project Location: JEA
Funds: O&M
Award Estimate: \$725,000.00

Description of Request:

JEA is seeking a company to provide Employee Benefits Consulting Services for JEA's employee benefit program. The awardee shall provide scheduled and ad-hoc services including but not limited to periodic reviews of benefits programs and insurance claims, compliance services, and open enrollment services.

JEA IFB/RFP/State/City/GSA#: 044-17
Purchasing Agent: Dambrose, Nickolas Charles (Nick)
Is this a ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Address	Phone	Amount
Gallagher Benefit Services Inc.	Don Titcomb	Gallagher Benefit Services, Inc, Two Pierce Pl-14th Floor, Itasca IL 60143	(904) 520-4476	\$624,999.60

Amount for entire term of Contract/PO: \$624,999.60
Award Amount for remainder of this FY: \$20,547.93
Length of Contract/PO Term: Five (5) years with w/One (1) – 1 Yr. Renewal
Begin Date (mm/dd/yyyy): 08/01/2017
End Date (mm/dd/yyyy): 07/31/2022
Renewal Options: YES - One (1) – 1 Yr. Renewal
JSEB Requirement: N/A – Specialty services; no JSEB available

BIDDERS:

Name	Original Bid Amount	Original Points	Original Rank	BAFO Bid Amount	BAFO Points	BAFO Rank
Gallagher Benefit Services Inc.	\$724,999.80	83.45	3	\$624,999.60	109.0	1
Alliant Employee Benefits	\$557,520.00	86.00	1	\$557,520.00	108.3	2
The Bailey Group	\$600,000.00	83.93	2	\$499,999.80	107.5	3
Aon Hewitt	\$874,980.00	74.86	4	N/A	N/A	N/A
Gabriel Roeder Smith Co	\$990,000.00	61.72	5	N/A	N/A	N/A

Background/Recommendations:

Advertised 3/15/2017. Four (4) companies attended the optional pre-response meeting held on 3/28/2017. At Proposal opening on 4/11/2017, JEA received five (5) Proposals. Companies were evaluated on quotation of rates, professional staff experience, past performance and design approach and workplan. Three (3) companies, Gallagher, Alliant, and The Bailey Group, were invited to participate in presentations and were asked to submit Best and Final Offers (BAFO). The presentations and final offers were evaluated and Gallagher is the highest ranked firm. The BAFO Response Workbook and evaluation matrix is attached as backup. It should be noted that Gallagher had the highest overall average score in professional staff, past performance and design approach which supported in them ranking the highest overall, with the highest price.

When comparing Gallagher's proposed pricing of \$10,416.66 a month against their current contract pricing of \$12,083.33, there is a savings of fourteen percent (14%) or \$100,000.00 over the five (5) year contract term. The BAFO Response from Gallagher represents a \$100,000.00 improvement over their initial response however, they were not the lowest price overall. The rates are fixed for three (3) years with a CPI adjustment allowed in years four (4) and five (5).

044-17 - Request approval to award a contract to Gallaher Benefits Services, Inc. for Employee Benefits Consultants in the amount of \$624,999.60, subject to availability of lawfully appropriated funds.

Director:


Maillis, Patricia L. - Director, Employee Services

VP:

Hiers, Angelia R. - Chief Human Resources Officer

APPROVALS:

 7-26-17
 Chairman, Awards Committee Date

 7/20/17
 Manager, Capital Budget Planning Date

ITN# 044-17 - Employee Benefits Consulting Services - (BAFO)

First Round							Presentation Score	Combined Score and Rank	
Overall Average Vendor Scores	Appendix B - Quotation of Rates (50 Points) (BAFO)	Professional Staff Experience (10 points)	Past Performance / Company Experience (10 Points)	Design Approach / Workplan (27 Points)	Proximity (3 Points)	Total Score	Vendor Presentation Score - Consensus (30 Points)	Total Combined Score	Rank
AJ Gallaher	40.00	9.8	7.9	24.3	3	85.00	24.0	109.0	1
Alliant Employee Benefits	44.84	9.2	5.1	19.7	2	80.84	27.5	108.3	2
The Bailey Group	50.00	9.1	6.0	19.3	3	87.47	20.0	107.5	3

Marla Murnahan	Appendix B - Quotation of Rates (50 Points) (BAFO)	Professional Staff Experience (10 points)	Past Performance / Company Experience (10 Points)	Design Approach / Workplan (27 Points)	Proximity (3 Points)	Total
AJ Gallaher	40.00	9.4	6.6	21.0	3	80.00
Alliant Employee Benefits	44.84	7.6	3.4	21.0	2	78.84
The Bailey Group	50.00	8.6	8.0	24.0	3	93.60

Pat Maillis	Appendix B - Quotation of Rates (50 Points) (BAFO)	Professional Staff Experience (10 points)	Past Performance / Company Experience (10 Points)	Design Approach / Workplan (27 Points)	Proximity (3 Points)	Total
AJ Gallaher	40.00	10.0	10.0	26.0	3	89.00
Alliant Employee Benefits	44.84	10.0	6.0	19.0	2	81.84
The Bailey Group	50.00	8.8	4.0	17.0	3	82.80

Janice Nelson	Appendix B - Quotation of Rates (50 Points) (BAFO)	Professional Staff Experience (10 points)	Past Performance / Company Experience (10 Points)	Design Approach / Workplan (27 Points)	Proximity (3 Points)	Total
AJ Gallaher	40.00	10.0	7.0	26.0	3	86.00
Alliant Employee Benefits	44.84	10.0	6.0	19.0	2	81.84
The Bailey Group	50.00	10.0	6.0	17.0	3	86.00

Total Vendor Scores	Marla Murnahan	Pat Maillis	Janice Nelson
AJ Gallaher	80.00	89.00	86.00
Alliant Employee Benefits	78.84	81.84	81.84
The Bailey Group	93.60	82.80	86.00

Quotation Amounts	Total Price (Five Year Term) (BAFO)	Score (BAFO)
AJ Gallaher	\$ 624,999.60	40.00
Alliant Employee Benefits	\$ 557,520.00	44.84
The Bailey Group	\$ 499,999.80	50.00

APPENDIX B - RESPONSE FORM (BAFO)
044-17 Employee Benefits Consulting Services

The Respondent shall submit one (1) original Proposal, three (3) duplicates (hardcopies), and one (1) CD. If there is a discrepancy between the electronic copy and hard copy, the hard copy will prevail. JEA will not accept Proposals transmitted via email.

RESPONDENT INFORMATION:

RESPONDENT'S COMPANY NAME: Gallagher Benefit Services

BUSINESS ADDRESS: 10199 Southside Blvd. Suite 102

CITY, STATE, ZIP CODE: Jacksonville, Florida 32256

TELEPHONE: 904 520-4476

FAX: _____

EMAIL OF CONTACT: don_titcomb@ajg.com

WEBSITE: AJG.com

1.3.1.1. QUOTATION OF RATES

Maximum points for this criterion: 50 points

Respondent shall provide pricing for the Contract by completing the enclosed **Appendix B - Response Form (BAFO)**. The rates provided shall be all-inclusive and shall include all profit, taxes, benefits, travel, and all other overhead items.

Please note, the rates or lump sums quoted by Respondent on the Response Form must be firm prices, not estimates. ANY MODIFICATIONS, EXCEPTIONS, OR OBJECTIONS CONTAINED WITHIN THE RESPONSE FORM SHALL SUBJECT THE RESPONSE TO DISQUALIFICATION.

This Amount Should Be Transferred From Appendix B - Response Workbook (BAFO)		
Item No	Description	Total Price for Employee Benefits Consulting Services
1	Item 1 Employee Benefits Consulting Services Total Price	<Insert Item Number 1 "Total Price for Employee Benefits Consulting Services" from "Appendix B - Response Workbook (BAFO)" here> \$624,999.60

Respondent's Certification

By submitting this Response, the Respondent certifies (1) that it has read and reviewed all of the documents pertaining to this ITN and agrees to abide by the terms and conditions set forth therein, (2) that the person signing below is an authorized representative of the Respondent, (3) that the Respondent is legally authorized to do business and maintains an active status in the State of Florida. The Respondent certifies that its recent, current, and projected workload will not interfere with the Respondent's ability to work in a professional, diligent and timely manner, and (4) that their organization acts as an independent consultant. In addition to the affirmative statement, full disclosure must be provided of any ownership interests or affiliations with any insurance companies, third party administrative agencies or any direct services provider networks.

The Respondent certifies, under penalty of perjury, that it holds all licenses, permits, certifications, insurances, bonds, and other credentials required by law, contract or practice to perform the Work. The Respondent also certifies that, upon the prospect of any change in the status of applicable licenses, permits, certifications, insurances, bonds or other credentials, the Respondent shall immediately notify JEA of status change.


Signature of Authorize Officer of Respondent or Agent

Don Titcomb Area Senior Vice President
Printed Name & Title

Date: June 14, 2017

904 137-7799
Phone Number

#044-17 Employee Benefits Consultant Services
Appendix B - Response Workbook **(BAFO)**

QUOTATION OF RATES

Company shall provide a monthly rate for the Initial Term of the Contract (5 years) by completing the table below. These rates will be fixed throughout the term of the Contract. These rates shall include all profit, taxes, benefits, travel, and all other overhead items necessary to deliver the services described in Appendix A - Technical Specifications.

Item No	Monthly Rate		Number of Months		Number of Years		Total Price for Employee Benefits Consulting Services (This amount will be transferred to Page 1 of Appendix B - Response Form (BAFO))
1	10,416.66	(x)	12	(x)	5	=	\$ 624,999.60

In addition: Value added project and services at no additional charge:

GBSInsider Technology platform for 5 years. (\$25,000 per year value)

Gallagher's new Pharmacy Benefit Manager (PBM) Contract Review to be completed in 2018. (\$10,000 value)

Enhanced performance guarantee placing up to 20% of our annual fee at risk based on mutually agreeable metrics.



Formal Bid and Award System

Award #5 July 14, 2022

Type of Award Request: PROPOSAL (RFP)
Request #: 388
Requestor Name: Breadon, William A. - Project Administrator Construction
Requestor Phone: (904) 665-4285
Project Title: 7703 Blanding Boulevard Driveway Entrance Design Services
Project Number: 8007903 PA22W-7703 Blanding Entr Dr-W
Project Location: JEA
Funds: Capital
Budget Estimate: \$125,000.00
Scope of Work:

JEA is soliciting proposals for design improvements to the Blanding Boulevard Pump Station existing driveway from Blanding Boulevard to the JEA pump station located at 7703 Blanding Boulevard. The existing stabilized driveway is in poor condition and is difficult to traverse without four-wheel drive vehicles. The driveway is approximately 20 feet wide and extends approximately 1,100 linear feet. Reconstruction of the existing driveway will include an improved connection to Blanding Boulevard with associated improvements to abutting driveways. Drainage considerations with associated permitting services are outlined herein.

JEA IFB/RFP/State/City/GSA#: 1410576846
Purchasing Agent: Selders, Elaine Lynn
Is this a ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
CONSTRUCTION AND ENGINEERING SERVICES CONSULTANTS INC.	Steven J. Davis	sdavis@candesconsultants.com	9432 Baymeadows Road, Suite 100 Jacksonville, Florida 32256	(904) 652-1186	\$121,763.04

Amount for entire term of Contract/PO: \$121,763.04
Award Amount for remainder of this FY: \$68,189.72
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 08/01/2022
End Date (mm/dd/yyyy): Project Completion (Expected by November of 2022 for design)
JSEB Requirement: Evaluation Criteria (5% Goal)
Comments on JSEB Requirements:
Construction and Engineering Services Consultants Inc. is a JSEB Firm.

PROPOSERS:

Name	Amount	Rank
CONSTRUCTION AND ENGINEERING SERVICES CONSULTANTS INC.	\$121,763.04	1
ALMOND ENGINEERING, P.A.	N/A	2
SOLID ROCK ENGINEERING, INC.	N/A	3

Background/Recommendations:

Advertised on 02/08/2022. Four (4) companies attended the mandatory pre-proposal meeting held on 03/23/2022. At Proposal opening on 04/05/2022, JEA received three (3) Proposals. The public evaluation meeting was held on 05/26/2022, and JEA deemed Construction and Engineering Services Consultants Inc. the most qualified firm to perform the work. A copy of the evaluation results and fee proposal are attached as backup.

The proposed engineering design and services came in approximately three percent (3%) lower than the estimated budget in the amount of \$3,236.96. The rates were deemed reasonable by the business unit for the work that needs to be completed.

The project details are listed below:

- Total Engineering Budget: \$125,000.00:
 - Total Engineering Design Services \$121,763.04 includes:
 - Contract Administration and Services During Construction (SDC): \$9,878.41
 - Site survey fees: \$16,140.00
 - Professional Services \$95,744.63
- Design Completion Date: November 2022
- Total Construction Budget Estimate \$416,336.96:
 - Construction Budget Estimate: \$383,100.00
 - Project Management/Support: \$33,236.96
- Construction Completion Date: May 2023
- Total Project Budget: \$538,100.00

1410576846 - Request approval to award a contract to Construction and Engineering Services Consultants Inc. for 7703 Blanding Boulevard Driveway Entrance Design Services in the amount of \$121,763.04, subject to lawfully appropriated funds.

Manager: Poteet, Matthew D. - Manager Facilities Construction & Planning
 Director: Brunell, Baley L. - Director, Facilities & Fleet Services
 VP: McElroy, Alan D. - VP Supply Chain & Operations Support

APPROVALS:

Chairman, Awards Committee

Date

Budget Representative

Date

1410576846 7703 Blanding Boulevard Driveway Entrance Design Services

Vendor Rankings	W. Breadon	M. Jones	R. Lehman	Σ Rank	Rank
Almond Engineering, P.A.	3	2	2	7	2
Construction & Engineering Services Consultants, Inc.	1	1	1	3	1
Solid Rock Engineering, Inc.	2	3	3	8	3

W. Breadon	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity (5 Points)	JSEB (5 Points)	Total	Rank
Almond Engineering, P.A.	16.2	33	9	5	5	68.2	3
Construction & Engineering Services Consultants, Inc.	28.20	37	18	5	5	93.2	1
Solid Rock Engineering, Inc.	15.00	35	13	5	5	73	2

M. Jones	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity (5 Points)	JSEB (5 Points)	Total	Rank
Almond Engineering, P.A.	18	23	16	5	5	67	2
Construction & Engineering Services Consultants, Inc.	30.00	37	15	5	5	92	1
Solid Rock Engineering, Inc.	18.00	15	10	5	5	53	3

R. Lehman	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity (5 Points)	JSEB (5 Points)	Total	Rank
Almond Engineering, P.A.	18	22	14	5	5	64	2
Construction & Engineering Services Consultants, Inc.	30	35	19	5	5	94	1
Solid Rock Engineering, Inc.	16.8	23	13	5	5	62.8	3

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
Almond Engineering, P.A.	17.40	26.00	13.00	5.00	5.00	66.40
Construction & Engineering Services Consultants, Inc.	29.40	36.33	17.33	5.00	5.00	93.07
Solid Rock Engineering, Inc.	16.60	24.33	12.00	5.00	5.00	62.93



June 24, 2022

Mr. William A. Breadon, Jr.
Project Administrator
JEA
21 West Church Street
Jacksonville, FL 32202

**Re: Proposal for Consulting Services
Civil Engineering and Permitting
JEA – 7703 Blanding Boulevard Driveway Entrance to PS
Jacksonville, Florida**

Dear Mr. Breadon:

Construction & Engineering Services Consultants, Inc. (C&ES) is pleased to submit the following fee proposal to JEA (THE CLIENT) for consulting services for the referenced project. The site is in Jacksonville at east side of Blanding Boulevard approximately 1,400 feet north of Collins Road. Based on information provided by THE CLIENT, proposes to design improvements to the Blanding Boulevard Pump Station existing driveway from Blanding Boulevard to the JEA pump station. The existing stabilized driveway (gravel) is in poor condition. The driveway is approximately 20 feet wide and extends approximately 1,100 linear feet. Reconstruction of the existing driveway will include an improved connection to Blanding Boulevard with associated improvements to abutting driveways.

SCOPE OF WORK:

Task 1. Schematic (10%) Design:

C&ES will conduct a site visit(s) and review available “as-built” drawings to identify potential conflicts and prepare a preliminary route and alignment design.

Task 1.1 Project Kick-Off Meeting

C&ES will prepare and conduct a kickoff meeting with JEA staff to identify and discuss the critical aspects of the project along the proposed project route. C&ES will work together with JEA to outline the project milestones and develop a schedule for the work activities.

Task 1.2 Progress Meetings

C&ES will participate in regular progress meetings at key milestones throughout the design. These meetings will be used for JEA to review the progress of C&ES and exchange vital ideas and information. These meetings will be held at the kickoff meeting, and thirty percent (30%), sixty percent (60%) and ninety percent (90%) submittal Review Stage.

Task 2. Detail (30%) Design: 10% & 30% - \$ 47,457.86

The detail design phase will lock the Basis of Design prior to the development of construction documents. C&ES will finalize the detailed access roadway alignment during this stage. The plan and profile sheets will be developed at a plan view scale of 1" = 20' for this task.

Task 2.1 Site Survey – Degrove Surveyor, Inc.

Surveyor will provide the following survey services:

1. A topographic survey in accordance with current JEA standards shall be performed. The survey will include both sides of access roadway along the project route and shall depict above grade fixed improvements along the route within the project area.
2. The Surveyor will locate existing trees and determine the size and species of existing trees in accordance with the City of Jacksonville Tree Protection Ordinance.
3. The Surveyor will prepare a final AutoCAD survey meeting the standards set by JEA and C&ES. Signed and sealed copies will be provided for documentation.

Task 2.2 Geotechnical Services – Meskel & Associates Engineering

Auger borings at the proposed access road alignment, pipeline to the pond and wet detention pond. The objective of the geotechnical exploration is to provide site and subsurface information to evaluate the subsurface conditions at the site for the proposed construction.

o Deliverables:

- ❖ C&ES will provide preliminary design plans to THE CLIENT for review and comment.
- ❖ One (1) full-size, 22"x34" set of preliminary design plans in Adobe Acrobat(.PDF) format.

Task 3 - Project Design Development Stage (60% and 90% Design): \$ 20,731.86 (60%) and \$ 20,731.86 (90%)

The work during this stage will focus on the development of construction documents. This task provides for the preparation of drawings, specifications and conducting formal reviews of the contract documents at 60% and 90% completion levels.

Task 3.1 Preparation of Contract Documents

The contract documents shall include detailed drawings, tables, charts, schedules, and other documentation as may be necessary for the bidding and construction of the access roadway. This project will utilize City of Jacksonville (COJ), Florida Department of Transportation (FDOT) and JEA's standard technical specifications.

C&ES will provide JEA with electronic (pdf) file of Detail Design Drawings for review and consideration. C&ES will meet either face to face or virtual with JEA to review the 60% Design and discuss comments. A 90% Design meeting review will be conducted if needed.

Deliverables:

- ❖ C&ES will provide Sixty Percent (60%) and Ninety Percent (90%) design plans to THE CLIENT for review and comment.
- ❖ One (1) full-size, 22"x34" set of preliminary design plans in Adobe Acrobat(.PDF) format.

Task 4 – Final Design (90% to 100% Design): \$ 22,963.04

Task 4.1 Finalize the Construction Documents

C&ES will prepare final construction plans showing all design notations for the construction of the proposed access roadway based on comments at the ninety percent (90%) design review.

C&ES will incorporate JEA, Florida Department of Transportation (FDOT) and City of Jacksonville (COJ) comments.

C&ES will provide two (2) full size (24"X36") of plan & profile signed and sealed sets, one (1) electronic (PDF) file and one (1) AutoCAD file of construction drawings to JEA.

Task 5 – Permitting Assistance and Project Design Meeting: Cost is included to Task 4

Task 5.1 City of Jacksonville Permit

C&ES will prepare and submit a permit application to City of Jacksonville (COJ) for 10-Set Review for the construction of access roadway to JEA Pump Station.

C&ES will monitor the permit throughout the approval process. C&ES will meet with City of Jacksonville as required (estimated to be one meeting) to discuss City of Jacksonville's review comments.

Task 5.2 Florida Department of Transportation (FDOT) Driveway Permit

C&ES will prepare and submit a driveway permit application including Maintenance of Traffic (MOT) Plans to Florida Department of Transportation (FDOT) for review and approval.

Task 5.3 St. Johns River Water Management District (SJRWMD) Environmental Resource Permit (ERP)

C&ES will prepare and submit a drainage plans and calculations for review and approval.

Task 5.4 Project Design Meeting

See Task 1.1 and Task 1.2

This proposal does not include the permit application fees.

Task 6 – Construction Administration: C&ES will perform construction services for civil design to include the following:

- a. Attend Pre-Construction Meeting
- b. Review of shop drawings of drainage structures, and pavement.
- c. Review and respond to Request for Information (RFI).
- d. Engineer observation during construction and final walk through with client representative and site contractor.
- e. Review record/as-built drawing prepared by the contractor.

SCHEDULE OF WORK:

C&ES will commence the work immediately upon being given notice to proceed. Upon notice to proceed, C&ES will work with the CLIENT to provide a reasonable design and permit schedule.

COMPENSATION: See attachment “A” for detailed proposal fee.

C&ES proposes to perform the work for the Tasks described above for the following fees:

Task 1, 2, and Sub-Consultant	lump sum fee	\$ 47,457.86
Task 3, 4, and 5	lump sum fee	\$ 64,426.77
Task 6	lump sum fee	\$ 9,878.41

TOTAL DESIGN FEE	\$ 121,763.04
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This proposal does not include the following:

1. Landscape and Irrigation Design
2. Wetland Environmental Services
3. Potable Water, and Fire Protection Design
4. Subsurface Utility Test Holes
5. Subsurface Utility Designation and Verified Vertical & Horizontal (VVH) location by the use of electromagnetic and ground penetrating radar (GPR).
6. Permit Application Fees

This proposal will remain in effect for a period of 60 days from the date of this letter. Acceptance after that period is subject to a review of the conditions stated herein, and possible revision by C&ES in response to changed conditions.

If this proposal meets with your approval, please send us your copy of the contract agreement for our signature. Once the executed agreement is finalized, we will consider it our Notice to Proceed and will perform this work on a timely matter. We look forward to the opportunity of working with you on this project.

If you have any questions, please do not hesitate to contact our office at 904-652-1186.

Sincerely,

CONSTRUCTION & ENGINEERING SERVICES CONSULTANTS, INC.

Claro N. Magpantay, P.E.  Digitally signed by Claro N. Magpantay, P.E.
Date: 2022.06.24 07:26:46 -04'00'

Claro N. Magpantay, P.E.

Senior Project Engineer

Project Manager

cc: **Steven J. Davis, CEO**
Monique Allen, President



Construction & Engineering Services Consultants, Inc.

Project Name: JEA 7703 Blanding Boulevard Driveway Entrance to PS

Roadway Design

Jacksonville, Florida

Date: June 24, 2022

"ATTACHMENT A"

Description	Number of sheets/Units	Estimated hours/sheet/Unit	Total Man-Hours
Task 1, 2, 3 & 4 - Detailed Design Development			
Cover Sheet	1	8	8
JEA General Notes, Abbreviations and Legend	1	10	10
Civil Notes	1	10	10
Project Survey and Demolition Plan	1	40	40
Pre-Development Drainage Map	1	40	40
Post Development Drainage Map	1	40	40
Roadway Plan and Profile	2	40	80
Stormwater Pond and Grading Plan	1	40	40
Pavement and Drainage Details	1	30	30
Erosion & Sediment Control Plan and Details	1	40	40
Blanding Blvd - Maintenance of Traffic (MOT) Plan	1	40	40
Maintenance of Traffic (MOT) General Notes	1	10	10
Maintenance of Traffic (MOT) Details	1	16	16
			0
Number of sheets	14		
TOTAL HOURS			404.00

Description	Number of sheets/Units	Estimated hours/sheet/Unit	Total Man-Hours
Task 5 - Project Design Meetings and Permitting Assistance			
COJ 10 Set Review Permit	1	16	16
St. Johns River Water Management District	1	30	30
Florida Department of Transportation Driveway Permit	1	24	24
JEA Project Review Meeting	1	8	8
			0
TOTAL HOURS			78.00

Description	Number of sheets/Units	Estimated hours/sheet/Unit	Total Man-Hours
Task 5 - Construction Administration			
Attend Pre-Construction Meeting, Review Shop Drawings, Responses to RFIs, Construction Meetings, and Attend Final Walk Through.	1	48	48
			0
			0
			0
			0
TOTAL HOURS			48.00

TOTAL DESIGN AND CONSTRUCTION SERVICES HOURS	530
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Sub Consultant Services	Cost (L\$)
Degrove Surveyor - Topographic Design Survey	\$ 16,140.00
Meskel Associates - Geotechnical Engineering	\$ 7,100.00
Subconsultant Manager (15%)	\$ 3,486.00
TOTAL COST:	\$ 26,726.00

Miscellaneous Expenses	\$ 1,000.00
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TOTAL COST FOR TASKS 1 through 5, Sub-Consultant & MISC. EXPENSES	\$ 121,763.04
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Not included in this proposal:
1) Landscape and Irrigation Design
2) Wetland Environmental Services
3) Potable Water and Fire Protection Design
4) Subsurface Utility Designation
5) Subsurface Utility Test Holes
6) Permit Application Fees

Overhead Multiplier	2.85
Profit Margin	1.10
	3.135

3%	15%	30%	8%	2%	40%	2%
HOURS						
Principal	Project Manager/EOR	Senior Design Engineer	TTC/MOT Engineer	QA/QC Engineer	Cadd Tech	Admin
\$ 246.88	\$ 223.97	\$ 187.63	\$ 187.63	\$ 206.85	\$ 126.73	\$ 72.42
0.24	1.2	2.4	0.64	0.16	3.2	0.16
0.3	1.5	3	0.8	0.2	4	0.2
0.3	1.5	3	0.8	0.2	4	0.2
1.2	6	12	3.2	0.8	16	0.8
1.2	6	12	3.2	0.8	16	0.8
1.2	6	12	3.2	0.8	16	0.8
2.4	12	24	6.4	1.6	32	1.6
1.2	6	12	3.2	0.8	16	0.8
0.9	4.5	9	2.4	0.6	12	0.6
1.2	6	12	3.2	0.8	16	0.8
1.2	6	12	3.2	0.8	16	0.8
0.3	1.5	3	0.8	0.2	4	0.2
0.48	2.4	4.8	1.28	0.32	6.4	0.32
0	0	0	0	0	0	0
TOTAL LABOR HRS	60.60	121.20	32.32	8.08	161.60	8.08
COST	\$ 2,992.20	\$ 13,572.62	\$ 22,740.73	\$ 6,064.19	\$ 1,671.38	\$ 20,479.95
TOTAL LABOR COST	\$ 68,106.21					

0%	50%	50%	0%	0%	0%	0%
HOURS						
Principal	Project Manager/EOR	Senior Design Engineer	TTC/MOT Engineer	QA/QC Engineer	Cadd Tech	Admin
\$ 246.88	\$ 223.97	\$ 187.63	\$ 187.63	\$ 206.85	\$ 126.73	\$ 72.42
0	8	8	0	0	0	0
0	15	15	0	0	0	0
0	12	12	0	0	0	0
0	4	4	0	0	0	0
0	0	0	0	0	0	0
TOTAL LABOR HRS	39.00	39.00	0.00	0.00	0.00	0.00
COST	\$ -	\$ 8,734.86	\$ 7,317.56	\$ -	\$ -	\$ -
TOTAL LABOR COST	\$ 16,052.42					

0%	50%	50%	0%	0%	0%	0%
HOURS						
Principal	Project Manager/EOR	Senior Design Engineer	TTC/MOT Engineer	QA/QC Engineer	Cadd Tech	Admin
\$ 246.88	\$ 223.97	\$ 187.63	\$ 187.63	\$ 206.85	\$ 126.73	\$ 72.42
0	24	24	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
TOTAL LABOR HRS	24.00	24.00	0.00	0.00	0.00	0.00
COST	\$ -	\$ 5,375.30	\$ 4,503.11	\$ -	\$ -	\$ -
TOTAL LABOR COST	\$ 9,878.41					

PHASE %	LABOR HOURS	TOTAL LABOR COST		
10	40	\$ 6,910.62	10%-30%	DESIGN PHASE
30	81	\$ 40,547.24	\$ 47,457.86	INCLUDING SUB-CONSULTANT SERVICES
60	121	\$ 20,731.86	60%-100%	DESIGN PHASE AND PERMITTING
90	191	\$ 20,731.86		
100	48	\$ 22,963.04	\$ 64,426.77	
Construction Administration	48.00	\$ 9,878.41	\$ 9,878.41	CONSTRUCTION SERVICES
TOTAL:	530.00		\$ 121,763.04	



Formal Bid and Award System

Award #6 July 14, 2022

Type of Award Request: INVITATION TO NEGOTIATE (ITN)
Request #: 393
Requestor Name: Selders, Steve G. - VP Application Delivery and Enterprise Architecture
Requestor Phone: (904) 665-8963
Project Title: Consulting Services for Enterprise IT User Experience
Project Number: HEB0000
Project Location: JEA
Funds: O&M
Award Estimate: \$600,000.00

Scope of Work:

The purpose of this solicitation (this "Solicitation") is to evaluate and select a vendor to provide consulting services to review and assess the current use of technology within JEA business processes across the enterprise; evaluate and benchmark this technology environment against similar entities to ensure that JEA is cost effective, efficient, and focused on the right priorities that are aligned to JEA business objectives (the "Work" or "Services") as described in this Solicitation (the "Work").

JEA IFB/RFP/State/City/GSA#: 1410637646
Purchasing Agent: Dambrose, Nickolas C.
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
UTILLIGENT LLC	Meir Shargal	meir.shargal@utelligent.com	18191 VON KARMAN AVE., STE 100, IRVINE, US-CA, 92612	888-442-4303	\$552,614.00

Amount for entire term of Contract/PO: \$552,614.00
Award Amount for remainder of this FY: \$165,785.00
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 07/15/2022
End Date (mm/dd/yyyy): Project Completion (Estimated Dec. 2022)
JSEB Requirement: N/A – Specialty service

RESPONDENTS:

Name	Original Amount	Original Score	Original Rank	BAFO Amount	BAFO Score	BAFO Rank	Disqualification
UTILLIGENT LLC	\$602,208.00	70.76	3	\$552,614.00	86.83	1	No
PROTIVITI INC	\$532,100.21	71.48	2	\$532,100.00	86.54	2	No
TECH MAHINDRA	\$299,495.00	85.36	1	\$498,278.00	85.36	3	No
XTENSIBLE SOLUTIONS, LLC	\$619,480.00	69.08	5	\$586,840.00	83.84	4	No
HCL AMERICA INC	\$648,673.00	66.08	6	\$555,390.00	83.57	5	No
INFOSYS	\$530,755.23	69.72	4	\$649,837.67	77.99	6	No
ISG INFORMATION SERVICES GROUP	\$782,290.08	62.08	7	\$664,947.00	76.85	7	No
WWT	\$859,941.10	55.88	9	\$859,941.10	67.46	8	No
ACCENTURE LLP	\$894,181.68	57.4	8	\$894,181.68	66.49	9	No

Background/Recommendations:

Advertised 03/22/2022. Six (6) Companies attended the optional pre-response meeting held on 03/29/2022. At Response opening on 04/12/2022, JEA received nine (9) Responses. The Responses were evaluated on price, professional staff experience and location and availability of personnel, and design approach and work plan. Minimum qualification past performance references were also verified. The original response considered some off-shore work options and rates; however, after further evaluation JEA determined it was in our best interest to solicit only on-shore US based work and rates during the Best and Final Offer (BAFO) request, which increased the pricing offered in some cases. Due to this change all nine (9) respondents were invited on 06/22/2022 to submit BAFOs on 06/24/2022. Utilligent LLC is deemed the highest ranking responsible and responsive Respondent. A copy of the evaluation matrix summary is attached as back-up.

This request is for a one-time consulting engagement with Utilligent LLC for \$552,614.00. JEA is seeking a consulting firm to assist with the development and implementation of a comprehensive process review and improvement plan that will:

- Review the current JEA technology system landscape;
- Evaluate the fit and functionality of the technology and related processes in support of JEA business objectives;

- Provide recommendations on IT Governance, process, technology and talent development to prepare JEA for an optimal future state;
- Benchmark against other municipal utility entities comparable to JEA (where appropriate);
- Develop a report with improvement recommendations for JEA of the findings.

The plan should focus on identifying opportunities and priorities for JEA's core technology platforms with recommendations optimized for user experience, efficiency and productivity, cost and supportability, effective governance, and architectural fit within the JEA enterprise to enable a future state optimized around best practice.

The rates submitted are based on blended hourly rates for five different team members at an average rate of \$210.60 per hour shown in the table below. The engagement also includes a total not to exceed hours of 2,624 for the three main deliverables for Data Collection, Interviews, User Experience Capture, Current State of IT Process, Governance, and Performance, and GAP Analysis, Roadmap and Implementation Strategy. JEA benchmarked the rates below against a similar engagement for EIM services in 2020. The rates below were determined to be reasonable because they are within a 7% range difference. The bid A copy of the response workbook is attached as backup.

ITEM NO.	TITLE OF TEAM MEMBER	% WEIGHT	HOURLY RATE	BLEND ED HOURLY RATE
1.1.1	Delivery Executive/Senior Partner	9%	\$0.00	\$ -
1.1.2	Lead Project Manager/Strategy Lead	30%	\$270.00	\$ 81.00
1.1.3	Business Lead Analyst/Consultant	27%	\$240.00	\$ 64.80
1.1.4	Technical Lead Analyst/Consultant	27%	\$240.00	\$ 64.80
1.1.5	Utility Business & Technology Subject Matter Experts (SMEs)	7%	\$0.00	\$ -
1.1.6	Total Blended Hourly Rate for Consulting Services - Enterprise IT User Experience			\$ 210.60

1410637646– Request approval to award a contract to Ulligent LLC for Consulting Services for Enterprise IT User Experience in the amount of \$552,614.00, subject to the availability of lawfully appropriated funds.

VP: Selders, Steve G. - VP Application Delivery and Enterprise Architecture

Chief: Krol, Bradley D. (Brad) - Chief Information Officer

APPROVALS:

Chairman, Awards Committee **Date**

Budget Representative **Date**

Utiligent, LLC.

SECTION 1. HOURLY RATES (BLENDED)

The following hourly rates shall apply to successfully complete all of the deliverables of the Consulting Services - Enterprise IT User Experience as described in the Solicitation Document. Respondent shall add additional rows as necessary to this Section. All bid prices shall include all travel, parts, tools and materials to complete the service. All travel shall include on-site reporting of the final deliverable. All other deliverables shall be remote. No additional fees shall apply.

ITEM NO.	TITLE OF TEAM MEMBER	% WEIGHT	HOURLY RATE	BLENDED HOURLY RATE
1.1.1	Delivery Executive/Senior Partner	9%	\$0.00	\$ -
1.1.2	Lead Project Manager/Strategy Lead	30%	\$270.00	\$ 81.00
1.1.3	Business Lead Analyst/Consultant	27%	\$240.00	\$ 64.80
1.1.4	Technical Lead Analyst/Consultant	27%	\$240.00	\$ 64.80
1.1.5	Utility Business & Technology Subject Matter Experts (SMEs)	7%	\$0.00	\$ -
1.1.6	Total Blended Hourly Rate for Consulting Services - Enterprise IT User Experience			\$ 210.60

SECTION 2. NOT TO EXCEED HOURS

The following not to exceed hours shall apply to successfully complete the deliverables of the Consulting Services - Enterprise IT User Experience as described in the Solicitation Document

ITEM NO.	DELIVERABLE	NOT TO EXCEED HOURS	
2.1.1	Data Collection, Interviews, User Experience Capture	504	
2.1.2	Current State of IT Process, Governance, and Performance	960	
2.1.3	GAP Analysis, Roadmap and Implementation Strategy	1160	
2.1.4	Total Not to Exceed Hours for Consulting Services - Enterprise IT User Experience		2624

ITEM NO.	This Amount Will Be Transferred To Page 1 of Appendix B - Response Form		
3.1	Total Price - Data Collection, Interviews, User Experience Capture		\$ 106,142.40
3.2	Total Price - IT Current State		\$ 202,176.00
3.3	Total Price - GAP Analysis & Implementation Roadmap		\$ 244,296.00
3.4	Total Bid Price (Transfer this Amount where indicated in Zycus)		\$ 552,614.40

[illegible]

Utilegent - TS Assessment Payment Breakdown

Total Award \$ 552,614.40

Estimated Delivery	%	Dollars	Milestone	Milestone Delivery	Milestone Description
FY22	10%	\$ 55,262.00	Phase 1	Mobilization and Kick-off	This phase includes collecting background documents to allow the team to form a picture of the current state, as well as to plan the following weeks of the engagement including interviews and workshop schedules.
FY22	20%	\$ 110,523.00	Phase 2	Current State Operating Model	The purpose of this task is to gain an understanding of JEA's capabilities maturity and applications footprint supporting those capabilities, as well as identifying the current and planned initiatives.
FY23	20%	\$ 110,523.00	Phase 3	Future State Definition	Utilegent will introduce best practices, benchmarks (both been already cataloged within the Capability Maturity Model), and identify utilities that JEA consider peers, and other utilities and non-utility organizations who have best-in-class business and technical capabilities. The goal is to establish a set of guiding principles and initial target capabilities maturity to underpin the future business strategy.
FY23	20%	\$ 110,523.00	Phase 4	Gap Analysis & Prioritization	This phase will focus on developing an impact assessment/gap analysis between current and future capabilities addressing People, Process, Technology and Data. The gap analysis will help us define JEA's Strength, Weakness, Opportunities, and Threats (SWOT) and identify quick wins that can have an immediate impact on the business.
FY23	20%	\$ 110,523.00	Phase 5	Roadmap & Cost/Benefit Models	In this phase, a roadmap will be created that balances between short-term tactical needs and longer-term strategic needs and align results with JEA's strategic priorities. The velocity of the roadmap will be driven by the business and technical readiness, financial and resource constraints, coupled with the ability to absorb the change within JEA. Once the roadmap is defined, high-level cost estimates will be developed.
FY23	10%	\$ 55,260.60	Phase 6	Final Report	In this phase, we will develop an executive presentation that will include an overview of the findings from our current state assessment, the vision and the future capabilities needed to achieve the vision, gaps and initiatives to close the gaps, and the recommended roadmap.
100%		\$ 552,614.60			

FY22	\$ 165,785.00
FY23	\$ 386,829.60



Formal Bid and Award System

Award #7 July 14, 2022

Type of Award Request: BID (IFB)
Request #: 323
Requestor Name: Spell, Bryan C., Mgr Water & Sewer Preventative Maintenance
Requestor Phone: (904) 665-4643
Project Title: Removal-Replacement and Inspection of JEA Owned Sewer Air Release Valves
Project Number: 8007419
Project Location: JEA
Funds: Capital
Budget Estimate: \$1,100,000.00

Scope of Work:

The intent of this contract is for the Contractor to perform the physical removal and replacement of JEA owned air release valves (ARV), delivery of removed ARVs to the JEA ARV shop, and inspection of associated appurtenances within assigned ARV Inspection routes within the JEA service territory.

JEA has approximately 2,050 sewer ARVs installed on sewer force mains throughout the JEA wastewater collection system. Most ARVs are exposed to varying levels of sulfuric acid as a result of the chemical reaction that occurs when hydrogen sulfide gas (air released from ARVs) mixes with water (ground water, condensation from damp air within manhole/vault). The effects of this exposure requires many of the ARVs to be rebuilt or replaced regularly. In order to service all sewer ARVs annually, JEA is seeking contractor services to perform the field work to remove existing ARVs and replace with new or refurbished ARVs provided by JEA. The existing ARVs will be returned to the JEA ARV maintenance facility to remove and replace defective items of the ARV, replace corroded parts, rebuild, and test to ensure the ARV meets the operating standards as written in JEA W/WW Standards and Specifications.

JEA IFB/RFP/State/City/GSA#: 1410643846
Purchasing Agent: Brown, Darriel
Is this a Ratification?: No

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
R&M SERVICE SOLUTIONS, LLC	Mike George	mgeorge@rmservice solutions.com	7256 Westport Place Suite A, West Palm Beach, FL 33413	813-788-4357	\$2,487,500.00

Amount for entire term of Contract/PO: \$2,487,500.00
Award Amount for remainder of this FY: \$300,000.00
Length of Contract: Five (5) Years w/Two (2) - One (1) Yr. Renewals
Begin Date: 08/01/2022
End Date: 07/31/2027

Renewal Options:
JSEB Requirement:

Two (2) - One (1) Yr. Renewals
N/A – Optional

BIDDERS:

Name	Bid Amount (3 years)	Award Amount (5 years)
R&M SERVICE SOLUTIONS, LLC	\$1,492,500.00	\$2,487,500.00
LR INFRASTRUCTURE EVALUATION, LLC	\$1,566,000.00	\$2,610,000.00

Background/Recommendations:

Advertised on 04/05/2022. Three (3) Bidders attended the mandatory pre-bid meeting held on 04/14/2022. At Bid opening on 05/17/2022, JEA received two (2) Bids. The third possible Bidder declined to participate; additionally, the Awards Committee recently approved a contract termination for this vendor. R&M Service Solutions, LLC is the lowest responsive and responsible bidder. A copy of the Bid Form and Workbook are attached as backup.

A successful pilot ARV Removal and Replacement contract which was awarded to R&M Service Solutions LLC was completed in FY21. Through the contract, 1735 sewer air release valves (ARVs) were removed, rebuilt, tested and replaced back into the collection system. An additional 200 ARVs were flagged by the contractor which required work beyond the scope of the contract and was addressed by JEA staff. The pilot contract was modified to require the contractor to provide labor to disassemble, clean, and prepare ARVs for reassembly and testing by JEA staff. It is expected that during the term of this contract approximately 1,950 ARVs (current count of ARVs) will be serviced plus newly added ARVs via development and JEA capital sewer projects.

The 35.68% variance in the 3 year estimate and bid proposal was primarily due to the cost associated with disassembly, cleaning, and preparation for reassembly and testing. This portion of the estimate was based on completion rates by JEA staff at JEA employee rates. This line item is the one item that was underestimated for the contract. All other line items were similar to the rates provided in the pilot contract. Task orders will be issued to R&M Service Solutions for this continuing services contract, and will be issued as projects are identified. R&M Service Solutions provided unit prices that will remain fixed through the first year (1) year of the Contract. Thereafter, R&M Service Solutions, LLC may request a Consumer Price Index (CPI) adjustment annually.

The award amount of \$1,492,500.00 is approximately 36% higher than the budget estimate of \$1,100,000.00. The project team has reviewed this project and has deemed this bid reasonable based on current market conditions. Although the Bid Workbook was based on a 3-year projection, the solicitation stated a 5-year duration, with two (2) - one (1) year renewals.

1410643846– Request approval to award a contract to R&M Service Solutions, LLC. for Removal- Replacement and Inspection of JEA Owned Sewer Air Release Valves in the amount of \$2,487,500.00, subject to the availability of lawfully appropriated funds.

Manager: Spell, Bryan C. - Mgr Water & Sewer Preventative Maintenance
Director: Scheel, Jackie B. - Dir W/WW Reuse Delivery & Collection
VP: Vu, Hai X. - VP Water Wastewater Systems

APPROVALS:

Chairman, Awards Committee	Date
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Budget Representative	Date
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Appendix B - Bid Forms
1410643846 Removal-Replacement and Inspection of JEA Owned Sewer Air Release Valves

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

Company Name: R&M Service Solutions, LLC

Company's Address: 7256 Westport Place Suite A, West Palm Beach, FL 33413

License Number: #CUC1225260

Phone Number: 813-788-4357 FAX No: _____ Email Address: mgeorge@rmservicesolutions.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 1410643846

TOTAL BID PRICE

**Total Bid Price for the Project
(enter total from cell H9 in the Bid Workbook)**

\$ 1,492,500.00

☒ **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

_____ through _____

Handwritten Signature of Authorized Officer of Company or Agent

Date

Michael George, Chief Operating Officer
Printed Name and Title

Appendix B - Bid Forms
1410643846 Removal-Replacement and Inspection of JEA Owned Sewer Air Release Valves

Subcontractor Form

JEA Solicitation Number 1410643846 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.

None				

1410643846 Appendix B - Bid Workbook
Removal-Replacement and Inspection of JEA Owned Sewer Air Release Valves
(Only complete the prices in yellow cells)

Company:

**R&M Service Solutions,
LLC.**

Air Release Valve Removal/Replacement & Inspection Contract

PART	ITEM	DESCRIPTION	ANNUAL QUANTITY	UNIT	UNIT PRICE	ANNUAL CONTRACT PRICE	3-YEAR CONTRACT TERM
3	1	ARVs Removed, Replaced, & Appurtenances Inspected	1,900	each	\$185.00	\$ 351,500.00	\$ 1,054,500.00
3	2	ARVs Flagged for Isolation Valve Failure	150	each	\$150.00	\$ 22,500.00	\$ 67,500.00
3	3	ARVs Cleaned and Prepared for Rebuild/Test	1,900	each	\$65.00	\$ 123,500.00	\$ 370,500.00
Total Bid Price						\$ 497,500.00	\$ 1,492,500.00



Formal Bid and Award System

Award #8 July 14, 2022

Type of Award Request: BID (IFB)
Requestor Name: Jason Rinehart
Requestor Phone: (904) 665-7380
Project Title: Circuits 684 High-Pressure Fluid Filled (HPFF) Terminations Replacement at Kennedy Substation and University Transfer Station
Project Number: 8007594
Project Location: JEA
Funds: Capital
Budget Estimate: \$1,158,191.00

Scope of Work:

JEA is issuing this Solicitation with the intent to hire an electrical construction contractor to rebuild the riser pipe assembly 684S for JEA.

The Contractor shall completely rebuild riser pipe assembly, install a new trifurcating splice, pull new copper cable and install terminations at the University Transition Station located at 5465 John Reynolds Drive.

The Contractor shall provide all labor, equipment, material, and supervision required for construction and final commissioning of the circuit. Major material includes one trifurcating splice, three (3) High Pressure Fluid Filled (HPFF) pipe-type cable terminations, 900kcm copper cable and stainless-steel piping. The Contractor is responsible under this contract to inspect, receive, unload, and install all material at the job site. JEA will be providing all terminations, two of which are installed, and one is located at the Southside Service Center.

JEA IFB/RFP/State/City/GSA#: 1410728846
Purchasing Agent: Rodney Lovgren
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
WA Chester LLC	Dan Plecki	dplecki@wachester.com	4200 Parliament Place, Suite 400, Lanham MD 20706	(240)487-1940	\$1,329,952.16

Amount for entire term of Contract/PO: \$1,329,952.16
Award Amount for remainder of this FY: \$0.00
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 07/10/2022
End Date (mm/dd/yyyy): Project Completion – (Expected Completion September 2024)
JSEB Requirement: N/A: Optional

BIDDERS:

Name	Amount
WA CHESTER LLC	\$1,329,952.16
FERREIRA CONSTRUCTION CO	\$1,655,875.02

Background/Recommendations:

Advertised on 05/19/2022. Three (3) prime contractors attended the optional pre-bid meeting held on 05/26/2022. At Bid opening on 06/19/2022, JEA received (2) Bids. There has traditionally been limited competition on this scope of services. WA Chester LLC is the lowest responsive and responsible Bidder. A copy of the Bid Form & Schedule of Values is attached as backup.

The award amount of \$1,329,952.16 is approximately fifteen percent (15%) higher than the budget estimate due to rising materials & labor costs and is deemed reasonable.

1410728846 - Request approval to award a contract to WA Chester LLC for construction services for Circuits 684s Trifurcating Splice Installation at University Transition Station project in the amount of \$1,329,952.16, subject to the availability of lawfully appropriated funds.

Manager: Hamilton, Darrell D. - Manager, Project Design
Sr. Director: Acs, Gabor – Sr. Dir Engineering & Projects
VP: Erixton, Ricky D. - VP Electric Systems

APPROVALS:

Chairman, Awards Committee	Date
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Budget Representative	Date
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Appendix B - Bid Form

1410728846 Circuit 684S Trifurcating Splice installation at University Transition Station
Submit an electronic version (pdf and excel version of the bid workbook / schedule of values) via sourcing platform

Company Name: WA. Chester, LLC

Company's Address 4200 Parliament Place, Suite 400, Lanham, MD 20706

License Number: M96000000071 Business License - ES0000407 Contractors License

Phone Number: 202-253-7321 FAX No: 240-487-1941 Email Address: jmcnulty@wachester.com

BID SECURITY REQUIREMENTS

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

TERM OF CONTRACT

- ☐ One Time Purchase
☐ Term Contract - Specify Term
☒ Other, Specify - Project Completion

SAMPLE REQUIREMENTS

- ☒ None required
☐ Samples required prior to Response 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

#	Description of Services	TOTAL BID PRICE
1	Total Bid Price (Total from the Bid Workbook)	\$ 1,329,952.16

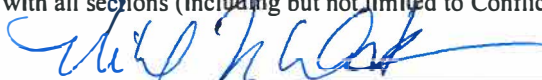
☒ I have read and understood the Sunshine Law/Public Records clauses contained within this solicitation. I understand that in the absence of a redacted copy my proposal will be disclosed to the public "as-is".

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

06/17/22

Date

Michael MacArthur - Corporate Comptroller

Printed Name and Title

Schedule of Values						
Scope	#	ITEM DESCRIPTION	UOM	Quantity	Unit Price	Extended Price
Mob / Demob / Bond	1	1.1 MOBILIZATION	Lump Sum	1	\$ 22,159.00	\$ 22,159.00
	2	1.2 DEMOBILIZATION	Lump Sum	1	\$ 22,159.00	\$ 22,159.00
	3	1.3 BID BOND	Lump Sum	1	\$ 60,450.00	\$ 60,450.00
Site Preparation			Lump Sum	1	\$ 5,000.00	\$ 5,000.00
	4	2.1 SURVEYING				
Demolition and Disposal	5	3.1 CONCRETE REMOVAL AND DISPOSAL	CUYD		\$ 17,500.00	\$ 17,500.00
	6	3.2 OIL REMOVAL AND DISPOSAL (CONTRACTOR TO SUPPLY OIL DRUMS TO REMOVE)	Lump Sum	1	\$ 30,961.00	\$ 30,961.00
	7	3.3 2-INCH PIPE REMOVAL AND DISPOSAL	FT	31	\$ 281.82	\$ 8,736.42
	8	3.4 RISER PIPE REMOVAL AND DISPOSAL	Lump Sum	1	\$ 12,500.00	\$ 12,500.00
	9	3.5 B-PHASE TERMINATOR REMOVAL AND DISPOSAL	EA	1	\$ 10,500.00	\$ 10,500.00
	10	3.6 A-PHASE TERMINATORS REMOVAL AND STORAGE	EA	1	\$ 5,580.00	\$ 5,580.00
	11	3.7 C-PHASE TERMINATORS REMOVAL AND STORAGE	EA	1	\$ 5,580.00	\$ 5,580.00
	12	3.8 900KCM COPPER CABLE REMOVAL	Lump Sum	1	\$ 11,514.00	\$ 11,514.00
	13	3.9 EXCAVATION AND REMOVAL OF SUBSTATION ROCK	Lump Sum	1	\$ 38,200.00	\$ 38,200.00
	14	3.10 REMOVAL OF SUBSTATION CURB	LFT	1	\$ 6,820.00	\$ 6,820.00
Materials (Include Freight to Site)	15	4.1 TRIFURCATING SPLICE ASSEMBLY	EA	1	\$ 12,500.00	\$ 12,500.00
	16	4.2 900KCM COPPER CABLE	FT	1	\$ 126,180.00	\$ 126,180.00
	17	4.3 900KCM CABLE SPLICE	EA	3	\$ 9,167.00	\$ 27,501.00
	18	4.4 STAINLESS STEEL RISER PIPE	FT	1	\$ 24,850.00	\$ 24,850.00
	19	4.5 PIPE ANCHOR	EA	1	\$ 12,500.00	\$ 12,500.00
	20	4.6 PIPE COATING	Lump Sum	1	\$ 3,250.00	\$ 3,250.00
	21	4.7 BASEPLATES	EA	3		\$ -
	22	4.8 DICHEVEROL DIELECTRIC 500 INSULATING OIL	Lump Sum	1	\$ 3,250.00	\$ 3,250.00
	23	4.9 MISCELLANEOUS GASKETS TO INSTALL NEW G&W TERMINATIONS	Lump Sum	1	\$ 1,250.00	\$ 1,250.00
	24	4.10 2-INCH OIL PIPE	FT	1	\$ 3,988.00	\$ 3,988.00
	25	4.11 2-INCH OIL PIPE VALVE	EA	2	\$ 425.00	\$ 850.00
	26	4.12 EXCAVATABLE FLOWABLE FILL (<150PSI)	Lump Sum	1	\$ 7,500.00	\$ 7,500.00
	27	4.13 #5 BLUE-GREY LIMESTONE 4" MINIMUM THICKNESS	Lump Sum	1	\$ 8,500.00	\$ 8,500.00
	28	4.14 4KSI CONCRETE	CUYD	1	\$ 9,000.00	\$ 9,000.00
	29	4.15 500KCM 600V THHN COPPER CABLE	FT	60	\$ 14.50	\$ 870.00
	30	4.16 THOMAS & BETTS #54876BE GROUNDING LUG, BOLTS AND WASHERS	EA	2	\$ 450.00	\$ 900.00
	31	4.17 TRENWA GP-78 BOLLARDS	EA	4	\$ 1,250.00	\$ 5,000.00
	32	5.1 TRIFURCATING SPLICE ASSEMBLY INSTALLATION	EA	1	\$ 17,500.00	\$ 17,500.00
	33	5.2 900KCM COPPER CABLE INSTALLATION	FT	1	\$ 49,989.00	\$ 49,989.00
	34	5.3 900KCM CABLE SPLICE INSTALLATION	EA	3	\$ 100,442.00	\$ 301,326.00
	35	5.4 INSTALL STAINLESS STEEL RISER PIPE	FT	1	\$ 72,996.00	\$ 72,996.00
Labor	36	5.5 PIPE ANCHOR INSTALLATION	EA	1	\$ 24,500.00	\$ 24,500.00
	37	5.6 PIPE COATING INSTALLATION	Lump Sum	1	\$ 17,500.00	\$ 17,500.00
	38	5.7 BASEPLATE INSTALLATION	EA	3	\$ 1,550.00	\$ 4,650.00
	39	5.8 FILL WITH DICHEVEROL DIELECTRIC 500 INSULATING OIL	Lump Sum	1	\$ 15,500.00	\$ 15,500.00
	40	5.9 INSTALL TERMINATIONS	EA	3	\$ 14,450.00	\$ 43,350.00
	41	5.10 INSTALL 2-INCH OIL PIPE	FT	1	\$ 24,188.00	\$ 24,188.00
	42	5.11 INSTALL 2-INCH OIL PIPE VALVE	EA	2	\$ 750.00	\$ 1,500.00
	43	5.12 INSTALL EXCAVATABLE FLOWABLE FILL (<150PSI)	Lump Sum	1	\$ 12,500.00	\$ 12,500.00
	44	5.13 LAY #5 BLUE-GREY LIMESTONE	Lump Sum	1	\$ 25,500.00	\$ 25,500.00
	45	5.14 PLACE 4KSI CONCRETE	CUYD	1	\$ 17,500.00	\$ 17,500.00
	46	5.15 SILT FENCE, EROSION AND SEDIMENT CONTROL ASSEMBLY, INSTALLATION, AND REMOVAL	Lump Sum	1	\$ 12,500.00	\$ 12,500.00
	47	5.16 DEWATERING	Lump Sum	1	\$ 22,500.00	\$ 22,500.00
	48	5.17 HOLIDAY TESTING	Lump Sum	1	\$ 7,500.00	\$ 7,500.00
	49	5.18 INSTALL BOLLARDS	EA	4	\$ 1,250.00	\$ 5,000.00
Miscellaneous	50	6.1 RESTORATION	Lump Sum	1	\$ 22,500.00	\$ 22,500.00
	51	6.2 AS-BUILT SURVEY AND DRAWINGS	Lump Sum	1	\$ 5,000.00	\$ 5,000.00
	52	6.3 MOT TO BE USED FOR ALL MAINTENANCE OF TRAFFIC	Lump Sum	1		\$ -
*ALL QUANTITIES ARE ESTIMATED AND DO NOT ABSOLVE THE BIDDER FROM PROVING THE TOTAL BID PRICE.						
**ALL ITEMS TO COMPLETE THE WORK MAY NOT BE INCLUDED, THE BIDDERS SHALL ADD ROWS AS NECESSARY TO PROVIDE A COMPLETE SOV.						
Subtotal Line 1 - 54 Above						\$ 1,209,047.42
SWA (10% of Subtotal)						\$ 120,904.74
Total Bid Price (Enter this amount on line 1 of the Bid Form)						\$ 1,329,952.16



Formal Bid and Award System

Award #11 July 14, 2022

Type of Award Request: BID (IFB)
Request #: 362
Requestor Name: Hawk, Thomas C., Project Manager
Requestor Phone: (904) 665-8829
Project Title: Construction Services for District II - Harts Road Wastewater Lift Station
Project Number: 8003549
Project Location: JEA
Funds: Capital
Budget Estimate: \$2,524,464.00

Scope of Work:

The purpose of this Solicitation is to procure a Contractor to upgrade the lift station located at 11305 Harts Road. This work will involve replacement of the following: the motor control center, transfer switch, programmable logic controller, Human-Machine Interface, controls, and communication equipment. This work will also involve installation of a new precast electric building to meet storm resiliency requirements, replacement of three sewer pumps, replacement of piping and valves, replacement of ventilation system, and replacement of lighting.

The lift station located at 11305 Harts Road was constructed in 1979 and much of the equipment and facility is either in need of rehabilitation or is reaching the end of its useful life and requires replacement. This rehabilitation also includes life safety and storm resiliency improvements. Harts Road is being slightly downsized in conjunction with the Robena Road Booster Pump Station and Key Haven Pump Station realignment projects.

JEA IFB/RFP/State/City/GSA#: 1410644246
Purchasing Agent: Brown, Darriel
Is this a Ratification?: No

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
SAWCROSS, INC.	Mark Hickinbotham	markh@sawcross.com	10970 New Berlin Road, Jacksonville, FL 32226	(904) 751-7500	\$4,195,450.00

Amount for entire term of Contract/PO: \$4,195,450.00
Award Amount for remainder of this FY: \$80,000
Length of Contract/PO Term: Project Completion
Begin Date: 08/01/2022
End Date: Project Completion (Estimated: October 2023)
JSEB Requirement: Five Percent (5%) Requirement
Comments on JSEB Requirements:
RZ Service Group (Mechanical Supply) - 5%

BIDDERS:

Name	Amount
SAWCROSS, INC.	\$4,195,450.00
WILLIAMS INDUSTRIAL SERVICES, LLC	\$4,354,989.60
PBM CONSTRUCTORS, INC	\$5,590,475.00

Background/Recommendations:

Advertised on 03/30/2022. Six (6) prime contractors attended the mandatory pre-bid meeting held on 04/11/2022. At Bid opening on 06/07/2022, JEA received three (3) Bids. Sawcross, Inc. is the lowest responsive and responsible Bidder. A copy of the Bid Form and Workbook are attached as backup.

After Bid opening, a formula error was identified in the Bid Workbook cell referencing General Conditions. Procurement deemed this a minor irregularity and allowed all bidders to submit a revised Bid Workbook and Bid Form with the correct General Conditions amount. This correction still resulted in Sawcross as the lowest responsive and responsible Bidder.

The award amount of \$4,195,450.00 is approximately 66% higher than the budget estimate. The project team has reviewed this project and has deemed this bid reasonable based on current market conditions. The variance can primarily be attributed to cost of materials, supplies and shipping. Changes from the pre-bid budget estimate included the change in process piping from ductile iron to Schedule 40 Stainless Steel; incorporation of the new 2022 JEA Bypass Pumping Requirements; and raising the Electric Room finish floor elevation and surround ground and pavement by 1 foot to meet COJ resiliency requirements.

1410644246 – Request approval to award a contract to Sawcross, Inc. for Construction Services for District II - Harts Road Wastewater Lift Station in the amount of \$4,195,450.00, subject to the availability of lawfully appropriated funds.

Manager: Doherty, Peter F. – Senior Manager Project Management
Director: Conner, Sean M. - Dir W/WW Project Engineering & Construction
VP: Vu, Hai X. - VP Water Wastewater Systems

APPROVALS:

Chairman, Awards Committee**Date**

Budget Representative**Date**

Addendum 1 - Appendix B - Bid Forms
1410644246 Construction Services for District II - Harts Road Wastewater Lift Station Project

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

Company Name: Sawcross, Inc.
 Company's Address: 10970 New Berlin Road, Jacksonville, FL 32226
 License Number: CGC036203
 Phone Number: (904) 751-7500 FAX No: (904) 751-0600 Email Address: markh@sawcross.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 1410644246

TOTAL BID PRICE

Total Bid Price for the Project
 (enter total from cell F20 in the Bid Workbook)

~~\$ 4,155,404.50~~
\$4,195,450.00

☒ 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 1

Handwritten Signature of Authorized Officer of Company or Agent

6/7/2022

Date

Mark Hickinbotham, President
 Printed Name and Title

Addendum 1 - 1410644246 Appendix B - Bid Workbook
Construction Services for District II - Harts Road Wastewater Lift Station Project
(Only complete the prices in yellow cells)

				Company:	SAWCROSS, INC.
Item No.	Quantity	Unit	Description	Unit Price	Total Price
1	1	LS	GENERAL (Mobilization, Demobilization and Permitting)	\$350,000.00	\$350,000.00
2	1	LS	PREPARATION AND RESTORATION (Mobilize to maintain sediment and erosion control, seeding, sodding and site stabilization work)	\$200,000.00	\$200,000.00
3	1	LS	SITE CIVIL (Work associated with clearing, grubbing, common fill, grading, drainage, new asphalt driveway installation, pavement repair, new sidewalk, stormwater swale, fencing, landscaping and as shown on the contract documents)	\$500,000.00	\$500,000.00
4	1	LS	DEMOLITION (Work associated with demolition of the seal & flush water system, existing two (2) dry pit submersible pumps, demolition of existing ladder/metal stairs, grating and 12-inch slab in the existing screening room, HVAC system, electrical demolition and as shown on the contract documents)	\$350,000.00	\$350,000.00
5	1	LS	TEMPORARY STANDBY DIESEL PUMP (Work associated with the supply of a temporary standby diesel bypass pump, new valves, fittings to accommodate connection of bypass pump on the existing suction and discharge piping on the existing diesel bypass pump, temporary piping and fittings between the two pumps and all work associated to provide standby pumping redundancy for pump switchovers)	\$100,000.00	\$100,000.00
6	1	LS	NEW ELECTRICAL BUILDING (Work associated with the installation of a new detached, elevated and climate-controlled precast electrical building with new stairs, landings, air distribution system, lighting, MCC, automatic transfer switch, programmable logic controllers, human machine interface and communication equipment and as shown on the contract documents)	\$275,000.00	\$275,000.00
7	1	LS	LIFE SAFETY UPDATES TO SCREENINGS ROOM (Work associated with life safety features and miscellaneous improvements in the screenings room including the installation of new aluminum stairs, guardrail, handrail, grating, 6-inch camlock disconnect fitting, flexible vacuum hose, new HVAC system and as shown on the contract documents)	\$200,000.00	\$200,000.00
8	1	LS	SUMBERSIBLE PUMPS AND MECHANICAL UPGRADES (Work associated with the installation of two (2) 90-Horsepower dry-pit submersible horizontal Flygt pumps, pipe supports, associated piping and miscellaneous valves, reducers and appertenances, including two 12-inch butterfly valves, 12-inch knife gate valves and two rubber flapper check valves, as shown on the contract documents)	\$600,000.00	\$600,000.00
9	1	LS	MISCALLENIOUS ELECTRICAL, INSTRUMENTATION AND HVAC IMPROVEMENTS (All work associated replacement of the existing and exterior lighting with new LED fixtures, new HVAC ventilation system for the pump station upper and lower levels, new wall-mounted pullboxes, new JEA pad-mounted transformer, building-mounted antenna, associated duct banks, relocation of existing instrument communication panel and electrical connections to the new electrical building, testing, PLC programming and as shown on the contract documents)	\$1,470,000.00	\$1,470,000.00
				SUBTOTAL	\$4,045,000.00
4	1	LS	GENERAL CONDITIONS - (Max. 10% off Subtotal) (All related or miscellaneous work not covered under other items in this bid form necessary for a complete project as specified in the bid documents)	1%	\$40,450.00
5			ALLOWANCES		7/1/2022
5a	1	LS	Testing Allowance		\$10,000.00
5b	1	LS	Supplemental Work Authorization (SWA)		\$100,000.00
				TOTAL BID PRICE (transfer to Page 1 Appendix B - Bid Form)	\$4,155,404.50
					\$4,195,450.00

JSEB Overview		
Total Bid Price less General Conditions, SWAs, Allowances and Mob/Demob:	\$4,045,000.00	
JSEB Requirement (%):	5%	7/1/2022
JSEB Requirement (dollars):	\$202,250.00	



Formal Bid and Award System

Award #12 July 14, 2022

Type of Award Request: RENEWAL
Request #: 548
Requestor Name: Baker, Garry W, Sr Dir Energy Operations
Requestor Phone: 904-665-7145
Project Title: PCI Short & Long Term Costing Software
Project Number: 30701 (\$112,221.00 annually in July/August)
Project Location: JEA
Funds: O&M
Budget Estimate: N/A

Scope of Work:

This request is to execute a five year renewal period using the existing contract for continued use of the PCI Gen Trader optimization software package which includes maintenance, updates, hosting and annual fees, to schedule generating resources and its corresponding fuel portfolio. PCI Gen Trader is an analytical software package that is used to model JEA's generating and available purchase power resources. The software enforces operational and environmental constraints and optimizes JEA production costs to minimize costs and supports off system sales to other utilities. It is estimated the use of this software package saves JEA 3% of its annual production costs.

JEA IFB/RFP/State/City/GSA#:

Purchasing Agent: Lovgren, Rodney

Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
POWER COSTS INC.	Walter Hobbs	Walter@Powercosts.com	301 David L. Boren Blvd Suite 2000 Norman, OK 73072	(405) 801-3411	\$561,105.00

Amount of Original Award: \$470,857.00

Date of Original Award: 03/29/2012

Change Order Amount: \$561,105.00

List of Previous Change Order/Amendments:

CPA #	Amount	Date
120294	\$280,726.00	08/01/2013
120294	\$376,506.00	04/28/2016
120294	\$2,708.58	06/28/2018
183505	\$326,853.00	07/18/2019

New Not-To-Exceed Amount: \$2,018,755.58

Length of Contract/PO Term: 5 Years

Begin Date (mm/dd/yyyy): 07/30/2022

End Date (mm/dd/yyyy): 07/29/2027
Renewal Options: Annual Renewals
JSEB Requirement: N/A – Single Source
Comments on JSEB Requirements:

Background/Recommendations:

Originally awarded 03/29/2012, the Awards Committee approved a proprietary award for the purchase of Short Term & Long Term Production Costing Software from Power Costs, Inc with a perpetual license, to manage JEA generating and market resources, for a one (1) year period. The software developed by Power Costs, Inc. is industry standard and is the only one known that meets JEA's requirements. Pursuant to 3-112 Single Source of the JEA Procurement Code section (b) the Supplies or Services must be a certain type, brand, make or manufacturer due to the criticality of the item or compatibility within a JEA utility system, and such Supplies or Services may not be obtained from multiple sources such as distributors, making PCI Inc. the Single Source for this product. The Single Source documentation is attached.

On 08/01/2013, the Awards Committee approved a renewal for \$280,726.00 to extend the contract for a three year term for the maintenance and support services for the software.

On 04/28/2016, the Awards Committee approved a second change renewal \$376,506.00 to extend the contract for a three year term renew the maintenance and support services for the software.

On 06/28/2018, Supply Chain Management informally increased the contract by \$2,708.58 to cover an ah-hoc consulting request.

On 07/18/2019, the Awards Committee approved a third renewal to extend the contract for a three year term for services from 07/30/2019 through 07/29/2022 in the amount of \$326,853.00.

PCI GenTrader software is utilized across North America from large entities like FPL, Duke, Progress Energy, and Santee Cooper to smaller entities like Gainesville and OUC. The software price is based on a number of generation units, number of concurrent license users and the options configured by the software thus the price varies by utility. Utilities are paying hundreds of thousands of dollars, up to the million dollar range, for this software. Based on the cost of the software PCI charges JEA and other companies 20% of the software cost for maintenance for day service. Some entities pay 25% more for 24 x 7 coverage. Based on estimate from Technology Services JEA's hosting cost is very similar to the hosting service cost of Power Costs.

Executing this five (5) year renewal is in JEA's best interest as JEA is receiving fixed pricing for the term vs an annual increase of CPI plus three percent (3%) every year. We will also get access to the ancillary services (supports modelling, solar, wind, etc.) which will be integrated into the PCI Gen Trader services platform free of charge as part of the negotiations.

This request provides continued maintenance, updates, hosting and support services. As a part of this contract PCI will add extended ancillary services feature to support the integration of solar resources with the JEA fleet. This will increase JEA's maximum indebtedness by \$561,105.00. This is an annual cost of \$112,221.00. This cost increase (approximately 3%) is deemed reasonable in exchange for the fixed annual five (5) year term price.

Historical pricing for the software is shown below.

#	Description	8/2016- 7/2018 annual fees	7/2019 – 7/2022 annual fees	8/2022 – 7/2026 annual fees
1	PCI GenTrader	\$72,358.00	\$75,251.00	\$85,453.00
2	12 – Month Hosting	\$24,960.00	\$25,958.00	\$26,768

3	Gen Trader Multi-market mod	\$5,324.00	\$5,537.00	Rolled in line 1
4	Increase Model to 30 Units	\$2,120.00	\$2,205	Rolled in line 1
5	Annual Totals	\$104,762.00	\$108,951.00	\$112,221.00

Request approval to award a contract extension for a five (5) year renewal term to Power Costs Inc, for GenTrader software in the amount of \$561,105.00, for software, maintenance, updates, hosting and support for a new not-to-exceed amount of \$2,018,755.58, subject to the availability of lawfully appropriated funds.

Director: Garry Baker - Sr. Director Energy Operations

VP: Erixton, Ricky D. - VP Electric Systems

APPROVALS:

Chairman, Awards Committee **Date**

Budget Representative **Date**



Formal Bid and Award System

Award #6

April 28, 2016

Type of Award Request: CHANGE ORDER
Request #: 623
Requestor Name: Osborne, Robin R.
Requestor Phone: (904) 665-4593
Project Title: PCI Agreements - JEA/GRU Joint Dispatch short & long term production costing
Project Number: HE30701
Project Location: JEA
Funds: O&M
Award Estimate: \$376,506.00

Description of Request/Product Description:

Purchase of optimization software package called PCI Gen Trader to schedule generating resources and its corresponding fuel portfolio.

JEA IFB/RFP/State/City/GSA#: CPA 120294
Purchasing Agent: Nathan Woyak
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
POWER COSTS INC	Walter Hobbs	Walter@Powercosts.com	301 David L. Boren Blvd Suite 2000 Norman, OK 73072	(405) 801-3411	\$376,506.00

Amount of Original Award: \$470,857.00
Date of Original Award: 03/29/2012
Change Order Amount: \$376,506.00
List of Previous Change Order/Amendments:

CPA #	Amount	Date
120294	\$280,726.00	8/1/2013

New Not-To-Exceed Amount: \$1,128,089.00
Contract Type: Term Contract
Length of Contract/PO Term: Three (3) years

Begin Date (mm/dd/yyyy): 07/30/2016
End Date (mm/dd/yyyy): 07/29/2019
Renewal Options: No
JSEB Requirement: N/A
Comments on JSEB Requirements: N/A – Proprietary

AWARDEE:

Name	Amount	Disqualified
POWER COSTS INC	\$376,506.00	NO

Background/Recommendations:

On 3/29/2012, the Awards Committee approved a proprietary award for the purchase of Short Term & Long Term Production Costing Software from Power Costs, Inc., to manage JEA generating and market resources, for a one (1) year period. The software developed by Power Costs, Inc. is industry standard and is the only one known that meets JEA's requirements. On 8/1/13, a change order was made in the amount of \$280,726.00 for three years of additional funding for maintenance and annual fees to support this software through 7/29/2016. The original award and change order are attached as backup.

JEA and GRU have entered into an agreement with The Energy Authority (TEA) to provide/receive energy to/from Gainesville Regional Utilities (JEA-GRU Coordinated Dispatch). This agreement requires an enhancement to the PCI GenTrader software, which includes a new module, configuration and incremental update/support fees. The software enhancements and services from PCI necessary to support the JEA-GRU Coordinated Dispatch, represents \$62,220.00 of the total award amount. The additional software enhancements represent approximately 13% increase above the original purchase price. JEA has deemed the increase as reasonable based on the costs of similar services and the work involved. Amendment #2 is attached as backup.

The costs for Amendment 2 are summarized in the table below.

Amendment 2 Software Enhancements	One Time Costs
GenTrader Multi-market module perpetual license	\$26,620.00
Increase model size to 30 units	\$10,600.00
100 hours of PCI services (Used as need by JEA)	\$25,000.00
Amendment 2 Total	\$62,220.00

Also represented in this award is a three year extension for maintenance, support and hosting fees to support this software, from 7/30/2016 through 7/30/2019, which represents \$314,268.00 of the total award amount. This cost includes these services for JEA's normal support, plus additional maintenance and support services necessary to support the JEA-GRU Coordinated Dispatch. The cost per year of \$104,762.00 is fixed for the duration of the additional three (3) year term, and reflects a 12% increase over the previous three (3) year term. Amendment #3 is attached as backup.

Note, the 12% increase broken out shows a 4.4% increase over the last three (3) year term for normal services, plus a 7.6% (\$7440) increase to cover the increased support required by software enhancements. PCI will not bill JEA any support services until July 30, 2016. JEA has deemed this increase reasonable based on the costs of similar services and the work involved.

The costs for Amendment 3 are summarized in the table below.

Amendment 3 Software Support Services	Service Fees Due 7/30/16	Service Fees Due 7/30/17	Service Fees Due 7/30/18
PCI Gen Trader	\$72,358.00	\$72,358.00	\$72,358.00
12-month Hosting Services	\$24,960.00	\$24,960.00	\$24,960.00
GenTrader Multi-market module	\$5,324.00	\$5,324.00	\$5,324.00
Increase model size to 30 units	\$2120.00	\$2120.00	\$2120.00
Total Per Year	\$104,762.00	\$104,762.00	\$104,762.00
Amendment 3 Total	\$314,286.00		

It should be noted that GRU will be reimbursing JEA for half of the software enhancements estimated to be a one-time payment of \$31,110.00. They will also be required to cover half of the 7.6% increase for the support required to cover the enhancement mentioned above, estimated at \$3,720.00 annually.

Request approval to award a change order to Power Costs Inc. (PCI) for three years of PCI software, hosting, service fees and enhancements in the amount of \$376,506.00, for a new not-to-exceed amount of \$1,128,089.00, subject to the availability of lawfully appropriated funds.

Manager:

Director: Baker, W. Garry - Director Systems Operations

VP: Brost, Mike J. - VP/GM Electric Systems

APPROVALS:

Chairman, Awards Committee

Date

Manager, Capital Budget Planning

Date

End Date (mm/dd/yyyy): 07/29/2022
Renewal Options: NO
JSEB Requirement: N/A – Proprietary

AWARDEE:

Name	Amount	Disqualified
POWER COSTS INC.	\$326,853.00	NO

Background/Recommendations:

On 03/29/2012, the Awards Committee approved a proprietary award for the purchase of Short Term & Long Term Production Costing Software from Power Costs, Inc., to manage JEA generating and market resources, for a one (1) year period. The software developed by Power Costs, Inc. is industry standard and is the only one known that meets JEA's requirements.

PCI GenTrader software is utilized across North America from large entities like FPL, Duke, Progress Energy, and Santee Cooper to smaller entities like Gainseville and OUC. The software price is based on a number of generation units, number of concurrent license users and the options configured by the software thus the price varies by utility. Utilities are paying hundreds of thousands of dollars up to the million dollar range for this software. Based on the initial cost of the software PCI charges JEA and other companies 20% of the software cost for maintenance for day service. Some entities pay 25% for 24 x 7 coverage. Based on estimate from Technology Services JEA's hosting cost is very similar to the hosting service cost of Power Costs.

This request is for a new three (3) year proprietary award from 07/30/2019 to 07/29/2022 and \$326,853.00 in funds for PCI GenTrader Support, hosting services, GenTrader multi-market module and the incremental cost for the maintenance on the additional 30 units added in a previous amendment. JEA's annual cost has increased approximately 4% from \$104,762.00 fixed for the previous three (3) year contract term, to \$108,951.00 fixed for the next three (3) year term through 07/29/2022. This cost increase is deemed reasonable in exchange for the fixed three (3) year term price.

The costs for this award are summarized in the table below.

Software Support Services	Service Fees Due 7/30/19	Service Fees Due 7/30/20	Service Fees Due 7/30/21
PCI GenTrader	\$75,251	\$75,251	\$75,251
12-month Hosting Services	\$25,958	\$25,958	\$25,958
GenTrader Multi-market module	\$5,537	\$5,537	\$5,537
Increase model size to 30 units	\$2,205	\$2,205	\$2,205
Total Per Year	\$108,951.00	\$108,951.00	\$108,951.00
Total	\$326,853.00		

Request approval to award a contract extension to Power Costs Inc. (PCI) for three (3) years of PCI software, hosting, and service maintenance fees in the amount of \$326,853.00, subject to the availability of lawfully appropriated funds.

Manager:

Director: Baker, W. Garry - Director Systems Operations

VP: Anders, Caren B. - VP/GM Energy



Formal Bid and Award System

Award #7

July 18, 2019

Type of Award Request: PROPRIETARY
Request #: N/A
Requestor Name: Baker, Garry W, Sr Dir Energy Operations.
Requestor Phone: (904) 665-4593
Project Title: PCI Agreements – JEA Dispatch short & long term production costing
 PCI Gen Trader Software and Maintenance
Project Number: HE30701
Project Location: JEA
Funds: O&M
Award Estimate: \$360,000.00

Scope of Work:

This request is for the continued purchase of called PCI Gen Trader optimization software package, including maintenance and annual fees, to schedule generating resources and its corresponding fuel portfolio. PCI Gen Trader is an analytical software package that is used to model JEA's generating and available purchase power resources, enforces operational and environmental constraints and optimizes JEA production costs to minimize costs and supports off system sales to other utilities. It is estimated the use of this software package saves JEA 3% of its annual production costs.

This Service Contract will impact the following JEA Measures of Value:

- **Customer and Customer Value-** The tool does not support the reliability of the grid but certainly supports the economics of the system by optimization of production costs necessary to minimize costs and support stable fuel rates.
- **Financial Value-** Planned service contracts with fixed rates, decreases need to purchase ad hoc services at higher rates and provides switching cost avoidance. It is estimated the use of this software package saves JEA 3% of its annual production costs.

JEA IFB/RFP/State/City/GSA#: CPA - 120294
Purchasing Agent: Dambrose, Nick
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
POWER COSTS INC.	Walter Hobbs	Walter@Powercosts.com	301 David L. Boren Blvd Suite 2000 Norman, OK 73072	(405) 801-3411	\$326,853.00

Amount for entire term of Contract: \$326,853.00
Award Amount for the remainder this FY: \$108,951.00
Length of Contract/PO Term: Three (3) years
Begin Date (mm/dd/yyyy): 07/30/2019

Director: Young, Orrin W. - Dir Response & Environmental Programs
VP: Steinbrecher, Paul K. - VP & Chief Environmental Services Officer

APPROVALS:

 7/18/19

Chairman, Awards Committee **Date**

 07/18/2019

Financial Analyst, Capital Budget Planning **Date**



Formal Bid and Award System

Award #6 8/1/2013

Type of Award Request: CHANGE ORDER (PROPRIETARY)
Requestor Name: Taylor, Robin Rene
Requestor Phone: 904-665-4593
Request #: 2533
Project Title: Annual PCI software, hosting and service fees
Project Number HE30701
Award Estimate: \$280,726.00
Funds: O&M

Description of Request/Product Description:

Purchase of maintenance and annual support for software called PCI Gen Trader to schedule generating resources and its corresponding fuel portfolio.

Requisition Number: CPA 120294
JEA IFB/RFP/State/City/GSA #: N/A
Purchasing Agent: Nathan Woyak
Is this a Ratification? NO

If yes, explain:

Recommended Awardee(s)

Name	Address	Phone	Fax	Amount
Power Costs, Inc.	3550 W. Robinson St. Suite 200 Norman, OK 73072	405-447-6933	405-360-3713	\$280,726.00

Recommended Award Information

Amount of Original Award: \$470,857.00
Date of Original Award: 3/29/2012
Change Order Amount: \$280,726.00
Award Amount for initial year: \$93,576.00 (FY '13)
New Not-To-Exceed Amount: \$751,583.00
Length of Contract/PO Term: Three (3) years
Beginning Date: 7/30/2013
Ending Date: 7/29/2016
Renewal Options: NO

If Yes, please explain:

JSEB Requirement: N/A

Comments on JSEB Requirements: N/A - Proprietary

Awardee

Name	Amount	Disqualified	Reason
Power Costs, Inc.	\$280,726.00	<input type="checkbox"/>	

Background/Recommendation

On 3/29/2012, the Awards Committee approved an award for the purchase of Short Term & Long Term Production Costing Software from Power Costs, Inc. The software developed by Power Costs, Inc. is industry standard and is the only one known that meets JEA's requirements. This software replaced other software that was not meeting JEA's needs.

The PCI GenTrader software is utilized across North America from large entities like FPL, Duke, Progress Energy and Santee Cooper to smaller entities like Gainesville and Orlando. The software price is based on the number of generating units, number of concurrent users and the options configured by the software and thus the price varies by utility. Utilities are paying hundreds of thousands of dollars up to the million dollar range for this software. Based on the initial cost of the software, PCI charges JEA and other companies 20% of the software cost for maintenance that includes day service. Some entities pay 25% for 24 x 7 coverage. Based on estimates from Technology Services our hosting cost is very similar to the hosting service costs quoted by the supplier.

Power Costs Inc. is the only available company that supports this software. This request is for three years of funding for maintenance and annual fees to support this software.

Request approval to award a Change Order to Power Costs Inc. (PCI) for three-years of PCI software, hosting and service fees in the amount of \$280,726.00 for a total amount of \$751,583.00, subject to the availability of lawfully appropriated funds.

	Approver
Manager:	
Director:	Baker, William G (Garry)
VP:	Brost, Michael J (Mike)

APPROVALS:

Chairman, Awards Committee	Date
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Manager, Capital Budget Planning	Date
---	-------------



Formal Bid and Award System

Award #2 3/29/12

Type of Award Request: PROPRIETARY

Requestor Name: Taylor, Robin Rene

Requestor Phone: 904-665-4593

Request #: 2039

Project Title: Short Term & Long Term Production Costing Software

Project Number 8001318

Award Estimate: \$500,000.00

Funds: CAPITAL

Description of Request/Product Description:

Purchase of optimization software package called PCI Gen Trader to schedule generating resources and its corresponding fuel portfolio.

Requisition Number: 160287

JEA IFB/RFP/State/City/GSA #: N/A

Purchasing Agent: Nathan Woyak

Is this a Ratification? NO

If yes, explain:

Recommended Awardee(s)

Name	Address	Phone	Fax	Amount
Power Costs, Inc.	3550 W. Robinson St. Suite 200 Norman, OK 73072	405-447-6933	405-360-3713	\$470,857.00

Recommended Award Information

Amount for entire term of Contract/PO: \$470,857.00

Award Amount for initial year: \$470,857.00 (FY '12)

Length of Contract/PO Term: 1 year

Beginning Date: 4/15/2012

Ending Date: 4/14/2013

Renewal Options: No

If Yes, please explain:

JSEB Requirement: n/a
Comments on JSEB Requirements: Proprietary

All Bidders

Name	Amount	Disqualified	Reason
Power Costs, Inc.	\$470,857.00	<input type="checkbox"/>	

Background/Recommendation

JEA requires a software package that performs a full optimization of its generating resources and their corresponding fuel supplies. The software developed by Power Cost, Inc. is industry standard and is the only one known that meets JEA's requirements. A more detailed justification and scope is attached. This software will replace current software that is not meeting JEA's needs and will be configured to fit in with JEA requirements.

The GenTrader software is utilized across North America from large entities like FPL, Duke, Progress Energy and Santee Cooper to smaller entities like Gainesville and Orlando. The software price is based on the number of generating units, number of concurrent users and the options configured by the software and thus the price varies by utility. Utilities are paying hundreds of thousands of dollars up to the million dollar range for this software. Based on estimates from Technology Services our hosting cost is very similar to the hosting service costs quoted by the supplier.

Our current software's recurring costs are slightly less than this purchase, however, our current software does not have the same functionality and does not meet our needs.

First year's costs total \$470,857.00 and include the perpetual license fee, update and support fee, hosting services, proof-of-concept services and travel expenses.

Request approval to award a contract to Power Costs, Inc. for Short Term & Long Term Production Costing Software in the amount of \$470,857.00, subject to the availability of lawfully appropriated funds.

	Approver
Manager:	
Director:	Baker, William G (Garry)
VP:	Brost, Michael J (Mike)

APPROVALS:

Chairman, Awards Committee

Date

Director, Financial Planning, Budgets and Rates

Date

**PERPETUAL
SOFTWARE LICENSE AND
GENERAL SERVICES AGREEMENT
BETWEEN**

Power Costs, Inc.

AND

JEA

SOFTWARE LICENSE AND GENERAL CONSULTING AGREEMENT

This Software License and General Services Agreement ("Agreement") is made this 6th day of April 2012 ("Effective Date") between Power Costs, Inc., an Oklahoma corporation with a principal office at 3550 West Robinson, Suite 200, Norman, OK 73072 ("Licensor" or "PCI") and JEA, a Florida municipal corporation with a principal office at 21 W. Church St., Jacksonville, FL 32202, ("Licensee").

NOW THEREFORE, in consideration of the promises contained herein, the parties agree as follows:

1.0 Definitions

When used herein with initial capitalization, whether in the singular or in the plural, the following terms shall have the following meanings:

- 1.1 **Delivery Date:** The contractual date as agreed to by the parties and stated in the Agreement on which the Software shall be received at the Licensee site.
- 1.2 **Licensee Representative:** A Licensee employee designated to coordinate and approve the Software and to coordinate the performance of the Services.
- 1.3 **Named User:** Named User accounts are individualized and may not be shared or used by anyone other than the one employee or contractor to whom the Named User account is assigned. The identification of Named User must be unique to an individual and may not be of a generic nature or used by a group of individuals.
- 1.4 **Power System Model:** Within Software, a power system model is defined as a unique portfolio of generation positions within a region (generators, power contracts, fuel contracts, and transmission agreements). The single objective within Software is to maximize the system's profit (minimize loss) through the optimum use of the positions in the power system model.
- 1.5 **Seat:** The specified total number of concurrent sessions that can be run at any given time. Each concurrent session constitutes a Seat.
- 1.6 **Site:** A specific location of Licensee's facilities where the Software is used. Initially defined as Jacksonville, FL. Any change in Licensee Site shall require written approval from PCI. Such requested change shall not be unreasonably withheld.
- 1.7 **Software:** The Software is all computer programs in object code, machine-only readable form known as **GENTRADER®** as described in the attachment to this document.

1.8 Task Consulting: Work performed by PCI for Licensee under a mutually agreed Task Order.

1.9 Task Order: A document defining specific tasks to be performed by PCI for Licensee according to the terms for Task Consulting as defined herein.

1.10 Users: Users shall mean employees of the Licensee located at the Licensee Site and shall exclude employees and contractors of any acquisitions or mergers which occur after the date of this Agreement.

2.0 Document Priority

In the event of conflicting provisions between the following documents, the provisions shall govern in the following order: latest Change Order executed by both Parties and this Agreement.

3.0 Scope

PCI hereby grants to Licensee a non-transferable, non-exclusive, perpetual license to use the Software in accordance with the terms hereof. Software may be used in the normal course of business of Licensee for Licensee's portfolio by Users at the specified number of Seats. Licensee may not sell, assign or otherwise transfer the Software or the license, or sublicense the Software to any other entity.

For any Task Consulting, the scope of each task shall be defined in a Task Order for the task.

4.0 Ownership

PCI shall retain title to the Software and to all the documentation, data and information relating to the Software given by or disclosed to Licensee. PCI shall own and possess all rights, title, and interest in the Software. PCI expressly has the right to reproduce, publish, sell, license and distribute the Software to anyone. Licensee may not sell, transfer, assign, encumber or otherwise dispose of any Software or any of its rights under the Agreement. The Licensee shall be strictly prohibited from reverse engineering, modifying, decompiling, translating, disassembling, or otherwise attempting to derive source code from any part of the Software for any purpose whatsoever.

Except as otherwise provided in a Task Order, Licensee acknowledges and agrees that any and all deliverables provided as part of the Task Consulting, including, without limitation, any modification or enhancements to the Software, and any ideas, know-how or techniques relating thereto (the "Deliverables") shall be and remain the property of PCI. PCI grants Licensee a nonexclusive, nontransferable perpetual license to use such Deliverables for internal use only.

5.0 Delivery

In the case of Software installed at Licensee's Site, PCI shall deliver the Software to the Licensee by the Delivery Date. In the case of Software delivered under Hosted Services, PCI shall deliver remote access to the Software by the Delivery Date.

6.0 Task Consulting

- 6.1** Licensee may require Task Consulting services from PCI from time to time. PCI and Licensee shall execute a written Task Order for all Task Consulting services performed. Each Task Order shall describe the Scope of Services, Schedule, Deliverables, Licensee Responsibilities, Compensation, and any unique terms and conditions. Estimated time to complete, hourly rates, and estimated costs and expenses shall be set forth in each Task Order.
- 6.2** PCI shall perform the Task Consulting services described in each Task Order.
- 6.3** Licensee shall be responsible for all Licensee matters described in each Task Order.
- 6.4** Licensee shall pay PCI in accordance with each Task Order.
- 6.5** PCI shall exercise the same degree of care, skill, and diligence in the performance of the Task Consulting services as is ordinarily possessed and exercised by a professional consultant under similar circumstances. No other warranty, express or implied, is included in this Agreement or in any drawing, specification, report, or opinion produced pursuant to this Agreement.
- 6.6** PCI shall not be liable to Licensee for any special, indirect, or consequential damages resulting in any way from the performance of the Task Consulting services. PCI's total liability for a task shall not exceed PCI's compensation under the task.
- 6.7** Licensee and PCI waive all rights against each other and their respective directors, officers, partners, commissioners, officials, agents, subcontractors, and employees for any special, indirect, or consequential damages resulting in any way from the performance of Task Consulting.
- 6.8** PCI's opinions of probable cost and forecast schedules shall be made on the basis of PCI's experience and qualifications as a professional consultant. PCI does not guarantee that proposals, bids, or actual task costs will not vary from PCI's cost estimates or that actual schedules will not vary from PCI's projected schedules.

- 6.9** Licensee shall have the right to terminate a task for Licensee's convenience upon written notice to PCI, and PCI shall terminate performance of the task on a schedule acceptable to Licensee. In the event of termination for Licensee's convenience, Licensee shall pay PCI for all services performed and any related expenses incurred up to the date of termination.
- 6.10** It is understood and agreed that Task Consulting services of PCI will be performed by and through the employees of PCI with PCI determining the number and which employees will be scheduled to perform the Task Consulting services for Licensee.
- 6.11** It is understood by both parties that PCI is an independent contractor with respect to Licensee, and not an employee of Licensee for Task Consulting services. Licensee will not provide fringe benefits, including health insurance benefits, paid vacation, or any other employee benefit, for the benefit of PCI.

7.0 Warranty

- 7.1** PCI warrants that the Software will perform substantially in accordance with and in the manner described in the System Functional Design Specification, as shown in Exhibit C. This warranty shall extend for a period of 12 months after the Delivery Date provided that: (a) the Software is not modified, changed, or altered by anyone other than PCI, unless authorized by PCI in writing; (b) the error or defect is not caused by change in the computer equipment (including operating system software) on which PCI installed the Software; (c) the computer equipment is in good operating order and is installed in a suitable operating environment; (d) the error or defect is not caused by Licensee, its agents, servants, employees, or contractors, or any third parties; (e) Licensee promptly notifies PCI of the error or defect after it is discovered; and (f) all fees due at the time to PCI have been paid. THERE ARE NO OTHER WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS AGREEMENT, THE SOFTWARE, OR ANY SERVICES OR GOODS PROVIDED BY PCI TO LICENSEE IN CONNECTION WITH THE SOFTWARE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR A CONFORMITY TO ANY REPRESENTATION OR DESCRIPTION. Licensee represents that it accepts sole responsibility for: (a) the selection of the Software to achieve Licensee's intended results; (b) its use; and (c) the results obtained from the Software and Software Documentation. LICENSEE'S SOLE AND EXCLUSIVE REMEDY and PCI's only obligation under this warranty is to correct all software errors in the most recent release to operate substantially in accordance with the PCI's then-current function for the Software. Under no circumstances shall PCI be liable for any loss, cost, expense, or damage

to Licensee in an amount cumulatively exceeding the license fee for the Software actually paid by Licensee. Any action by Licensee for breach of this Agreement must be commenced in accordance with the statutes of limitations as specified by Florida Statutes.

- 7.2** PCI warrants that the Software is legally owned by, or has been developed by PCI or that PCI is authorized to distribute the Software. PCI shall, at its own cost, defend, indemnify, and hold harmless Licensee, its officers, employees, agents, assigns, and successors in interest from and against any and all liability, damages, losses, claims, demands, actions, causes of action, costs including attorney's fees and expenses, or any of them arising out of third party claims to ownership of the Software.

8.0 Confidentiality

It is anticipated by the parties hereto that either party may acquire Confidential Information concerning the other party. For purposes of this Agreement, "Confidential Information" shall mean all information, regardless of the form in which it is communicated or maintained (whether oral, written, or visual) including knowledge of the business, trading practices, financial structure, operations and fiduciary relationships of the other party as well as product design information, pricing structures, source code, object code, copyrights, trademarks, patents, and all reports, analyses, notes or other information that are based on, contain or reflect any such Confidential Information. Both parties agree to hold and maintain the Confidential Information of the other party in strictest confidence and in trust and shall use such Confidential Information only for the specific purpose for which it was disclosed or delivered. Without the prior written consent of the Disclosing Party (the party that discloses Confidential Information), a Receiving Party (the party that receives Confidential Information) will not disclose Confidential Information to any third party. The obligation to maintain the confidentiality of the Confidential Information as provided hereunder shall survive the termination of this Agreement. The parties hereby acknowledge that the Disclosing Party would not have an adequate remedy at law for money damages if the covenants contained in this provision were breached. Accordingly, the Disclosing Party shall be entitled to an injunction restraining the recipient of the Confidential Information from violating this provision.

9.0 Payment Default

- 9.1 License Fee default:** PCI may terminate this Agreement and Update and Support Service in the event that Licensee shall fail to pay any License Fees due hereunder, which failure to pay is not cured within thirty (30) days from the due date of such fees.

In the case of termination when Software is installed at Licensee's Site, Licensee shall deactivate the Software and all copies of the Software shall be returned to PCI and no further use of the Software by the Licensee is allowed.

In the case of termination when Software is delivered under Hosted Services, PCI shall deactivate the Software and no further use of the Software by the Licensee is allowed

9.2 Hosted Services Fee default: PCI may terminate Hosted Services in the event that Licensee shall fail to pay any Hosted Services Fees due hereunder, which failure to pay is not cured within thirty (30) days from the due date of such fees. Any termination of Hosted Services shall not terminate Licensee's license to the Software or any other service provided under the Agreement.

9.3 Update and Support Fee default: PCI may terminate Update and Support Services in the event that Licensee shall fail to pay any Update and Support Fees due hereunder, which failure to pay is not cured within thirty (30) days from the due date of such fees. Any termination of Update and Support Services shall not terminate Licensee's license to the Software or any other service provided under the Agreement.

10.0 Fees and Payment Terms

All Update and Support Fees, License Fees, Hosted Services Fees and payment terms for the Software or for optional Hosted Services are as specified in Exhibit A attached to this Agreement. Licensee shall pay all fees within 30 days from the date for receipt of the invoice. Invoice shall be sent to following address:

JEA Accounts Payable

P.O. Box 4910

Jacksonville, FL 32201-4310

11.0 Audit Rights

Licensee shall maintain such books, records, and accounts as are necessary to account for the use of the Software. Licensee agrees to provide PCI full access to such books, records, and all computers or servers running the Software during normal business hours. In the event that an audit reveals use of the Software to be inconsistent with the terms of the Agreement, additional License Fees and Update and Support Fees shall be due to PCI, such amount shall be paid to PCI within thirty (30) days of the date of notice of the error.

12.0 Consequential Damages

Neither Licensee nor PCI shall be liable to the other for any indirect, incidental, punitive, exemplary, special or consequential damages including, but not limited to, loss of anticipated profits, loss of use of or under utilization of labor or facilities, cost of replacement power and claims from customers, resulting from a party's performance or

nonperformance of its obligations under the Agreement, or in the event of termination of the Services in accordance with the task order.

13.0 Notices

Any legal notices pertaining to the Agreement shall be (i) in writing and delivered or sent registered mail, postage prepaid, to Licensee (attention Garry Baker and Heather Burnett), or to PCI (attention Chief Financial Officer), at its address stated in the Agreement and effective when received.

14.0 Publicity

Neither PCI nor Licensee shall issue a release for publication of any articles or advertising or publicity matter relating to the work performed hereunder or implying the nature of the other party without the prior written consent of such other party, which consent shall not be unreasonably withheld. It is understood and agreed that, PCI shall reference the implementation of the Software at Licensee's site in customer reference lists.

14.0 Marketing Cooperation

Licensee agrees to host potential clients for PCI at Licensee's site. Such visits shall be by mutually agreed scheduling and shall not exceed four (4) visits per calendar year unless otherwise mutually agreed. The nature of such visits is (subject to the commercial discretion and judgment of Licensee) to demonstrate limited portions of the Software and associated integration work, and to answer potential client questions regarding the usefulness of the Software and nature of services rendered by PCI.

15.0 Taxes

The payments payable under the Agreement shall not be construed to include local, state or federal sales, use, excise, personal property or similar taxes or duties ("Taxes"). Any such Taxes, other than taxes based on the net income of PCI, shall be assumed and paid for by Licensee.

16.0 New York Law

This Agreement and the performance hereunder shall be governed by and construed in accordance with the laws of the State of New York.

17.0 Severability

If any provision of this Agreement shall be held to be invalid, illegal or unenforceable, the validity, legality, or enforceability of the remaining provisions shall be in no way affected or impaired thereby and shall remain in full force and effect.

18.0 No Waiver

Failure of either party to exercise in any respect any of the rights provided for herein shall not be deemed a waiver of any right hereunder.

19.0 Assignment

This Agreement and the rights and duties hereunder shall not be assignable by either party except upon the written consent of the other party which consent shall not be unreasonably withheld.

20.0 Update and Support Services

20.1 Subject to Section 7.0 and upon payment of the applicable Update and Support Fee, Update and Support Service shall include the following:

- a. Telephone service for Licensee to notify PCI of errors in the Software and for Licensee to receive consulting on the proper or recommended methods of utilizing the Software Monday through Friday 8:00 a.m. to 5:00 p.m. Central time during normal business hours;
- b. PCI will use its best efforts to promptly confirm the existence of and correct errors in the most recent release of the Software if Licensee notifies PCI of the same.
- c. Periodic updates of Software modifications applicable to the modules which have been licensed.
- d. Update and Support Services shall include non-major ISO mandated changes excluding major application rewrites, data restructures, and additional modules.

The level of effort assumed for Update and Support Service is based on the following assumptions:

- a. Problems and resolutions are handled by a single point of contact designated by the Licensee.
- b. Licensee is using the Software on one Power System Model.
- c. Licensee shall allow PCI support staff to access Licensee machines and application servers via WebEx or equivalent method when necessary for Software problem diagnosis.
- d. PCI shall support the immediately preceding release of the respective software modules licensed by Licensee for up to 12 months after the issuance of a new release of the same modules. After the said 12 months, PCI shall have the option to discontinue its support of the former releases or assess additional Update and Support Fee for the support of the former releases. Subject to the

parameter set forth in this Section, PCI shall not support more than one version of the Software modules licensed by Licensee at any given time.

- e. Normal support does not cover correcting errors or ISO updates in the former releases if such errors have already been corrected or ISO updates have been incorporated in a later release.
- f. IT consulting on how to use the PCI API library will be billed on a time and material basis.

While these assumptions are not intended to restrict the use of the Software, extended use beyond these parameters may warrant additional fees for extended Update and Support Services.

20.2 Update and Support Service shall be mandatory for the 12-month period commencing on the Delivery Date and shall be optional thereafter.

20.3 Annual renewal of Update and Support Service

Update and Support Fee for the first year shall be at an amount set forth in Exhibit A. PCI may increase subsequent annual Update and Support Fee from time to time. Such increase, however, may not exceed the product of (a) the most recent 12-month change in Consumer Price Index – All Urban Consumers (CPI) at the time of such increase plus 3% and (b) Annual Update & Support Fee for the immediately preceding 12-month. Additional support service, such as more than one point of contact or more than one system model may be provided for additional fees. Update and Support Service shall renew upon Licensee's payment of the Annual Update and Support Fee invoice which is due net 30 days after date of invoice. If Licensee chooses to not pay the invoice, then the services will be terminated in accordance with this Agreement.

20.4 Reinstatement

If Licensee terminates Update and Support Service in accordance with the provisions of this Agreement, Licensee may reinstate such service at a future date if Licensee gives PCI written notice of its intent to exercise such right and pays the lapsed annual Update and Support Fee(s). If Update and Support Service is suspended by PCI due to Licensee non-payment, Licensee will continue to be charged the applicable Update and Support Fee during any period of suspension.

21.0 Hosted Services

If specified in Exhibit A, PCI shall provide Hosted Services for the Software as defined in this section "Hosted Services" and its subsections. Hosted Services constitutes a hardware platform remote from Licensee's Site on which the Software is installed for access

by Licensee's Users. Hosted Services shall include complete system administration, database administration, and all aspects of Software installations and upgrades.

- 21.1** The hardware configuration provided is as specified in Exhibit A.
- 21.2** As part of the Hosted Services, PCI shall apply all Software updates and provide IT and database administration. The IT and database administration provided by PCI shall consist of:
 - a. Operating system, database and WebLogic patches, updates, and upgrades
 - b. Operating system and database backups
 - c. System, database and local network monitoring
 - d. Operating system, database, local network security
 - e. Operating system, database and local network troubleshooting and error resolution
 - f. Internet availability monitoring
 - g. Hosted User account administration
 - h. Performance Tuning
- 21.3** If Licensee requires hardware in addition to that specified in Exhibit A, or requests additional software or services beyond that specified in this section, additional fees may be required.
- 21.4** Licensee will monitor the operation of the Software and notify PCI if tasks and interfaces are not functioning properly. For those functions under Licensee's control, and as directed by PCI, Licensee will take the recommended remedial actions to correct malfunctions in the tasks and interfaces.

22.0 Non-Hire

Each party recognizes that the other party has incurred and will incur significant expenses in training its own employees and agrees that it will not pursue or hire, without the other party's consent, the other party's employees or the employees of its subsidiaries or affiliates for a period ending on the second anniversary of the termination date of this Agreement.

23.0 Entire Agreement

Each party acknowledges that it has read this Agreement, understands it, and agrees to be bound by its terms and further agrees that it is the exclusive and complete statement of the Agreement between the parties hereto and supersedes all prior proposals, understandings and agreements, whether oral or written, relating to the subject matter hereof. This Agreement may not be modified except by written instrument duly executed by both parties.

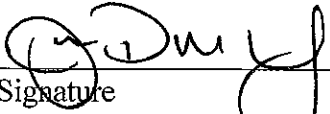
IN WITNESS WHEREOF, the Licensor and Licensee have duly executed this Agreement.

LICENSEE

LICENSOR

JEA

Power Costs, Inc.



Signature

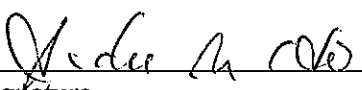
John P. McCarthy, Director
JEA Procurement Services

Printed Name
Chief Procurement Officer

Title

4-11-12

Date



Signature

Sandy B. Ho

Printed Name

Chief Financial Officer

Title

4-6-2012

Date

Exhibit A
License Fees and Payment Terms

Perpetual License fee	\$333,214
<ul style="list-style-type: none">• PCI GenTrader• Short-term Studies (up to 1 month)• Long-term Studies (up to 30 years)• Fuel Constraint feature• Combined-cycle feature• Extended Options feature• 3 Seats• Portfolio size of up to 25 units	
Update and Support Fee	\$66,643
for licensed Software and modules listed herein for a period of 12-month from the Delivery Date	
Optional Hosting Services	\$2000 per month
<ul style="list-style-type: none">• Dual quad-core server• 24 GB memory• 500 GB storage• Microsoft Excel for 5 named users• Oracle database license for 20 named users (5 reserved by PCI Admin)• IT and database administration services• Invoicing shall be annually in advance	

Terms: Upon completion of the 45-day Proof-of-Concept defined in Task Order 1 (attached), JEA may choose to accept or reject the Software. Should JEA choose to accept the Software, the above fees shall be due at that time. Should JEA choose not to accept the Software, the fees are not due, the Software will be uninstalled, and this Agreement will be terminated.

NOTE: License fees listed above are based on portfolio of 25 generators or less. Additional license fees shall be due and payable when portfolio exceeds 25 generators.

Licensee's Maximum Indebtedness under this agreement shall not exceed **\$470, 857.00**. This Agreement, after the initial year shall be contingent upon the existence of lawfully appropriated funds for each subsequent year of the Agreement.

Travel Expenses

Travel expenses for on-site services, including installation and initial training, shall be paid by Licensee in accordance with Licensee's Contractor's Travel Policy which is attached as Exhibit D

Exhibit B
Consulting Services Rates

Position	Standard Rate (\$/hr)
Vice President	\$300
Director	\$275
Senior Consultant; Project Manager	\$250
Senior Application Engineer; Senior Analyst; Consultant;	\$200
Analyst	\$175

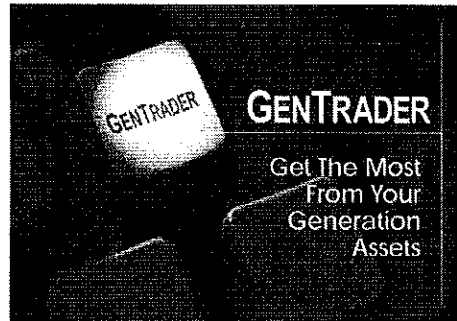
The above Hourly Rate may be revised from time to time by PCI by providing written notice to Licensee.

Exhibit C
System Functional Design Specification

Document(s) attached:

- PCI GenTrader® Functional Specification

PCI Functional Specification



PCI GenTrader® Functional Specification

Status	Approved
Effective Date	March 8, 2012
Products	PCI GenTrader
Markets	All
Release	N/A

Summary: This document provides the functional specifications for PCI GenTrader®.

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Power Costs, Inc.
3550 W. Robinson, Suite 200
Norman, OK 73072
phone: 405-447-6933
fax: 405-360-3713



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1 GENTRADER OVERVIEW

GENTRADER and its optional modules are designed to help energy companies manage generation assets. It focuses on three objectives: asset optimization, asset valuation, and risk management of asset portfolios. Being able to evaluate asset positions over a period ranging from one hour to thirty years with the same algorithm and software environment, **GENTRADER** ensures consistency in the evaluation process.

GENTRADER encompasses several important breakthroughs in optimization and simulation technology that make it *the* premier generation management tool on the market today.

GenTrader's Advanced Features include:

- ▶ Best-of-breed integrated Sequential Bidding and Mixed Integer Programming (MIP) commitment algorithms
- ▶ Multi-constrained fuel model
- ▶ Selection of an optimum portfolio from many proposed contracts
- ▶ NO_x emission constraints and SO₂ and other emission price adders
- ▶ Tightly coupled unit commitment and limited fuel/emission optimization
- ▶ Inclusion of long-term resource constraints in short-term optimization
- ▶ Long-term constrained production simulation by recursive adaptation

This document explicitly lists all the functional capabilities of this product. Functionalities not specifically described are not included in the product.

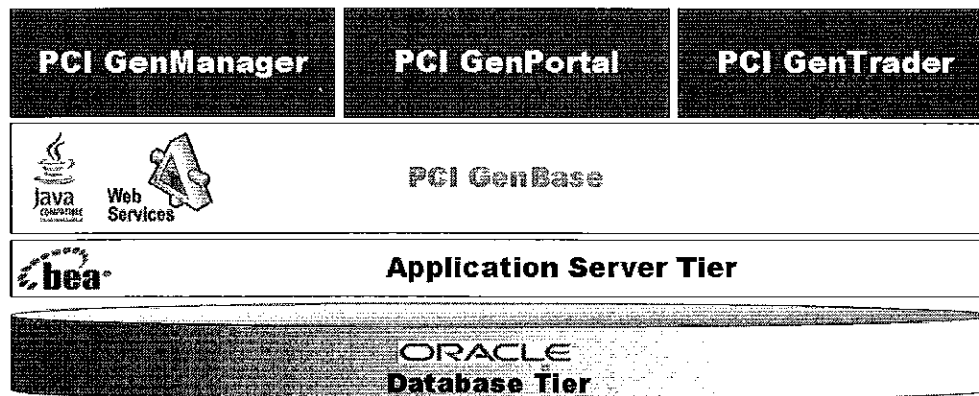


Figure 1 PCI Product Suite

1.1 Product Architecture

GenTrader offers rich features that allow the user to perform a variety of studies.

1.1.1 Base Product

The base product of GenTrader includes the following modules:

- ▶ *Asset-Based Commodity Arbitrage Model* – Can optimize generation asset schedules to take advantage of arbitrage opportunities that exist in commodity markets (e.g. energy, spinning reserve, gas, coal, oil, etc.).
- ▶ *Generation Asset Model* – Allows the user to model complex physical operating constraints of generation assets, such as minimum up time and down time, multi-point non-linear incremental heat rates, ramp rates, high/low dispatch limits, spinning reserve capabilities, emission characteristics.
- ▶ *Trading Position Model* – Allows the user to model physical long or short positions of forward or option commodity contracts. Trading positions and asset positions are optimized as a single portfolio.
- ▶ *Purchase/Sale Market Structure* – Allows the user to input both "bid" and "ask" prices to define a commodity market.
- ▶ *Graphical User Interface (GUI)* – Allows the selection of increasing levels of detail at the user's option; quick pricing studies or detailed analysis studies can be performed without hindering the user with too much or too little information.
- ▶ *Case Comparison* – Allows the user to view detailed differences between two designated studies.
- ▶ *Data Import* – Provides the ability to initialize study cases from available external data via a COM-based API.
- ▶ *Data Export* – Provides flexibility in customizing and sharing study results by transferring outputs to an external relational database manager or using the API.
- ▶ *Multi-Processor Launch Control* – Creates an environment in which a multiprocessor workstation can be exploited to simultaneously solve pieces of a study. It also supports a client-server relationship in which a computer other than the user's own platform may perform processing.

1.1.2 Optional Modules

The following optional modules offer extended capabilities to perform energy and ancillary services co-optimization, hydro thermal coordination, and risk analysis:

- ▶ *Multi-Market Transmission Dispatch Model* – Allows the user to define multiple commodity markets and specify transmission/transport tariffs and transfer capabilities between any purchase and sale markets.
- ▶ *Emissions Coordination Model* – Coordinates available NO_x allowances and the allowance markets as limited system resources. This model also economically dispatches units taking into account SO₂ prices and emission rates of generators.
- ▶ *Constrained Fuel Coordination Model* – Handles multiple limited fuel resource constraints.

- ▶ *Long-Term Monte Carlo Model* – Performs detailed long-term resource allocation (e.g. fuel budgeting, maintenance) and production costing studies considering the effects of forced unit outages.
- ▶ *Stress Test Module* – Allows the user to easily generate market price scenarios to analyze how a portfolio's profit and loss would behave under certain market conditions.
- ▶ *Stochastics Module* – Uses Monte Carlo simulation to capture the effects of multiple correlated risk drivers on a position or a portfolio. It can generate a probabilistic distribution of profit and loss for each position as well as the entire portfolio. It uses advanced sampling techniques to minimize the number of samples and computation time required.
- ▶ *Extended Ancillary Services Module* – Provides for four additional ancillary services beyond the spinning reserve model in the base software.
- ▶ *Pumped Storage Hydro Module* – Coordinates the thermal and contract resources with the pumping and generating capability of pumping storage reservoirs. The objective function is to maximize profit and/or minimize cost.

1.2 Product Applications

GenTrader is used to support operations of various energy companies in today's dynamic and competitive business environment. GenTrader supports the following company types and the applications listed for each:

1.2.1 Applications for Energy Marketing and Trading Companies

- ▶ Maximizing profit
- ▶ Managing operations of generation assets
- ▶ Managing risks of generation asset portfolios
- ▶ Trading energy in pools and bilateral markets

1.2.2 Applications for Generation Companies

- ▶ Maximizing profit
- ▶ Owning and acquiring generation assets
- ▶ Operating and maintaining generation assets
- ▶ Marketing available generation through contracts

1.2.3 Applications for Regulated Utility Companies

- ▶ Minimizing cost
- ▶ Managing native generation assets
- ▶ Serving native load requirements
- ▶ Making Incremental market purchases/sales

1.3 Functional Applications

GenTrader can support the following types of functional applications:

1.3.1 Short-Term Generation Scheduling

GenTrader can be used to develop a detailed generation schedule for every position in a generation asset portfolio.

- ▶ Allows creation of schedules to capture market opportunities and meet contractual obligations.
- ▶ Supports applications having a typical operational scheduling horizon ranging from several hours to a month.
- ▶ Supports applications including but not limited to:
 - ▶ Bidding generation assets into a power pool
 - ▶ Scheduling generation to meet a load obligation while satisfying fuel constraints
 - ▶ Identifying profitable purchase/sale opportunities
- ▶ **Fuel and Emission Constraints:** All fuel and emission resource constraints must be defined over intervals that are contained in the short-term operational scheduling horizon.
- ▶ **Unit Availability:** Unit availability is assumed to be known.
- ▶ **Uncertainty:** Uncertainty is usually captured by performing scenario analysis through the Stress Test module.

1.3.2 Coordinated Long-term/Short-term Generation Scheduling Applications

Background: Electric power systems often have longer-term resource constraints (e.g., an annual take-or-pay gas contract or an annual SO₂ emission allowance limit that cannot be directly defined over a short-term operational scheduling horizon). In such cases, these longer term resource constraints must be taken into consideration when making decisions affecting the short-term operational scheduling horizon.

- ▶ GenTrader supports the definition of a Resource Horizon which extends beyond the Study Horizon.
- ▶ GenTrader evaluates the Resource Horizon first, and its conclusions on extended period resource allocation are used to drive the short-term study solution accordingly.

1.3.3 Operational Planning Applications

Background: In operational planning applications, the study horizon is usually longer than a typical short-term scheduling horizon, and the associated future uncertainty must be appropriately modeled. The challenges in this type of study are to adequately model unplanned unit outages, to observe long-term and short-term constraints, and to preserve a high level of modeling accuracy without creating an unmanageably large problem.

GenTrader applies a unique methodology to the planning problem.

- ▶ With the objective of mimicking system operation, the Long-Term Monte Carlo model performs a series of weekly decisions which are based on the allocations of long-term (e.g., annual) resources for the remainder of the horizon at that point in the study.
- ▶ "Smart" Monte Carlo sampling is used to capture the effects of unplanned outages in each simulation week and then the remainder of the study horizon is assessed to adaptively reallocate resources for the next simulation week if necessary.
- ▶ This methodology of performing a sequence of weekly operational simulations will at once capture the adaptive nature of system operation and provide statistically accurate expected values for resource consumption over the study period.
- ▶ An important benefit of this methodology is the use of the same model for long-term analysis and for short-term optimization.

1.3.4 Asset Valuation

Background: Generation assets often carry significant operational flexibility (or optionality) as well as complex constraints. In estimating the value of a generating unit, it is crucial to explicitly account for the value of optionality and the costs of constraints in a volatile market.

GenTrader captures the operation flexibility and constraints, and the optional Stochastics module simulates the volatility of markets. Together they can value generation assets as complex options and produce a detailed asset payoff distribution that goes to the core of the asset valuation questions.

1.3.5 Portfolio Valuation

Background: Risk managers are interested in the risk exposure of the entire portfolio. If a portfolio includes contract positions as well as asset positions, assessing the portfolio risk will be quite challenging because asset positions often exhibit complex payoff characteristics (e.g. highly non-linear).

Since GenTrader simulates the operation of generation assets and forward and options contracts, it can model the non-linear payoff characteristics of a complex portfolio and therefore accurately capture the portfolio risk.

2 MODEL DESCRIPTIONS

2.1 Asset-Based Commodity Arbitrage Model

Background: Arbitrage modeling requires the application of optimization theory to discover potential arbitrage opportunities. In the area of asset optimization, the process is often referred to as "**unit commitment**" – how to determine the best startup and shutdown sequence for each generator and then to economically dispatch committed system resources to maximize overall profit while meeting contract obligations, if any.

The challenge of developing a robust unit commitment algorithm lies in the complex nature of the commitment problem. Several non-linear constraints and discrete state decisions must be coordinated without becoming subject to infeasibility or non-convergence.

2.1.1 Traditional Approaches

Background: Two traditional approaches to the commitment problem are prevalent in the industry today, namely **Dynamic Programming** (DP) and **Lagrangian Relaxation** (LR). Other variants such as branch-and-bound are subsets of these two basic approaches.

- ▶ **Dynamic Programming** was first applied to the unit commitment problem in the 1960's and from the start was plagued with "the curse of dimensionality". Since DP theory proposes to form all possible generator combinations (states) in each hour (stage) of the solution in its search for optimality, the size of the formulation grows to unmanageable level (both in memory requirements and in execution time) very quickly.

Much development has been invested in the industry to truncate the problem to a reasonable size. However, unless the truncation logic is carefully adapted to a particular set of load, interchange, and unit data the optimal path may be inadvertently discarded.

- ▶ **Lagrangian Relaxation** as applied to unit commitment became popular in the 1970's and 80's. LR coordinates the total committed capacity and energy via "price signals" known as Lagrangian multipliers. At each iteration, the capacity and energy are summed and then the multipliers are adjusted up or down to induce a change in those totals in the next iteration. Because of the decomposition of the problem, LR can execute very quickly.

The disappointment in this method came with the realization that discrete unit decisions may respond poorly to system-wide price signal changes. For example, a small decrease in prices to lower system energy output may cause the decommitment of a large generator in the next iteration and bring a corresponding energy and capacity deficiency.

2.1.2 The GenTrader Approach

GenTrader utilizes best-of-breed technology to solve various optimization problems. The optimization algorithm integrates both "Sequential Bidding", developed by Dr. Fred N. Lee (Founder and President of Power Costs, Inc.) as a result of many years of research, and the latest advances in Mixed Integer Programming (MIP) to achieve the performance and solution quality required in today's competitive environment.

- ▶ Sequential Bidding/MIP formulations are seamlessly integrated to exploit the strengths of each algorithm in solving extremely large and complex optimization problems.
- ▶ Sequential Bidding exploits the problem's structure in its formulation to reduce the solution space. The "bidding" process allows for efficient identification of objective-enhancing resources.
- ▶ MIP formulation and solvers perform the focus search using branch-and-cut algorithms.
- ▶ The combination of these technologies enables GenTrader to meet the performance and robustness objectives.

2.2 PCI Thermal Generation Asset Model

PCI's Thermal Generation Asset Model supports the following asset constraints/considerations:

- ▶ System load, reserve, and net interchange requirements
- ▶ Unit must-run and must-off constraints
- ▶ Unit minimum up time and minimum down time constraints
- ▶ Unit initial operating status
- ▶ Crew constraints
- ▶ Multi-hour unit MW startup profile
- ▶ Separate unit startup fuel
- ▶ Unit startup MBtu as a function of hours offline
- ▶ Hourly fuel price (\$/MBtu)
- ▶ Piecewise linear incremental heat rates curves
- ▶ Unit hourly emergency MW capacity
- ▶ Unit hourly high and low dispatch limits
- ▶ Unit hourly maximum spinning reserve limit
- ▶ Unit ramp rate
- ▶ Variable O&M costs (per MBtu, MWh, hour)

2.2.1 Arbitrage Opportunities between Fuel Markets and Power Markets

- ▶ GenTrader supports generate arbitrage opportunities between fuel markets and power markets.
- ▶ GenTrader will accommodate all physical constraints specified above in the solution unless the constraints are such that no feasible solution can be found.

2.2.2 Spinning Reserve Market

Background: The presence of a spinning reserve market may dramatically enhance the revenues attainable from a generation portfolio. A generating unit has the option to produce energy or spinning reserve.

GenTrader trades off between energy production and reserve production that may become mutually exclusive in many cases in order to maximize arbitrage profit.

2.3 Trading Position Model

Background: Trading can often enhance the value of assets when asset positions and trading positions are optimized as a single portfolio. The **Trading Position Model** uses the same optimization algorithm as the Generation Asset Model. Trading positions can be viewed as simplified asset positions. By treating trading positions and asset positions in the same way, GenTrader can accurately capture the interaction among all positions in a portfolio.

- ▶ GenTrader enables positions and trading positions to be optimized as a single portfolio.
- ▶ GenTrader accurately captures the interaction among all positions in a portfolio.
- ▶ GenTrader allows users to model the following types trading positions and contracts:
 - ▶ Long or short forward contracts in energy
 - ▶ Long or short forward contracts in reserve
 - ▶ Long or short options contracts in energy
 - ▶ Long or short options contracts in reserve
 - ▶ Long or short fuel contracts
- ▶ Option contracts are capable of having the following attributes:
 - ▶ Exercise mode: hourly, daily, weekly, or contract (single)
 - ▶ Option type: simple strike or swing
 - ▶ Swing option parameters: hourly high/low dispatch limits, simultaneous energy limits on hourly, daily, weekly, seasonal or contract duration
 - ▶ Profit margin: minimum saving_or profit for an option to be exercised
 - ▶ Reserve contribution: firm or non-firm
- ▶ Fuel contracts have similar but more complex attributes than energy option contracts and they are discussed in detailed under the section "Constrained Fuel Coordination."

2.4 Purchase/Sale Market Structure

Background: Commodity markets are defined by forward price curves.

GenTrader accommodates multiple commodity markets as well as multiple markets of the same commodity.

- ▶ Each commodity market requires two forward price curves, one for purchase (ask price) and another for sale (bid price).
- ▶ All forward price curves are able to carry resolution down to the sub-hourly level.

2.5 Multi-Market Transmission Dispatch Model

Background: A user may wish to model power transmission and fuel transportation paths as well as tariffs due to physical or contractual requirements or limited market access. A traditional approach to these issues has been to build a discrete multi-area model with limitations on transfer capabilities among areas. This type of formulation often can supply satisfactory results for a particular topology and may or may not be elaborate enough to consider the incremental cost effects of tariffs.

GenTrader models transmission costs and limits as constrained resources to be allocated during the optimization process. During solution, one global unit commitment and dispatch problem is solved for all resources, while being driven to a transmission constrained solution via dispatch price calculations. This method will search for an optimum as opposed to a post-processed estimate of the effects of transmission fees.

The user can readily modify connectivity among Purchase and Sale Markets as well as the parameters describing the transmission models between markets. The user can also assign new transaction opportunities to an existing Purchase or Sale market, or to a new market with unique transmission delivery parameters.

Such an approach prevents users from being locked into a fixed configuration multi-area representation which, given rapid changes in power industry modeling requirements, is no longer a desirable situation.

- ▶ The *Transmission Dispatch* model incorporates the following features:
 - ▶ User-defined Purchase Markets (each generator and each purchase is assigned)
 - ▶ User-defined Sale Markets (each load and each sale is assigned)
 - ▶ Reserve requirements defined by Sale Market
 - ▶ User-defined connectivity among Purchase and Sale Markets
 - ▶ Transmission model fixed tariff component (\$)
 - ▶ Transmission model variable tariff component (\$/MWh)
 - ▶ Transmission model minimum and maximum flow by hour (MW)
 - ▶ Transmission model penalty factor by hour
 - ▶ Transmission model switch to allow reserve-sharing
 - ▶ User-defined reporting regions for output

- ▶ The *Multi-Market Transmission Dispatch Model* can cope with unanticipated future requirements in that it is flexible and user-changeable as well as relatively simple at the user interface level.

2.6 Emission Coordination Model

GenTrader provides the ability to determine the optimal operational schedule to meet economic SO₂ and NOx allowance consumption and to optimally observe multiple NOx emission constraints.

2.6.1 SO₂ Model

GenTrader's SO₂ Model functions are described below:

- ▶ The SO₂ model uses a fuel "Sulfur content" factor from each fuel source, a unit conversion curve relating MBtu of fuel consumed to tons of SO₂ produced, and a unit removal (scrubbing) factor to ultimately calculate how much SO₂ is produced by each unit.
- ▶ The user enters the cost per SO₂ allowance, which is used in the optimization process for commitment and dispatch.
- ▶ Unit Data Required:
 - ▶ Normalized Incremental SO₂ curve specified with IHR breakpoints (lbs/MWh)
 - ▶ Emission Removal Percentage (scrubber %)
 - ▶ Emission Removal Cost (\$/ton)
- ▶ Fuel Data Required:
 - ▶ Sulfur Content (lbs./MBtu)
- ▶ System Data Required:
 - ▶ Allowance Price (\$/ton)
- ▶ Results:
 - ▶ Unit SO₂ – hourly, daily, weekly, monthly, seasonal, study (tons and \$)
 - ▶ Plant SO₂ – hourly, daily, weekly, monthly, seasonal, study (tons)
 - ▶ System SO₂ – hourly, daily, weekly, monthly, seasonal, study (tons and \$).

2.6.2 NOx Model

GenTrader's NOx Model functions are described below:

- ▶ This feature allows the user to create "NOx Constraints" with a structure similar to a contract, but as a constraint rather than a resource.
- ▶ The application allows multiple NOx Constraints to be defined.
- ▶ Each constraint can be assigned to a unit or group of units. A unit may have multiple constraints assigned, as well.

- ▶ The NOx Model supports emission "bubble" definition in which a geographic area including a subset of units is under joint restrictions such as a non-attainment zone. It also supports situations in which a given unit may be constrained under more than one bubble.
- ▶ At the unit, an "Incremental NOx Curve" is specified as well as an associated "Minimum NOx rate." Thus, as the unit is committed and dispatched, the NOx requirements to run the unit (as given in the incremental unit NOx curve) are subject to the assigned constraints.
- ▶ Unit Data Required:
 - ▶ Incremental NOx curve specified with IHR breakpoints (lbs/MWh)
 - ▶ Minimum NOx rate at first breakpoint (lbs/hour)
 - ▶ Assignment of up to 4 NOx constraints
 - ▶ Maximum Hourly NOx for the unit for each assigned constraint (tons)
- ▶ Plant Data Required:
 - ▶ Assignment of up to 5 NOx constraints to be used by plant units
 - ▶ Maximum Hourly NOx for the plant for each assigned constraint (tons)
- ▶ NOx Constraints Required:
 - ▶ Constraint name
 - ▶ Active? (Yes/No)
 - ▶ NOx Price (\$/ton)
 - ▶ Maximum Hourly NOx (tons)
 - ▶ Maximum Daily NOx (tons)
 - ▶ Maximum Weekly NOx (tons)
 - ▶ Maximum Season NOx (tons)
 - ▶ Maximum Resource Horizon NOx (tons)
- ▶ Results:
 - ▶ Unit NOx – hourly, daily, weekly, monthly, seasonal, study (tons and \$)
 - ▶ Plant NOx – hourly, daily, weekly, monthly, seasonal, study (tons)
 - ▶ NOx expended by constraint – hourly, daily, weekly, monthly, seasonal, study (tons and \$)

2.7 Constrained Fuel Coordination Model

The Constrained Fuel Coordination Model determines appropriate fuel price signals which will drive to an overall optimal solution.

The module considers multiple constraints on fuel supply and coordinates economic optimality across multiple time frames (hour, day, week, season, year) and among competing constraints such as thermal commitment restrictions, emission allowance value, and other fuels. The module achieves convergence in the presence of extensive transaction and unit commitment constraints.

The price signals must be accurately derived rather than roughly approximated.

The module can calculate the large variations that small changes in price may induce in other system decisions such as commitment of units and purchase/sale determinations.

The module consistently solves constrained fuel coordination issues by correct calculation of dispatch price at all levels of solution.

This module uses a complex proprietary nonlinear optimization algorithm rather than the conventional network flow algorithm typically applied to fuel constraint problems. Thus, the shortcomings associated with network flow fuel coordination algorithms such as non-smooth (and impractical) solutions and computational instability are eliminated.

2.7.1 Constrained Fuel Coordination Feature Details

PCI's Constrained Fuel Coordination model supports the following features:

- ▶ Multi-tier fuel contracts (specified as MBtu breakpoints vs. tier prices)
- ▶ Units may burn multiple constrained fuels
- ▶ Each fuel can be burned by multiple units
- ▶ Unit min/max hourly consumption limits per fuel contract
- ▶ Plant min/max hourly consumption limits per fuel contract
- ▶ System min/max hourly consumption limits per fuel contract
- ▶ System min/max daily (gas day) consumption limits per fuel contract
- ▶ System min/max weekly consumption limits per fuel contract
- ▶ System min/max seasonal consumption limits per fuel contract
- ▶ System min/max study consumption limits per fuel contract
- ▶ System min/max hourly consumption limits per fuel group
- ▶ System min/max daily (gas day) consumption limits per fuel group
- ▶ System min/max weekly consumption limits per fuel group
- ▶ System min/max seasonal consumption limits per fuel group
- ▶ System min/max study consumption limits per fuel group

2.8 Case Comparison

Background: Users often need to quickly assess the effects of a postulated strategy. To meet this need, GenTrader has implemented an extremely helpful function, **Case Comparison**, for analyzing results.

GenTrader Case Comparison allows the user to select any two studies for comparison and view the results and differences.

2.8.1 Case Comparison Feature Details

PCI's Case Comparison supports the following features:

- ▶ GenTrader screens display the differences between all results in each study so that the user may quickly assess the effects of a postulated strategy.
- ▶ Values that made no change from the base case to the change case appear as zeroes. Other items stand out clearly as a positive or negative deviation.
- ▶ Users can compare output data graphically by using the full complement of output screens so as to provide a highly effective means of analyzing study results.

2.9 Data Import

Background: Data import is an essential feature for integrating a generation asset management system into real-time enterprise operations. This ability differentiates it from a standalone function dedicated only to engineering studies and makes GenTrader a fully integrated application capable of supporting timely control center decisions.

2.9.1 Data Import Feature Details

PCI's Data Import supports the following features:

- ▶ GenTrader provides the ability to import and interpret data.
- ▶ Data Import from external sources is accomplished via a Microsoft COM Application Programming Interface (API).
- ▶ GenTrader provides the ability to interpret data imported from an EMS appropriately to initialize the type of study the user desires. For example, unit limits for a week-long unit commitment study should be the nominal limits defined in the EMS data whereas unit limits for a next-hour transaction evaluation should be the current values from the real-time database.

2.10 Data Export

GenTrader provides the ability for all or selected GenTrader results to be exported to an external relational database (such as Oracle® or Microsoft Access®), to enable customized user interface enhancement beyond the extensive screens provided.

2.11 Launch Control

GenTrader provides a Multi-Processor Launch Control program to improve turn-around time for computation-intensive studies, which can be logically broken into sub-parts and handed off to multiple processors.

- ▶ The following types of GenTrader studies benefit from the Launch Control:
 - ▶ Short-term or Long-term studies with multiple portfolios

- ▶ Scenario Manager studies with multiple cases
- ▶ Multi-year studies
- ▶ Multi-pass Monte Carlo studies
- ▶ Single-pass Monte Carlo studies of less than 6 months (multiple repetitions)
- ▶ Architecturally, each sub-part of a study or scenario is assigned to the next free processor until all resources are busy. As resources are freed, subsequent parts are launched until all are complete at which time results are available for review as normal.
- ▶ The GUI may run on a different machine from the server through a local network. In this case, significant LAN bandwidth will be necessary to avoid excessive delay in screen callup.

2.12 Long-Term Monte Carlo Model

Background: The intent of detailed production simulation is to obtain statistically sound expected values for future resource consumptions. It has long been desirable to apply the same optimization techniques used for short-term analysis (hourly chronological simulation) to long-term problems.

The drawbacks of long-term chronological modeling have been the necessary number of samples (to accurately represent random outages) and the heavy computational resources required.

2.12.1 Long-Term Monte Carlo Model Feature Details

PCI's Long-Term Monte Carlo Model supports the following features:

- ▶ GenTrader supports planning studies of up to 30 years through the *Long-term Monte Carlo* model.
- ▶ The planning methodology implemented in GenTrader is made possible by the Sequential Bidding Commitment Engine (which must be fast and robust enough to solve numerous randomly generated scenarios) and the Scoping Algorithm (which can provide a solid resource allocation solution for the year).
- ▶ The GenTrader Long-Term Monte Carlo Model is efficient and accurate through the inclusion of remainder-of-horizon Scoping adjustments during simulation and the handling of random outages by successive Monte Carlo draws.
- ▶ This unique methodology is presented in a technical paper entitled, "An Adaptive Production Simulation Structure for Operational Planning with Annual Emission/Fuel Constraints" co-authored by Dr. Breipohl, and Dr. Lee, two of the principal GenTrader developers.

2.12.2 Scoping Analysis

Background: Scoping Analysis functionality is required to provide smooth coordination between long-term and short-term analyses.

Consider a short-term study period (e.g., 5 days) with a long-term (e.g., annual) fuel constraint. When the resource constraint time frame (Resource Horizon) exceeds the Study Horizon, a "Scoping" analysis is

performed to set applicable resource allocations for use in the short-term solution. The Scoping problem is intended to be a quick but careful analysis of obligations and resources over an extended horizon.

An example of the relationship between **Scoping** and **Short-Term Transaction Evaluation** is in the consideration of an annual minimum take on a given fuel contract which may be supplemented by a lower price take after the minimum is met. Using these modules together, the incremental value of the short-term transaction may be found to be based on the lower priced tier of the limited fuel thus affecting the economic viability of the decision.

Also noteworthy is the fact that the Scoping algorithm is exactly the same software as that used for short-term resource allocation. It is the development of the robust fuel and emissions allocation logic that made the Scoping concept possible.

- ▶ GenTrader enables quick but careful analysis of obligations and resources over an extended horizon by formulating "typical weeks" to represent each season of the year from the detailed data stored in the GenTrader case.
 - ▶ In Short-term or Long-term studies with multiple portfolios, typical weeks accurately reflect the energy for each season and contain average hourly loads to maintain a valid chronological model.
 - ▶ Unit data is derated as necessary to approximate outages for each season.
 - ▶ The Scoping analysis is an approximate but detailed simulation of the remainder of the constraint horizon with resources economically allocated for use in short-term optimization.

2.12.3 Adaptive Scoping

Background: Short-term optimization must often take into consideration changes in annual constraints. For example, as an operator seeks an economic operational solution for the coming week, the effects of annual constraints are factored into a strategy for the near-term. In the event that strategy is made invalid by an unplanned outage during the week, an alternate plan is derived by re-evaluating the near-term situation while considering remaining resources for the year.

- ▶ GenTrader facilitates adaptive scoping by using a multiple-week adaptive loop designed to replicate the realities of actual system operation.
- ▶ The adaptive nature of actual system operation is captured by the *Long-Term Monte Carlo* detailed production simulation logic. By looping through all weeks of the study period and performing detailed chronological optimization with Scoping adjustments along the way, study results are obtained with a high degree of realism.

2.12.4 Random Outages

Background: For studies that extend beyond the immediate future it is sometimes desirable to model the effects of discrete unplanned unit outages.

The results derived from modeling outages are useful in identifying the expected values for system resources over the study period in the presence of uncertainty. Of course, individual monthly or weekly results are not to be misconstrued to be the expected values for those sub-periods.

- ▶ GenTrader uses "Smart" Monte Carlo sampling to force out units for randomly selected weeks of the study period.
 - ▶ Example: If a unit has a 10% forced outage rate and the study period is 52 weeks, then the expected unplanned outage time over the study is 5.2 weeks. In each week of the simulation the expected outage rate for each unit is calculated to be:

$$(\text{Total outage weeks} - \text{Outage weeks incurred}) / (\text{Remaining study weeks})$$
- ▶ GenTrader is capable of representing up to four states of partial outage information, if it is available.

2.12.5 Applicability to Shorter Planning Periods

Background: The reason that the annual solution described above does not produce reliable expected values for monthly or weekly sub-periods is that there are insufficient unit outage samples in those periods (one for each week) to reach a statistically accurate result.

- ▶ Whenever the study period for a Monte Carlo solution is shortened, GenTrader assesses the necessary number of samples internally and executes multiple passes of the study period as needed.
- ▶ Each of the passes is subject to different random outage draws.
- ▶ The final results presented are the average of all the passes and are therefore, the expected values for the period considering uncertainty in generator availability.

Example: if a user designated a study period of one year the weekly simulation logic would have 52 draws for random outages. For most systems, 52 samples is sufficient to calculate expected annual values with a small variance. If the user wanted to see the expected values for the month of June, however, the results from the annual study could not be used since a single month only includes about 4 weekly outage samples. The correct approach is for the user to define a Monte Carlo study covering only the month of June. When executed, the entire period will be repeated internally 13 times so that the average results presented are based on 52 weekly samples. If the peak week of the year is of interest, then that week becomes the study period and is repeated internally 52 times to get the expected values.

3 MODULES

The following modules are *separately licensable* and enhance and extend GenTrader functionality.

3.1 Extended Ancillary Services Module

The **Extended Ancillary Services Module** is a separately licensed module that extends GenTrader's ability to model ancillary service commodities.

Background: In many regions of the world there are multiple ancillary services markets in which a generating asset portfolio may compete. In most cases, these ancillary services are mutually exclusive of each other and of the concurrent energy markets. When all of the energy and ancillary services markets and commodities are modeled together, the optimal solution becomes a very complex challenge.

3.1.1 Extended Ancillary Services Module Feature Details

PCI's Extended Ancillary Services Module supports the following features:

- ▶ The GenTrader Extended Ancillary Services Module can support an additional five ancillary services commodities.
- ▶ GenTrader can exploit arbitrage opportunities in this multi-market, multi-commodity environment.
- ▶ The Module can model the following additional ancillary services:
 - ▶ Regulation Up
 - ▶ Regulation Down
 - ▶ Non-Spinning Reserves
 - ▶ Replacement Reserves
 - ▶ Balancing Down
- ▶ GenTrader implements optimization and simulation logic to maximize profit while considering all energy and ancillary services markets. It models each service as an additional commodity with forward prices, which are used to drive the optimization process.
- ▶ Results of the optimization include hourly generator schedules for each commodity.

3.2 Generic Emissions Model

The **Generic Emissions Module** is a separately licensable module that provides the user with a simple method of modeling the emissions generated by thermal unit. It includes the cost or benefit of the individual emissions in unit commitment and economic dispatch decisions, or in the accounting of the output only.

- ▶ The Generic Emissions Module feature allows the user to define up to five (5) generic emission types by the following attributes:
 - ▶ **Emission name** (CO₂, VOC, etc.)

- **Price (\$/ton)**
- **Generator emission factor** (tons/MWh or tons/MBtu)
 - Each defined emission may be a component of any generator's production costs as specified by input data.
 - The costs of the emission will be incorporated into unit commitment, economic dispatch, and production cost logic.
- **Results:** Results will be reported as:
 - Cost of emission (\$)
 - Volume of emission (tons)

3.3 Stress Test Module

GenTrader can be enhanced by a separately licensable **Stress Test Module** that allows users to easily create alternative market price scenarios through a formula-based scheme. It is perfect for "what if" types of analysis.

- A user can define up to 20 price scenarios for any market by indexing to the base market.
- After market prices scenarios are defined, the user can construct the cases of interest:
 - Each case consists of a particular set of market scenarios. The user can set up multiple cases and execute them simultaneously on any available processors (see Launch Control).
 - GenTrader allows you to run up to 99 stress cases at a time.

3.4 Pumped Storage Hydro Module

The **Pumped Hydro Storage Module** is a separately-licensed module that uniquely addresses issues of pumped hydro storage optimization.

Background: The key to a good hydro and thermal solution is the methodology used for that coordination. The common approach of successively iterating between independent hydro and thermal solutions can lead to instability as well as unsatisfactory results. In such a decoupled approach, the price from thermal solution is used to drive the hydro allocation and then the derived hydro schedule is used to adjust the thermal demand. This process may or may not converge to a good answer.

GenTrader is able to apply its energy-constrained optimization components to allocate the pumping and generating energy in a fashion similar to fuel optimization. It is important that this allocation be deeply ingrained in both the unit commitment logic and the resource-constrained economic dispatch process. By uniting the pumping/generating decisions with the commitment and dispatch steps, the final hydro-thermal operating schedule carries the same qualities of robustness as the thermal schedule alone.

3.4.1 Cascaded Pumped Storage Hydro Module Feature Details

GenTrader Cascaded Pumped Storage Hydro Module supports the following features:

- ▶ The module allows the user to coordinate hydro and thermal resource operation in order to minimize cost and/or maximize profit.
- ▶ The model for pumped storage is defined by electrical MWh capabilities as opposed to water volume and head level measurements. As such, the "pond level" is expressed as MWh of storage and the local "water" inflows are also MWh, for example.
- ▶ The hydro module supports co-optimization of ancillary services and is an integral part of the extended ancillary service module.
- ▶ The module components of the GenTrader cascaded pumped storage module include reservoirs, generating/pumping units, and cascaded network information:
 - ▶ Attributes per Reservoir:
 - ▶ Beginning Storage (MWh)
 - ▶ Minimum Storage (MWh)
 - ▶ Maximum Storage (MWh)
 - ▶ Hourly Inflow (MWh)
 - ▶ Day-end Minimum (MWh for each day)
 - ▶ Study-end Minimum (MWh at the end of the study)
 - ▶ Upper Reservoir in Cascaded Hydro System
 - ▶ Attributes per Unit:
 - ▶ Reservoir Assignment (upper and lower reservoirs in cascaded hydro system)
 - ▶ Pumping High and Low Limits (MW)
 - ▶ Generating High and Low Limits (MW)
 - ▶ Ancillary service capabilities (MW)
 - ▶ Must-on Periods and fixed pumping/generating schedule (MW)
 - ▶ Must-off Periods
 - ▶ Fixed and Variable O&M (\$/h and \$/MW)
 - ▶ Pumping (turnaround) Efficiency (p.u.)
 - ▶ Forced Outage Rate (p.u.)
 - ▶ Startup Cost (planned feature)

3.5 Combined-Cycle Modelling

Combined-Cycle Modeling is a separately licensable module that allows users to set up all stages of combined-cycle units in order to optimize their dispatch into markets while considering their operational constraints.

Background: A combined cycle facility couples the exhaust from one or more gas turbines with the input of a steam turbine to take advantage of waste heat. The characteristics of such a facility are that the high and low dispatch limits increase and the incremental heat rate improves (decreases) as each gas turbine is started.

3.5.1 Combined Cycle Modelling Feature Details

PCI's Combined Cycle Modelling supports the following features:

- ▶ PCI GenTrader allows for modeling up to four different stages for a CC facility.
 - ▶ The GenTrader CC model allows each stage to represent a particular operating mode. For example, a CC facility with two gas turbines (represented as "gt") and one steam turbine ("st") with duct-fired capability can be modeled as a three-stage CC unit in GenTrader.
 - ▶ In the GenTrader CC model, it is always assumed that when the facility is online, the steam turbine is online.
- ▶ The GenTrader CC model allows the user to define the following CC characteristics:
 - ▶ Must-On/Must-Off Status
 - ▶ Economic Dispatch: If the user specifies a certain MW dispatch (as opposed to economic dispatch) the MW loading will only apply to the capacity associated with that particular stage. Thus the CC unit can be dispatch in stages, according to level of MW output.
 - ▶ Initial On/Offer hours per state
 - ▶ Minimum Up Time/Down Time per state
 - ▶ Combined Cycle Efficiency: Multiplier: In order to model the loss of a portion of a combined facility in a long term solution, extra information is definable on this screen if the unit is flagged as a CC facility. The "Available Capacity" state can simulate the reduction in MW, while the Efficiency Multiplier can add the dimension of altering the incremental heat rate characteristic in that derated state. For example, the loss of the steam turbine may derate the facility to 0.60 of its available capacity and simultaneously shift the IHR curve with a 0.75 efficiency multiplier.

3.6 Stochastic Analysis

Stochastic Analysis is a separately-licensable GenTrader module that provides a systematic way to assess risk exposures of asset portfolios through stochastic simulation of market price volatility, load or demand uncertainty, and generating unit availability. The stochastic capability can also be used to calculate the option value of generation assets. Due to the high computational requirement of optimization

calculations and Monte Carlo sampling, advanced sampling techniques have been used to achieve a desirable balance among solution quality, runtime, and level of details.

By simulating thousands of price trajectories, PCI GenTrader provides structured analysis needed to hedge against risk and to profit from market dynamics. Generation asset valuation, supply procurement and portfolio structuring are all supported with this powerful feature. Stochastic Analysis also supports histograms and cumulative, quantifiable, and justifiable decisions.

3.6.1 Stochastic Analysis Feature Details

PCI's Stochastic Analysis supports the following features:

- Model various risk drivers and correlations
- Capture portfolio/market effects
- Evaluate financial risk exposure as well as operational statistics
- Stochastic Analysis supports the following business applications:
 - Asset Valuation
 - Portfolio Risk Analysis
 - Assessment of portfolio risk exposure and sources of risks
 - Hedging Analysis
 - Resource Planning and Procurement
 - Evaluation of Hedge Effectiveness
 - Capital Budgeting
 - Generation Asset Investment/Divestment
 - Generation Resources Planning and Procurement
 - Determination of the appropriate Amount for Capital Improvements
 - Assessment of Earnings at Risk
 - Estimate of the Range of Corporate Earnings
 - Forced Outage Impact Analysis
 - Risk Adjusted Return of a Deal
 - Deal Effect on Portfolio Risk
 - Financial and Physical Impact of Demand Uncertainty

4 DATA VIEWING AND REPORTING OPTIONS

Users can view data in both tabular and graphical formats.

- ▶ **Tabular Data:**
 - ▶ The results of PCI GenTrader studies are viewable in tabular form in the GUI.
 - ▶ The user can drill down into results and view data by entity and time period.
 - ▶ The user can filter results by attributes and be able to remove filters easily.
 - ▶ The user can easily copy data from an active window and paste it into Excel.
- ▶ **Graphical Data:**
 - ▶ The user can generate graphical displays of study result and to compare the results of two or more studies in a single graph.

5 APPLICATION INTERDEPENDENCIES

5.1 PCI Interdependencies

PCI GenManager SPP requires the following separately-licensed applications:

Product	Licensable Module	Required	Optional	Reason, if Optional
PCI Listener		X		

5.2 Third-Party Interdependencies

- ▶ Oracle Database
- ▶ Oracle Server
- ▶ Oracle Client
- ▶ Microsoft .NET Framework 1.1 or higher
- ▶ Windows supported file share (SAMBAs) for licensing, binaries, and output

EXHIBIT D



PROCUREMENT SERVICES PROCEDURE: OS A0500 PS 120B Contractor Travel

TITLE: Travel Approval and Expense Reimbursement (Contractor)

CREATION DATE: May 26, 1988

REVISED: July 15, 2007

PROCEDURE:

- I. TRAVEL REQUESTS** - Contractors must request approval on travel for official JEA business prior to commencement of travel.

II. GENERAL TRAVEL GUIDELINES

- A. Constructive Point of Origin** - The application of the constructive point of origin regulation will ensure that the traveler travels the shortest reasonable distance on business. Travel shall be deemed to have begun at the usual place of business or residence, or the place where travel actually began, whichever is less.
- B. Constructive Travel Time** is the time the traveler actually departs for his/her destination, or at the latest time the traveler could reasonably have departed in order to arrive at his/her destination in time to accomplish the official business, whichever is later. The same applies to the return back to the point of origin.
1. Common Carrier (excluding rental automobile)
Travel Time begins two hours prior to the time the traveler's conveyance actually departs.
 2. Motor vehicle (including rental automobile)
Travel Time begins at the time travelers actually begin driving to their destination.
 3. If a traveler conducts personal business during official travel, the personal business shall be considered to have been conducted at the beginning or at the end of the travel.

C. Transportation

1. The traveler requesting approval to travel shall choose the most economical means of transportation, considering the nature of the business, the traveler's time, cost of transportation, meals, lodging and incidental expenses required.
2. Reimbursement shall be made only for travel performed over usually regularly traveled routes to the destination. When travel is by indirect route for the traveler's own convenience, reimbursement for expenses shall be based only on such charges as would have been incurred over the usually traveled route.
3. If the total miles from the departure point to destination exceeds 400 miles round trip, the mileage reimbursement for use of a private motor vehicle shall be limited to the lesser of:
 - a. IRS-authorized mileage rates described in Section 106.706 of the Ordinance Code, City of Jacksonville; or
 - b. the lowest airline common carrier coach fare available to the nearest airport plus IRS-authorized mileage rate per mile from the airport to the destination.

IV. AUTHORIZED EXPENSES

A. Airplane

1. Travel by Common Carrier shall be reimbursed at the lowest coach fare rate available (except that the first class rate is authorized if coach fare is not available). The Common Carrier shall complete The Certification of Unavailability of Coach Accommodation (Example at Exhibit A)

2. Reservations for a Saturday night stay over is encouraged if it results in a net savings after considering all incremental travel related expenses.

3. Reimbursement for rented aircraft shall be based on the hourly rental rate for the aircraft, including fuel, if the

cost of renting the aircraft can be demonstrated to be less than the lowest available common carrier coach fare.

4. A copy of the ticket and itinerary must be submitted along with the expense statements.

B. Automobiles

1. If travel is by private automobile, reimbursement shall be based on IRS authorized mileage rate in existence at the time of travel. All mileage shall be completed from the constructive point of origin to the point of destination. Vicinity mileage incurred while driving on official business may also be reimbursed.
2. No other reimbursement for expenses related to the operation, maintenance and ownership of a vehicle shall be allowed when a private motor vehicle is used on public business.

C. Car Rental

1. Rental cars shall be approved only if taxis or other means of transportation are less economical or otherwise impractical.
2. Every effort shall be made to coordinate travel so that travelers share a rental car and thereby eliminate multiple cars at the same location.
3. Travelers shall use the Compact (Class B) vehicles unless the number of passengers or the volume of equipment makes the compact class impractical.
4. Personal accident insurance purchased by the traveler will not be reimbursed by JEA.
5. A copy of itemized rental car charges will be made and submitted with the expense statement.

D. Lodging

1. Reasonable reimbursement will be made for the cost of overnight lodging when a traveler is away from his/her place of residence. Travelers shall select lodging which is the most economically available, consistent with the duties being performed.
2. Travelers will be reimbursed for a single room rate; double occupancy rates may be obtained if two travelers share a room.
3. An extended stay facility may be obtained, however the expense must be reasonable and the daily cost shall not exceed \$100 per night.
4. Travelers must document all lodging expenses with itemized statement and paid receipt from lodging facility. A copy of the receipt must be submitted with the expense statement.

E. Meals

1. Meals will be reimbursed for all travelers at the following fixed subsistence rates:

a. Breakfast \$10 when Travel Time begins before 6:00 a.m. and extends beyond 8:00 a.m.

b. Lunch - \$14 when Travel Time begins before 12:00 noon and extends beyond 2:00 p.m.

c. Dinner - \$26 when Travel Time begins before 6:00 p.m. and extends beyond 8:00 p.m.

d. International Travel – for travel outside of the United States, the per diem rate is doubled to \$100 per day.

2. A per diem rate of \$50 will be paid for an entire day when Travel Time for that day begins before 6:00 a.m. and extends beyond 8:00 p.m.

3. Meal subsistence may not be claimed for meals (except those provided by common carrier transportation) made available without specific charge at a seminar, conference or training session.

F. Telephone Calls

1. Communication expenses, necessary to conduct official JEA business shall be allowed as a reimbursable expense.

2. Personal long distance phone charges shall be allowed as a reimbursable expense when travelers must call family members, or caretakers for dependents, to tell of travel delays. Any other routine or non-emergency personal calls shall be at the expense of the traveler and shall not be reimbursed.

2. A receipt documenting the telephone charges shall be submitted with the Travel Expense Statement.

G. Incidental Transportation Expenses

The following expenses incidental to transportation of the traveler may be reimbursed:

1. taxi fare
2. ferry fares, bridge, rail and tunnel tolls
3. storage and parking fees
4. reasonable tips for transportation of baggage(not to exceed \$1.00 per bag per transfer/2 bags maximum). (receipts not required)

V. TRAVEL REIMBURSEMENT:

- A. JEA will reimburse the contractor in accordance with the payment terms and conditions as outlined in the company's contract or purchase order. All invoices must be submitted to A/P for payment. Refer to Finance Procedure 300, regarding payment of suppliers.
- B. JEA will only reimburse the contractor for travel expenses that are documented with receipts that are submitted with the expense statement.
- C. The traveler's copy of itinerary, ticket stubs, detailed paid hotel bill, rental car receipt, parking receipts, toll receipts, storage receipts, taxi receipts, telephone charges receipt, must accompany the request for reimbursement.

VI. DOCUMENTATION AND FORMS REQUIRED:

The Contractor's Travel Reimbursement Form shall include, but not be limited to:

- A. Name of each traveler
- B. The destination of the traveler (place of departure and destination)
- C. The dates encompassed by the travel (the time & date of departure and the time & date of return)
- D. Each day of travel will be entered in a separate column/line. The items of travel applicable to that day will be entered on the appropriate column/line. The cost of transportation (air, rental car) may be entered on day 1 of the travel.

- E. Per diem or meal allowance will be claimed as provided in Section IV. E. of this document. Subsistence rates for eligible meals will be entered in the column/line of the day claimed.
- F. Traveler shall include the actual miles traveled on official business.
- G. All other expenses associated with travel are to be itemized and entered on the specific day incurred on the appropriate column/line of the form.

SIGNED:

John P. McCarthy

EFFECTIVE DATE:

July 15, 2007

Revised: 12/11/2001

6/18/2001

11/29/2000

TASK ORDER #1

Proof-of –Concept for PCI GenTrader

April 9, 2012

under

**PERPETUAL
SOFTWARE LICENSE AND
GENERAL SERVICES AGREEMENT
BETWEEN**

Power Costs, Inc.

AND

Jacksonville Electric Authority

April 6, 2012

OVERVIEW

This Task Order is pursuant to the PERPETUAL SOFTWARE LICENSE AND GENERAL SERVICES AGREEMENT BETWEEN Power Costs, Inc. AND Jacksonville Electric Authority dated April 6, 2012.

This Task Order is to accomplish a proof-of-concept (POC) project for JEA.

SCOPE

The scope of this effort is to execute a POC project for JEA as follows:

1. PCI will build an initial GenTrader study using JEA submitted data.
2. PCI will work with JEA to implement an "Operator Interface" using MS Excel that includes:
 - a. Importing load forecasts from Excel to GenTrader
 - b. Importing net transactions from Excel to GenTrader
 - c. Importing unit initial conditions from Excel to GenTrader
 - d. Importing market prices from Excel to GenTrader
 - e. Importing fuel prices from Excel to GenTrader
 - f. Importing unit outages and derates from Excel to GenTrader
 - g. Importing study start date from Excel to GenTrader
 - h. Allowing the Operator to execute the GenTrader study from Excel
 - i. Retrieving selected results from the GenTrader study for review in Excel
3. PCI will conduct a 2-day GenTrader Basic training class at JEA. Training will also cover use of the Excel Operator Interface.
4. The POC will be conducted using PCI-hosted hardware accessible via an Internet browser.
5. PCI phone support will be available during the POC.
6. JEA will use the POC system for a period of 45 calendar days beginning the day after the GenTrader Basic training class.

SCHEDULE, COST, AND TERMS

This work will be initiated within two weeks of contract signing. It is expected that the 45-day use of the POC system will begin within six weeks of contract signing.

This work is to be performed for a fixed cost of \$45,000.

Actual travel expenses, not to exceed \$2000, will be paid by JEA.

Services and expenses will be invoiced upon completion of the class according to the terms of the Agreement.

**AMENDMENT 1
TO CONTRACT # 120294
BETWEEN
JEA
AND
POWER COSTS, INC.**

THIS AMENDMENT NUMBER 1 ("First Amendment") is made and entered into this ____ day of December, 2012 (the "Effective Date"), by and between **JEA**, a body politic and corporate located at 21 W. Church St., Jacksonville, Florida, and and **POWER COSTS, INC.** a corporation existing under the laws of the State of Oklahoma with its principal office located at 3550 West Robinson, Suite 200, Norman, OK 73072, (hereinafter called the "Company").

RECITALS:

WHEREAS, on or about April 6, 2012, the parties made and entered into an agreement ("Agreement") under which Company agreed to provide short term and long term production costing software for JEA pursuant to JEA Contract Number **120294**, with a Maximum Indebtedness of **Four Hundred Seventy Thousand Eight Hundred Fifty Seven and 00/100 Dollars (\$470,857.00)** with a contract expiration date of April 14, 2013; and

WHEREAS, JEA now desires to increase the Maximum Indebtedness in the amount of **Two Hundred Eighty Thousand Seven Hundred Twenty Six and 00/100 Dollars (\$280,726.00)**; and

WHEREAS, JEA now also desires to extend the Term of the Original Agreement by an additional three (3) year period (the "Renewal Term"); and

IN CONSIDERATION of the Contract and for the mutual promises and covenants herein contained, the sufficiency and receipt of which is hereby acknowledged, the parties agree as follows:

AGREEMENT:

1. **Maximum Indebtedness.** The Agreement shall be amended such that Company's fees for the services shall be increased by **Two Hundred Eighty Thousand Seven Hundred Twenty Six and 00/100 Dollars (\$280,726.00)** and the Maximum Indebtedness shall now be **Seven Hundred Fifty One Thousand Five Hundred Eighty Three and 00/100 Dollars (\$751,583.00)**.

2. The Term of the Original Agreement shall be extended for an additional year, making the new termination of date of **July 29, 2016**, at and for the prices established in **Exhibit A** attached hereto.

3. The above recitals are true and correct and, by reference, are incorporated herein and made part hereof.

SAVE AND EXCEPT as hereby specifically amended herein, the terms and conditions of the Agreement, as amended, shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have duly executed this Third Amendment, in triplicate, the day and year first above written.

ATTEST:

By: C. Penafur
Name: CHERYL PENAFUR
Title: ACCOUNTING MANAGER
Date: 8/12/13

ATTEST:

By: _____
Name: _____
Title: _____
Date: _____

POWER COSTS, INC.

By: Sander Ito
Name: Sander Ito
Title: CFO
Date: 8-9-13

JEA

By: _____
John McCarthy
Director, Procurement Services
Date: _____

Approved by JEA Awards Committee on August 1, 2013, Award #6

EXHIBIT A



ENTERPRISE ASSET OPTIMIZATION

<http://www.PowerCosts.com>

Corporate Headquarters:

301 David L. Boren Blvd Suite 2000
Norman, OK 73072
Phone: 405-447-6633
Fax: 405-360-3713

Regional Office:

8 Greenway Plaza, Suite 1130
Houston, TX 77046
Phone: 713-626-3399
Fax: 713-626-6811

July 24, 2013

Mr. Garry Baker
JEA
7720 Ramona Blvd.
Jacksonville, FL 32221

Dear Garry,

This letter of quotation is in response to JEA's request for services pursuant to the existing Software License and General Consulting Agreement dated April 6, 2012. Prices are stated for the following services to cover a one-year period beginning July 30, 2013:

Annual Support Fee for PCI GenTrader	\$69,575.29
12-month Hosting Services	\$24,000.00

Please let me know if you need further information.

Sincerely,

Walter Hobbs
Vice President

**AMENDMENT 2
TO CONTRACT # 120294
BETWEEN
JEA
AND
POWER COSTS, INC.**

THIS AMENDMENT 2 ("Second Amendment") is made and entered into as of the 29th day of April, 2016 (the "Effective Date"), by and between JEA, a body politic and corporate located at 21 W. Church St., Jacksonville, Florida ("JEA"), and **POWER COSTS, INC.**, a corporation existing under the laws of the State of Oklahoma with its principal office located at 301 David L. Boren Blvd., Suite 2000, Norman, OK 73072 (hereinafter called the "Company").

RECITALS:

WHEREAS, JEA and the Company are parties to a Perpetual Software License and General Services Agreement dated April 6, 2012 (JEA Contract Number 120294), as amended by Amendment 1 to Contract #120294 dated August __, 2013 (the "Agreement"), under which the Company granted to JEA a perpetual license to the Software (as defined in the Agreement) and agreed to provide Update and Support Services and Hosting Services as provided therein; and

WHEREAS, JEA has requested and the Company has agreed to provide certain module additions to the Software as outlined in **Exhibit A** to this Second Amendment (the "Enhancements") and to provide certain related consulting services to JEA as may be requested by JEA from time to time and outlined in **Exhibit A** to this Agreement (the "Consulting Services"); and

WHEREAS, JEA wishes to increase its Maximum Indebtedness under the Agreement to include the cost of the Enhancements and the expected cost of the Consulting Services.

NOW THEREFORE, IN CONSIDERATION of the Contract and for the mutual promises and covenants herein contained, the sufficiency and receipt of which is hereby acknowledged, the parties agree as follows:

AGREEMENT:

1. **Enhancements and Consulting Services.** The Company shall provide the Enhancements to JEA under the terms and conditions of the Agreement and grants to JEA a non-transferable, non-exclusive, perpetual license therein. The term "Software" under the Agreement shall be deemed to include the Enhancements. The Company shall provide the Consulting Services to JEA as may be requested by JEA from time to time.

2. **Fees and Payment Terms.** JEA shall pay the Company **Thirty Thousand Seven Hundred and Twenty and 00/100 Dollars (\$37,220)** for the Enhancements as described in **Exhibit A** to this Second Amendment which amount shall be due and payable to the Company upon installation and acceptance of the Enhancements by JEA. The Company shall invoice JEA monthly for any Consulting Services provided to JEA during the prior month at the rate of \$250 per hour and JEA shall pay the Company for the Consulting Services within 30 days of receipt of proper invoice therefor. Travel expenses, if any, shall be reimbursed in accordance with JEA's Contractor Travel Policy.

3. **Maximum Indebtedness.** The Agreement shall be amended such that JEA's Maximum Indebtedness under the Agreement shall be increased by **Sixty Two Thousand Two Hundred and Twenty and 00/100 Dollars (\$62,220.00)** (\$37,220 for the Enhancements and up to \$25,000 for the Consulting Services) such that the Maximum Indebtedness shall now be **Eight Hundred Thirteen Thousand Eight Hundred and Three and 00/100 Dollars (\$813,803.00)**.

4. **Confidentiality.** The Company acknowledges that JEA is subject to Article I, section 24, Florida Constitution, which guarantees every person access to all public records, Chapter 119, Florida Statutes, which provides a broad definition of public records, and related statutes ("Florida's Public Records Laws"). Any action taken by JEA which is necessary to comply with the provisions of Florida's Public Records Laws shall not be deemed a breach of any of the provisions of the Agreement, including but not limited to Section 8.0 thereof, and the Agreement is hereby amended to the extent that any of the provisions of the Agreement are inconsistent with Florida's Public Records Laws.

5. The above recitals are true and correct and, by reference, are incorporated herein and made part hereof.

SAVE AND EXCEPT as hereby specifically amended herein, the terms and conditions of the Agreement, as amended, shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have duly executed this Second Amendment, in triplicate, as of the day and year first above written.

ATTEST:

By: _____
Name: _____
Title: _____
Date: _____

ATTEST:

By: [Signature]
Name: SAMANTHA DICKIE
Title: COLLAGE ASSOCIATES
Date: 5/23/16

POWER COSTS, INC.

By: [Signature]
Name: STEVEN HO
Title: CEO
Date: 5-12-16

JEA

By: [Signature]
Name: John McCarthy
Title: Director, Procurement Services
Date: 5-20-16

IPCI
ENERGY IN FOCUS.

Garry Baker
Jacksonville Electric Authority
Jacksonville, FL

Garry,


PCI proposes to provide the following software additions:

Software	Perpetual License
GenTrader Multi-market module	\$26,620
Increase model size to 30 units	\$10,600

- Assist JEA in adding GRU units
- Assist JEA in creating a multi-area model
- Assist JEA in revising GTXIT to conveniently import JEA and GRU data
- Assist JEA in exporting results to send to GRU
- Assist JEA in determining how to correctly split costs

All of these proposed changes are intended to be delivered under the existing "Perpetual Software License and general Services Agreement" between our companies dated April 6, 2012.

Sincerely,


Walter J. Hobbs
Vice President

**AMENDMENT 3
TO CONTRACT # 120294
BETWEEN
JEA
AND
POWER COSTS, INC.**

THIS AMENDMENT 3 ("Third Amendment") is made and entered into as of the 29th day of April, 2016 (the "Effective Date"), by and between JEA, a body politic and corporate located at 21 W. Church St., Jacksonville, Florida ("JEA"), and **POWER COSTS, INC.**, a corporation existing under the laws of the State of Oklahoma with its principal office located at 301 David L. Boren Blvd., Suite 2000, Norman, OK 73072 (hereinafter called the "Company").

RECITALS:

WHEREAS, JEA and the Company are parties to a Perpetual Software License and General Services Agreement dated April 6, 2012 (JEA Contract Number 120294), as amended by Amendment 1 to Contract #120294 dated August __, 2013 and Amendment 2 to Contract #120294 dated as of April 29, 2016 (the "Agreement"), under which the Company granted to JEA a perpetual license to the Software (as defined in the Agreement) and agreed to provide Update and Support Services and Hosting Services as provided in the Agreement (the "Support and Hosting Services"); and

WHEREAS, JEA has requested, and the Company has agreed, to extend the term of the Support and Hosting Services under the Agreement by an additional three (3) year period.

NOW THEREFORE, IN CONSIDERATION of the Contract and for the mutual promises and covenants herein contained, the sufficiency and receipt of which is hereby acknowledged, the parties agree as follows:

AGREEMENT:

1. **Maximum Indebtedness.** The Agreement shall be amended such that JEA's Maximum Indebtedness under the Agreement shall be increased by **Three Hundred Fourteen Thousand Two Hundred Eighty Six and 00/100 Dollars (\$314,286.00)** such that JEA's Maximum Indebtedness shall now be **One Million One Hundred Twenty Eight Thousand and Eighty Nine and 00/100 Dollars (\$1,128,089.00)**.

2. The term of the Support and Hosting Services to be provided by the Company to JEA under the Agreement shall be extended to **July 29, 2019** at the prices established in **Exhibit A** attached hereto.

3. The above recitals are true and correct and, by reference, are incorporated herein and made part hereof.

SAVE AND EXCEPT as hereby specifically amended herein, the terms and conditions of the Agreement, as amended, shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have duly executed this Third Amendment, in triplicate, the day and year first above written.

ATTEST:

By: _____
Name: _____
Title: _____
Date: _____

ATTEST:

By: Samantha Dillie
Name: Samantha Dillie
Title: CONTRACT ASSOC VICE
Date: 5/24/14

POWER COSTS, INC.

By: Sandy Ho
Name: Sandy Ho
Title: CEO
Date: 5-12-16

JEA

By: John McCarthy
Name: John McCarthy
Title: Director, Procurement Services
Date: 5-20-16

EXHIBIT A

April 13, 2016

Garry Baker
Jacksonville Electric Authority
Jacksonville, FL

Re: Proposed addition to PCI Agreement

GATTY,

in response to your recent request for a 3-year renewal term for software Support Services, I have prepared the following proposal.

In consideration of the commitment for 3 years of services, fees for Maintenance and Support and Hosting Services will not be escalated for the duration of the renewal period. The fees are:

	Software	Services Fees		
		Due 7/30/16	Due 7/30/17	Due 7/30/18
	PCI GenTrader	\$72,358	\$72,358	\$72,358
	12-month Hosting Services	\$24,960	\$24,960	\$24,960
	GenTrader Multi-market module	\$5,324	\$5,324	\$5,324
	Increase model size to 30 units	\$2,120	\$2,120	\$2,120
	Total	\$104,762	\$104,762	\$104,762

These proposed changes are intended to be delivered under the existing "Perpetual Software License and general Services Agreement" between our companies dated April 6, 2012.

We look forward to working with you

Sincerely,

Wing 100

Walter J. Hobbs
Vice President

**AMENDMENT #4
TO CONTRACT # 120294
BETWEEN
JEA
AND
POWER COSTS, INC.
FOR
PCI AGREEMENTS – JEA/GRU JOINT DISPATCH
SHORT & LONG TERM PRODUCTION COSTING**

THIS AMENDMENT NUMBER 4 (“Fourth Amendment”) is made and entered into this 24th day of July, 2019, by and between **JEA**, a body politic and corporate located at 21 W. Church St., Jacksonville, Florida, and **POWER COSTS, INC.**, (hereinafter called the “Company”), a corporation existing under the laws of the State of Oklahoma with its principal office located at 301 David L. Boren Blvd., Suite 2000, Norman, OK 73072.

RECITALS:

WHEREAS, on April 6, 2012, the parties made and entered into an agreement (“Original Agreement”) under which Company agreed to provide **“Short and Long Term Production Costing Software”** (the “Services”), for JEA pursuant to JEA Contract Number 120294, until **April 14, 2013**, (the “Term”) with an additional three (3) year renewal, for **Four Hundred Seventy Thousand Eight Hundred Fifty Seven and 00/100 Dollars (\$470,857.00)**; and

WHEREAS, on August 9, 2013, JEA increased the Maximum Indebtedness, as approved by the JEA Awards Committee, in the amount of **Two Hundred Eighty Thousand Seven Hundred Twenty Six and 00/100 Dollars (\$280,726.00)**, for a new Maximum Indebtedness of **Seven Hundred Fifty One Thousand Five Hundred Eighty Three and 00/100 Dollars (\$751,583.00)**, and renewed the Term of the Original Agreement until **July 29, 2016**; and

WHEREAS, on May 20, 2016, JEA increased the Maximum Indebtedness, as approved by the JEA Awards Committee, in the amount of **Three Hundred Seventy Six Thousand Five Hundred Six and 00/100 Dollars (\$376,506.00)**, for a new Maximum

Indebtedness of **One Million One Hundred Twenty Eight Thousand Eighty Nine and 00/100 Dollars (\$1,128,089.00)**, and extended the Term of the Original Agreement until **July 29, 2019**; and

WHEREAS, on June 28, 2018, JEA increased the Maximum Indebtedness, as allowed by the JEA Procurement Code, in the amount of **Two Thousand Seven Hundred Eight and 58/100 Dollars (\$2,708.58)**, for additional scope of work. The new Maximum Indebtedness is now **One Million One Hundred Thirty Thousand Seven Hundred Ninety Seven and 58/100 Dollars (\$1,130,797.58)**; and

WHEREAS, JEA now desires to increase the Maximum Indebtedness, as allowed by the JEA Procurement Code, in the amount of **Three Hundred Twenty Six Thousand Eight Hundred Fifty Three and 00/100 Dollars (\$326,853.00)**, for additional scope of work. The new Maximum Indebtedness is now **One Million Four Hundred Fifty Seven Thousand Six Hundred Fifty Three and 58/100 Dollars (\$1,457,653.58)**, and extend the Term of the Original Agreement until **July 29, 2022**.

IN CONSIDERATION of the Contract and for the mutual promises and covenants herein contained, the sufficiency and receipt of which is hereby acknowledged, the parties agree as follows:

AGREEMENT:

1. **Maximum Indebtedness.** The Maximum Indebtedness of the Original Agreement shall be increased by **Three Hundred Twenty Six Thousand Eight Hundred Fifty Three and 00/100 Dollars (\$326,853.00)**, which shall be invoiced to JEA in accordance with **Exhibit A**, attached hereto. The total Maximum Indebtedness shall now be **One Million Four Hundred Fifty Seven Thousand Six Hundred Fifty Three and 58/100 Dollars (\$1,457,653.58)**.

2. **Term.** The Term of the Original Agreement as amended shall be **July 29, 2022**, for the support and hosting services at prices established in **Exhibit A** attached hereto.

3. The above recitals are true and correct and, by reference, are incorporated herein and made part hereof.

SAVE AND EXCEPT as hereby specifically amended herein, the terms and conditions of the Agreement, as amended, shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have duly executed this day and year first above written.

ATTEST:

By: _____

Name: _____

Title: _____

Date: _____

ATTEST:

By: Rachelle M. Weir

Name: Rachelle M. Weir

Title: Procurement Vendor Specialist

Date: 7/24/2019

POWER COSTS, INC.


By: 
Digitally signed by Sandy Ho
DN: cn=Sandy Ho, o=Power Costs, Inc.,
ou, email=sheepowercosts.com, c=US
Date: 2019.07.24 10:15:25 -05'00'

Name: Sandy Ho

Title: CFO

Date: July 24, 2019

JEA

By: 

Jenny McCollum

Director, Procurement Services

Date: 7/24/19

EXHIBIT A



April 1, 2019

Garry Baker
Jacksonville Electric Authority
Jacksonville, FL

Re: Proposed addition to PCI Agreement

Garry,

In response to your recent request for a 3-year renewal term for software Support Services, I have prepared the following proposal.

In consideration of the commitment for 3 years of services, fees for Maintenance and Support and Hosting Services will not be escalated for the duration of the renewal period. The fees are:

Software	Services Fees		
	Due 7/30/19	Due 7/30/20	Due 7/30/21
PCI GenTrader	\$75,251	\$75,251	\$75,251
12-month Hosting Services	\$25,958	\$25,958	\$25,958
GenTrader Multi-market module	\$5,537	\$5,537	\$5,537
Increase model size to 30 units	\$2,205	\$2,205	\$2,205
Total	\$108,951	\$108,951	\$108,951

These proposed changes are intended to be delivered under the existing "Perpetual Software License and general Services Agreement" between our companies dated April 6, 2012.

We look forward to working with you.

Sincerely,

Walter J. Hobbs
Vice President



June 3, 2022

Garry Baker
Jacksonville Electric Authority
Jacksonville, Florida

Re: Proposed addition to PCI Agreement

Garry,

In response to our recent discussion for a 5-year renewal term for software Support Services, I have prepared the following proposal.

In consideration of the commitment for 5 years of service, fees for Maintenance and Support and Hosting Services will not be escalated for the duration of the renewal period. Additionally, PCI will be providing JEA an option to activate annual use license for the following module:

- PCI Extended Ancillary Service
- Annual License Fee: Waived for Extended Term
- Annual Update and Support Fees: Waived for Extended Term

The fees are:

Services	Service Fees				
	Due 7/30/22	Due 7/30/23	Due 7/30/24	Due 7/30/25	Due 7/30/26
PCI GenTrader (as configured)	\$85,453	\$85,453	\$85,453	\$85,453	\$85,453
12-Month Hosting Services	\$26,768	\$26,768	\$26,768	\$26,768	\$26,768
Extended Ancillary Services	\$0	\$0	\$0	\$0	\$0
Total	\$112,221	\$112,221	\$112,221	\$112,221	\$112,221

The proposed changes are intended to be delivered under the existing "Perpetual Software License and general Services Agreement" between our companies dated April 6, 2012.

We look forward to working with you

Kelly Birdwell

Kelly Birdwell
Senior Account Manager

Certification of Single Source or Emergency Procurement

Please use this form to certify a Single Source or Emergency Procurement complies with the requirements of the JEA Procurement Code. The JEA Procurement Code defines a Single Source and Emergency Procurement as follows:

3-112 Single Source

A Contract may be awarded for Supplies or Services as a Single Source when, pursuant to the Operational Procedures, the Chief Procurement Officer determines that:

- (a) there is only one justifiable source for the required Supplies or Services;
- (b) the Supplies or Services must be a certain type, brand, make or manufacturer due to the criticality of the item or compatibility within a JEA utility system, and such Supplies or Services may not be obtained from multiple sources such as distributors;
- (c) the Services are a follow-up of Services that may only be done efficiently and effectively by the Vendor that rendered the initial Services to JEA, provided the Procurement of the initial Services was competitive;
- (d) at the conclusion of a Pilot Project under Section 3-118 of this Code, the Procurement of Supplies or Services tested during the Pilot Project, provided the Vendor was competitively selected for the Pilot Project.

3-113 Emergency Procurements

In the event of an Emergency, the Chief Procurement Officer may make or authorize an Emergency Procurement, provided that Emergency Procurements shall be made with as much competition as practicable under the circumstances. A written Determination of the basis for the Emergency and for the selection of the particular Vendor shall be included in the Procurement file.

For purposes of this Section 3-113, an "Emergency" means any one of the following:

- (a) a reasonably unforeseen breakdown in machinery;
- (b) an interruption in the delivery of an essential governmental service or the development of a circumstance causing a threatened curtailment, diminution, or termination of an essential service;
- (c) the development of a dangerous condition causing an immediate danger to the public health, safety, or welfare or other substantial loss to JEA;
- (d) an immediate danger of loss of public or private property;
- (e) the opportunity to secure significant financial gain, to avoid delays to any Governmental Entity or avoid significant financial loss through immediate or timely action; or (f) a valid public emergency certified by the Chief Executive Officer.

Please provide the following information:

1. **Vendor Name:** Power Costs, Inc.

2. **Description of Services or Supplies provided by Vendor:** JEA purchased a perpetual license for the GenTrader software product to integrate into JEA's operations planning function. In addition to the perpetual license JEA requires maintenance, support and hosting service to support the use of the software product. This procurement is to provide these services and an enhancement (Extended

Ancillary Services) to the GenTrader software product to support the integration of solar resources into the operations planning function.

3. **Certification:**

I the undersigned certify that to the best of my knowledge, no JEA employee has, either directly or indirectly, a financial interest in this Single Source Emergency Procurement, and

I the undersigned certify that this procurement meets the requirements of a (choose one of the following):

X **Single Source Procurement.** Please state which subsection of Section 3-112 above applies to this Single Source Procurement: (a), (b) and (c)

OR

Emergency Procurement - Please state which subsection of Section 3-113 above applies to this Emergency Procurement: _____

 6/30/2022
Signature of JEA Business Unit Manager Date

William Garry Baker, Sr. Director Energy Systems Operations

Name of JEA Business Unit Manager

This certification shall be attached to the Purchase Order when it is routed for approval. A Single Source or Emergency Procurement shall be reported to the JEA Board in accordance with Section 1-110 of the JEA Procurement Code.



Formal Bid and Award System

Award #13 July 14, 2022

Type of Award Request: CONTRACT INCREASE
Requestor Name: Gaines, Brian A.
Requestor Phone: (904) 312-2104
Project Title: Nocatee South Reclaimed Water (RW) Storage Tank and Booster Pump Station
Project Number: 8004381
Project Location: JEA
Funds: Capital
Budget Estimate: \$65,000.00

Scope of Work:

To procure engineering services to hydraulically model, design, and provide services during construction for a new booster pump station including tank and pump building, 1,400 LF of dual sixteen inch (16") reuse main, and an additional pump building on a separate site for the Nocatee Reuse System.

Reclaimed water demands continue to increase at a steady pace within Nocatee. To support growth and provide reliability to the reclaimed water delivery system, a new reclaimed water storage and pumping facility is needed in the southern Nocatee region.

This is a request to award to an engineering firm to provide system evaluation, design, and services during construction for a new RW Booster Station at Nocatee South and additional capacity at the existing Nocatee North RW Booster Station.

JEA IFB/RFP/State/City/GSA#: 128-17
Purchasing Agent: Kruck, Dan
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
MOTT MACDONALD FLORIDA, LLC	Leslie Samel	leslie.samel@ mottmac.com	220 W. Garden Street Suite 700 Pensacola FL 32502	(850) 484-6011	\$61,792.00

Amount of Original Award: \$1,115,981.00
Date of Original Award: 06/07/2018

Change Order Amount: \$61,792.00

CPA #	Amount	Date	Reason
174929	\$19,200.00	04/10/2019	JEA directed addition of a design for a stair tower for the new ground storage tank. Added a flood plan analysis to the scope of work.
174929	\$11,660.00	06/27/2019	JEA directed change to add the design of a replacement sodium hypochlorite tank.
174929	\$40,655.50	02/04/2020	JEA directed changes to drawings to clarify the responsibilities between the developer and the JEA contractor. Updates to plans required by St. Johns County permitting office, and resubmittal of those plans.

New Not-To-Exceed Amount: \$1,249,288.50
Length of Contract/PO Term: Project Completion
Begin Date: 06/15/2018
End Date: Project Completion (Expected: October 2022)
JSEB Requirement: Optional - Evaluation Criteria (20% goal)
Comments on JSEB Requirements:

Original Award:

R.E. Holland (Survey/Sue) – 4.2%
 4 Waters Engineering (Asset Management/Permitting) – 4.4%
 Goddard Design (Landscaping) – 0.3%
 Meskel & Associates (Geotechnical) – 2.4%

Previous Increases:

N/A

This Increase:

N/A

Background/Recommendations:

Originally approved by Awards Committee on 06/07/2018 in the amount of \$1,115,981.00 to Mott Macdonald Florida, LLC. A copy of the original award is attached for reference. Administrative increases were approved as shown in the table above.

This award request is for a change order to the contract of Mott Macdonald Florida, LLC for the Nocatee South Reclaimed Water (RW) Storage Tank and Booster Pump Station project. This increase request is being brought before the Awards Committee because it will exceed the ten percent administrative increases allowed in the purchasing code. Construction for this project has been delayed due to material delivery issues, communication tower permitting issue from St. Johns County and delays from Florida Power and Light (FPL) supplying power to the site due to transformer supply issues. These delays have resulted in additional services during construction required by the engineer. This contract increase will add the necessary funds to the contract with the engineer to continue progress meetings and construction oversight during the extended construction timeline. JEA used the original negotiated hourly rates to develop the award amount for this additional work. The contract increase quote is attached for reference.

Request approval to award a contract increase to Mott Macdonald Florida, LLC for additional services during construction for the Nocatee South Reclaimed Water (RW) Storage Tank and Booster Pump

Station project in the amount of \$61,792.00, for a new not-to-exceed amount of \$1,249,288.50, subject to the availability of lawfully appropriated funds.

Manager: Phillips, Brian R. - Mgr W/WW Project Management
Director: Conner, Sean M. - Dir W/WW Project Engineering & Construction
VP: Vu, Hai X. - VP Water Wastewater Systems

APPROVALS:

Chairman, Awards Committee	Date
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Budget Representative	Date
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Formal Bid and Award System

CPA 174929

Award #4 June 7, 2018

Type of Award Request: PROPOSAL (RFP)
Request #: 3970
Requestor Name: Gaines, Brian A.
Requestor Phone: (904) 665-6246
Project Title: Nocatee South Reclaimed Water (RW) Storage Tank and Booster Pump Station
Project Number: 8004381
Project Location: JEA
Funds: Capital
Award Estimate: \$1,300,000.00

Scope of Work:

To procure engineering services to hydraulically model, design, and provide services during construction for a new booster pump station including tank and pump building, 1,400 LF of dual sixteen inch (16") reuse main, and an additional pump building on a separate site for the Nocatee Reuse System.

Reclaimed water demands continue to increase at a steady pace within Nocatee. To support growth and provide reliability to the reclaimed water delivery system, a new reclaimed water storage and pumping facility is needed in the southern Nocatee region.

This is a request to award to an engineering firm to provide system evaluation, design, and services during construction for a new RW Booster Station at Nocatee South and additional capacity at the existing Nocatee North RW Booster Station.

JEA IFB/RFP/State/City/GSA#: 128-17

Purchasing Agent: Kruck, Daniel Robert (Dan)

Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
MOTT MACDONALD FLORIDA, LLC	Leslie Samel	leslie.samel@mottmac.com	220 W. Garden Street Suite 700 Pensacola FL 32502	(850) 484- 6011	\$1,115,981.00

Amount for entire term of Contract/PO: \$1,115,981.00
Award Amount for remainder of this FY: \$337,089.00
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 06/15/2018
End Date (mm/dd/yyyy): Project Completion (Estimated January 2021)
JSEB Requirement: Optional - Evaluation Criteria (20% goal)

Comments on JSEB Requirements:

R.E. Holland (Survey/Sue) – 4.2%
4 Waters Engineering (Asset Management/Permitting) – 4.4%
Goddard Design (Landscaping) – 0.3%
Meskel & Associates (Geotechnical) – 2.4%
Total – 11.3%

BIDDER:

Name	Amount	Rank
MOTT MACDONALD FLORIDA, LLC	\$1,115,981.00	1

Background/Recommendations:

Advertised on 08/23/2017. Seven prime contractors attended the mandatory pre-proposal meeting on 08/28/2017. At Proposal opening on 09/19/2017, JEA received one (1) Proposal. Design firms that attended the pre-proposal meeting, but did not submit, stated current workload and focusing on other projects as the primary reasons. The public evaluation meeting was held on 12/04/2017, in which Mott MacDonald Florida, LLC was deemed qualified to perform the work. A copy of the evaluation rankings are attached as backup.

The proposed engineering fee of \$1,115,981.00 is 14.2% lower than award estimate and deemed to be reasonable. The corresponding budget line item was reduced from its initial estimate of \$1,300,000.00 to match the award amount. Compared to estimated construction costs of \$8,047,690.00, the proposed design fee of \$886,361.00 is 11.01%, and services during construction (SDC) fee of \$229,620.00 is 2.85% of construction cost. A copy of the scope and fee are attached as backup.

128-17 - Request approval to award a contract to Mott MacDonald Florida LLC for engineering services for the Nocatee South RW Storage Tank and Booster Pump Station project in the amount of \$1,115,981.00, 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:

 6-7-18

Chairman, Awards Committee **Date**

 6/7/18

Manager, Capital Budget Planning **Date**

128-17 Engineering Services for the Nocatee South RW Storage Tank and Booster Pump Station

Vendor Rankings	Brian Gaines	George Porter	Hai Vu	Σ Rank	Overall Rank
Mott MacDonald	1	1	1	3	1

Brian Gaines	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
Mott MacDonald	25.25	40	20	5	3	93.25	1

George Porter	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
Mott MacDonald	19.92	32	15	5	3	74.92	1

Hai Vu	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
Mott MacDonald	25.88	32	18	5	3	83.88	1

Overall Averages	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
Mott MacDonald	23.68	34.67	17.67	5.00	3.00	84.02

Mott MacDonald
10245 Centurion Parkway North
Suite 320
Jacksonville, Florida 32256
T 904.203.1090
www.mottmac.com/americas



Mr. Brian Gaines
June 24, 2022
Page 2

The lump sum fee for Amendment No. 5 is \$61,792. Should you have any questions or need any additional information please contact me at **(904) 203-1081**.

Very truly yours,

Mott MacDonald, Florida LLC

A handwritten signature in blue ink that reads 'Leslie S. Samel'. The signature is written in a cursive, flowing style.

Leslie S. Samel, PE
Vice President



Formal Bid and Award System

Award #14 July 14, 2022

Type of Award Request: CHANGE ORDER
Requestor Name: Hawk, Thomas C.
Requestor Phone: (904) 665-8829
Project Title: District II - Robena Rd. Booster Pump Station
Project Number: 8003548
Project Location: JEA
Funds: Capital
Budget Estimate: N/A

Scope of Work:

The scope of work for this project includes furnishing all material, equipment and labor to construct a new booster pump station and associated pipes, pumps, tanks, storm retention pond and site work on Robena Rd. This station is needed because several of the pump stations in this service area are at, or near, their capacity. This pump station will take some of the load of the other pump stations.

JEA IFB/RFP/State/City/GSA#: 100-20
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	\$381,647.00

Amount of Original Award: \$3,539,100.00
Date of Original Award: 05/06/2021
Change Order Amount: \$381,647.00
New Not-To-Exceed Amount: \$3,920,747.00
Length of Contract/PO Term: Project Completion
Begin Date: 04/08/2020
End Date: Project Completion (Expected: July 2023)
JSEB Requirement: Six Percent (6%) Goal
Donna J Hamilton (Materials) – 5%
RFE Construction & Fencing (Fencing) – 1%

Background/Recommendations:

Originally awarded on 05/06/2021 for \$3,539,100.00 to Petticoat-Schmitt Civil Contractors, Inc. A copy of the original award is attached as backup.

This request is for the purposes of changing the stainless steel pipe from schedule 10 to schedule 40 (schedule 40 is a thicker wall pipe) in accordance with JEA Standards, providing DeZURIK rubber

flapper check valves, and provide 225 calendar days for procurement of the revised materials. The changes in the materials are the result of a design error that was discovered during construction.

Request approval to award a change order to Petticoat-Schmitt Civil Contractors, Inc. for construction services for the District II- Robena Rd. Booster Pump Station project in the amount of \$381,647.00, for a new, not-to-exceed amount of \$3,920,747.00, subject to the availability of lawfully appropriated funds.

Manager: Doherty, Peter F. - Senior Manager Project Management
Director: Conner, Sean M. - Dir W/WW Project Engineering & Construction
VP: Vu, Hai X. - VP Water Wastewater Systems

APPROVALS:

Chairman, Awards Committee	Date
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Budget Representative	Date
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Formal Bid and Award System

Award #4 May 6, 2021

Type of Award Request: INVITATION FOR BID (IFB)
Request #: 6895
Requestor Name: Clendening, William M.
Requestor Phone: (904) 665-4723
Project Title: District II - Robena Rd. Booster Pump Station
Project Number: 8003548
Project Location: JEA
Funds: Capital
Budget Estimate: \$2,951,542.00

Scope of Work:

The scope of work for this project includes furnishing all material, equipment and labor to construct a new booster pump station and associated pipes, pumps, tanks, storm retention pond and site work on Robena Rd.

JEA IFB/RFP/State/City/GSA#: 100-20
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	\$3,539,100.00

Amount for entire term of Contract/PO: \$3,539,100.00
Award Amount for remainder of this FY: \$125,000.00
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 07/01/2021
End Date (mm/dd/yyyy): Project Completion (Expected: September 2022)
JSEB Requirement: Six Percent (6%) Goal

Comments on JSEB Requirements:

Donna J Hamilton (Materials) – 5%
 RFE Construction & Fencing (Fencing) – 1%

BIDDERS:

Name	Amount
PETTICOAT SCHMITT CIVIL CONTRACTORS INC.	\$3,539,100.00
R2T, INC.	\$3,629,945.00
SAWCROSS INC.	\$3,710,000.00
WHARTON-SMITH INC.	\$3,797,000.00
WILLIAMS INDUSTRIAL SERVICES LLC	\$4,014,000.00

Background/Recommendations:

Advertised on 02/25/2021. Nine (9) prime contractors attended the mandatory pre-bid meeting held on 03/04/2021. At Bid opening on 04/20/2021, JEA received five (5) Bids. 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 \$3,539,100.00 is approximately 20% higher than the budget estimate. The specific items that came in higher than estimated includes the diesel generator, fuel tank and the site work. The bid was reviewed by JEA, and deemed reasonable when compared to the other bids received.

100-20 – Request approval to award a contract to Petticoat-Schmitt Civil Contractors, Inc. for construction services for the District II- Robena Rd. Booster Pump Station project in the amount of \$3,539,100.00, 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: Vu, Hai X. - VP Water Wastewater Systems

APPROVALS:

Chairman, Awards Committee

Date

Budget Representative

Date



Robena Road Booster Pump Station

Change Order

JEA Proj. No. 8003548

PSCC Proj. No. 21164

Associated Document(s)		CO No.	
RFI	Submittal	SWA No.	
N/A	N/A	PCO No.	0002
CHANGE FROM SCH. 10 SST 316 TO SCH. 40 SST 316 Per comment 4 on Submittal: D-15066-001-B, this Proposed Change Order changes the SST 316 pipe to schedule 40 and deleting SST to SST flanges. This also includes the change to Dezurik rubber flapper check valves and the 3/14/22 design change.		Date Created:	04/19/22
		Date Closed:	
		Status:	

Pipe Installation

		Manhours		Labor Rates		Extended Price
		Straight Time	Overtime	Straight Time	Overtime	
1.01	Project Manager	Not allowed per 2.17.6.2.d		\$ -	\$ -	\$ -
1.02	Field Superintendent	Not allowed per 2.17.6.2.d		\$ -	\$ -	\$ -
1.03	Carpenter Foreman			\$ 73.00	\$102.00	\$ -
1.04	Carpenter			\$ 59.00	\$82.00	\$ -
1.05	Carpenter Helper			\$ 38.00	\$53.00	\$ -
1.06	Concrete Foreman			\$ 73.00	\$102.00	\$ -
1.07	Concrete Finisher			\$ 48.00	\$67.00	\$ -
1.08	Pipefitter Foreman	40		\$ 73.00	\$102.00	\$ 2,920
1.09	Pipefitter	40		\$ 54.00	\$76.00	\$ 2,160
1.10	Pipelayer			\$ 48.00	\$67.00	\$ -
1.11	Pipefitter Helper	40		\$ 38.00	\$53.00	\$ 1,520
1.12	Laborer			\$ 38.00	\$53.00	\$ -
1.13	Welder, Pipe			\$ 66.00	\$92.00	\$ -
1.14	Welder, Structural			\$ 66.00	\$92.00	\$ -
1.15	Equipment Operator	40		\$ 51.00	\$72.00	\$ 2,040
1.16	Truck Driver			\$ 50.00	\$70.00	\$ -
1.17	Worksite Traffic Supervisor			\$ 73.00	\$102.00	\$ -
1.18	Flagger			\$ 34.00	\$47.00	\$ -

32 weeks of ESCM & sod maintenance @ 4hrs/week

1.19	FDEP Stormwater Erosion and Sedimentation Control Certified Inspector	128		\$ 73.00	\$102.00	\$ 9,344
1.20	Laborer	128		\$ 38.00	\$82.00	\$ 4,864
(A) Estimated Labor						\$ 22,848

Pipe Installation

Equipment Operating Costs		Hours	Hourly Rate Includes Fuel	Mob or Demob Fee (Each Way)	Adder for Mob/Demob	Extended Price
2.01	Generator, 16 KW		\$ 31.00	in rate		\$ -
2.02	Generator, 5.5 KW		\$ 7.00	in rate		\$ -
2.03	Light Tower		\$ 22.00	in rate		\$ -
2.04	Loader - Wheel		\$ 44.00	in rate		\$ -
2.05	Pump - Trash Pump		\$ 2.00	in rate		\$ -
2.06	Pump, Diaphragm		\$ 42.00	in rate		\$ -

2.07	Air Compressor		\$ 13.00	in rate		\$ -
2.08	Compactor, Vibratory, Drum		\$ 23.00	in rate		\$ -
2.09	Trailer, 20-Ton		\$ 17.00	in rate		\$ -
2.10	Backhoe - Wheel		\$ 44.00	in rate		\$ -
2.11	Excavator, Hydraulic, 0.5 CY		\$ 42.00	in rate		\$ -
2.12	Excavator, Hydraulic, 1.0 CY		\$ 59.00	\$ 600.00		\$ -
2.13	Excavator, Hydraulic, 1.5 CY	40	\$ 72.00	\$ 600.00		\$ 2,880
2.14	Excavator, Hydraulic, 2.5 CY		\$ 99.00	\$ 800.00		\$ -
2.15	Skid Steer		\$ 44.00	in rate		\$ -
2.16	Sweeper, Pavement		\$ 24.00	in rate		\$ -
2.17	Truck, Dump 12 CY		\$ 61.00	in rate		\$ -
2.18	Truck, Dump 8 CY		\$ 22.00	in rate		\$ -
2.19	Truck, Flatbed		\$ 22.00	in rate		\$ -
2.20	Truck, Pickup	40	\$ 12.00	in rate		\$ 480
2.21	Truck, Service	40	\$ 18.00	in rate		\$ 720
2.22	Truck, Water, 4000 gal.		\$ 36.00	in rate		\$ -
2.23	Truck, Welding		\$ 28.00	in rate		\$ -

32 weeks of ESCM & sod maintenance @ 4hrs/week

2.20	Truck, Pickup	128	\$ 12.00	in rate		\$ 1,536
(B) Estimated Equipment Operating Costs						\$ 5,616
(C) Markup Percentage: Supervision, Overhead, Bonds & Profit (applied to both A and B above)						10.00%
(D) Subtotal Labor, Equipment, Overhead and Profit						\$ 31,310
	Amount		Tax		% Markup	
(E) Estimated Material Increase	\$183,090	6.00%	\$ 194,075.82	10.00%		\$ 213,483
(E.1) \$75.00 tax on first \$5,000			\$ 75.00	10.00%		\$ 83
(F) PSCC savings @ 50% of material savings of deleting flanges for Sch. 40 SST 316 price as of 3/21/22	\$82,352	0.00%	\$ 82,351.50	0.00%		\$ 82,352
(G) Estimated Subcontracts		7.50%	\$ -	10.00%		\$ -
(H) Estimated Equipment Rental	\$1,320	7.50%	\$ 1,419.00	0.00%		\$ 1,419
(I) General Conditions (Days)		DAY		PER DAY		\$ -
(J) Mob/Demob Fee	\$53,000	0.00%	\$ 53,000.00	0.00%		\$ 53,000
TOTAL						\$ 381,647

Unless otherwise clarified, this proposal expires 30 calendar days after the date above.

Extension of contract time with this Change Order: **225** calendar days

Justin Grey

04/19/22

Petticoat-Schmitt Civil Contractors, Inc.

Date

JEA

Date

X	This proposal does not include any \$ for extension or acceleration, but the right to ask for these costs at a later date is expressly reserved.
	Extension cost is included in this proposal.
	Acceleration cost to maintain project schedule is included in this proposal.

PRICE DETAIL

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
MATERIAL				
Douglas Brothers - Sch. 40 SST 316 price with flanges deleted as of 3/21/22	1	LS	\$ 294,744.00	\$ 294,744.00
Douglas Brothers - bid price per contract documents	1	LS	\$ (132,184.00)	\$ (132,184.00)
Dezurik rubber flapper check valves as of 3/2/22	1	LS	\$ 44,849.00	\$ 44,849.00
Pratt rubber flapper check valves - bid price	1	LS	\$ (21,956.00)	\$ (21,956.00)
Pipe design changes per 3/14/22 revision	1	LS	\$ 9,843.00	\$ 9,843.00
Deletion of 2 @ 20" Plug Valves - bid price	2	EA	\$ (6,102.80)	\$ (12,205.60)
				\$ -
			SUBTOTAL	\$ 183,090.40
EQUIPMENT RENTAL				
Beyel Bros. Crane, Taxi, 40T	8	Hour	\$ 165.00	\$ 1,320.00
				\$ -
			SUBTOTAL	\$ 1,320.00

Justin Grey

From: Mike Poirier <mikepdbi@gmail.com>
Sent: Monday, March 21, 2022 1:35 PM
To: Justin Grey
Subject: Re: 3-4-22 Piping Revisions for Welded Header - delete 2 PV - REV2.pdf
Attachments: 21D0015 SHEET 1 ALL FLANGES.pdf; 21D0015 SHEET 2 ALL FLANGES.pdf; 21D0015 SHEET 1 FLANGE DELETION.pdf; 21D0015 SHEET 2 FLANGE DELETION.pdf

Justin,

Updated drawings attached with pricing as follows:

- 1. 316LSS Sch.40S with all flanges as shown on CDM Smith Dwgs....\$459,447.00.*
- 2. 316LSS Sch.40S with flange deletion....\$294,744.00.*

Delivery is currently at 10 weeks.

Pricing valid through the end of business today.

Mike

On Fri, Mar 18, 2022 at 3:41 PM Justin Grey <jgrey@petticoatschmitt.com> wrote:

Mike,

Just checking on the status of getting the pricing/lead times on these options.

Thank you,

[Justin Grey](#)

Assistant Project Manager



6380 Philips Hwy. * Jacksonville, FL 32216

Douglas
Brothers Div.

ROBERT MITCHELL CO., INC.

423 RIVERSIDE INDUSTRIAL PARKWAY, PORTLAND, MAINE 04103

TELEPHONE (207) 797 - 6771

FAX (207) 797 - 8385

April 16, 2021

To: Bidding Contractors

Attn: Estimating Dept.

**SCOPE OF WORK PROPOSAL No.3132
FOR SUPPLY ONLY OF
SHOP PRE-FABRICATED
STAINLESS STEEL PIPE SPOOLS**

BID: Robena Road Booster PS

Jacksonville, FL

Bid date/time: 4-20-2021 12:00 PM

Section: 15066

Addendum: 3 (see Clarification #1)

PRICING

✓ Can Be Sched 10 per Add #3
✓ Flange Type

Item No. 1: One lot of shop fabricated stainless steel piping spools for the above project.

Total Lump Sum Price* \$ 132,184.00 CPT Jobsite (excludes taxes)

*Pricing provided by Douglas Brothers is strictly limited to this scope of work proposal and is subject to the attached Terms and Conditions of Quotation and Attachment No. 1 except as noted herein or by written supplement.

SPECIAL CONDITION

→ includes shipping per phone call with office 20-Apr-21

Due to the ongoing instability in the pricing of stainless steel materials, this proposal is a **current value quotation** only based on material costs and raw material surcharges as of April 2021. We cannot predict and include any cost escalation that may occur prior to contract award and order placement; therefore this pricing is not to be considered firm for the duration of this project. Also, availability of material will be discussed at time of order placement. **We urge bidding contractors to add their own escalation factors to this quotation.** Our pricing will be reviewed at time of order acceptance, taking into account this project's requirements, our stocks, current market conditions, future escalation potential, and your delivery schedule. This condition overrules any general condition herein indicating firm pricing.

In addition, the US administration's Section 232 tariff ruling introduces an unpredictable element to our cost structure. Therefore, until this matter is settled all new orders are subject to review and additional terms prior to acceptance.

Retainage will not be accepted on orders.

SCOPE OF SUPPLY

Item No. 1. One lot of shop fabricated stainless steel piping spools for the following lines ...

8" to 20" Pump Discharge piping.

Per drawings: M-1, M-2, M-3, M-4, M-5, MD-1 and MD-2.

See also our highlighted drawings in attached file: 'DouglasBros.3132.fl.jacksonville.Scope.Rev0

CLARIFICATIONS AND EXCLUSIONS

- 1) We are not plan holders and may not be aware of all specifications and addenda on this project. Bidding contractors must inform us of all applicable requirements prior to bid or purchase. This proposal is intended for multiple bidders and may not conform to a specific

bidder's Request for Quotation. Bidding contractors must confirm that the above scope of supply as proposed meets their requirements for stainless steel piping spools on this project.

- 2) Pipe/Fittings are schedule 10s 316L A312/A403. Flanges are A182 316L 150# slip on.
- 3) Piping spools will be shop fabricated to 40-foot nominal lengths and 8-foot widths to **minimize field joints**. Pipe ends will be prepared for Couplings as shown on the drawings; **all couplings supplied by contractor**. **Flanged ends will be provided as shown on drawings**. There will be no butt welds.
- 4) Excluded are all valves, meters, equipment, controls, supports, hangers, anchors, harnesses, sleeves, seals, wall pipes, couplings, expansion joints, gauge and instrument piping, piping less than 3" dia., nuts, bolts, gaskets, insulation kits, special cleaning, painting, design, inspections, testing, special packaging, manuals, spare parts, tools and jobsite services.
- 5) Pipes and fittings are pickled and passivated at the point of manufacture. Final cleaning of shop fabricated piping spools, prior to shipment, shall be performed per Douglas Brothers current standard procedures utilizing mechanical/abrasive cleaning of accessible weld surfaces and other accessible areas to remove discoloration, followed by a clean water rinse. Final finish on piping spools will be No. 1 or better as supplied with the raw material, as allowed by the referenced ASTM pipe and fitting specifications, and with a general workmanlike appearance; no additional finishing operations are included for surfaces or welds.
- 6) Piping spools will be assembled in one or more of our DB Piping Group Company's fabrication shops in Portland, ME USA, Brockville, ON Canada and Boisbriand, PQ Canada; utilizing materials and components from our own or other global manufacturing sources. This proposal may not include a UA-union label on the shop fabricated piping spools, unless specifically noted.
- 7) This proposal is based on the project's piping drawings and specifications typically applicable to our product. We do not accept full compliance to all contract documents, terms, and conditions; and will address specific commercial issues and payment terms in any offered purchase order.

We trust that this proposal helps you with your bid and can lead to an acceptable order for our products and services. Please call us if you have any questions.

Douglas Brothers
per Franz Plourde
Water Piping Dept. Sales Manager

Enclosures: Terms and Conditions of Quotation, Attachment No. 1
DouglasBros.3132.fl.jacksonville.ScopeDWGs.Rev0



06:50:22 MAR 02 2022

Page 1 of 1

FEL-JACKSONVILLE WW -#149

Price Quotation

Phone: 904-268-2551

Fax: 904-268-2053

Bid No: B538654
Bid Date: 03/02/22
Quoted By: CT**Cust Phone:** 904-751-0888
Terms: NET 10TH PROX**Customer:** PETTICOAT-SCHMITT CVL CONT
6380 PHILIPS HWY - PLANT DIV
ROBENA RD BOOSTER PUMP ST
JACKSONVILLE, FL 32216**Ship To:** PETTICOAT-SCHMITT CVL CONT
6380 PHILIPS HWY - PLANT DIV
ROBENA RD BOOSTER PUMP ST
JACKSONVILLE, FL 32216**Cust PO#:** RUBBER FLAPPER CHKS**Job Name:** ROBENA RD BOOSTER PUMP ST

Item	Description	Quantity	Net Price	UM	Total
	ROBENA RD BOOSTER PS DEZURIK RUBBER FLAPPER CHECK VALVES ----				
SP-DCRF10100F1DI10	10" FLG RUBBER FLAPPER CHK VLV DI HOLD OPEN FOR BACK FLUSHING INC. W/ DISC POSITION INDICATOR	2	6967.000	EA	13934.00
SP-DCRF14100F1DI14	14" FLG RUBBER FLAPPER CHK VLV DI HOLD OPEN FOR BACK FLUSHING INC. W/ DISC POSITION INDICATOR	3	10305.000	EA	30915.00
Net Total:					\$44849.00
Tax:					\$2765.94
Freight:					\$0.00
Total:					\$47614.94

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.
COVID-19 ORDER: ANY REFERENCE TO OR INCORPORATION OF EXECUTIVE ORDER 14042 AND/OR THE EO-IMPLEMENTING FEDERAL CLAUSES (FAR 52.223-99 AND/OR DFARS 252.223-7999) IS EXPRESSLY REJECTED BY SELLER AND SHALL NOT APPLY AS SELLER IS A MATERIALS SUPPLIER AND THEREFORE EXEMPT UNDER THE EXECUTIVE ORDER.

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Scan the QR code or use the link below to
complete a survey about your bids:

<https://survey.medallia.com/?bidsorder&fc=149&on=59716>

1810.000		METERS - SECTION 351 METERS JEA STANDARDS III.2 PAGE 4				
1810.016		INLINE THREADED METER AWWA WATER METERS				
		1" AWWA THREADED METER W/ DIRECT READ REGISTER (BY OTHERS)	1 EA			
		2" AWWA THREADED METER W/ DIRECT READ REGISTER (BY OTHERS)	1 EA			
1850.000		SMALL DIAMETER VALVES			6,319	***
1850.016		BRASS MISC SMALL VALVES - DETAILS DRAWING MD-1			552	DETAILS DRAWING MD-1
		3/4" FIPT X 3/4" HPT THREADED BRASS HOSE VALVE W/ HAND WHEEL (WATTS SC-6)	2 EA	276.23	552	DETAILS DRAWING MD-1
1850.028		316 SSTL BALL VALVES - DETAILS DRAWING MD-1			5,766	***
		1" DOUBLE UNION 2 PIECE THREADED 316 STAINLESS BALL VALVE W/ LEVER OP	1 EA	481.90	482	
		1-1/2" 2 PIECE THREADED 316 STAINLESS BALL VALVE W/ LEVER OP	2 EA	208.32	417	DETAILS DRAWING MD-1
		2" 2 PIECE THREADED 316 STAINLESS BALL VALVE W/ LEVER OP	18 EA	270.43	4,868	
1870.000		HOSE & ACCESSORIES			312	DETAILS DRAWING MD-1
1870.005		HOSES - DETAILS DRAWING MD-1			312	DETAILS DRAWING MD-1
		1-1/2" X 50' RUBBER WASHDOWN HOSE W/ CONNECTIONS (CREAMERY T260LL/ DET D / DWG MD-1)	2 EA	156.19	312	DETAILS DRAWING MD-1
1905.000	ADDENDL	FIRE HYDRANTS DOM - SECTION 351 JEA STANDARDS III.2- PAGE 17			2,270	
1905.002	ADDENDL	AWWA FIRE HYDRANTS DOM			2,270	
	ADD	WET BARREL DOM FIRE HYDRANT, STAINLESS STEEL W/ 6" MJ INLET 3 WAY - 2 1/2" X 4" / 4 1/2 X 4" / 4 1/2"	1 EA	2,270.38	2,270	
2145.000	ADDENDL	AWWA GATE VALVES IRONBODY IMP			421	
2145.037	ADDENDL	C509 MECH JT NRS - LESS ACC 2" OP NUT (NO GEAR) IMP			421	
	ADD	6" C509 MECH JT NRS GATE VALVE LESS ACC W/ 2" OP NUT (NO GEAR)	1 EA	420.62	421	
2310.000		PLUG VALVES - JEA SECTION W&W 430			74,163	
2310.003		IRON BODY STD PORT MECH JT GEAR OPERATOR W/ 2" OP NUT			24,166	
		12" MECH JT IRON BODY PLUG VALVE STD PORT W/ GEAR OPERATOR/ 2" OP NUT	2 EA	2,370.50	4,741	
		16" MECH JT IRON BODY PLUG VALVE STD PORT W/ GEAR OPERATOR/ 2" OP NUT	3 EA	4,356.00	13,068	
		20" MECH JT IRON BODY PLUG VALVE STD PORT W/ GEAR OPERATOR/ 2" OP NUT	1 EA	6,356.90	6,357	
2310.013		IRON BODY STD PORT 125LB FLG LEVER OPERATOR (NO GEAR)			8,308	
		2" 125LB FLG 316 SSTL BODY PLUG VALVE STD PORT/ LEVER OPERATOR (NO GEAR)	5 EA	1,186.90	5,935	
		3" 125LB FLG 316 SSTL BODY PLUG VALVE STD PORT/ LEVER OPERATOR (NO GEAR)	2 EA	1,186.90	2,374	
2310.015		IRON BODY STD PORT 125LB FLG GEAR OPERATOR W/ HANDWHEEL			41,689	
		10" 125LB FLG IRON BODY PLUG VALVE STD PORT W/ GEAR OPERATOR/ HANDWHEEL	2 EA	1,727.00	3,454	
		12" 125LB FLG IRON BODY PLUG VALVE STD PORT W/ GEAR OPERATOR/ HANDWHEEL	1 EA	2,095.50	2,096	
		14" 125LB FLG IRON BODY PLUG VALVE STD PORT W/ GEAR OPERATOR/ HANDWHEEL	4 EA	3,482.60	13,930	
		16" 125LB FLG IRON BODY PLUG VALVE STD PORT W/ GEAR OPERATOR/ HANDWHEEL	1 EA	3,900.60	3,901	
		20" 125LB FLG IRON BODY PLUG VALVE STD PORT W/ GEAR OPERATOR/ HANDWHEEL	3 EA	6,102.80	18,308	
2430.000		CHECK VALVES - SPEC 15100-10 PARA 2.04			21,956	
2430.008		125/150LB FLG IRON BODY RUBBER FLAPPER SWING CHECK VALVE WITH BACKFLOW ACTUATOR			21,956	
		10" 125/150LB FLG IRONBODY RUBBER FLAPPER CK VLV W/ BACKFLOW ACTUATOR-WITH LIMIT SWITCH	2 EA	2,992.00	5,984	
		14" 125/150LB FLG IRONBODY RUBBER FLAPPER CK VLV W/ BACKFLOW ACTUATOR-WITH LIMIT SWITCH	3 EA	5,324.00	15,972	
2470.000		AIR VALVES - SPEC 15100-11 PARA 2.07			18,924	
2470.033		WASTEWATER AIR RELEASE STAINLESS BODY VALVE W/ BACKWASH ACCESSORIES FIP THREADED INLET & OUTLET			18,924	
		2" STAINLESS BODY VALVE W/ BACKWASH ACCESSORIES WASTEWATER AIR RELEASE W/ FLG INLET & OUTLET	5 EA	2,598.71	12,994	
		3" STAINLESS BODY VALVE W/ BACKWASH ACCESSORIES WASTEWATER AIR RELEASE W/ FLG INLET & OUTLET	2 EA	2,965.28	5,931	
2490.000	ADDENDL	TAPPING SLEEVES - JEA WATER STANDARDS SECTION 351 VIII.1			544	
2490.002	ADDENDL	STAINLESS STEEL FULL SEAL W/ DROP-IN BOLTS FOR DI OD W/ SSTL FLANGED OUTLET			544	
	ADD	8" x 6" STAINLESS BODY TAPPING SLEEVE - FULL SEAL W/ DROP-IN BOLTS FOR DI OD W/ SSTL FLANGED OUTLET (NO VALVE)	1 EA	543.81	544	
2500.000	ADDENDL	TAPPING VALVES			602	
2500.002	ADDENDL	TAPPING VALVES 2" OP NUT (NO GEAR) MJ X FLG IMP			602	
	ADD	6" CS15 MJ X FLG TAPPING VALVE W/ 2" OP NUT (NO GEAR)	1 EA	602.15	602	
2590.000	***	VALVE / CURB BOXES - JEA W&W STANDARDS SECTION 430 VI.1; VI.2			516	***
2590.002	***	CI VALVE BOXES			516	***



FERGUSON WATERWORKS-JAX #149
9692 FLORIDA MINING BLVD W
BUILDING #100
JACKSONVILLE, FL 32257
Phone: 904-268-2551
Fax: 904-268-2053

Deliver To: GORDON
From: Charles Tofferi
Comments:

14:58:34 MAR 14 2022

Page 1 of 1

FEL-JACKSONVILLE WW -#149

Price Quotation

Phone: 904-268-2551

Fax: 904-268-2053

Bid No: B539783
Bid Date: 03/11/22
Quoted By: CT

Cust Phone: 904-751-0888
Terms: NET 10TH PROX

Customer: PETTICOAT-SCHMITT CVL CONT
6380 PHILIPS HWY - PLANT DIV
ROBENA RD BOOSTER PUMP ST
JACKSONVILLE, FL 32216

Ship To: PETTICOAT-SCHMITT CVL CONT
6380 PHILIPS HWY - PLANT DIV
ROBENA RD BOOSTER PUMP ST
JACKSONVILLE, FL 32216

Cust PO#: CHANGE ORDER MTL

Job Name: ROBENA RD BOOSTER PUMP ST

Item	Description	Quantity	Net Price	UM	Total
	ROBENA RD PS CHANGE ORDER				

DR18GP12	12 C900 DR18 PVC GJ GREE PIPE	20	62.500	FT	1250.00
SSLCE12	12 PVC WDG REST GLND *ONELOK	11	123.000	EA	1353.00
SMGP12	12 MJ GSKT & BLT PK L/ GLAND	11	40.000	EA	440.00
MJ9LA12	12 MJ C153 90 BEND L/A	2	346.000	EA	692.00
MJ4LA12	12 MJ C153 45 BEND L/A	3	286.000	EA	858.00
SP-DCVS12250AF1DIF	12" FLG SWING CHK VLV	1	5250.000	EA	5250.00

Net Total: \$9843.00
Tax: \$665.59
Freight: \$0.00
Total: \$10508.59

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
Govt Buyers: All items are open market unless noted otherwise.

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Scan the QR code or use the link below to
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<https://survey.medallia.com/?bidsorder&fc=149&on=59716>

Justin Grey

Subject: RE: Crane Project

From: Kevin McElveen <kevin.mcelveen@beyel.com>

Sent: Thursday, October 1, 2020 12:17 PM

To: Aaron Browning <ABrowning@petticoatschmitt.com>; Joseph Fisher <JFisher@petticoatschmitt.com>

Subject: RE: Crane Project

Please see below. All are bare rental except taxi is w/operator.

	Daily	Weekly	Monthly
Crane, Crawler, 80T	1,232.00	\$ 3,520.00	\$ 9,120.00
Crane, Crawler, 100T	1,504.00	\$ 4,280.00	\$ 11,040.00
Crane, Crawler, 150T	2,032.00	\$ 5,800.00	\$ 15,040.00
Crane, Crawler, 200T	2,400.00	\$ 6,840.00	\$ 17,760.00
Crane, RT, 40T	704.00	\$ 2,000.00	\$ 5,120.00
Crane, RT, 50T	800.00	\$ 2,280.00	\$ 5,920.00
Crane, RT, 80T	1,176.00	\$ 3,360.00	\$ 8,640.00
Crane, Taxi, 40T (4hr min)	165.00/hr	\$ 5,880.00	\$ 18,400.00
Crane, Taxi, 60T (4hr min)	190.00/hr	\$ 6,920.00	\$ 20,960.00
Crane, Taxi, 80T (6hr min)	230.00/hr	\$ 8,360.00	\$ 24,800.00
Crane, Taxi, 100T(8hr min)	270.00/hr	\$ 9,720.00	\$ 28,320.00

Kevin McElveen

Sales Representative

Beyel Brothers Crane and Rigging

904-654-9697 cell

904-720-2228 office

904-446-9401 fax

5930 Orlando St.

Jacksonville, FL 32208





Formal Bid and Award System

Award #15 July 14, 2022

Type of Award Request: BID (IFB)

Requestor Name: Hamilton, Thomas R.

Requestor Phone: (904) 665-5797

Project Title: Construction Services for the SIPS-Southside Blvd Intertie to Deerwood III WTP - SIPS Water Main & Raw Water Main - Segment 2

Index Number: 102-34

Project Location: JEA

Funds: Capital

Budget Estimate: \$12,540,000.00

Scope of Work:

Construction of the SIPS-Southside Blvd. Intertie to Deerwood III Water Treatment Plant (WTP), SIPS Water Main and Raw Water Main - Segment 2 Project. The Scope of work specified herein the installation of approximately:

- 12,100 LF of 30-inch Ductile Iron Pipe (DIP) SIPS water main via open cut
- 10 LF of 36-inch DIP SIPS water main via open cut
- 200 LF of 30-inch DIP SIPS water main via Auger Boring at Gate Pkwy
- 880 LF of 36-inch HDPE SIPS water main via Horizontal Directional Drill at J.T. Butler Blvd/SR 202
- 70 LF of 10-inch PVC water main via open cut
- 35 LF of 8-inch PVC reclaimed water main via open cut

This project will improve the reliability and consistency of water pressures within the South Grid by providing a dedicated water feed to the Deerwood III WTP.

JEA IFB/RFP/State/City/GSA#: 1410677646

Purchasing Agent: Kruck, Dan

Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
TG UTILITY COMPANY, INC.	Alvaro Rios	arios@tgutility.com	526 Stockton Street, Jacksonville, FL 32204	(904) 394-7203	\$9,507,717.00

Amount for entire term of Contract/PO: \$9,507,717.00

Award Amount for remainder of this FY: \$0.00

Length of Contract/PO Term: Project Completion

Begin Date: 10/01/2022

End Date: Project Completion (Expected: May 2024)

JSEB Requirement:

Five Percent (5%) Requirement

Comments on JSEB Requirements:

M&J Striping, Inc. (Pavement Markings) - \$22,500.00 (0.3%)

RZ Services Group (Materials) - \$376,250.00 (4.7%)

D&J Erosion Control Specialists, Inc. (Silt Fence) - \$26,520.00 (0.3%)

BIDDERS:

Name	Amount
TG UTILITY COMPANY, INC.	\$9,507,717.00
DBE MANAGEMENT LLC; DBA DBE UTILITY SERVICES	\$9,774,533.29
T B LANDMARK CONSTRUCTION, INC.	\$10,580,000.40
CALLAWAY CONTRACTING, INC.	\$12,544,700.00
RUBY-COLLINS, INC.	\$12,991,446.00

Background/Recommendations:

Advertised on 05/16/2022. Ten (10) prime contractors attended the mandatory pre-bid meeting held on 05/26/2022. At Bid opening on 06/28/2022, JEA received five (5) Bids. TG Utility Company, Inc. is the lowest responsive and responsible Bidder. A copy of the Bid Form and Workbook are attached for reference.

The award amount of \$9,507,717.00 is approximately 24.2% lower than the budget estimate. When the estimate was created a water main from Validus Drive to Burnt Mill Rd was included. This water main was removed from the scope of this segment of work and included in a separate construction bid package. The estimate was not updated to reflect this change. The W/WW project staff have reviewed the bid price deemed it reasonable when compared to similar projects.

1410677646 – Request approval to award a contract to TG Utility Company, Inc. for construction services for SIPS-Southside Blvd Intertie to Deerwood III WTP - SIPS Water Main & Raw Water Main - Segment 2 project in the amount of \$9,507,717.00, subject to the availability of lawfully appropriated funds.

Manager: DiMeo, Elizabeth A. – Senior Manager, Project Management

Director: Conner, Sean M - Dir W/WW Project Engineering & Construction

VP: Vu, Hai X - VP Water Wastewater Systems

APPROVALS:

Chairman, Awards Committee**Date**

Budget Representative**Date**

Appendix B – Bid Form
1410677646 Construction Services for the SIPS-Southside Blvd Intertie to Deerwood III WTP - SIPS Water Main & Raw
Water Main - Segment 2

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

Company Name: TG Utility Company, Inc.

Company's Address: 526 Stockton Street, Jacksonville, FL 32204

License Number: CGC 1515282

Phone Number: 904-394-7203 FAX No: _____ Email Address: arios@tgutility.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 1410677646

TOTAL BID PRICE

Total Bid Price
(enter total from cell G71 in the Bid Workbook)

\$ 9,507,717.00


☒ 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 6/28/2022
Date

Alvaro A Rios / Project Manager
Printed Name and Title

1410677646 Appendix B - Bid Workbook

Construction Services for the SIPS-Southside Blvd Intertie to Deerwood III WTP - SIPS Water Main & Raw Water Main - Segment 2

(Only complete the Prices in Yellow Cells)

*Unless otherwise noted, this column refers to paragraphs /sections found in the latest edition of the JEA's Water & Wastewater Standards Manual.

This document can be found on www.jea.com.

**Reference found in this solicitation.

***Refer to 1410677646 Appendix A - Technical Specifications.

Company:

TG Utility Company, Inc.

Item No.	Spec No.	Est. Qty.	Unit	Description	Unit Price	Total Price
1	801.III.2.4	35	LF	Remove 8" PVC Reclaimed Water Main	\$13.00	\$455.00
2	801.III.2.4	35	LF	Remove 10" PVC Water Main	\$39.00	\$1,365.00
3	801.VII	4,300	SY	Sodding	\$12.00	\$51,600.00
4	801.VII	68,820	SY	Grassing/Seeding	\$1.80	\$123,876.00
5	801.VIII.3	60	SY	Pavement Removal (Asphalt) (COJ)	\$9.40	\$564.00
6	801.VIII.3	2,090	SY	Pavement Removal (Asphalt) (Parking Lot)	\$4.10	\$8,569.00
7	801.VIII.4	30	SY	Paving Repair - Cross Cuts and Patches - Asphalt (Type S-1: 3" Thick)(COJ)	\$87.00	\$2,610.00
8	801.VIII.4	2,090	SY	Paving Repair - Cross Cuts and Patches - Asphalt (Type S-1: 3" Thick)(Parking Lot)	\$25.80	\$53,922.00
9	801.VIII.4	20	SY	Paving Repair - Cross Cuts and Patches - Base (Limerock: 8" Thick)(COJ)	\$89.60	\$1,792.00
10	801.VIII.4	2,010	SY	Paving Repair - Cross Cuts and Patches - Base (Limerock: 8" Thick)(Parking Lot)	\$45.30	\$91,053.00
11	801.VIII.8	10,380	SY	Existing Pavement - Milling & Resurfacing (Parking Lot)	\$15.80	\$164,004.00
12	801.IX.2	420	SY	Remove Gravel Driveway (Gravel Access Road)	\$5.50	\$2,310.00
13	801.IX.3	800	LF	Remove Curb and Gutter (COJ)	\$4.60	\$3,680.00
14	801.IX.5	420	SY	Replace Gravel Driveway (Gravel Access Road)	\$9.00	\$3,780.00
15	801.IX.6	800	LF	Replace Curb and Gutter (COJ)	\$30.80	\$24,640.00
16	801.X	2,210	LF	Remove and Replace Barbed Wire Fencing	\$17.80	\$39,338.00
17	801.X	160	LF	Remove and Replace Chain-link Fencing	\$50.50	\$8,080.00
18	801.XII.1/933/934	10	LF	36"CLDI (PC 150) Pipe, RJ (SIPS WM) - by open cut	\$1,061.00	\$10,610.00
19	801.XII.1/934	7,036	LF	30" CLDI (PC 150) Pipe Push-on (SIPS WM) - by open cut	\$326.80	\$2,299,364.80
20	801.XII.1/933/934	5,028	LF	30" CLDI (PC 150) Pipe, RJ (SIPS WM) - by open cut	\$457.50	\$2,300,310.00
21	801.XII.1/933/934	36	LF	30" CLDI (PC 250) Pipe, RJ (SIPS WM) - by open cut	\$747.80	\$26,920.80
22	801.XII.1	70	LF	10" PVC DR 18 Pipe (WM) - by open cut	\$163.70	\$11,459.00
23	801.XII.1/934/935	200	LF	30" CLDI (PC 250) Pipe, RJ (SIPS WM) - by Auger bore (Gate Pkwy Crossing)	\$529.30	\$105,860.00
24	801.XII.2	8	EA	30" MJ Sleeve, RJ	\$9,851.00	\$78,808.00
25	801.XII.2	2	EA	36" 11.25° MJ Bend, RJ	\$9,669.00	\$19,338.00
26	801.XII.2	1	EA	30" 90° MJ Bend, RJ	\$8,381.70	\$8,381.70
27	801.XII.2	31	EA	30" 45° MJ Bend, RJ	\$8,236.40	\$255,328.40
28	801.XII.2	25	EA	30" 22.5° MJ Bend, RJ	\$7,669.50	\$191,737.50
29	801.XII.2	7	EA	30" 11.25° MJ Bend, RJ	\$7,202.90	\$50,420.30
30	801.XII.2	3	EA	30" x 30" MJ Tee, RJ	\$12,641.70	\$37,925.10
31	801.XII.2	2	EA	36" x 30" MJ Reducer, RJ	\$6,871.90	\$13,743.80
32	801.XII.2	3	EA	30" MJ Cap Tapped for 2"	\$4,153.60	\$12,460.80
33	801.XII.3/935	200	LF	48" Steel Casing - by Auger bore (Gate Pkwy Crossing)	\$3,122.10	\$624,420.00
34	801.XII.4/932	20	LF	36" Polyethylene Encasement	\$85.50	\$1,710.00
35	801.XII.4/932	12,300	LF	30" Polyethylene Encasement	\$4.00	\$49,200.00
36	801.XII.13	1	EA	Compliance Sample Tap	\$1,457.80	\$1,457.80
37	801.XIII.3/939	5	EA	30" MJ Gate Valve (Vertical)	\$52,624.40	\$263,122.00
38	801.XIII.3/939	3	EA	30" MJ Gate Valve (Horizontal)	\$52,624.40	\$157,873.20
39	801.XIII.7	2	EA	10" MJ Sleeve, RJ	\$2,569.10	\$5,138.20
40	801.XIII.7	4	EA	10" 90° MJ Bend, RJ	\$1,086.80	\$4,347.20
41	801.XIII.9	3	EA	2" Flushing Valve (Curb Stop), Below Grade (Detail W-28)	\$2,689.80	\$8,069.40
42	801.XXI.1	35	LF	8" PVC DR 18 Pipe (Reclaimed WM) - by open cut	\$150.80	\$5,278.00

1410677646 Appendix B - Bid Workbook

Construction Services for the SIPS-Southside Blvd Intertie to Deerwood III WTP - SIPS Water Main & Raw Water Main - Segment 2

(Only complete the Prices in Yellow Cells)

*Unless otherwise noted, this column refers to paragraphs /sections found in the latest edition of the JEA's Water & Wastewater Standards Manual.

This document can be found on www.jea.com.

**Reference found in this solicitation.

***Refer to 1410677646 Appendix A - Technical Specifications.

Company:

TG Utility Company, Inc.

Item	Spec	Est.	Unit	Description	Unit Price	Total Price
43	801.XXII.4	4	EA	8" 45° MJ Bend, RJ (Reclaimed WM)	\$1,362.30	\$5,449.20
44	801.XXII.4	2	EA	8" MJ Sleeve, RJ (Reclaimed WM)	\$2,377.30	\$4,754.60
45	801.XXIII.1/936	880	LF	36" HDPE DR 11 DIPS Pipe by HDD (JTB Crossing)	\$856.80	\$753,984.00
46	801.XXIII.2	2	EA	36" HDPE DR 11 DIPS MJ Adapter	\$9,243.60	\$18,487.20
47	913	1	LS	Field Office	\$31,185.00	\$31,185.00
48	930	1	LS	Remove and Relocate Light (Crossroad Church Easement Area)	\$3,335.00	\$3,335.00
49	938	2	EA	30" Flushing/Pigging Launch-Retrieval Station	\$17,226.30	\$34,452.60
50	940	24	EA	Manual Air Release Valve Assembly (MARV Detail)	\$2,163.90	\$51,933.60
51	946	16	EA	Speed Bump Removal (Parking Lot)	\$229.40	\$3,670.40
52	947	16	EA	Speed Bump Replacement (Parking Lot)	\$1,450.00	\$23,200.00
				Cash Allowances		
53		1	LS	Testing Allowance		\$50,000.00
54		1	LS	Law Enforcement Allowance		\$25,000.00
55	951	1	LS	Pipe Surcharge Allowance		\$210,000.00
56		1	LS	SWA (Supplemental Work Authorization)		\$627,000.00

SUBTOTAL (Includes Cash Allowance)

\$8,967,373.60

GENERAL/SPECIAL CONDITIONS (MAX. 10% OF SUBTOTAL)

\$540,343.40

Total Bid Price (transfer total to Page 1 Appendix B - Bid Form)

\$9,507,717.00

JSEB Overview

Base Bid Total (Less GCs and Allowances)	\$8,055,373.60
JSEB Requirement %	5%
JSEB Requirement \$	\$402,768.68