Welcome to the

JEA Awards Meeting

July 20, 2023, 10:00 AM EST

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

At the designated public comment time we will provide opportunity for you to unmute to speak.

During the meeting, public comments received via e-mail regarding any matter on the agenda for consideration will be read out. Per the Public Notice Agenda posted on JEA.com, public comments by e-mail must be received no later than 9:00 a.m. on the day of the meeting to be read during the public comment portion of the meeting.

Please contact Sarah Millsap by telephone at (904) 776-4311 or by email at millse@jea.com if you experience any technical difficulties during the meeting.

JEA Awards Agenda
July 20, 2023
225 North Pearl St., Jacksonville, FL 32202 - Hydrangea Room 1st Floor

Teams Meeting Info

Consent Agenda

The Chief Procurement Officer offers the following items for the JEA Awards Consent Agenda. Any item may be moved from the Consent Agenda to the Regular Agenda by a committee member asking that the item be considered separately. **All items on the Consent agenda have been approved by OGC, Budget and the Business Unit Vice President and Chief**. The posting of this agenda serves as an official notice of JEA's intended decision for all recommended actions for **Formal Purchases** as defined by **Section 3-101 of the JEA Procurement Code**. Please refer to JEA's Procurement Code, if you wish to protest any of these items.

Award #	Type of Award	Solicitation # & Short Description/Title	VP	Awardee	Funding Source	Award Amount	Original Award Amount	New Not-to-Exceed	Amendments	Term	JSEB Participation (Y/N) If Y, then list company name(s) (%, $ - awarded)
1	Minutes	Minutes from 07/13/2023 Meeting	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Contract Increase	1410223046 Integrated Resource Planning for Electric Generation Planning	Melendez	Black & Veatch Management Consulting, LLC	O&M	$1,093,568.00	$1,705,392.00	$3,670,856.00	11/28/22 $170,539.20 01/05/23 $701,356.80	Project Completion (Expected: 12/31/2023)	N/A (Not expected in this Contract Increase)
	Originally Awarded: 8/19/2021 For additional information contact: Jason Behr This request is for a contract increase in the amount of $1,093,568.00 for the Integrated Resource Planning (IRP) Services for a new not-to-exceed amount of $3,670,856.00. The increase is a result of the expanded scope of services included in JEA's 2030 goals which were approved by the Board of Directors on April 25, 2023. The expanded scope includes works that are required for the Florida Power Plant Siting Act (PPSA) regulatory process for commissioning a new highly efficient generating unit as a replacement for decommissioning less efficient generating unit, Northside Unit 3. The process starts with a refresh of the IRP modeling results with updated forecasts and technology costs, followed by execution of a Market Test to evaluate alternative projects to the project identified by the IRP, and preparation, submittal and defense of a Need For Power application under the PPSA. Current contract rates were used for the development of this revised scope.									
3	Piggyback/ Ratification	FY24 JEA Fleet Light Duty Vehicle Capital Purchase	McElroy	Beck Auto Sales, Inc.	Capital	$600,018.40	N/A	$600,018.40	N/A	One-time purchase, Expected delivery 10/30/2023	N
	Piggyback Agency: City Of Tallahassee Contract #5180 with Beck Auto Sales, Inc., Contract Term: Start Date 01/01/2022, Three (3) Years w/ One (1) - 2 Yr. Renewal For additional Information Contact: Eddie Bayouth This Piggyback/Ratification is for the purchase of twelve (12) vehicles for FY24 for JEA Fleet. JEA is Piggybacking off of the City of Tallahassee contract with Beck Auto Sales, Inc. since the vehicles are currently on their lot and are available once JEA upfits are complete (lighting, safety features, etc) which is estimated to be ninety to one hundred twenty (90-120) days. This is a full ratification because JEA needed to provide a purchase order to not lose the vehicles, and it was confirmed ahead of time there were funds in the capital budget. Six (6) of these vehicles are for W/WW Replacement for a total of $307,921.92, three (3) are for Electrical Expansion for a total of $143,367.10, and three (3) are for Electrical Replacement for a total of $148,729.38 for a grand total of $600,018.40 for FY24 Capital Purchases. The Ford F150 4x2 hybrids are priced at around $53K vs $54K we paid for the FY23 purchase. This is not a true apples to apples comparison as these are hybrid and we have bought regular engines, but in line with what we paid for the FY23. For the Ford F150 4x4, there is a $200 difference between the price we paid for FY23 and these units. The Explorer SUV is priced the same as the previous two (2) we have purchased from Beck this year. In light of the fact that the prices are approximately the same as what JEA paid for the FY23 purchases, the purchase prices are deemed justifiable.									
4	Contract Increase/Ratification	RFQ105278 Mitsubishi Dead Tank Breaker (GCBAR002) Spot Buy for Inventory Stock	McElroy	Mitsubishi Electric Power Products, Inc.	Inventory Blanket Account	$857,456.00	$214,364.00	$1,071,820.00	N/A	One-time purchase (Expected: 04/30/2025)	N
	Original Award: Informal 06/08/2023 For Additional Information Contact: Eddie Bayouth This Contract Increase/Ratification is for the purchase of eight (8) additional Mitsubishi Dead Tank Breakers (GCBAR002). Mitsubishi is the only approved manufacturer for item GCBAR002. Two (2) breakers were originally ordered on 06/08/2023 for inventory stock. After the initial order was placed, the need for an additional eight (8) breakers was identified for use in the Kennedy Control House Rebuild (Phase 2). Because of the extremely long lead times of over ninety (90) weeks, and the need to have these breakers delivered in Q2 of FY25, the decision was made to place the order for the additional eight (8) breakers and get the order in the Mitsubishi queue. Once in the queue, if any productions slots open up, the items may be expedited.									
5	ITN	1411001246 Licensing, Implementation, and Support of a Utility Consumption Tracker Solution	Stultz	Utility Consumer Analytics, Inc.	Capital & O&M	$1,997,250.00	$1,997,250.00	$1,997,250.00	N/A	Five (5) Years w/ One (1) - 1 Yr. Renewal Start: 10/01/2023 End: 09/30/2028	N/A
	Advertised on 11/28/2022 Bid Opening 01/18/2023 Seven (7) Bids Received Two (2) Bids Disqualified For additional information contact: Nickolas Dambrose The Responses were evaluated on price, company experience, professional staff experience, ability to meet the business requirements, and design approach and work plan. Best and Final Offers were solicited, and Utility Consumer Analytics (UCA) is deemed the highest ranking responsible and responsive Respondent. This request is for $1,997,250.00 for five (5) years of JEA's Tracker Solution for its customer usage. This solution provides modern, easy-to-use platform for JEA customers to view, track and trend their utility consumption through various JEA owned digital channels such as the jea.com website (current) and mobile app (forthcoming). The solution helps JEA customers better understand their consumption habits. It gives JEA customers the tools, tips and guidance to take control of the utilities they use and ensure a positive customer experience. UCA is the incumbent provider, and its proposed new contract pricing is very competitive. In addition, UCA received high rankings for its Design Approach and Workplan and its live demonstration of its proposed solution. It has performed well for JEA in the past. JEA's current solution is no longer being maintained and is being replaced in its entirety by UCA's proposed solution with enhanced functionalities. The award of this contract was delayed because of steering committee reviews and business priorities. JEA revised the implementation start date of this contract to be 01/01/2024 and is estimated to be completed 07/01/2024. UCA has accepted this revised implementation timeline and agreed to maintain all submitted bid terms and conditions. When compared to the existing contract, UCA's new rates for licensing services increased twenty-five (25%) percent from $0.36 per license to $0.45 per license. The new rates will be fixed throughout the first three (3) years of the five (5) year term. Thereafter, if requested, a price increase may be negotiated in accordance with the Consumer Price Index (CPI) for the renewal term. The award amount is within budget and shall begin next fiscal year.									
	Contract Increase	062-19 Water/Wastewater Capital Program Management	Melendez	Jacobs Engineering Group, Inc.	Capital, O&M	$1,760,185.00	$10,354,970.00	$46,789,158.00			

Award #	Type of Award	Solicitation # & Short Description/Title	VP	Awardee	Funding Source	Award Amount	Original Award Amount	New Not-to-Exceed	Amendments	Term	JSEB Participation (Y/N) If Y, then list company name(s) (%, $ - awarded)
6	Last Awarded 10/27/2022 For Additional Information Contact: Dan Kruck The scope of work for this contract includes program management activities for JEA's W/WW Capital Improvement Plan (CIP). These activities include overall coordination, engineering, construction and oversight of engineering and construction tasks. This contract increase is to add funding for the following projects: Main St WTP wellfield hydraulic model update, clear obstruction and remobilize rehab work at Deerwood Well 5, and phase one design and preconstruction services for DES expansion at the Shipyards and for the Laura St Trio. The rates used for the development of task orders under this contract have increase 2 % per year as negotiated when the contract was signed.								03/05/2020 - $11,762,643.00 03/25/2021 - $7,048,749.00 04/14/2021 - ($5,354,716.00) 09/09/2021 - $3,145,619.00 02/17/2022 - $6,724,253.00 10/13/2022 - $9,238,061.00 10/27/2022 - $1,754,627.00 03/01/2023 - $354,767.00	Five (5) Years w/Two (2) - 1 Yr. Renewals Start: 07/01/2019 End: 06/30/2024 Two (2) - 1 Yr. Renewals Remaining	N/A Each task order under this contract will be reviewed and given a JSEB requirement prior to it being issued to the contractor.
7	Request for Proposal (RFP)	1411214646 Protection and Controls Cabinet Manufacturing	Melendez	KEMCO Industries, LLC	Capital	$10,238,879.00	N/A	N/A	N/A	Five (5) Years, w/ Two (2) - 1 Yr. Renewals Start: 7/30/2023 End: 6/29/2028	N
	Advertised: 04/14/2023 Bid Opening: 05/23/2023 Five (5) Proposals Received For additional information contact: Rodney Lovgren The purpose of this Request for Proposal (the "RFP") is to select a Supplier that can provide the fabrication, manufacturing, testing, delivery and installation of new relay panels for various JEA system protection and control projects. Proposals were evaluated on the basis of; Price, Design & Work Approach and Experience. Kemco was the lowest priced and highest evaluated Proposal. Due to market conditions, JEA has changed the pricing approach to a combination of fixed price with an annual CPI adjustment (capped at 4%) for overall cabinet manufacturer with a cost plus component on relay supply, this benefits the business unit in managing costs and invoicing as well as will provide more consistency in forecasting budgets for future spend. Considering the range of the proposals received proposal price is deemed reasonable.										
8	Request for Proposal (RFP)	1411221846 NGS No. 6 Fuel Heat Trace Project	Melendez	BrandSafway Solutions LLC	Capital	$1,434,276.00	N/A	N/A	N/A	Project Completion (Q1, 2024)	N
	Advertised: 04/202023 Bid Opening: 06/20/2023 Three (3) Proposals Received For additional information contact: Rodney Lovgren At JEA Northside Generating Station (NGS), the fuel oil piping in the fuel oil storage containment area (tank farm) currently has steam tracing and insulation that requires demolition & replacement by the Contractor. After the demolition, the Contractor is responsible to install new electric heat tracing and insulation to all the fuel oil piping. JEA evaluated the companies based on price, work approach and experience. Brandsafway was deemed highest evaluated response. The award amount is 4.8% less than Budget Estimate and is deemed reasonable. The award is less than the Bid Amount, due to JEA not awarding the optional multiple Mobilization fee, at this time, since multiple mobilizations may not be required, depending on system piping conditions. The Award has a 10% SWA to cover contingency.										
9	Change Order	1410844646 Provision of Managed Services for Service Desk, Help Desk, Desktop Support, and Network Operations Center	Datz	Emtec, Inc.	O&M	$854,520.00	$5,539,000.00	$6,393,520.00	N/A	Five (5) Years with One (1) - 1 Yr. Renewal Start: 01/01/2023 End: 12/31/2027	N/A
	Originally Awarded: 12/15/2022 For additional information contact: Nathan Woyak This request is a change order for $854,520.00 for an increase in scope for as needed rate based project work requiring additional professional services as needed under the same service category throughout the term of the contract to allow scalability. The additional professional services rates were compared with the State of Florida contract and deemed competitive. The scope of work continues to provide JEA's Service Desk (Help Desk, Desktop Support including hardware refresh, and Network Operations Center Services). The services requested are intended to augment our existing Information Technology Services staff. The Tier 1 support team, Help Desk will operate 24x7 completing remote incident and request resolution. Tier 2 support team, Desktop Support Technicians will be required to respond to various locations throughout Jacksonville, FL. A work location will be provided for the desktop technicians inside JEA's major facilities.										
10	Piggy Back - GSA	Cohesity DataProtect – Licensing and Support	Datz	CDWG, Inc.	Capital	$3,599,225.00	$3,599,225.00	$3,599,225.00	N/A	Three (3) Years Start: 08/01/2023 End: 07/31/2026	N/A
	For additional information contact: Nickolas Dambrose This award piggybacks off of the public contract #OMNIA ESCR4 R210401 Tech Sol. Products/Services with CDWG which was competitively bid in 2019. This request is for a three (3) year subscription and accompanying software support for Cohesity DataProtect services. JEA's current backup systems include AvePoint, AvePoint Cloud(M365), Catalyst Object Backup, OCI (Only Oracle EBS currently) and Commvault with multiple, onsite HPE StoreOnce Appliances as the primary data repository with the exception of the cloud based services. The varied existing backup solutions other than Cohesity are disjointed in administration and limited in capability. In order to mitigate these deficiencies, the new Cohesity Platform has been chosen. This project will build out the new hybrid-cloud infrastructure and consolidate all existing backup platforms into the single solution. It is expected to take the remainder of FY23 and all of FY24 for full deployment and conversion of all backup systems. The price for the licensing and support has been fixed for three years. When compared to the average annual increase, JEA saves four(4%) percent on the three year duration of this award. In addition, upon expiration of this award if JEA chooses to renew this award, the same pricing will be fixed for an additional three (3) years. The award amount is within budget and shall be capitalized and FY23. JEA utilized the GSA contract because the pricing is competitive and for improved speed to market.										

Award #	Type of Award	Solicitation # & Short Description/Title	VP	Awardee	Funding Source	Award Amount	Original Award Amount	New Not-to-Exceed	Amendments	Term	JSEB Participation (Y/N) If Y, then list company name(s) (%, $ - awarded)
11	Contract Increase	1410621046 Galvanized Pipe Program Construction Services	Vu	Petticoat Schmitt Civil Contractors Inc.	Capital	$8,008,000.00	$7,000,000.00	$15,008,000.00	None	Five (5) Years w/ Two (2) - 1 Yr. Renewals Start: 08/01/2022 End: 07/31/2027	Task Order Based, Future Task Orders will be reviewed for JSEB requirements prior to being issued to vendors.
	Last Awarded On: 06/30/2022 For Additional Information Contact: David King Petticoat-Schmitt was one of three contractors awarded unit price contracts for capital projects Petticoat-Schmitt developed through the Galvanized Pipe Replacement Program. Projects in this program replace existing water mains that have reached the end of their useful lives and are being proactively replaced to maintain service to JEA customers. Unit prices have not increased since the contract start date. This contract increase is necessary for covering planned work until the end of the contract term.										
12	Developer Agreement	N/A - 2020-3267 2020-3267 Seaton Creek	Melendez	Lennar Homes, LLC / Jax Dirtworks, Inc.	Capital	$2,340,810.76	N/A	$2,340,810.76	N/A	Project Completion (Estimated February 2024)	N/A – Cost Participation
	Three (3) Bids Received by the Developer For Additional Information Contact: David King This is a private development project where JEA has identified improvements consistent with the JEA Cost Participation Policy and as such are eligible for reimbursement. The developer has followed JEA procurement directives by advertising and awarding to the lowest responsible bidder. The solicitation was advertised, and a pre-bid meeting was held on 09/16/2022. The developer requested bids for all the utility work and the project was awarded based upon the lowest bid total to the developer. Lennar Homes, LLC received three bids, with Jax Dirtworks, Inc. being the lowest responsive bidder with the JEA portion of the overall bid at $2,340,810.76. The JEA portion is approximately 10.4% below the JEA estimate of $2,612,728.60. The JEA estimate included the material, labor, and equipment. JEA is reimbursing in accordance with the cost participation policy and the bid amount is deemed reasonable. The Seaton Creek project (Avail. No. 2020-3267) will support the overall Seaton Creek Reserve Development which will consist of 800 single family residential units. This project is located within the District 2 (Cedar Bay) Sewer Basin and the North Water Grid. Upon completion of the Northwest WRF, the sewer flows from this development will be redirected to the Northwest WRF. The project elements are comprised as follows: Install 2,760 feet of 16" transmission water main (44% JEA participation) and upsize onsite master lift station to a Class III lift station with a 1,600 gpm capacity.										
13	RFP	1411026646 Lead and Copper Rule Revisions (LCRR) Development and Implementation Program	Young	CDM Smith, Inc.	Capital, O&M	$2,533,680.00	N/A	$2,533,680.00	N/A	Five (5) Years w/ Two (2) - 1 Yr. Renewals Start: 08/03/2023 End: 08/02/2028	N/A - Optional
	Advertised: 12/21/2022 Opened: 01/31/2023 Two (2) Proposals Received Public Evaluation Meeting: 03/02/2023 For Additional Information Contact: Dan Kruck The scope of work for this contract includes the development and implementation of a lead service line (LSL) database inventory and LSL Replacement program, program management, sampling and regulatory coordination, rule interpretation and overall compliance support with the requirements of the Lead Copper Rule Revision for JEA's water system which includes more than 400,000 water services connections. JEA contacted vendors that did not submitted and they stated it was a specialty engineering/software regulatory work that did not fit their services offered. JEA reviewed the proposed cost and deemed them reasonable when compared to current contracts. JEA IT security has reviewed the software component of the contract and has approved via an exception form.										
14	Invitation for Bid	1411251846 Generators FY24	McElroy	Zabatt Power Systems ACF Standby Systems, Inc.	Capital	$3,701,187.85 $716,334.00	N/A	$3,701,187.85 $716,334.00	N/A	Project Completion (Estimated: July 2024)	N/A - Optional
	Advertised: 05/25/2023 Opened: 07/06/2023 Three (3) Bids Received. For Additional Information Contact: Darriel Brown The scope of work for this contract is to obtain generator supply and installation services at the various locations detailed in the document titled Appendix B - Bid Workbook for lift stations throughout JEA's service territory (Duval, St. Johns, and Nassau counties). All Bidders have been pre-qualified by Facilities to provide generator equipment and installation services to JEA. The Bid Workbook requested pricing for fifteen (15) locations; each being unique with different size and site requirements. Zabatt was the lowest bidder for thirteen (13) of the sites and ACF was the lowest bidder for two (2) of the sites. The pricing was compared to previous bids and deemed reasonable. The award amount for remainder FY23 is listed at $0.00 as all spend is planned for FY24.										
15	Invitation to Negotiate (ITN)	1411180646 Heavy Duty Vehicle Maintenance	McElroy	Cumberland International Trucks Kenworth of Jacksonville, Inc. Tom Nehl Truck Company Ring Power Corporation	O&M	$882,578.61 $1,714,004.94 $2,281,278.27 $1,808,202.09	N/A	$6,686,063.91	N/A	Three (3) Years, w/ Two (2) - 1 Yr. Renewals Start: 08/01/2023 End: 07/31/2026	N
	Advertised: 03/24/2023 Optional Pre-bid: 03/30/2023 Responses Opened 04/18/2023 Negotiation sessions conducted: 06/01/2023 BAFO responses opened: 06/13/2023 For additional information: Eddie Bayouth This Invitation to Negotiate (the "ITN") is for the maintenance and repair services for JEA's Heavy Duty Vehicle Fleet. Services include: preventative maintenance, corrective maintenance, yard checks, road calls to support JEA operations and ad-hoc services. 254 Heavy Duty Vehicles and 18 VacJet assets will be included in this program.										

Award #	Type of Award	Solicitation # & Short Description/Title	VP	Awardee	Funding Source	Award Amount	Original Award Amount	New Not-to-Exceed	Amendments	Term	JSEB Participation (Y/N) If Y, then list company name(s) (%, $ - awarded)
Consent Agenda Action											
Committee Members in Attendance	**Names**	**Ted Phillips, Mark Stultz, David Emanuel**									
Motion by:	David Emanuel										
Second By:	Mark Stultz										
Committee Decision	Approved										
Consent and Regular Agenda Signatures											
Budget	**Name/Title**	Stephanie M Healy									
Awards Chairman	**Name/Title**	Theodore B Phillips									
Procurement	**Name/Title**										
Legal	**Name/Title**	Rebecca Lavis									

JEA Awards Agenda,
July 13, 2023
225 North Pearl St., Jacksonville, FL 32202 - Hydrangea Room 1st Floor

Teams Meeting Info

Consent Agenda

The Chief Procurement Officer offers the following items for the JEA Awards Consent Agenda. Any item may be moved from the Consent Agenda to the Regular Agenda by a committee member asking that the item be considered separately. **All items on the Consent agenda have been approved by OGC, Budget and the Business Unit Vice President and Chief**. The posting of this agenda serves as an official notice of JEA's intended decision for all recommended actions for **Formal Purchases** as defined by **Section 3-101 of the JEA Procurement Code**. Please refer to JEA's Procurement Code, if you wish to protest any of these items.

Award #	Type of Award	Solicitation # & Short Description/Title	VP	Awardee	Funding Source	Award Amount	Original Award Amount	New Not-to-Exceed	Amendments	Term	JSEB Participation (Y/N) If Y, then list company name(s) (%, $ - awarded)
1	Minutes	Minutes from 06/29/2023 Meeting	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Contract Increase	1410399647 Construction Services for Underground Water, Wastewater, and Reuse Grid Repair and Installation Services	Vu	J. B. Coxwell Contracting, Inc.	Capital	$2,200,000.00	$2,000,000.00	$6,400,000.00	4/19/2023 - $200,000.00 5/18/2023 - $2,000,000.00	Three Years with Two - 1 Yr. Renewals Start Date: 11/23/2021 End Date 12/14/2024 Two - 1 Yr. Renewals Remaining	Each task order under this contract will be reviewed and given a JSEB requirement prior to is being issued to the contractor.
	Last Award Approval: 5/18/2023 For additional information contact: David King JEA Delivery & Collection is requesting a $2,200,000.00 increase to the contract authorization of J. B. Coxwell Contract #JEA10794. This request is for a specific task order to be completed by J. B. Coxwell under this Construction Services for Underground Water, Wastewater and Reuse Grid Repair and Installation Services contract. JEA DES is expanding the chilled water system and needs to make use of this contract for preliminary construction work and the ordering of long lead time materials such as ductile pipe and the chilled water metering stations in order to meet JEA's schedule commitments to the future customers.										
3	Contract Increase	012-21 Blacks Ford Water Reclamation Facility Warehouse and Site Improvement Design Services	McElroy	BHIDE & HALL ARCHITECTS PA	Capital - 8006790	$47,000.00	$145,000.00	$197,500.00	06/27/2023 - $5,500.00	Project Completion Start: 04/01/2021 End: Expected by September 2024	This Increase: Eng Engineering, Inc. 11%, $5,170.00 (Mech, Elec, Plumb) Michael M. Agee 12.9%, $6,063.00 (Civil) G.M. Hill Engineering 11.9%, $5,593.00 (Structural)
	Originally Awarded: 03/25/2021 For additional information contact: Elaine Selders This request is for a contract increase in the amount of $47,000.00 for additional design services due to requested scope revisions for a new not-to-exceed amount of $197,500.00. The decision was made to move the warehouse to an alternative location at Blacks Ford due to the W/WW plant expansion from 6 MGD to 12 MGD. The change to the site location is expected to save the W/WW expansion project approximately $3,500,000.00. The hourly rates remain the same and the negotiated fees proposed have been deemed reasonable.										
4	Single Source	Solicitation #N/A Nassau Regional Water Reclamation Facility (WRF) Membrane Replacement	Vu	Kubota Membrane USA Corporation	Capital	$1,601,476.00	$1,601,476.00	$1,601,476.00	N/A	One-time purchase	N/A
	For Additional Information Contact: Lynn Rix This project will include the replacement of all 16,800 membrane cartridges. The current cartridges have advanced degradation due to inadequate screening, growth driven flow expansion in the service area of the WRF. The membranes are now operating at a fraction of their designed capacity due to their condition resulting in a reduced plant capacity. Delivery of the membranes is anticipated in four increments due to production timeframes with the first shipment 26 weeks after issuance of the PO, and subsequent shipments monthly thereafter. Plant personnel will install the replacement membranes. These membrane cartridges are only available for purchase through the original manufacturer.										
5	Single Source	Solicitation #N/A Nassau Regional Water Reclamation Facility (WRF) Screen Replacement	Vu	Ovivo USA, LLC	Capital	$367,138.00	$367,138.00	$367,138.00	N/A	One-time purchase	N/A
	For Additional Information Contact: Lynn Rix This project will include the replacement of one of the two influent screens with a rotating drum fine screen (Ovivo Ozzy Cup) to match the other existing screen. This project is being implemented in conjection with the membrane replacement. Replacing the screen to match the existing rotating drum screen will increase the life of the membrane cartridges in the future. The screen will be installed by private contractors while plant personnel will install the replacement membranes. These influent screens are only available for purchase through the original manufacturer.										
6	Miscellanous - InterAgency Agreement	Solicitation# N/A - P25 Radio System with COJ	Datz	City of Jacksonville	O&M	$1,895,131.44	$7,809,457.00	$12,271,006.70	10/28/2016 - $83,127.59 10/12/2017 - $6,522.82 11/13/2017 - $420,036.00 01/17/2019 - $1,185,984.00 11/09/2021 - $212,192.67 12/14/2022 - $658,555.20	Start: 05/30/2013 End: 09/30/2025	N/A
	For additional information contact: Nickolas Dambrose JEA originally entered into an inter-operations agreement with the City of Jacksonville for the replacement of the First Coast Radio System with the P25 Interoperable Radio System in 2013. Per City of Jacksonville bill number 2013-0303, the execution of an interagency agreement between the City and JEA is authorized for use by all public safety and utility agencies in the area, particularly in times of emergency response. The agreement is for a term of 12 years through September 30, 2025. This award requests seeks to fund JEA's share of annual operational costs of the P25 system in the amount of $1,895,131.44 through the end of FY25. This award amount includes the ongoing annual charges for JEA's approximately 1700 radios with current P25 radio maintenance costs of $33.06 per radio, per month. These are variable costs are billed monthly based on JEA's actual radio inventory. The cost per radio per month has increased from $20.59 to $33.06. JEA pays the same rate as all other system users (i.e. COJ, JSO, JFRD, and EOC). Also, COJ continues to do projects to expand and maintain the radio system in which costs are shared by all users. The cost per radio will be recalculated each budget year as part of the budget process, and is based on the Council approved costs for those functional areas. JEA has utilized a 10% price escalation for each year to estimate the likely future impact of the Council approved costs. The annual estimated costs are detailed below. Radio Count□ FY23 Rate□ FY24 Projected Rate (10%)□ FY25 Projected Rate (10%) 1700□ $33.06 □ $36.37 □ $40.00 Total Est Cost: $337,212.00 (6mo)□ $741,866.40□ $816,053.04 The largest driver of cost increase has been the relocation of the project master site from former JEA headquarters T18 to Ed Ball building and to add a back-up site at downtown Wells Fargo. The City does plan to add some additional sites in the future to ensure radio coverage/system resiliency. The award amount only covers the agreement through FY25 due to potential system upgrades which will be driven by COJ, Motorola, and system requirements. JEA may seek additional funds from the awards committee in FY24-25 for these additional projects, including but not limited to a redundant backup system, refresh of portable radios, refresh of mobile radios, radio site expansion, and the addition of microwave network radio sites. Upon completion of the FY'25 contract term, JEA anticipates signature a new agreement with the City of Jacksonville to maintain this scope of work.										

Award #	Type of Award	Solicitation # & Short Description/Title	VP	Awardee	Funding Source	Award Amount	Original Award Amount	New Not-to-Exceed	Amendments	Term	JSEB Participation (Y/N) If Y, then list company name(s) (%, $ - awarded)
7	Invitation to Negotiate	ITN 1411071046 Sale of Scrap Cable, Wire and Metal	McElroy	Trademark Metals Recycling, LLC	Investment Recovery	$8,768,293.70	NA	$8,768,293.70	NA	Three Years with Two - 1 Yr. Renewals Start Date: 07/15/2023/23/2021 End Date 07/14/2026	N/A
	Advertised: 04/21/2023 Optional Pre-bid: 04/27/2023 Site walk-through: 05/09/2023 Responses Opened 05/16/2023 Negotiation sessions conducted: 06/19/2023 BAFO responses opened: 06/29/2023 For additional information: Eddie Bayouth This Invitation to Negotiate (the "ITN") is to solicit pricing for the sale of scrap cable, wire, and metal produced by JEA and processed via Investment Recovery Operations. This scrap is processed from all portions of JEA, with revenue generated from surplus/scrap wire, cable, iron and steel generated by JEA Electric, Water, and Wastewater Departments. A large portion of the material is from used conductor and cable that is being replaced. Since JEA only recevied two (2) responses, JEA contacted all of the vendors that had been invited. After talking to them, it was determined that the scope of work was too large for a lot of the smaller local recyclers to handle. The evaluation criteria for this bid was based on the provider projecting the highest revenue to JEA, through having the highest percent of the applicable market index price of each of the 14 different groupings of material (copper, stainless stell, aluminum, etc.) going to JEA. The percent of the applicable index the provider keeps (inverse of the revenue % JEA receives), covers all expenses related to the sale and disposal of this goods. It was determined that while a small revenue increase could come from splitting off individual commodities for multiple awards, the best decision for JEA was to award one vendor the entire program. JEA will be paid based on the daily index rate for the applicable metal on the day each unique load is picked up.									

Consent Agenda Action

Committee Members in Attendance	**Names**	Ted Phillips, David Emanuel, Janie Smalley for Laura Schepis
Motion by:		Janie Smalley
Second By:		David Emanuel
Committee Decision		Approved

Consent Agenda Signatures

Budget	**Name/Title**	Stephanie M Nealy
Awards Chairman	**Name/Title**	Theodore B Phillips
Procurement	**Name/Title**	Lisa Pleasants for Jenny McCollum
Legal	**Name/Title**	Rebecca Lavie

Award #2 07/20/23 Supporting Documentation

Formal Bid and Award System

Award #14 January 5, 2023

Type of Award Request: CONTRACT INCREASE/RATIFICATION
Requestor Name: Goodrich, William – Electric Systems Engineer
Requestor #: 695
Requestor Phone: (904) 665-6604
Project Title: Integrated Resource Planning for Electric Generation Planning
Project Number: Cost Centers 10220 and 10001
Project Location: JEA
Funds: O&M
Business Unit Estimate: CC10220 - $634,396.00, CC10001 - $67,108.00

Scope of Work:

JEA is seeking the services of an Electric Generation Integrated Resource Planning (IRP) Services provider. The IRP shall provide a near-term to long-term strategic recommendation, with alternatives that address the following concerns:

- System reliability, system balancing capability, and adequacy of resources (i.e., FAC Rule: 25-6.035)
- Retirement and replacement for aging generating plants
- Integration of planned and future utility-scale solar facilities, and system ramping requirements.
- Land requirements and site locations for all new system additions
- Increased customer-owned Distributed Energy Resources (DER), Demand-side management (DSM), and Energy Efficiency (EE) adoption
- Increased Electrification adoption
- Effects of other emerging supply-side resource technologies
- Industry objective of lowering carbon emissions
- Potential legislative and/or regulatory mandates on carbon emissions, environmental quality, and renewable goals

JEA IFB/RFP/State/City/GSA#: 1410223046
Purchasing Agent: Lovgren, Rodney D.
Is this a Ratification?: YES

JEA elected to commence additional IRP services going into the holidays to preserve project schedule. Funding was available to support the purchase order increase. A PO change order of $634,396.00

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Original Contract Amount	This Increase Request	New NTE Amount
BLACK & VEATCH MANAGEMENT CONSULTING	Paul Maxwell	MaxwellP@bv.com	$1,705,392.00	$701,356.80	$2,577,288.00

Award #2 07/20/23 Supporting Documentation

Amount of Original Award: $1,705,392.00
Date of Original Award: 08/19/2021
Contract Increase Amount: $701,356.80

List of Previous Change Order/Amendments:

CPA #	Amount	Date	Reason
199573	$170,539.20	11/28/2022	To initiate scope for Distributed Energy Resources an integrated portion & required input for the IRP

New Not-To-Exceed Amount: $2,577,288.00
Contract Term: Project Completion
Begin Date: 09/15/2021
End Date: Project Completion (Expected: 12/31/2023)
JSEB Requirement: Optional

Original Award
Acuity Design Group – Consulting Support 5% - $85,269.60
Contract Increase 1
Acuity Design Group – Consulting Support 5% - $128,864.40

Background/Recommendation:
Originally approved by Awards Committee on 08/19/2022 to Black & Veatch Management Consulting LLC in the amount of $1,705,392.00. The original award is attached as backup. On 11/28/2022, an administrative 10% increase of $170,539.20 was approved support the commencement of the DER portion of the contract.

This award request is asking for approval to award a contract increase of $701,356.80 for the increase scope of services from refining the IRP project (described in detail in the IRP and DER proposals from Black & Veatch), which includes:

- Initiation of the DER
- Workshops and Stakeholder meetings with the development of comprehensive public involvement plan
- External website develop development & social media maintenance support
- Scenario and forecast presentations
- Modelling and plan results presentations
- Transmission analysis
- Various Fuels market forecast and impacts

Rates are fixed for the project estimated to be completed in December of 2023.

Request approval to award a contract increase to Black & Veatch Management Consulting LLC for IRP and DER services in the amount of $701,356.80, for a new total not-to-exceed amount of $2,577,288.00, subject to the availability of lawfully approved funds.

Manager: Fischer, Melinda – Mgr Electric Generation Planning
Director: Coarsey, John B. – Director, Electric T&D Planning
VP: Melendez Melendez, Pedro A– VP Planning & Engineering Construction

Award #2 07/20/23 Supporting Documentation

APPROVALS:

Stephen Datz 1/05/2023

Chairman, Awards Committee **Date**

Stephanie M Healy 1/06/2023

Budget Representative **Date**

Award #2 07/20/23 Supporting Documentation

Formal Bid and Award System

Award #3 August 19, 2021

Type of Award Request: PROPOSAL (RFP)
Requestor Name: Goodrich, William
Requestor Phone: (904) 665-6604
Project Title: Integrated Resource Planning for Electric Generation Planning
Project Number: HE10220
Project Location: JEA
Funds: O&M
Budget Estimate: $1,200,000.00, additional funds pulled from 30300
Scope of Work:

JEA is seeking the services of an Electric Generation Integrated Resource Planning (IRP) Services provider. The IRP shall provide a near-term to long-term strategic recommendation, with alternatives that address the following concerns:

- System reliability, system balancing capability, and adequacy of resources (i.e. FAC Rule: 25-6.035).
- Retirement and replacement for aging generating plants.
- Integration of planned and future utility-scale solar facilities, and system ramping requirements.
- Land requirements and site locations for all new system additions.
- Increased customer-owned Distributed Energy Resources (DER), Demand-side management (DSM), and Energy Efficiency (EE) adoption.
- Increased Electrification adoption.
- Effects of other emerging supply-side resource technologies.
- Industry objective of lowering carbon emissions.
- Potential legislative and/or regulatory mandates on carbon emissions, environmental quality, and renewable goals.

JEA IFB/RFP/State/City/GSA#: 1410223046
Purchasing Agent: Lovgren, Rodney
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
BLACK & VEATCH MANAGEMENT CONSULTING	Paul Maxwell	MaxwellP@bv.com	11401 Lamar Ave. Overland Park, KS 66211	916-847-1349	$1,705,392.00

Amount for entire term of Contract/PO: $1,705,392.00
Award Amount for remainder of this FY: $170,392.00
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 09/15/2021
End Date (mm/dd/yyyy): Project Completion (Expected: 12/31/2023)
JSEB Requirement: Optional
Comments on JSEB Requirements:

Award #2 07/20/23 Supporting Documentation

Acuity Design Group – Consulting Support - 5%
PROPOSERS:

Name	Rank
BLACK & VEATCH MANAGEMENT CONSULTING LLC	1
1989 & CO DBA / BURNS & MCDONNELL ENGINEERING COMPANY INC.	2
CHARLES RIVER ASSOCIATES	3
GDS	6
E-3	3
SIEMENS	5

Background/Recommendations:
Advertised on 02/02/2021. Thirteen (13) prime companies attended the mandatory pre-proposal meeting held on 02/09/2021. At proposal opening on 03/16/2021, JEA received six (6) Proposals. The public evaluation meeting was held on 04/30/2021. JEA deemed Black & Veatch Management Consulting LLC the most qualified to perform the work. A copy of the evaluation matrix and negotiated schedule and fees are attached as backup.

Each Company submitted job titles and hours forecasts for the scope of work in the solicitation. JEA reviewed the forecasts comparatively between submitting respondents. The hours submitted by Black & Veatch Management Consulting Services LLC was on the low-end to middle of the range of submitting companies for the various deliverables.

JEA last contracted Black & Veatch Management Consulting Services LLC in 2018 for rate design consulting services which had a weighted average hourly rate of $271.00. The weighted average hourly rate for this project is $268.00 / hour. The original budget of $1.2M did not include the following content, which increased production modeling efforts, analysis and reporting:

- More Complex Environmental assessment due to new legislative and regulatory (L&R) developments
- Additional Resource options to evaluate (i.e. hydrogen fuel to respond to L&R)
- CFB gas conversion conceptual proposal to develop and evaluate
- PURPA support (calculation of avoided cost for potential PURPA solar)
- Transmission constraints analysis (new unit siting and import capability)
- Additional scenario studies due to L&R uncertainty

JEA reviewed the forecasts and rates distribution for the scope of services. JEA deems the loading appropriate and consistent with how JEA envisions the work being completed. In consideration of the level of complexity of work being above a typical engineering engagement, the rates and compensation are considered reasonable.

1410223046 – Request approval to award a contract to Black & Veatch Management Consulting LLC, for Integrated Resource Planning Services in the amount of $1,705,392.00, subject to the availability of lawfully appropriated funds.

Manager: Fischer, Melinda L. - Mgr Electric Generation Planning
Director: Coarsey, John B. - Director, Electric T & D Planning
VP: Erixton, Ricky D. - VP Electric Systems

Award #2 07/20/23 Supporting Documentation

APPROVALS:

August 19, 2021

Chairman, Awards Committee **Date**

8/19/21

Budget Representative **Date**

PROPOSAL TO PERFORM IRP SERVICES – CHANGE ORDER #~~1~~2

Exhibit A to the Contract between JEA and Black & Veatch Management Consulting, LLC

JEA CONTRACT #JEA10637/ 199573

B&V PROJECT NO. 410163

PREPARED FOR

~~12 DECEMBER 2022~~5 JULY 2023

BLACK & VEATCH

Table of Contents

1.0 Receive Executed Contract from JEA

Our work will begin upon receipt of the executed contract from JEA. The work will be performed by a consulting team led by Black & Veatch Management Consulting ("BVMC") and including Black & Veatch Power ("BV Power"), nFront Consulting ("nFront"), Nexant and the Acuity Design group ("Acuity"), together the "Black & Veatch Team", "Team", "we" or "us".

2.0 Perform Communication and Management

2.1 PERFORM PROJECT MANAGEMENT

BVMC will manage the performance of the Team's work ~~from September 1, 2021 through September 22, 2023~~ except that BVMC may delegate the management of certain portions of the work to certain other groups within Black & Veatch as identified elsewhere in this document. BVMC will utilize an approach that follows Project Management Institute guidelines, with experienced project leadership working under a defined project plan using controls and tools to direct and manage the different tasks and meet the budgetary goals, timelines and objectives of JEA. The key elements of this project management process include the following.

- Defined Organizational Structure – The identified IRP Project Manager (Paul Maxwell) will have overall responsibility for performance of the work including scope, staffing and schedule. The identified BVMC Project Manager (Ms. Felise Man) will have day-to-day responsibility for performance of the work, with specific areas and deliverables delegated to subject matter experts and other team members.

- Roles and Responsibilities – Key team members and their roles and responsibilities have been identified in advance in the project plan, and their commitment is confirmed and they are identified to JEA in this proposal.

- Status and Review Meetings - the frequency and scope of meetings have been identified in advance in the project plan and are structured around the reporting needs of JEA.

- Deliverables –The number and timing of deliverables have been identified in advance in the project plan and all necessary predecessors and client decision timeframes have been considered.

- Project Schedule and Timeline – A detailed project plan has been developed based on the individual tasks, meetings, deliverables and milestones identified.

As the work progresses, the IRP Project Manager and BVMC Project Manager will work to track performance against the established project plan and identify any special issues, problems or risks that are likely to be encountered going forward. If and when such issues arise, we will immediately work with JEA to mitigate any impacts and revise the scope and schedule as necessary and in agreement with JEA.

2.2 PREPARE FOR AND PARTICIPATE IN IRP KICKOFF CALL AND DATA REQUEST

The Team will facilitate an IRP Kickoff call. The Team will provide a draft agenda and work with JEA to finalize the agenda. To facilitate discussions during the call, the Team will also issue a preliminary IRP Data Request to JEA prior to the call.

The Kickoff Call will be focused on the following objectives and activities:

- Introduce the JEA team and Black & Veatch Team members and discuss roles in developing the IRP.
- Discuss preferred methods for IRP-related communications.
- Discuss anticipated IRP stakeholder engagement.
- Discuss JEA's policy objectives (i.e. increased utilization of solar, with and without battery energy storage).
- Discuss methodology and responsibility for developing relevant forecasts and projections utilized throughout the IRP (for example, JEA's load forecast, consideration of demand-side management/energy efficiency/ conservation, fuel price projections, natural gas transportation, etc.).
- Discuss factors to be considered in developing the sensitivities and scenarios to be evaluated in the IRP (final sensitivities and scenarios will be developed as part of the IRP process).
- Discuss JEA's power supply planning situation and relevant considerations.
- Review and refine (as need) the IRP tasks and approach.
- Discuss IRP schedule.
- Discuss data to be provided by JEA/high-level initial review of data and assumptions that JEA has available.

Following the Kickoff Call, the Team will issue a memorandum summarizing the Kickoff Call discussions. The Team will utilize the IRP Data Request in conjunction with an IRP Action Item List to monitor status of data requests and IRP-related activities through completion of the IRP.

2.3 PREPARE FOR AND HOST BI-WEEKLY CALLS (OBJECTIVE 4.8.1)

Following the Kickoff call, members of the Team will prepare for and host progress conference calls once every other week (bi-weekly). The purpose of these calls is to update JEA Leadership and the JEA Project Manager with respect to progress/status, discuss relevant outstanding issues, and review and discuss preliminary IRP results.

2.4 PREPARE FOR AND PARTICIPATE IN ON-SITE PROGRESS MEETINGS (RFP 1.2.6.2).

2.4.1 Prepare for and Participate in a Scenario Workshop

Members of the Team will prepare for and participate in a workshop at JEA offices to finalize many of the details of scenario development. We expect that representatives from the Environmental, Legislative, Finance, Treasury, Fuels, System Operations, Plant O&M and DSM groups will participate and perhaps senior management as well. Topics for discussion will include economic parameters, application of legislative and regulatory rules/goals/mandates, carbon costs, demand and energy

forecast trends, DSM trends, etc. The purpose of the workshop is to provide the Team with an understanding of the bigger picture across JEA and for the representatives to gain insight and confidence in the IRP process.

2.4.2 Prepare for and Participate in 30% Review On-Site Meeting

Members of the Team will prepare for and participate in a conference call to review the draft 30% complete IRP. The agenda will include review of the developed supply-side options, the forecast reviews, development of the PLEXOS model including the data and key assumptions, and progress of the Solar Integration task.

2.4.3 Prepare for and Participate in 60% Review On-Site Meeting

Members of the Team will prepare for and participate in a conference call to review the draft 60% complete IRP. The agenda will include review of the initial modeling results, resource trends and further modeling recommendations and requirements, and preliminary results from the Solar Integration task. We will also discuss the draft Final report scope and requirements.

2.4.4 Prepare for and Participate in 90% Review On-Site Meeting

Members of the Team will prepare for and participate in a conference call to review the draft 90% complete IRP. The agenda will include review of the finalized modeling results.

2.4.5 Prepare for and Participate in Draft Final Report On-Site Meeting

Members of the Team will prepare for and participate in a conference call to review the draft Final IRP Report. The agenda will include review of the draft final report and other items as necessary.

2.4.6 Prepare for and Participate in Published Final Report On-Site Meeting

Members of the Team will prepare for and participate in a conference call to review the published final report. The agenda will include review of the final report and other items as necessary.

2.5 PREPARE FOR AND PARTICIPATE IN ON-SITE MEETINGS AFTER THE FINAL REPORT (RFP 1.2.6.2)

2.5.1 Prepare for and Participate in On-Site Review Meeting with JEA Leadership

After delivery of the final report, members of the Team will participate in a meeting with JEA leadership to present the report.

2.5.2 Prepare for and Participate in On-Site Review Meeting with the JEA Board

After delivery of the final report, members of the Team will participate in an internal meeting with the JEA Board to present the report.

2.5.3 Prepare for and Participate in On-Site Review Meeting with External Stakeholders

After delivery of the final report, members of the Team will participate in an external meeting with JEA and stakeholders to present the report to the stakeholders and other interested parties.

3.0 Perform Stakeholder Support

The Team, led by Acuity, will support JEA in facilitating workshops and stakeholders' meetings throughout the IRP process. They will engage with JEA in gathering and compiling stakeholders' input and concerns; educating and informing stakeholders to increase understanding of the IRP process, industry trends, challenges, and opportunities for JEA; and facilitate various stakeholder forums, to inform and discuss all pertinent aspects of the project recommendations as well as alternatives developed in this process.

Work will begin with development of a comprehensive public involvement plan and then identification and development of a stakeholder working group ("IRP Discussion Group"). Acuity will develop a preliminary list of group members for review and approval by JEA. In general, the group will be an inclusive, balance cross section of the community including low income and business interests. The Sustainability office and other agencies may be involved.

Acuity will support JEA with creation of meaningful calls including visualization services, translation services, the use of interactive charrette style activities and planned community dialogues. Each interaction will have a purpose and overall objective related to integrating the community. Acuity will also assist with tools and techniques that can be used to evaluate progress at regular intervals to make sure that we are meeting the overall stakeholder engagement needs of JEA.

Communication with the group will be through email as preferred by JEA versus a special purpose website.

Acuity will also seek to bring innovative tools to the process, including digital engagement such as crowd-sourcing campaigns, visual preference polling using renderings of proposed designs, text-based and interactive surveying, and collaborative community mapping and prioritization processes.

To support JEA stakeholder interactions, Acuity will also assist JEA with preparation of various presentations, graphics, data and output from the IRP process to inform the IRP Discussion Group. If and to the extent requested by JEA, Team members will also make presentations to the Group and interact directly with the group to enhance engagement, understanding and acceptance of the IRP process and key findings.

The progression of the Stakeholder support work will generally be as described in the following sections.

3.1 (NO LONGER USED)

3.2 (NO LONGER USED)

3.3 DETERMINE STAKEHOLDER GROUP MEMBERS

To support determination of stakeholder group members, Acuity will first research and recommend certain community and customer groups within the local Jacksonville area from which potential stakeholders may be identified. Acuity may also identify specific persons from the community that it recommends as stakeholders based on Acuity's knowledge of the persons interest in electricity, natural resources, Jacksonville residents and general interest and ability to be active in the stakeholder process. After discussion and decision making with JEA as to which groups and persons to invite, Acuity will work

closely with JEA to reach out to the selected groups and persons and to secure their interest in participation.

3.4 DEVELOP IRP BRANDING AND MATERIALS

Acuity will support JEA with development of IRP branding and related materials such as flyers, invitations, stakeholder reports and presentations.

3.5 DEVELOP AND MAINTAIN IRP WEBSITE

Acuity will support JEA in the development of a special website or landing page for the IRP stakeholder process including appropriate descriptive text, links to stakeholder reports and presentations.

3.6 DEVELOP AND MAINTAIN IRP SOCIAL MEDIA

Acuity will support JEA in the development and maintenance of social media pages and postings concerning the IRP including development of appropriate terminology, consistency between postings in public and stakeholder forums, responding to inquiries and helping to expedite responses as necessary.

3.7 PREPARE FOR AND PARTICIPATE IN STAKEHOLDER MEETING #1 - INTRO TO JEA AND IRP

The Team, led by Acuity, will prepare for and participate in the first stakeholder meeting for which the topic will be introduction to JEA and the integrated resource planning process. The Team will first provide a draft plan for the meeting including the agenda, proposed presentation topics and speakers and durations, descriptions of the topics, management of the meeting and stakeholders and the in-person and virtual participation details. The Team will then review the draft Plan with JEA during one of the bi-weekly calls and revise the plan as necessary. The team will also start drafting the presentation deck including necessary text, graphics and other visuals for each presentation topic that the Team will be presenting. The Team will then review the draft deck with JEA during one of the bi-weekly calls and revise the deck as necessary. The Team will continue to revise the deck during the days leading up to the meeting to include the latest available information and additional comments from JEA. If the workshop will be held in-person the Team members participating in the workshop will then travel to the JEA offices to participate in the meeting with other Team members participating via conference call. After the meeting, the Team will draft a post-meeting report for review by JEA and will participate in a post-meeting debrief with JEA during one of the bi-weekly calls. The Team will also assist JEA with response to stakeholder questions, comments and requests following the meeting.

3.8 PREPARE FOR AND PARTICIPATE IN STAKEHOLDER MEETING #2 - PRESENT SCENARIOS

The Team, led by Acuity, will prepare for and participate in the second stakeholder meeting for which the topic will be presentation of the proposed IRP scenarios to the stakeholders. The Team will first provide a draft plan for the meeting including the agenda, proposed presentation topics and speakers and durations, descriptions of the topics, management of the meeting and stakeholders and the in-person and virtual participation details. The Team will then review the draft Plan with JEA during one of the bi-weekly calls and revise the plan as necessary. The team will also start drafting the presentation deck including necessary text, graphics and other visuals for each presentation topic that the Team will be presenting. The Team will then review the draft deck with JEA during one of the bi-weekly calls and revise the deck as necessary. The Team will continue to revise the deck during the days leading up to

the meeting to include the latest available information and additional comments from JEA. If the workshop will be held in-person the Team members participating in the workshop will then travel to the JEA offices to participate in the meeting with other Team members participating via conference call. After the meeting, the Team will draft a post-meeting report for review by JEA and will participate in a post-meeting debrief with JEA during one of the bi-weekly calls. The Team will also assist JEA with response to stakeholder questions, comments and requests following the meeting.

3.9 PREPARE FOR AND PARTICIPATE IN STAKEHOLDER MEETING #3 - PRESENT FORECASTS

The Team, led by Acuity, will prepare for and participate in the third stakeholder meeting for which the topic will be presentation of the proposed load, fuel price, electric vehicles, customer sited solar and conservation and others to the stakeholders. The Team will first provide a draft plan for the meeting including the agenda, proposed presentation topics and speakers and durations, descriptions of the topics, management of the meeting and stakeholders and the in-person and virtual participation details. The Team will then review the draft Plan with JEA during one of the bi-weekly calls and revise the plan as necessary. The team will also start drafting the presentation deck including necessary text, graphics and other visuals for each presentation topic that the Team will be presenting. The Team will then review the draft deck with JEA during one of the bi-weekly calls and revise the deck as necessary. The Team will continue to revise the deck during the days leading up to the meeting to include the latest available information and additional comments from JEA. If the workshop will be held in-person the Team members participating in the workshop will then travel to the JEA offices to participate in the meeting with other Team members participating via conference call. After the meeting, the Team will draft a post-meeting report for review by JEA and will participate in a post-meeting debrief with JEA during one of the bi-weekly calls. The Team will also assist JEA with response to stakeholder questions, comments and requests following the meeting.

3.10 PREPARE AN INTERIM REPORT AND PARTICIPATE IN STAKEHOLDER MEETING #4 - PRESENT SUPPLY SIDE OPTIONS AND DSM POTENTIAL

The Team, led by Acuity, will prepare for and participate in the fourth stakeholder meeting for which the topic will be presentation of the proposed supply side options (new generating resources) and demand side management resources to the stakeholders. The Team will first provide a draft plan for the meeting including the agenda, proposed presentation topics and speakers and durations, descriptions of the topics, management of the meeting and stakeholders and the in-person and virtual participation details. The Team will then review the draft Plan with JEA during one of the bi-weekly calls and revise the plan as necessary. The team will also start drafting the presentation deck including necessary text, graphics and other visuals for each presentation topic that the Team will be presenting. The Team will then review the draft deck with JEA during one of the bi-weekly calls and revise the deck as necessary. The Team will continue to revise the deck during the days leading up to the meeting to include the latest available information and additional comments from JEA. If the workshop will be held in-person the Team members participating in the workshop will then travel to the JEA offices to participate in the meeting with other Team members participating via conference call. After the meeting, the Team will draft a post-meeting report for review by JEA and will participate in a post-meeting debrief with JEA during one of the bi-weekly calls. The Team will also assist JEA with response to stakeholder questions, comments and requests following the meeting.

3.11 PREPARE FOR AND PARTICIPATE IN STAKEHOLDER MEETING #5 - PRESENT PLEXOS AND INITIAL MODELING RESULTS

The Team, led by Acuity, will prepare for and participate in the fifth stakeholder meeting for which the topic will be presentation of the PLEXOS modeling tool and initial modeling results of the scenarios to the stakeholders. The Team will first provide a draft plan for the meeting including the agenda, proposed presentation topics and speakers and durations, descriptions of the topics, management of the meeting and stakeholders and the in-person and virtual participation details. The Team will then review the draft Plan with JEA during one of the bi-weekly calls and revise the plan as necessary. The team will also start drafting the presentation deck including necessary text, graphics and other visuals for each presentation topic that the Team will be presenting. The Team will then review the draft deck with JEA during one of the bi-weekly calls and revise the deck as necessary. The Team will continue to revise the deck during the days leading up to the meeting to include the latest available information and additional comments from JEA. If the workshop will be held in-person the Team members participating in the workshop will then travel to the JEA offices to participate in the meeting with other Team members participating via conference call. After the meeting, the Team will draft a post-meeting report for review by JEA and will participate in a post-meeting debrief with JEA during one of the bi-weekly calls. The Team will also assist JEA with response to stakeholder questions, comments and requests following the meeting.

3.12 PREPARE FOR AND PARTICIPATE IN STAKEHOLDER MEETING #6 - PRESENT REVISED MODELING AND STUDIES RESULTS

The Team, led by Acuity, will prepare for and participate in the sixth stakeholder meeting for which the topic will be presentation of revised modeling results and results from the special studies to the stakeholders. The Team will first provide a draft plan for the meeting including the agenda, proposed presentation topics and speakers and durations, descriptions of the topics, management of the meeting and stakeholders and the in-person and virtual participation details. The Team will then review the draft Plan with JEA during one of the bi-weekly calls and revise the plan as necessary. The team will also start drafting the presentation deck including necessary text, graphics and other visuals for each presentation topic that the Team will be presenting. The Team will then review the draft deck with JEA during one of the bi-weekly calls and revise the deck as necessary. The Team will continue to revise the deck during the days leading up to the meeting to include the latest available information and additional comments from JEA. If the workshop will be held in-person the Team members participating in the workshop will then travel to the JEA offices to participate in the meeting with other Team members participating via conference call. After the meeting, the Team will draft a post-meeting report for review by JEA and will participate in a post-meeting debrief with JEA during one of the bi-weekly calls. The Team will also assist JEA with response to stakeholder questions, comments and requests following the meeting.

3.13 PREPARE FOR AND PARTICIPATE IN STAKEHOLDER MEETING #7 - PRESENT PREFERRED PLAN

The Team, led by Acuity, will prepare for and participate in the seventh stakeholder meeting for which the topic will be presentation of the preferred IRP plan to the stakeholders. The Team will first provide a draft plan for the meeting including the agenda, proposed presentation topics and speakers and durations, descriptions of the topics, management of the meeting and stakeholders and the in-person and virtual participation details. The Team will then review the draft Plan with JEA during one of the bi-weekly calls and revise the plan as necessary. The team will also start drafting the presentation deck including necessary text, graphics and other visuals for each presentation topic that the Team will be

presenting. The Team will then review the draft deck with JEA during one of the bi-weekly calls and revise the deck as necessary. The Team will continue to revise the deck during the days leading up to the meeting to include the latest available information and additional comments from JEA. If the workshop will be held in-person the Team members participating in the workshop will then travel to the JEA offices to participate in the meeting with other Team members participating via conference call. After the meeting, the Team will draft a post-meeting report for review by JEA and will participate in a post-meeting debrief with JEA during one of the bi-weekly calls. The Team will also assist JEA with response to stakeholder questions, comments and requests following the meeting.

3.14 PREPARE FOR AND PARTICIPATE IN STAKEHOLDER MEETING #8 - PRESENT 90% DRAFT IRP REPORT

The Team, led by Acuity, will prepare for and participate in the eighth stakeholder meeting for which the topic will be presentation of the 90% draft IRP report to the stakeholders. The Team will first provide a draft plan for the meeting including the agenda, proposed presentation topics and speakers and durations, descriptions of the topics, management of the meeting and stakeholders and the in-person and virtual participation details. The Team will then review the draft Plan with JEA during one of the bi-weekly calls and revise the plan as necessary. The team will also start drafting the presentation deck including necessary text, graphics and other visuals for each presentation topic that the Team will be presenting. The Team will then review the draft deck with JEA during one of the bi-weekly calls and revise the deck as necessary. The Team will continue to revise the deck during the days leading up to the meeting to include the latest available information and additional comments from JEA. If the workshop will be held in-person the Team members participating in the workshop will then travel to the JEA offices to participate in the meeting with other Team members participating via conference call. After the meeting, the Team will draft a post-meeting report for review by JEA and will participate in a post-meeting debrief with JEA during one of the bi-weekly calls. The Team will also assist JEA with response to stakeholder questions, comments and requests following the meeting.

3.15 PREPARE STAKEHOLDER ENGAGEMENT REPORT

The Team, led by Acuity, will prepare a summary report concerning the stakeholder engagement process. The report will summarize each step of the process including determination of the stakeholders, development of IRP branding and materials, development and maintenance of the website and social media, and the results from each stakeholder meeting such as number of participants, types of questions raised by stakeholders, concerns addressed and stakeholder concerns remaining. A draft of the report will be provided for JEA review. JEA comments will be incorporated and the report will be finalized for inclusion as an exhibit to the IRP document.

4.0 Perform Integrated Resource Plan

4.1 PERFORM INITIAL WORK

The Team, led by nFront, will begin development of the IRP by first updating the overall scope and schedule to reflect the latest information and needs of JEA. The Team will then gather the necessary data and familiarize themselves with JEA resources and points of contacts. Using the data gathered, the Team will create a set of baseline assumptions that will be used throughout preparation of the IRP.

4.1.1 Refine IRP Scope (RFP 1.1.2)

The Team will revise or refine the base IRP scope and schedule as necessary to reflect results from the Kickoff Call. The overall IRP project plan will be updated and presented to JEA for review and comment, and when finalized will serve as the master plan until further update is required.

4.1.2 Acquire Data (RFP 1.1.2)

The Team will develop a preliminary IRP Data Request and issue it to JEA prior to the IRP Kickoff Call. The IRP Data Request will be refined throughout the IRP process and utilized to keep track of information requested by the Team and information that JEA provides in response to the Data Request. The IRP Data Request will also be utilized to develop an IRP Action Item List, which will be used to monitor status of IRP-related activities throughout completion of the IRP. The IRP Data Request and Action Item List will be discussed with JEA during the regularly scheduled calls.

4.1.3 Develop Scenarios and Sensitivities (Objective 4.1)

The Team will utilize information provided by JEA and developed in various other tasks of this IRP to develop the Base Case assumptions to be reflected in the IRP, including assumptions related to:

- JEA's load forecast (reflecting considerations of Demand-Side Management/Energy Efficiency/ Conservation, electric vehicle penetration, electrification, and customer-sited renewable generation).
- JEA's existing and future renewable and other generating resources (including owned generation as well as PPAs).
- JEA's fuel price projections, including natural gas transportation considerations.
- Estimated capital and operating costs for new supply-side options (including solar with storage and other generating alternatives)
- Environmental considerations, including potential future costs associated with emissions of carbon dioxide
- Clean and renewable energy standards.
- Retirement and modifications of existing generating units.
- Economic and financing parameters.

In addition to the Base Case analysis, the Team will develop and evaluate numerous sensitivities and scenarios to reflect changes to any of the considerations listed above, regardless of whether such considerations are driven primarily by economic, environmental, regulatory, internal policy, or other factors. The Team will facilitate discussion with JEA to identify potential sensitivities and scenarios that will be developed and evaluated. While such sensitivities and scenarios, and corresponding details to construct the sensitivities and scenarios, will need to be confirmed with JEA, the consideration reflected in the sensitivities and scenarios may include the following variations:

- Load forecast (Including changes to assumptions related to Demand-Side Management/ Energy Efficiency/ Conservation)

- Fuel prices, including natural gas transportation costs
- Economic and financing parameters
- JEA's percentage of annual generation from solar/renewables/clean power
- Capital and/or operating costs for new generating units
- Assumed unit retirement/modification dates
- 30% carbon neutral generation by 2030 as a sensitivity in all cases except where mandated

The scenarios will generally resemble the last IRP and may include the following:

1. Baseline or BAU - This would be an expected pathway without carbon costs. It may include no resource changes in the base plan, or it may include Northside Unit 3 ("NS3") retirement and replacement as the base plan.

2. DSM and Rooftop Solar - This would include destruction of demand and energy sales due to increased demand side management ("DSM"), rooftop solar PV implementation, or any other factors reducing load.

3. Increased Electrification - The primary driver in this scenario would be increased Plug-In-Electric Vehicle (PEV) and plug-in-hybrid electric vehicle (PHEV) penetration.

4. Green Economy - Green economy would be an economy wide response to GHG legislation and other drivers. It may include the following; JEA 30% zero emitting energy by 2030, forced solid fuel retirement, any form of RPS, carbon costs and/or legislated GHG reductions.

5. Economic Downturn – Generally, the same regulatory climate as Green Economy except cost drives a downturn rather than a growth economy.

6. Future Net Zero – Carbon emissions from the JEA generation portfolio fall to zero by the end of the study period (described in more detail below).

All this might be lumped into one scenario, or it may be more prudent to separate into multiple scenarios. It may be prudent to have a separate Green Economy type scenario that allows nuclear solutions and one that does not. For purposes of this proposal, we assume that the 6 scenarios listed above will be performed.

Based on prior experience, it is likely that in CO2 cost scenarios (RPS or 30% renewable commitment by 2030) a significant quantity of solar PV will be added up front. Non CO2 scenarios may likely have to show a certain amount of solar PV addition as well. It may be necessary to force a minimum amount of solar PV into selected non-CO2 scenario resource plans.

Given the current broad interest in the industry around carbon reduction and achieving "net zero", a scenario will be performed to forecast the type, capacity and timing of the new non-carbon emitting resources that JEA would need to add and the existing carbon emitting resources that it would need to retire in order for CO2 emissions from the overall generating portfolio to decrease towards zero by the

end of the study period (the "Future Net Zero" scenario). This scenario will consider a renewable % and/or carbon reduction glidepath as well as high carbon costs and high gas prices.

It may be necessary to identify the incremental cost of a 50MW 4 hr battery peaker in each scenario. Unlike a Static Reserve Solution (discussed elsewhere in this proposal), this battery would be forced into the resource mix and used routinely for dispatch. This might be most easily achieved by taking the constraints from best resource plans for each scenario, dropping off (1) 7B CT and re-running the PLEXOS model. The expected static reserve operating profile for the lead static peaker would be considered along with the results from this modeling to develop/validate battery O&M costs.

4.2 PERFORM ENVIRONMENTAL ASSESSMENT

The Team, led by BV Power, will assess numerous environmental issues that may impact the supply side options that will be considered for the IRP. This assessment includes an overview of the broad range of environmental issues and regulations, as well as specific assessments related to the Northside options, development of the new sites, and development of the gas delivery options discussed elsewhere in this proposal.

4.2.1 Assess Carbon, Air, Water and other Environmental Issues

Carbon
We will provide an overview of Greenhouse Gas (GHG) legislation that can potentially result in costs as well as financial benefits to JEA. We will also consider the Clean Futures Act which may be included in the pending Infrastructure Act, in particular the ability of JEA to buy credits. We will evaluate IRS 45Q Credits for Carbon sequestration for public entities like JEA. We will also consider the regulatory path forward related to potentially netting out for CO2. or purchase carbon credits.

Air
With respect to current air quality issues, we will evaluate Ambient Air standards (NAAQS) for particulate matter (PM) and ozone specifically. We will also evaluate hazardous air emissions (NESHAP) rules for mercury (Hg), formaldehyde and potentially others. We will also review current and potential NSR/PSD permitting rules particularly as it relates to the Northside life extension options.

Water
We will assess cooling water intake rules (316(b)) and how they may impact resource options for JEA. We will also evaluate the hydraulic connectivity ruling that could impact the NPDES permitting at the Northside Generating Station. Water reuse will also be evaluated since any new cooling water has to come from reuse if available. This will help compliance with the recent state legislation eliminating wastewater surface discharge by 2032. Injection wells for cooling tower blowdown versus wastewater treatment will be evaluated due to salinity or sodium concerns especially on the South grid reuse.

Environmental Science and Ecology
We will provide an overview of the ongoing evolution of Florida wetlands regulations and the potential impact to permitting (404) of activities that may impact regulated wetlands. We will also evaluate new storm water requirements. We will provide an overview of the increased consideration of environmental justice in environmental decision making. The potential regulation could result in future costs to mitigate impacts and/or grant opportunities to support disadvantaged communities. For example, environmental justice concerns could require gas line routing to avoid disproportionate impacts. We will also provide a high level overview of climate resiliency considerations with respect to future generation projects, leveraging publicly available information related to climate change impacts

in Florida. We will also provide an overview of environmental considerations/regulatory programs impacting the siting, cost and timing of new solar facilities. Key considerations will include wetlands permitting, T&E and environmental justice. We will also perform a high level geologic review of the potential for carbon sequestration in consideration of IRS regulation 45Q concerning tax credits for sequestration.

Solid Waste and Hazardous Materials
We will evaluate coal combustion residuals (CCR) issues which are relevant for supply side options that involve solid fuel particularly since a potential new landfill would likely be required for compliance. We will also provide an overview of polyfluoroalkyl substances (PFAS) regulation and potential impact particularly with respect to concentrated levels of PFAS in cooling tower discharge and therefore mitigation costs to JEA.

4.2.2 Assess Environmental Issues for Northside, New Sites and Gas Delivery Options

Under this task we will assess the environmental issues specific to the Northside options (new generation, retirement, life extension), the options for the existing and potential new sites identified under the other tasks (North Jax, GEC, solar/battery and distributed resources), and the gas delivery options identified under the gas delivery options task. The following issues will be assessed.

Socioeconomics
- Proximity to Roadways
- Proximity to Sensitive Receptors
- Displacement of Residences

Land Use
- Site Ownership
- Land Use Compatibility
- Environmental Justice
- Site Area Risks

Air Quality – Proximity
- Proximity to Single PSD Class I Area
- Proximity to Multiple PSD Class I Areas
- Proximity to Non-Attainment/ Maintenance Areas
- Proximity to Other Sources

Permitting Considerations
- Air Quality Permit ability
- Environmental Permit ability

Ecology
- Habitat Quality and Threatened/ Endangered Species Potential
- Wetlands/Water of the US

Cultural Resources
- Archaeological or Historic Resources

Technical Considerations Site Development Factors
- Site Development
- Site Expansion
- Wastewater Disposal Options
- Water Availability
- Proximity to Viable Sources of Water

4.3 DEVELOP SUPPLY SIDE RESOURCE OPTIONS AND ALTERNATIVES

Under this task, the Team, led by BV Power, will develop supply-side resource options (the "SSOs") for modeling in the IRP. The work will consist of three components; 1) an update of the generic technology, cost and performance estimates that Black & Veatch performed in support of the 2019 IRP (the "Generic SSO Update"), 2) development of some additional SSOs not included in the previous IRP, update of siting considerations for generic SSOs at North Jax and GEC, and R&R estimates to support various life extension cases for existing units , and 3) estimates for longer-term alternatives to the 20 year Vogtle PPA which is scheduled to begin in late 2021 (the "Vogtle PPA SSOs").

4.3.1 Update Generic Supply Side Options from the 2019 IRP (Objective 4.4)

The Generic SSO Update will be performed by the Team and will include an update of the overview of commercially available SSOs, including frame combustion turbine generators ("CTGs"), aeroderivative CTGs, spark ignition reciprocating internal combustion engines ("RICEs"), and solar photovoltaic ("PV") systems with and without battery storage systems. An update to the order-of-magnitude estimates of capital costs, operating and maintenance ("O&M") costs, thermal performance and stack emissions (for gas-fired resources) and the solar PV and energy storage resources will also be provided. The update will also consider the future cost trends for solar with and without energy storage. The update will be based on the same siting assumptions used previously, updated as discussed elsewhere in this proposal. These SSOs will be used for assessing the gas-fired alternatives at the "North Jax" site, which includes Northside Generating Station (NGS) and a portion of the former St Johns River Power Park ("SJRPP") site, and the Greenland Energy Center ("GEC") site discussed elsewhere in this proposal.

Resource options will include traditional and renewable supply-side options. In past JEA IRPs the GE product line has been used as surrogate SSOs for other vendor products including Mitsubishi Power Americas (MPA), formerly Mitsubishi-Hitachi Power Systems (MHPS), and by Siemens. Also, following development of resource options, an LCOE screening has been performed to eliminate options that are not cost effective. This has been done to minimize the options entering the optimization process, and therefore reduce run time. This IRP will continue to employ the same methodologies, with one exception, that select MPA and Siemens options will be examined to a level comparable to similar GE options. A representative option (GE or other) can then be selected for use in production modeling. Anticipating part of the output of this IRP based on the 2019 IRP results, JEA wants to be better prepared for IRP follow-up activities, including selecting a specific vendor technology and refreshing IRP runs in support of the Market Test and Need For Power (NFP) process discussed elsewhere in this proposal.

In general, the generic SSOs will be the same as the last IRP plus some additions. The range of options includes, but is not limited to, the following:

- Wartsila 50DF reciprocating engine. We will consider the governor performance of model 50SVG and other models which require 1% distillate to run gas.
- LM6000 pairs, dual-fuel, 2x0.
- LMS 100, dual-fuel, 1x0.
- 7FA.05, dual fuel, 1x0, 1x1, 2x1.

- 7HA.02, dual-fuel, 1x0, 1x1, 2x1, 3x1. We will discuss with JEA system operations about unit size and trip schemes which is particularly important in the evaluation of NS 1-3 retirement.
- GEC 7FA.03 upgrade to 7FA.05 Hybrid, dual-fuel, 1x1, 2x1.
- A 50-80 MW biomass unit, greenfield or brownfield, at NGS.
- Small modular reactor ("SMR") nuclear in 100MW block increments, with JEA having an ownership interest in a consortium (not self-build/operate), over a 15-20 year time horizon.
- Gen III nuclear in 100MW block increments, with JEA having an ownership interest in a consortium (not self-build/operate), over a 15-20 year time horizon.
- Solar PV under JEA ownership as well as under a PPA.
- Battery Peaker, 50MW-4 hr for use as a peaker not for integrated solar smoothing, sited at GEC or NGS, including O&M and lifecycle cost for expected usage, including battery R&R / augmentation.
- 5x50 Solar Smoothing Battery sized as needed (possibly 25MW-2HR) integrated with committed 50MW site, including O&M and lifecycle cost for expected usage, including battery R&R / augmentation.
- 74.9 MW solar Smoothing Battery sized as needed (possibly 35MW-2HR) to integrate with proposed solar sites including O&M and lifecycle cost for expected usage, including battery R&R / augmentation.
- Other novel renewables that will be mature, viable and applicable such as offshore wind or wave energy that are expected to be cheaper than nuclear or biomass and pass the LCOE screening.

Air cooled condensers will be considered for the combined cycle options, with special consideration given to operating noise impacts. Performance estimates will be updated to include parameters such as ramp rates, start times and reduced-load overnight operating modes.

4.3.2 Develop North Jax and GEC Replacement SSO Assumptions (Objectives 3.1 and 3.2, RFP 1.1.2)

The North Jax/GEC SSOs will also be developed by the Team. The Team will utilize results from the Generic SSO Update to develop SSOs sited at North Jax and GEC. These SSOs will be made available as appropriate for cases assuming retirement of various combinations of the existing Northside generating units (Units 1,2,3 and CTs). BV Power will consider the requirement for black- start capability for replacement of the Northside CTs.

The Team will evaluate life extension and retirement considerations for Northside Unit 3 and the four Northside combustion turbines. This evaluation will be initiated through an initial review and characterization of the equipment conditions and history (to be provided by JEA), including operational and maintenance data and future expected operating and maintenance regime. The review will include known issues from the history of the facility and issues that the Team would expect to be drivers of

availability and reliability in the future. The evaluation will include review of the following information for Northside Unit 3 and the four Northside combustion turbines:

- Equipment description and ratings
- Operating data (Operating hours, fuel usage and consumption, heat rate, forced and scheduled outages)
- Maintenance history (Inspection reports, previous overhauls, equipment replacement)
- Historical maintenance costs
- Maintenance and capital budgets
- Fuel quality
- Emissions reports
- Environmental permits
- Environmental compliance planning studies and filings
- Staffing

Results of the evaluation will include a narrative description of findings and estimated remaining component life, along with a list of recommended inspections, repairs and/or replacement actions which should be performed for continued safe and reliable operation of the critical equipment. Estimated capital costs and operational impacts, and anticipated schedule for performing the actions will be provided. Costs will be broken down into material, installation, and miscellaneous costs including engineering and contingency. Testing that can be performed to enhance the assessment will also be identified. Estimated capital and maintenance costs associated with continued operations of the units will be compared to retirement of the units as part of the PLEXOS sensitivities discussed previously in this proposal.

Northside Unit 3

The potential retirement and replacement of Northside Generating Station Unit 3 (NS3) will be evaluated. Retirement will be assumed to take place in Spring of 2028. It will be assumed that no other units are retiring. This is driven by the potential avoidance of 316(b) compliance costs, capital renewal and replacement ("R&R") and expected GHG legislation.

In the PLEXOS modeling of this option, retirement will be evaluated against a range of Supply Side Options (SSO), as well as Demand Side Management Options (DSM) unique to each scenario. Upgrade of NS3 for a finite duration (probably 15-20 years) will also be evaluated for reference. Northside 1&2 will be retained except in scenarios that require their retirement. Siting replacement capacity at North Jax will be optional but not required for the first increment of capacity retired at Northside. Subsequent retirements will require capacity addition at North Jax (transmission reasons). We will leverage available data as much as possible and focus on capital needs over the next 15 years. If New Source Review is required, upgrade will likely not be feasible.

Northside CTs

The Northside CTs (NCT3, NCT4, NCT5 and NCT6) are in a unique situation. They are near 50 year-old oil-fired 50MW 7B CTs. These units are effectively a static solution to mandated spinning reserve for reserve pool calls. Looking at historical data since SJRPP retirement, ranking them by the number of units called (vs by starts/unit), on average in one year the first unit is called 125 times, the 2nd is called 70 times, the 3rd 25 times and the 4th 12 times. Though they are counted as system capacity, they typically only run to supply system capacity during extreme winter peak or unit forced outage. Average run time is 2 hours for units ranked 1-3 and 3 hours for the 4th unit. Maximum runtime for all ranks is 10 hours. The long runs are winter scenarios (which were mild across this data), and the rest of the runs are predominantly reserve pool calls. These units will be evaluated for life extension, upgrade and for a limited range of similar (peaking) in-kind potential replacements. Information for assessing life extension on the Northside CTs will be sourced from the JEA O&M group, with a focus on 15 -20 years of life extension.

In the PLEXOS modeling of this option, life extension would be the base case assumption, with Capital R&R expectations for these units added to the scenario cashflow. At this time, it appears there may be two potential approaches to demonstrate: a Spinning Reserve Solution and a Static Reserve Solution:

- Spinning Reserve Solution – The Team will evaluate the potential to do without the Northside peakers by having adequate, modern, efficient capacity on the system and on-line, and by reserving the desired amount of spinning reserve capacity to cover reserve pool calls. Presumably this would result in taking the initial constraints from the favorable plans produced for the primary drivers above (in each scenario), deleting these 7B assets (i.e. adding a 200MW need), re-optimizing, setting the reserve pool constraints, and re-running. The resulting cost delta (from the case with these units) in each scenario would determine the effective cost of the spinning reserve solution vs the cost to continue to use the units as static reserve. We will also consider the following resource options:
    - Low-cost dual-fuel conversion of existing 7B units with necessary capital R&R
    - 7B to 7E dual-fuel upgrade of existing units (discuss viability with O&M)
    - LM 6000 pairs
    - A 50MW 4 hr battery peaker
- Static Reserve Solution – The Team will evaluate addition of a battery peaker in place of one unit and capital R&R upgrades on the rest of the units. This battery peaker would not be dispatched routinely for system load so adding it in place of a 7B CT would not affect dispatch so this solution would not have to be production modeled. The cost of this option will likely merely be the added capital cost of (1) battery system less the R&R on one CT. This battery peaker will be modeled for a winter peak day and an extreme winter peak day with (3) CTs still available (the Extreme Winter Assessment scenario discussed elsewhere in this proposal). Results may show that all CTs should be kept (a potential 50MW capacity gain). The expected static reserve operating profile from the lead peaker will be used for developing/validating the lifecycle O&M costs for the battery.

Northside Units 1 and 2 Retirement Options
The potential retirement and replacement of Northside Generating Station Units 1 & 2 (NS1, NS2) will be evaluated. Retirement will be assumed to take place in Spring 2028 with no other units retiring. This would be driven by carbon and by avoidance of 316(b) costs and capital R&R.

In the PLEXOS modeling, this option will be evaluated against SSOs and DSM options. Some scenarios may require solid fuel retirement. Retirement of NS3 may be included in the 15-20 year horizon as well. Replacement capacity at North Jax will be required at the time of retirement of NS 1&2 (transmission reasons).

Northside Units 1, 2 & 3 Retirement Options
The potential retirement and replacement of Northside Generating Station Units NS1, NS2 and NS3 will be evaluated. Retirement of these three units will be assumed to take place in Spring 2028 with no other units retiring. This would be driven by carbon and by avoidance of 316(b) costs and capital R&R.

In the PLEXOS modeling, this option will be evaluated against SSOs and DSM options. Replacement capacity of at least two generating units at North Jax will be required for transmission reasons. Additional generation, if required, can be sited at GEC. This option may already be required for scenarios mandating solid fuel retirement.

Evaluate NS 1 & 2 Gas Conversion Options
The potential gas conversion of the Northside CFB units will be evaluated at a high level. Conversion will be assumed to occur in 2023 with retirement around 2030 or 2035 (TBD). Information concerning the conversion will be based on a conceptual proposal received by JEA from FW/Sumitomo. The proposal is currently only a conceptual proposal. We will evaluate the conceptual proposal to determine if the proposal is complete, viable and feasible. If proposal is not complete, viable and feasible, we will recommend modification of the proposed cost and performance prior to evaluation or will recommend rejection of the proposal and deletion of the remainder of this scope.

In the PLEXOS modeling, this option may be modeled with NS3 retirement in a CO2 scenario. If not selected economically it may need to be forced to determine the incremental cost associated with this option. It may also need to be forced into the same NS3 retirement case in a non-CO2 BAU scenario as well.

4.3.3 Develop Vogtle PPA Replacement Assumptions (RFP 1.1.2)

The Team will develop Vogtle PPA SSOs by utilizing the results from the Generic SSO Update and the Team's own in-house financial modeling tools and subject matter expertise. We will forecast the cost that JEA would incur for energy and capacity from technologies potentially available in the 2040 time period that could replace the 200 MW of firm energy from Vogtle assuming ownership of the resource by a third party with capacity sold to JEA under a PPA. The forecast would be used for modeling of these resources in the IRP. For third party ownership, the forecasts will consider typical independent third-party developer/seller financial structuring, current interest rates, ITC availability, rates of return and other factors, all as applicable.

4.3.4 Compare Solar PV Ownership vs PPA (Objective 4.5)

The Team, led by BVMC, will forecast and compare the costs that JEA would incur for energy and capacity from generic PV solar, PV solar plus energy storage and standalone energy storage resources under two alternative ownership structures; 1) ownership of the resource by JEA and 2) ownership of

the resource by a third party with energy or capacity sold to JEA under a PPA ("Renewable PPAs"). The forecasts would also be used for modeling of these resource in the IRP. BVMC will utilize the results from the Generic SSO Update and its own in-house financial modeling tools and subject matter expertise to forecast the costs under each ownership scenario. For third party ownership, the forecasts will consider typical independent third-party developer/seller financial structuring, current interest rates, ITC availability, rates of return and other factors. We also assess the potential benefits of ownership, including dispatch rights and internal control of all control system settings and operation.

4.3.5 Develop Generic Import Assumptions (RFP 1.1.2 Scope of Work)

The Team, led by BV Power, will perform transmission load flow simulations to assess the current and future constraints and congestion that could occur for importing power into the JEA system. BV Power will utilize the results from 1) the Generic SSO Update, 2) the North Jax/GEC SSOs, and 3) the Vogtle PPA SSOs along with the most recent power flow dataset for the JEA and surrounding systems to develop a model of the future JEA system in the software tool Power System Simulator for Engineering ("PSSE"). BV Power will then simulate power flows for specific forecast years within the Study Period and identify potential transmission constraints and curtailments that could occur and limit the amount of power from the Vogtle PPA Options and the Generic Solar and Storage PPAs. BV Power will also identify potential transmission reinforcements (new lines, reconductoring and transformer upgrades) that could be built to alleviate such constraints and the overall timeframe and cost to complete such reinforcements. The results of this analysis will also be leveraged to support evaluation of potential offers for conventional and renewable energy during the Market Test and Need for Power components of the Florida Power Plant Siting Act (PPSA) if and when PPSA services are added to the scope of this proposal.

4.3.6 Evaluate Site Development for New Generic Resources (Objective 4.6)

4.3.6.1 Perform Solar Siting

BV Power will work with JEA Real-Estate to identify potential sites for new solar PV resources.

The Team will also identify potential sites for additional solar PV development. Sites will be identified to support at least the next 10 years of solar PV development. A generic solar site development cost will be produced for both as-yet unsited near-term solar PV projects and unsited long-term solar PV projects.

Remote Site Study

It is expected that PLEXOS modeling results for one or more of the IRP scenarios will show that large amounts (perhaps 4,000 MW) of new solar resource capacity must be added to the generation portfolio particularly for scenarios that require large amounts of carbon reduction or that purposely limit the amount of new gas-fired generation that can be added. Given that approximately six (6) to eight (8) acres of land is necessary to provide one (1) megawatt of solar capacity, it is expected that land available in the Jacksonville area will be insufficient to host this capacity and therefore sites must be identified outside of the area. To identify remote sites BV Power will perform a solar site study and identification task ("Remote Solar Site Study"). The methodology will include a global information system (GIS) based search of currently undeveloped land in northern Florida to identify land that is favorable for solar development based on 22 different factors. The factors will include land cover, flood potential, wetlands, proximity to high voltage transmission, etc. A score will be applied to factor based on how the land compares to a set of objective criteria and the factor scores summarized into an overall score. The potential sites will then be ranked from highest to lowest score and the top sites sufficient in total to

potentially host 4,000 MW of new solar resources will be identified. These sites will then be identified on a Florida overview map and a Duval County map sufficient to identify the scope of the new land needed.

Transmission Assessment of Remote Solar Sites
Information about each site will be provided to Team members that will perform a transmission assessment. In this analysis, transmission system improvement and voltage support required for importing power from outside of JEA territory will be evaluated. The studies will be performed using PSS/E and TARA software. The assumptions such as location of PV sources, transfer limits and generation and load levels will be finalized in consultation with JEA's Transmission Planning Group. It is assumed that total of four (4) scenarios (base cases) will be studied. FRCC's standard set of P1 to P7 contingencies will be studied.

4.3.6.2 Perform SJRPP and GEC Thermal Siting

The Team, led by BV Power, will conduct desktop site evaluations of the two proposed sites identified by JEA as North Jax and GEC to identify potential condition or economic constraints that may hinder or preclude site development. The evaluation will include environmental and technical variables and considerations.

The results of the desktop evaluation will be used to rank and determine the most compatible candidate site using professional judgment and/ or measured considerations. In addition, general site models and drawings will be prepared for both sites to include consideration of prevailing winds, existing site conditions, and Original Equipment Manufacturer ("OEM") variations for system additions. The Team will also identify up to three alternative sites based on existing land use and proximity to JEA facilities. These alternative sites will be evaluated for potential condition or economic constraints that may hinder or preclude site development for comparison to North Jax and GEC. In addition, BV Power will also prepare a general approach for site selection strategies for subsequent site selection efforts by JEA.

North Jax
The North Jax site is intended to include some land adjacent to and North of NGS that has been identified by JEA Real Estate as a carve-out for new generation. The North Jax site does not (at this time) include the main SJRPP site inside the rail loop. It will include the existing SJRPP substation. While it is distinct from the current NGS site, the two sites will be considered together in terms of shared resources or available land.

The focus of the site evaluation will be to add a facility for proposed and future addition of gas-fired combined-cycle generation. The basis for the new generation will the combined cycle SSOs identified under that task described elsewhere in this proposal. The available land will be analyzed in adequate detail to develop a proposed conceptual site layout and site development cost estimate. The philosophy for development of this site will be to develop the site for the first units(s) to be sited there, but equip the physical boundaries, fire water, storm water, cooling tower locations, and number of switchyard bays for a planned future buildout. Tower drift analysis and storm water design will be included at a conceptual level. Detailed design will not be included at this phase.

The site development cost will be broken out of the cost of the first or subsequent units sited there. A minimalist approach is desired regarding cost relative to O&M facilities. Cost estimates for development of this site should be adequate to carry forward into the Need-For-Power process. Estimating for new gas delivery is discussed separately below.

GEC
The GEC site is existing and significantly equipped for the next increment of generation. Proposed resource additions at this site will consider the state of current development and revisit the proposed conceptual site buildout. As the site is already developed, any estimates for units sited at this location will include site-related costs for each installation.

Transmission Analysis
The Team will assess the impact to the future planned JEA transmission system of retirement of the existing gas-fired resources at Northside and replacement with additional gas-fired resources at the North Jax and GEC sites. A transient stability study will be performed to verify NERC reliability criteria with Northside generators retired. This study will also evaluate whether any dynamic voltage compensators such as synchronous condensers, SVC or STATCOM would be required to maintain voltage and angular stability. The contingencies that will be studied will be agreed with JEA's Transmission Planning Group. A short circuit analysis will be performed to quantify the reduction in fault current due to retirement of Northside generators. This analysis will inform whether a review of existing protection settings would be required or not. The studies will be performed using JEA's short circuit analysis models either in PSS/E or Aspen format. A report will be provided documenting the assumptions, study methodology, study results and recommendations. The report will also include a budgetary level cost estimate for the recommended upgrades. We assume JEA will provide all models and contingency files for the studies. It is also assumed that JEA staff will be available during the study for any questions regarding assumptions and equipment ratings. Protection settings review is not included as part of the scope.

Cooling Towers
It will be assumed that any combined cycle constructed at the GEC or North Jax site will employ wet mechanical draft cooling towers (WMDCT), and that those cooling towers will use tertiary treated municipal effluent as makeup. The chemistry, technology and facilities related to that water supply and blowdown removal will be conceptually developed in conjunction with the JEA Water and Wastewater Planning group and JEA Environmental Group. A Dry Cooling Tower (DCT) option will also be developed for comparative analysis. The ambient salt air conditions associated with North Jax will be considered, particularly for lifecycle impacts to the DCT. Work will include performing or refreshing cooling tower drift analysis for both sites at a level adequate to conceptually site proposed cooling towers.

Solar PV and Battery Sites
The Team will also consider a prospective battery site as an adder to the prospective solar sites and/or the North Jax and GEC sites. This will support development of the battery resource option for smoothing a block of 5x50 solar PV and will include the cost to integrate into the 5x50 design. The real estate acquisition cost for these battery sites will be assumed to be part of the solar PV facility cost.

Distributed Energy Resource Sites
The Team will also identify potential site for new Distributed Energy Resources (DERs). The basis for the new generation at these sites will include reciprocating internal combustion engines (RICE) or small combustion turbines, alone or in a combined heat and power ("CHP") configuration, or batteries. These sites will be specific to certain industrial facilities assuming that CHP is the primary driver for DER. The Team will consider governor performance of RICE and the need for diesel fuel for dual fuel operations.

4.3.7 Develop Natural Gas Fuel Delivery Cost Estimates (RFP 1.1.2)

The Team will assess solutions to current and expected gas delivery issues due to the addition of new generation at the North Jax and GEC sites. In general, physical upgrades of existing gas delivery systems (likely compression) or installation of new gas delivery systems will be required where there is incremental gas fired generation. The Team will develop order-of-magnitude estimates of capital and operating and maintenance (O&M) costs that will be preliminary, screening-level costs suitable for the initial evaluation of the respective natural gas-based solutions. The screening-level cost estimates will be developed based on recent studies and recent project installations executed by the Team. The assessments will be done in coordination with JEA Resource Planning and Fuels groups, and with assistance as needed from Peoples Gas, Florida Gas Transmission, Southern Natural Gas and/or a gas flow modeling consultant retained by JEA for assessment of gas system expansion and operational flow modeling.

4.3.7.1 Evaluate North Jax Site Gas Delivery

There is an existing low pressure gas line supplying Northside Station. The Team will assess if there is any further capacity available on this line, and the extent to which use of the existing capacity is constrained by coincident flow restrictions between NGS and Kennedy Generating Station (KGS). The Team will assess the feasibility of upgrading the low pressure line and the feasibility of adding compression at the end of the low pressure line to reach required operating pressures and flows. The Team will assess solutions to NGS gas supply issues including a new gas delivery line from somewhere proximate to Brandy Branch Generating Station (BBGS) to NGS/North Jax. Team will also interface with JEA and Peoples Gas as required to evaluate options for supplying gas to North Jax.

In the PLEXOS modeling, the Team will account for these coincident flow restrictions in cases retaining NS3 and without a gas upgrade to NGS/North Jax.

4.3.7.2 Evaluate GEC Site Gas Delivery

The existing GEC site is fed by a dedicated lateral off of the Seacoast intrastate pipeline, a subsidiary of Peoples Gas (PGS). There are two different interstate gas transportation lines that can supply gas into the Seacoast line. It is not currently possible to split the total gas flow to GEC between the two interstate supply lines. There are potential physical control issues with parallel supply, as well as operational/regulatory issues that would require JEA to exactly match their forecasted hourly gas burn from both lines. It is expected that modifications will be required to support the increased gas flow and pressure needs if incremental advanced-class CT/CC units are sited at GEC. The Team will assess if modifications to the current system could eliminate current problems, or if combined cycle conversion of the existing units at GEC is achievable without any upgrades to the gas system. The team will assess if potential upgrades are required for any additional units sited at GEC. If upgrades are required, the Team will assess physical upgrades (likely compression and/or controls) that solve the current upstream delivery constraints as well. The Team will request that Peoples Gas perform gas system modeling of the existing PGS supply and JEA lateral. Solutions will depend highly upon additional capacity requirements at GEC.

4.3.7.3 Evaluate Firm Natural Gas Transportation Application

There have been some changes to JEA's firm gas transportation that the Team will review with JEA's Fuels group. Constraints around GEC will be discussed. The Team will assess application for and acquisition of incremental firm transportation upstream of the sites similar to what was assessed for the prior IRP effort.

4.3.7.4 Evaluate CCCT Backup Fuel Options

The Team will analyze the pros, cons and costs of procuring/leasing upstream gas storage as a primary backup for combined cycle gas units instead of bulk ultra-low sulfur diesel ("ULSD") storage. The duration and other terms of the upstream gas storage will be driven by evaluation of the Extreme Winter Analysis discussed elsewhere in this proposal. The Team will make a recommendation as to the viability and economics of upstream gas storage versus on-site ULSD storage.

4.3.8 Compare Economic Life Cycle Costs for all Alternatives (RFP 1.1.2)

In order to compare the economics of the SSOs, a levelized cost of energy ("LCOE") screening analysis will be performed by the Team. The purpose of the LCOE analysis will be to screen out SSOs that are clearly more costly than others and thereby reduce the number of SSOs to be considered in the IRP production cost modeling. The Team will utilize results from the Generic SSO Update, each Northside/Brandy SSO, each Vogtle PPA SSO and each Renewable PPA to forecast the annual cost of each resource in dollars which will then be discounted to a present value. Similarly, the forecast annual generation of each SSO will be forecast in MWh and discounted to a present value. The ratio of the present value cost divided by the present value of generation results in a levelized cost in $ per MWh for each SSO based on appropriate capacity factors for each SSO in determining the annual generation. The Team will discuss the LCOE results with JEA and determine which SSOs to screen out and not consider in the subsequent IRP production cost modeling.

4.4 DETERMINE DEMAND SIDE MANAGEMENT POTENTIAL (OBJECTIVE 3.4)

Contractor will work with JEA Customer Solutions group to develop demand-side management (DSM) forecasts for all scenarios and sensitivities as appropriate.

The Team, led by Nexant, will provide reliable and comprehensive analysis of DSM as a reliable, cost-effective resource for meeting the peak demand and energy requirements of JEA customers. The Team will leverage the data, analysis and supporting models, and expertise developed from performing JEA's Demand Side Management Market Potential Study ("MPS") as part of the FEECA goal setting proceedings in 2019. The Team will also leverage its significant familiarity with JEA's DSM activities, accomplishments, customer base, and associated DSM opportunities.

DSM presents an opportunity to reduce total consumption or peak demands and thereby reduce system costs. To determine achievable DSM for modeling in the IRP, Nexant will review and update the DSM potential models developed from the JEA MPS to account for changes in the JEA system that would modify their previous estimates. This analysis will primarily focus on changes to JEA's electricity production and distribution costs, as well as assumptions on DSM implementation scenarios. Nexant will use updated system cost information to review energy efficiency and demand response measure and program opportunities.

Nexant's prior study of energy efficiency, demand response, and distributed energy resource opportunities in the JEA service territory included a comprehensive set of DSM measures and technologies. For the energy efficiency analysis, Nexant will re-screen and remodel the approximately 250 measures to apply criteria and cost updates provided by JEA. The resulting estimates of energy efficiency potential will be described in terms of estimated costs, energy savings, and peak demand capacity savings. Nexant will work to develop the requisite energy savings load shapes and PLEXOS modeling inputs. Nexant's review will re-examine the previous demand response strategies and estimates, updating JEA avoided costs and other relevant changes to customer demand characteristics,

again focusing on demand response program costs and system avoided costs. Nexant will examine a range of demand response devices offering direct load control, including popular "bring-your- own thermostat" program approaches, as well as other commercial and industrial DR offerings analyzed in the JEA MPS, such as critical peak pricing, contractual DR, base interruptible DR, and automated DR. The DR inputs, including summer and winter impacts, and frequency and duration of available DR will serve as PLEXOS modeling inputs. The rescreen will include similar sensitivities as used in the original study and will also include analysis with and without the free ridership screen thru the achievable potential.

4.5 EVALUATE AND PREPARE FORECASTS

4.5.1 Review JEA Demand and Energy Forecasts (Objective 4.2)

The Team will review and support refinement of JEA's long-term demand and energy forecast. We will review the forecast with JEA to understand the basis for the forecast, any changes to underlying factors that may cause the forecast to change, and the methodology for generating the forecast. We will also compare the forecast to forecasts that we have performed for the region, as well as forecasts for other Florida utilities provided in their 10-Year Site Plans which are available in the public domain. We then work with JEA to either revise the forecast if necessary or adopt the forecast for use in the PLEXOS modeling. The Team will also review of JEA's demand and energy forecasting process and recommend modifications if necessary. JEA can continue to perform the current process and should be able to accommodate minor modifications.

4.5.2 Review JEA Fuel Commodity and Transportation Forecasts (Objective 4.3)

The Team, led by Black & Veatch, will develop a market fundamentals based natural gas price forecast to support the IRP process. Black & Veatch will review the key fundamental drivers that could cause natural gas prices to sustain the current price levels and identify likely fundamental drivers that will keep natural gas prices toward a higher equilibrium price. Using GPCM, an industry recognized model, Black & Veatch will develop a 25-year natural gas price forecast that incorporates higher levels of LNG exports caused by the Russia-Ukraine conflict, a continued limitation of pipeline take-away capacity from the Permian and Marcellus/Utica, and higher labor, capital and E&P production costs associated with the current inflationary price environment. Black & Veatch will incorporate the upstream transportation costs on either FGT/SONAT and TECO to develop a delivered cost to each proposed site.

In addition, costs for interstate transportation (taking into account reasonable assumptions developed via collaboration with JEA related to JEA's existing natural gas transportation arrangements and incremental requirements for firm and interruptible natural gas), applicable pipeline transportation system loss, and intrastate transportation/distribution costs will be added to the commodity price projection based on historical cost analysis and expected future conditions, as applicable.

Also, Black & Veatch will use an econometric model to forecast higher West Texas Intermediate (WTI), Residual (No. 5 & No. 6) and Distillate (No. 1 & No. 2) prices and evaluate the impacts of the current supply chain shortages that are impacting E&P activity today and will evaluate the impact of global oil markets on Lower 48 market fundamentals. Black & Veatch will examine global demand drivers and the pull of global exports on WTI prices and develop an econometric based price forecast that reflects a continued tighter balance between global demand and supply. Black & Veatch will provide the residual and distillate prices as part of an input to the IRP process.

Also, Black & Veatch will review the near-term rise in coal prices and develop a forecast for coal prices that reflect the current market conditions today. As part of this analysis, Black & Veatch will examine the

impact that the Russia-Ukraine conflict has had on near-term coal demand and its potential impact on Lower 48 coal prices. Black & Veatch will rely upon EIA AEO coal price forecasts as the underlying price forecast and quantify the potential adders to the price based on historical analysis of key coal market drivers.

It should be noted that developing fuel price projections utilizing publicly- available information, as outlined in this activity, is often beneficial if the fuel price projections are incorporated into a Determination of Need filing under the Florida Power Plant Siting Act.

4.5.3 Forecast JEA C&I Electrification Incentive Program and EV Penetration (Objective 4.7.1)

Understanding the projected future electricity demand is important to resource planning. The JEA C&I Electrification Incentive Program and electrification of vehicles will create stimuli that require analysis. The Team will review the projections provided by JEA and incorporate national data as well as the results of similar EV studies performed for a southern California Utility, a Midwest state's Department of Transportation and others to refine and extend the current forecasts of vehicle penetration, kW, and kWh for a 30-year period. A similar review will be conducted of the C&I Incentive Program forecast and the Team will revise and recast the projection considering any observed actuals and data from similar programs implemented in other jurisdictions. The Team will work with JEA Resource Planning and Customer Solutions Groups to develop PEV/PHEV penetration forecasts for each scenario as required.

4.5.4 Forecast Residential and Commercial Solar and Battery Storage Installations (Objective 4.7.2)

Similar to the development of EE and DR potential, as a starting point for this task, Nexant will leverage the analysis and supporting models from the JEA MPS. The MPS included estimates of technical potential for solar PV and battery storage systems in JEA's service territory for residential and commercial customers. Many of the same assumptions and outputs can be leveraged for this engagement, though additional analysis will be required to meet the proposed scope of work. Nexant will work with JEA Resource Planning and Customer Solutions Groups to develop rooftop solar PV penetration forecasts for each scenario as required.

With respect to solar PV, the JEA MPS estimated technical potential for solar PV and accounted for available roof space (including pitched vs. flat roofs, other roof equipment, etc.), PV power density, hourly generation shapes, and AC/DC ratios, among other factors. These technical potential calculations will be supplemented by forecasting market adoption of solar PV systems over a 30-year forecast horizon. For this task, Nexant will use its Spatial Penetration and Integration of Distributed Energy Resources (SPIDER™) model. SPIDER employs an enhanced version of a Bass diffusion model implemented in a System Dynamics framework. A rigorous hourly economic analysis will enable calculating the point at which it is cost-effectiveness for customers to install a system as a function of $/kW, discount rates, and other costs using the extensive sensitivity analysis capabilities of SPIDER.

With respect to storage, the JEA MPS focused primarily on technical potential for paired solar + energy storage systems. In addition to these combined systems, Nexant will analyze stand- alone battery storage systems for the commercial sector. In the commercial sector, many stand- alone storage systems are installed primarily to reduce customer electric bills through peak demand reduction. Nexant will supplement the previous technical potential calculations with forecast storage adoption for both sectors over a 30-year time horizon. To account for the complex economics of a storage technology, which can shift load to reduce energy charges (e.g., through on/off peak period arbitration) or reduce

peak demand charges, Nexant will utilize the hourly battery storage dispatch optimization module in the SPIDER™ model (referenced above). This module simulates the hourly dispatch of stand- alone or solar-paired storage systems using linear programming. It can account for any JEA electric rate structure (e.g., TOU rates, peak demand charges), system characteristic (e.g., energy and peak demand capacity, round-trip efficiency), customer load profile, and if applicable, solar PV generation profile. This model enables rigorous calculation of all components of electric bill savings (for the customer) or avoided costs (for the utility) required to fully understand the economics of battery storage. These system economics then drive market adoption of storage systems, which is modeled using the same technology diffusion approach discussed in the solar PV section. For both solar PV and battery storage, our SPIDER model enables rapid sensitivity analysis of any input parameter to determine break-even points for a customer or the utility, as required per the RFP.

4.5.5 Forecast JEA Interruptible and Curtailable Program (Objective 4.7.3)

Nexant will leverage the JEA MPS analysis and models to update demand response strategies and estimates and forecast potential interruptible and curtailable impacts over the 30-year planning horizon. The economic analysis will incorporate updated JEA avoided costs and other relevant changes to the delivery of these program structures to identify the value of this available capacity from both the customer perspective and JEA's perspective, to be reported in both capacity value ($/kW) and energy value ($/MWh).

4.5.6 Forecast Emissions Allowance Prices

The Team will develop emissions allowance price forecasts for each scenario and sensitivity in conjunction with JEA Fuels group, JEA Environmental Group, and the results of the Environmental Assessment. This will include CO2 and non CO2 emissions. REC prices will be forecast as the least cost incentives necessary to deliver renewable development to reach each states' RPS mandates. The forecast will incorporate renewable generation development potential across the United States, topography and siting constraints, generation and transmission capital costs for delivery to market, and wholesale energy and capacity forecasts to inform the analysis.

4.6 DEVELOP AND RUN THE PLEXOS MODEL

The Team, led by BVMC, will performing the IRP modeling using the PLEXOS modeling platform. The foundation will be BVMC's Energy Market Perspective ("EMP") PLEXOS model for the eastern interconnect.

4.6.1 Modify PLEXOS for JEA, Input Resources, Forecasts, Assumptions

The EMP will be customized to create a specific JEA model for the IRP (the "JEA Model"). The customization will require certain data, forecasts, and assumptions from JEA that are not available in the public, subscriptions, or BVMC databases. These will include, but not be limited to, the list below (the "JEA Inputs"), with such information being included within the IRP Data Request discussed earlier in this proposal:

- Generation unit characteristics for modeling;
- Zonal transfer limits;
- Historical load, fuels, transmission flows, and unit generation for benchmarking;

- Ancillary service requirements;
- Planned maintenance schedules;
- Value of loss of load (VOLL);
- Any other operational constraint required for reliability purposes;

The JEA Model will include the entire JEA footprint including JEA generating units, JEA generation and load areas, JEA transmission connections with external markets, JEA transmission constraints, JEA operating parameters such as spinning and non- spinning reserves and regulation and planned and un-planned outages. To the extent JEA's interaction with the external markets will be considered, such interaction will be represented based on the EMP assumptions of load, supply, and constraints. Both the external markets and the JEA footprint will be simulated on a zonal basis. The IRP study period will cover 30 years, starting from 2022.

4.6.2 Run Test Scenarios and Benchmark Results

The JEA Model will initially be utilized to run hourly time step simulations of the JEA system and benchmark results to the historical load, fuels offtake, transmission flows and unit generation information provided by JEA to confirm the JEA Model reasonably represents actual operation of the JEA resource portfolio. A standard quality assurance ("QA")-quality control ("QC") approach will be utilized to verify the model inputs and outputs and perform a gap analysis to identify the differences between the simulated and actual system; the PLEXOS model will then be calibrated if needed.

4.6.3 Run Scenarios and Sensitivities

Study-specific data developed for and provided as part of this IRP (such as the 30-year energy and peak load forecasts, fuel price forecasts, operating and performance parameters for existing and SSOs, capital costs of SSOs, location-specific hourly solar shapes for the existing solar and solar candidate technologies, and all other relevant assumptions and parameters) will be integrated into the PLEXOS model. The PLEXOS expansion planning model will include a minimum planning reserve margin ("PRM") to meet future resource adequacy requirements. While JEA typically targets 15 percent, this assumption will be confirmed with JEA. The JEA Model will also include ramping constraints as a function of renewable capacity and JEA's system load to account for the changes in ancillary service requirements. To assess the hourly performance of the expansion plan, we will run hourly simulations for the study period 2022-2050. If the hourly simulations show that reliability requirements are not met, such as excessive unserved energy, the JEA Model will be recalibrated.

4.6.4 Assess Near Term (2022-2030) Results, Rerun

The near-term timeframe (2022-2030) will include the option to invest in life extension of Northside Unit 3 ("NS3") or retirement of NS3 as described elsewhere in this proposal. Costs for life extension will reflect capital costs, O&M costs, fuel costs, water-related costs, and additional land-related costs. Options related to retirement of NS3 and replacement will include solar SSOs with and without energy storage, DSM/EE, and other appropriate SSOs as characterized in the IRP. In general, all relevant considerations to reflect in the near-term evaluations will be confirmed with JEA as part of the IRP process.

4.6.5 Assess Mid-Term (2031-2040) Results, Rerun

The Mid-Term timeframe will include the option to discontinue operations of Northside Unit 1 and Unit 2. Depending on the system conditions during this timeframe, the JEA Model will be used to assess tradeoffs between the costs and benefits of both units and decide to keep or replace based on the economics, reliability, or both. All SSOs, including solar with and without energy storage, characterized for this IRP will be considered in the mid-term. In general, all relevant considerations to reflect in the mid-term evaluations will be confirmed with JEA as part of the IRP process.

4.6.6 Assess Long-Term (2041-2050) Results, Rerun

The long-term timeframe will include consideration of continued operation of the Brandy Branch units, expiration of the Plant Vogtle 20-year term PPAs (two, 100 MW PPAs, each with a 20- year term), and additional options that may be required to meet the load, reliability, adequacy, and regulatory requirements. In general, all relevant considerations to reflect in the long-term evaluations will be confirmed with JEA as part of the IRP process.

Each timeframe will include specific decision-making criteria and results of the analysis will be presented to JEA based on each timeframe. Although results will be presented separately, the JEA Model will be run for the entire 30-year IRP study period and the interdependencies between decisions across the timeframes will be accounted for.

The Team will provide key cost and other financial related outputs from the JEA Model to the JEA Finance group for their analysis of rate impacts and other financial impacts. Our scope of work does not include analysis of potential rate impacts.

4.7 PERFORM SPECIAL STUDIES

These special study tasks will only be performed at JEA's discretion.

4.7.1 Perform Solar Integration Analysis including Ramp Rate and Range Requirements with Future Solar (Objective 3.3)

Between one customer with an on/off 80MW load and existing solar PV (~50MW), JEA already faces challenges maintaining system balance to meet Area Control Error (ACE) requirements. Based on existing solar PV data, the incremental 250 MW of the committed 5x50MW solar PV project is expected to create ramp rate and ramp range needs that JEA will struggle to meet with current resources. Under this task, the Team will assess the variability of solar production including estimating the incremental system ramp rate and ramp range requirements to integrate the 250 MW of solar, and future solar in increments of 50 MW and 74.9 MW. The goal of this task is to identify and determine how to best meet the need for regulating reserve changes initiated by integration of incremental variable solar PV generation. This task should identify the effective ramp rate of current and proposed regulating reserves.

Once the JEA Model has been developed, benchmarked, and the initial hourly simulations run with the committed and future solar, hourly time-step results will be extracted and summarized including values for unserved energy, dump energy, generation, unit capacity factor, unit starts, unit reserve contributions, change in system average heat rate, and system costs. If unserved energy occurs beyond the Loss of Load Probability ("LOLP") target, it may be a signal that additional reserves are required for the solar penetration level. In this case, we will increase the reserves until the LOLP is within an acceptable limit. This iterative process, if needed, will allow us to determine if additional levels of

reserves are required on an hourly basis. Results will be presented to and reviewed with JEA and re-run the simulations as necessary based on JEA comments or additional needs.

After the hourly simulations, the Team will work with JEA to identify specific periods during each simulation year that should be modeled on a sub- hourly basis (e.g., 1 min or 5 min). These periods are expected to include a representative summer day, a representative cold winter day, and a representative spring/fall shoulder month day. Typical days or weeks will be modeled and the number of periods will generally be limited to one (1) base, one (1) sunset and one (1) spring period for a total of three (3) for each year of the IRP study period. The output from these simulations will be used to determine impacts to JEA's unit commitment under increased solar penetration levels. Unserved energy and LOLP will be used as signals to increase or decrease the amount of reserves (regulation and spinning) for each simulation to determine JEA's needs. In addition, the fleet ramp rate will be evaluated for each simulation and the point of diminishing return (e.g. excess) of spinning reserves will be determined. Hourly results will be extracted and summarized for presentation to JEA and simulations will be re-run as necessary based on JEA comments or additional needs. If the sub- hourly simulations reveal that a significantly higher level of reserves is required than was assumed for the hourly simulations, it may be necessary to re- perform the hourly simulations with these higher reserve levels so that these higher reserve levels are considered in the subsequent impact and costing work, since that work relies on results of the hourly simulations.

The Team will also evaluate a battery system sized and designed for smoothing the output of this solar PV, in particular the incremental 74.9 MW solar and one 50MW component of the committed 5x50 solar PV. The purpose of the battery would not be to levelize all solar output, but to mitigate ramp rate and ramp range at a level of output commensurate for the day, yielding a smoothed solar profile with minimal or no need to model additional ramp rate and ramp range needs. If this battery option is not economically selected to mitigate solar ramp rate for the proposed 5x50, at least one (probably more) appropriately sized batteries should be forced into the recommended resource mix as early as practical and evaluated for the ability and cost to mitigate solar ramp prior to an incremental combined cycle COD. The battery lifecycle O&M cost should include the cost of supporting the expected operating profile, developed from solar integration task (existing JEA 1-minute data).

Through this analysis the Team will ensure that the solar PV included in any IRP scenario has adequate integration means already present or will have adequate integration means included. Results will also support implementation of a PURPA avoided cost determination policy and procedure.

4.7.2 Perform PURPA Forecasting and Analysis

JEA currently has two PURPA related situations that require a forecast of 20 year avoided costs with and without inclusion of new solar on the JEA system. The Team will use the JEA Model to forecast avoided cost of new solar, both PPA and JEA owned resources. An iterative solar in/out methodology will be used to identify both capacity and energy avoided costs for 50 MW and 74.9 increments of new solar. The capacity analysis will consider the declining effective load carrying capability ("ELCC") of solar as more is added to the JEA system. It will also consider the cost of additional reserves or solar smoothing batteries as identified in the Solar Integration Analysis described elsewhere in this proposal. Results of the analysis will be utilized by JEA in the PURPA related situations.

4.7.3 Evaluate Hydrogen Fuel Options

The Team will perform a high level assessment of the feasibility of using hydrogen gas instead of natural gas to reduce CO2 emissions from new CCCT supply side options over the study period of the IRP. Our

methodology will be to calculate the volume and "break-even" cost of green hydrogen ($ per unit of volume) that would be required in order to achieve the same level of carbon reductions that are achieved through use of modular nuclear. This will be done by examining results from the JEA Model scenarios and perhaps running additional sensitivities to isolate the carbon reductions attributable to modular nuclear. We will then compare the break-even cost to green hydrogen price forecasts that are available in the public domain. We will also assess the feasibility of producing and delivering green hydrogen in the calculated volumes to the new CCCT locations considering the cost of blending with natural gas or converting existing natural gas delivery facilities to carry green hydrogen. Based on the breakeven cost compared to general price forecasts, and the overall complexity of delivery, we will provide general findings with respect to the overall feasibility of including green hydrogen as a fuel option in the JEA IRP.

For evaluation of producing, delivering and using green hydrogen, we will consider various technologies including:

- Hydrolysis using nuclear, wind or solar PV energy
- Pipeline supplied hydrogen from steam reformed natural gas, from a location where the carbon by product is captured and stored underground (carbon capture and storage or "CCS").
- On-site supplied hydrogen from steam reformed natural gas where the carbon byproduct is captured and shipped offsite
- Fuel cells
- Hydrogen capability of proposed gas-fired SSOs

4.8 PREPARE ACTION PLANS

4.8.1 Develop Supply-Side and Demand-Side Strategies and Recommendations (RFP 1.1.2)

The Team, led by nFront, will prepare a near-term (five years) Action Plan based on the evaluations performed for the IRP will be developed as part of the IRP. The goal of the Action Plan is to present how near-term supply and demand changes will contribute to and align with JEA's goals, regulatory compliance, and policy requirements. Demand side programs including EE and DSM will be summarized along with recommendations for future enhancements. Supply side resource changes (including contracts) will be detailed including near term unit retirements, unit conversions, and unit additions. Specific recommendations for new battery storage and renewable energy will be presented and discussed in detail including impacts on system reliability and operations. Changes to operations, if recommended, as a result of the IRP will be summarized. Expected impacts of the IRP in the near-term on environmental compliance and policies requirements will be summarized.

4.8.2 Develop Detailed Project Cost and Schedule for all Recommendations and Alternatives (RFP 1.1.2)

The Team, led by BV Power, will prepare Level 2 project schedules for up to three versions of the Action Plan. The respective schedules will include major milestones and major elements of engineering, procurement, construction, and commissioning work scope with summary logic ties between activities allowing the team to identify the critical paths in conjunction with JEA staff. Key interface points will be identified among the engineering, procurement, construction, and commissioning phases of the Action

Plan alternatives to support further planning and schedule development activities. The Level 2 schedule will be developed using Primavera P6 or MS Project. Order of Magnitude cost estimates (+/- 50% accuracy) for up to three Action Plan alternatives will be provided.

4.9 PREPARE IRP REPORT

The Team will develop and transfer to JEA formal reports for distribution that meet or exceed all JEA requirements. Draft electronic transmittals will be sent in MS Word format accessible for electronic review and commenting, with final versions sent both as PDF files and MS Word files.

4.9.1 Prepare and Submit Report to 30% (RFP 1.2.6.2)

At this level of completion, the draft is expected to include the developed supply-side options, the forecast reviews, development of the PLEXOS model including the data and key assumptions, and progress of the Solar Integration task.

4.9.2 Prepare and Submit Report to 60% (RFP 1.2.6.2)

At this level of completion, the draft is expected to include initial modeling results, resource trends and further modeling recommendations and requirements, and Solar Integration results. It will also include responses to comment and changes requested by JEA during the 30% review on-site meeting. The draft Report will be transmitted to JEA in advance of the 60% review meeting.

4.9.3 Prepare and Submit Report to 90% (RFP 1.2.6.2)

At this level of completion, the draft is expected to include final modeling results. It will also include responses to comment and changes requested by JEA during the 60% review on-site meeting. The draft Report will be transmitted to JEA in advance of the 90% review meeting.

4.9.4 Prepare and Submit Draft Final Report (RFP 1.2.6.2)

A draft of the full Report will be provided for JEA review based on comments and changes requested by JEA including those from the 90% on site review meeting.

4.9.5 Prepare and Publish Final Report (RFP 1.2.6.2)

The Team will incorporate comments received from JEA including those from the draft Final Report on-site meeting and produce and publish a final version of the Report.

4.9.6 Provide Software (Objective 7)

The Team will transmit models and data used to perform the studies and produce results for the Services to JEA in electronic form with full JEA user access, including MS Excel and other software files and the production modeling database of existing units and supply side options that originate with the Team, but excluding any software tools to which the Team does not have rights to distribute, such as the production cost modeling software itself.

5.0 Perform CCCT Feasibility Study

Black & Veatch will perform detailed design, performance, cost estimating and EPC bid package preparation for a gas fired combined cycle resource if such a resource is selected by JEA for implementation as a result of the IRP. The potential gas-fired combined cycle resource is assumed to be an outdoor 1x1 combined cycle arrangement utilizing one (1) advanced technology natural gas

combustion turbine, one (1) triple pressure, single pressure reheat heat recovery steam generators with supplemental firing, one (1) condensing steam turbine, one (1) dual pressure condenser with a mechanical draft cooling tower heat rejection cycle. The task will assess which of two sites should host the new resource, either GEC or SJRPP, with the results intended to support decision making by JEA concerning whether or not implementation of such a resource is feasible.

5.1 PREPARE FOR AND PARTICIPATE IN KICKOFF MEETING

Key members of the Black & Veatch staff that will perform the work will prepare for and participate in a kickoff meeting at the JEA offices in Jacksonville. Other members will participate via phone. The purpose of the meeting is to review the scope of work, establish responsibilities and lines of communication, and begin the process of data request and transfer between Black & Veatch and JEA. Adjacent to the meeting, Black & Veatch may visit the GEC and SJRPP sites and meet with utility providers and others as necessary.

5.2 DEFINE PROJECT OBJECTIVES

Black & Veatch will collaborate with JEA to develop a project objective scope to suit the power requirement needs of JEA. The objective will outline key features of each potential generation site and discuss proposed technology options for each.

5.3 PREPARE DESIGN BASIS DOCUMENT

Black & Veatch will gather and compile site specific information required to support the development of a project design basis document, specific for each potential site. Meteorological data will be gathered from the weather station historical data nearest to each of the selected sites.

5.4 PREPARE PROJECT EXECUTION APPROACH DOCUMENT

Black & Veatch will develop a project execution approach document including a level 1 conceptual engineering schedule showing the project major milestones.

5.5 PREPARE PRELIMINARY EQUIPMENT LIST

Black & Veatch will evaluate and prepare a preliminary equipment list based on the selected technologies. The preliminary equipment list will contain major equipment, description and preliminary estimated electrical loads.

5.6 PREPARE EXISTING JEA UTILITY INTERFACE CONCEPTUAL DESIGN

Black & Veatch will use available information provided by JEA and gained through site visits to conduct a review and evaluation of the existing utilities, surveys, structural features, existing equipment layout, and transmission corridor to evaluate and prepare recommended interface requirements required for the construction of the proposed facilities. The interfaces are assumed to be raw water, effluent and transmission.

5.7 PREPARE GAS LINE ROUTING, ROW INITIATING ACTIVITIES, COST ESTIMATING

It is anticipated that JEA will be initiating discussions with potential gas suppliers to bring gas supply pipeline(s) to the vicinity of each potential site. Black & Veatch will support JEA with required gas delivery quantities and pressures, as well as support JEA in conference calls with potential gas suppliers.

Black & Veatch will route the gas service line from the gas supplier's meter station to the plant and provide cost estimates for the gas supply interconnection. Black & Veatch scope will include evaluation of work performed to date, including recommendations.

5.8 PREPARE T-LINE ROUTING, ROW INITIATING ACTIVITIES, COST ESTIMATING

It is anticipated that JEA's Transmission Engineering team is already engaged in the study of potential T-line routing options. Black & Veatch will support JEA with preferred interconnection scheme, location of interconnection facilities, and preliminary design of the switchyard and low-side interconnection from the generators to the GSUs. Black & Veatch scope will include evaluation of any work performed to date, including recommendations.

5.9 PERFORM GEOTECHNICAL ENGINEERING / TOPOGRAPHY ANALYSIS / SURVEYING

Black & Veatch will provide geotechnical plans, specifications, and scope of work defining the geotechnical information required to complete Black & Veatch's scope of work which can be used by JEA to contract with a geotechnical firm and provide the geotechnical data to Black & Veatch. Black & Veatch will coordinate with JEA's geotechnical firm to ensure required information is obtained during the geotechnical investigation at each site.

5.10 PREPARE SITE LAYOUT AND GENERAL ARRANGEMENT DRAWINGS

Black & Veatch will develop site specific plot plans, general arrangements, preliminary construction facilities plans, and other drawings needed to properly define the project and to support the permitting activities. Site layouts will include facilities typically required for a power plant of selected type and size such as water supply, water and waste water treatment, switch yard, storm water management, administration/control buildings, and warehousing as required. Black & Veatch will develop a site construction plan including site truck access and considerations which would be required for construction activities such as lay down and storage areas, temporary office facilities, parking and all other features typically required for the construction of such a facility.

5.11 PREPARE SITE SELECTION DIFFERENTIAL COSTS

Black & Veatch will develop the differential costs for water infrastructure, natural gas supply and transmission line to support preliminary review findings with JEA's upper management. These estimates would be refined during the development of capital cost estimate. once final selections are made and the details of the scope are finalized.

5.12 PERFORM LIFE CYCLE COST ESTIMATES ON KEY COMPONENTS

Based on economic parameters provided by JEA, Black & Veatch will perform spreadsheet calculations to determine the present value of major equipment selection options considering costs such as LTSAs. Black & Veatch will develop the life cycle cost estimate base on the nonfuel annual O&M costs, both fixed and variable components. The fixed O&M cost estimates will include annual labor and fixed maintenance expenses for the power plant, and other expenses such as insurance and property taxes. The variable O&M cost estimate will include expenses associated with annual outage maintenance, water and chemicals, and applicable reagents. The O&M cost estimate assumptions will also be prepared as part of this task.

5.13 PREPARE PRELIMINARY PROJECT EXECUTION SCHEDULE INCLUDING DECISION HOLD POINTS

Black & Veatch will develop a Level 1 preliminary project schedule that includes Owner's site development activities, permitting, development of the EPC specifications and procurement package, EPC contract solicitation of bids, evaluation and selection, and execution of the EPC contract. Development activities leading to project decisions will be marked as milestones. Hold points such as Board Approval, permit authorizations, and contract awards will be denoted.

6.0 Support Need for Power Petition

6.1 BACKGROUND

The Team will provide the services described below to JEA in preparation and support of a Need for Power (NFP) petition (Petition) to the Florida Public Service Commission (Commission) for a generation addition (the NFP Services). The Petition will be a request to either 1) authorize JEA to construct and own a new gas-fired combined cycle combustion turbine (CCCT) resource (the Next Planned Generating Unit or NPGU) or 2) authorize JEA to purchase capacity and energy from one or more resources owned by a third party (the "Alternative Resources"). For purposes of this scope description, we assume that 1) there is only one Alternative Resource and therefore only one Petition will be required, and 2) the Alternative Resource is not an existing resource and therefore a Petition will be required. Work will begin upon receipt of a notice to proceed from JEA. This work is ~~an~~considered IRP Follow Up Scope as described in the IRP Follow Up Scope section of this document. This work scope does not include the services of any independent evaluator or a regulatory legal counsel necessary to support the Petition, nor other work being performed by Black & Veatch under a separate scope such as the site certification application or owner's engineer work. The following sections describe the specific tasks to be performed as part of the NFP Services.

6.2 PERFORM NFP COMMUNICATION AND MANAGEMENT

BVMC will manage the Team's performance of the NFP scope from June 2023 through February 2025 generally as described in Section 2.1. The Project Manager for this portion of the IRP work scope is John Wynne (the NFP Project Manager) and the BVMC Project Manager is Niraj Shetty. As the work progresses, the NFP Project Manager and BVMC Project Manager will work to track performance against the established project plan and identify any special issues, problems or risks that are likely to be encountered going forward. If issues arise, we will immediately work with JEA to mitigate any impacts and revise the scope and schedule as necessary and in agreement with JEA.

An organization chart showing the B&V Team members and reporting relationships for this NFP scope is shown in the Staffing section below.

The Team will facilitate an NFP Kickoff meeting in person in JEA offices. The Team will provide a draft agenda and work with JEA to finalize the agenda prior to the meeting. The agenda will be focused on the following objectives and activities:

- Introduce the JEA team and Black & Veatch Team members and discuss roles in performing the NFP work including with JEA legal counsel and any Independent Evaluator retained by JEA
- Discuss preferred methods of communications and data transfer

- Discuss key IRP refresh assumptions (see the IRP Refresh section below) including alignment with JEA goals, implementation plans and the 2023 Ten Year Site Plan submissions to the Florida Public Service Commission (Commission).
- Discuss methodology and responsibility for developing key data and forecasts including load, fuel prices, DSM/Energy Efficiency/Distributed Energy Resources, etc.
- Discuss factors to be considered in developing the scenarios to be evaluated in the IRP refresh
- Review and refine (as need) the tasks, approach and schedule
- Other considerations specific to the Petition, including the Market Test (see the Market Test section below), testimony, anticipated schedule for filing, and potentially other considerations.

Following the Kickoff meeting, members of the Team will prepare for and host weekly progress conference calls with JEA. The purpose of these calls is to update JEA with respect to progress and status, discuss relevant outstanding issues, and review and discuss preliminary results.

6.3 PERFORM IRP REFRESH TO CONFIRM CCCT

Pursuant to Florida Administrative Code (FAC) 25-22.081 Contents of the Petition, the Petition must include specific utility system planning information that demonstrates that a new resource is needed. This includes (among other information) JEA historical and forecasted loads and electrical characteristics, a discussion of the more critical operating conditions, generation alternatives including size, operating modes, commercial operation dates, a discussion of viable non-generating alternatives, and an evaluation of the adverse consequences which will result if resources are not added in the approximate size sought or in the approximate time sought.

6.3.1 Refresh 2023 IRP Forecasts

The best approach to provide this type of detailed information and demonstrate the resource need is to utilize the methodology and tools that were used to develop the JEA 2023 Integrated Resource Plan (2023 IRP), updating the key assumptions and forecasts of the 2023 IRP as necessary to reflect conditions that may have significantly changed since those assumptions and forecasts were originally developed (the IRP Refresh). This approach ensures consistency of the analysis performed for the Petition with that performed for the 2023 IRP while also helping to ensure Commission confidence in the quality and timeliness of the Petition.

The key assumptions and forecasts that the Team will review and update include the following:

1. Load Forecasts – as generally described in section 4.5.1 (JEA provides forecast)

2. Plug in Electric Vehicle Forecasts – as generally described in section 4.5.3

3. DSM/EE and DER Forecasts – as generally described in sections 4.4, 4.5.4 and 4.5.5.

4. Fuel Price Forecasts – as generally described in section 4.5.2

5. Solar, Storage, SMR and Gas-fired Supply Side Options – as generally described in section 4.3.1 for performance and costs and 4.3.4 for solar PPA prices.

6. Northside 3 and Northside 1&2 life extension cost assumptions – as generally described in section 4.3.2.

7. JEA Committed Resources – assumed to be in service as planned including the Vogtle PPA, new solar PPAs and projects, etc.

6.3.2 Prepare Forecasts Concerning New NSPS Standards H2 and CCS

In addition to updating the above items, the Team will forecast the cost and performance impacts to the NPGU of compliance with the proposed rules issued by the EPA in May 2023 limiting CO2 emissions from power plants ("Proposed CO2 Rules"). The evaluation will be performed under two alternative cases for NPGU compliance as described under the Proposed CO2 Rules. The first case will assume that JEA would pursue the low-GHG hydrogen pathway[1] and the second case will assume that JEA would pursue the CCS pathway.[2]

6.3.2.1 Evaluation of the Low-GHG Hydrogen Pathway

For the low-GHG hydrogen pathway, work would begin with a refresh of the high level assessment of hydrogen fuel that was performed for the 2023 IRP. The Team will first refresh the production and storage technologies for zero carbon/low carbon hydrogen and identify possible production sources of hydrogen that could be supplied to the NPGU site. The production sources evaluated will include:

- Low-GHG hydrogen produced from a new electrolyzer facility powered by renewable generation ("Green Hydrogen") in Florida, Texas and other possible locations
- Low-GHG hydrogen produced from steam reforming of natural gas where the carbon byproduct is captured and stored underground utilizing CCS technology ("Blue Hydrogen") in production regions along the Gulf Coast

The Team will then refresh the estimated range of potential delivered hydrogen cost to the NPGU, which would include the cost for hydrogen production, storage and transportation for each of the hydrogen types describe above. The estimates will utilize assumptions on:

- Capex for hydrogen production, storage, and transportation for each potential hydrogen production source
- Opex for hydrogen production that includes operation costs, maintenance cost and the cost of electricity, natural gas and water and wastewater treatment, as applicable
- Cost of carbon capture and storage
- The lead time and year of first delivery for each potential hydrogen source

For the transportation component the volume of hydrogen required and the cost of blending the hydrogen with natural gas or converting existing natural gas delivery facilities to carry hydrogen will be

[1] The EPA is proposing to define low-GHG hydrogen as that produced with an overall emissions intensity of less than 0.45 kgCO2e/kgH2 with the boundary conditions of well-to-gate, consistent with the Congressional definitions provided in section 45V(b)(2)(D) of the Inflation Reduction Act. The low-GHG hydrogen pathway requires the co-firing of 30 percent (by volume) low-GHG hydrogen by 2032 and ramping up to 96 percent by volume low-GHG hydrogen by 2038.

[2] Base load affected facilities that follow the CCS pathway must meet a second phase standard based on 90% capture of CO2, using CCS, by 2035.

considered. The Team will jointly determine these assumptions with JEA. The cost estimates will also consider the potential tax credits that could be eligible under 45V of the Inflation Reduction Act (IRA) that could reduce the production cost of hydrogen.

The Team will then estimate the performance and cost impact of converting the NPGU to burn hydrogen and operating the NPGU on hydrogen versus natural gas. This will include impacts on the NPGU heat rate, additional capex, opex and emissions from utilizing hydrogen blend or pure hydrogen as power generation fuel vs. natural gas.

Results of the hydrogen price forecasting and the hydrogen fueled performance and cost estimating will be utilized in the PLEXOS modeling described below.

6.3.2.2 Evaluation of the CCS Pathway

For the CCS pathway, we will characterize the NPGU assuming it includes a co-located post combustion carbon capture process. The carbon capture system will utilize a liquid solvent and will be capable of 90-95% CO_2 reduction. The combined cycle will be thermodynamically modeled with and without the PCCC to determine approximate output, auxiliary load, and heat rate impacts. We will also assess the area and identify potential locations to safely and permanently sequester captured CO_2 and identify deep-well injection and CO_2 pipeline costs. Capital and operations and maintenance costs will be estimated based on sizing criteria determined from the thermodynamic modeling results and the sequestration assessment. Results of the performance and cost estimating will be utilized in the PLEXOS modeling described below.

6.3.3 Perform PLEXOS Modeling

The Team will then utilize the above updated information to perform PLEXOS Modeling of the JEA system. The modeling will be focused on scenarios that demonstrate the value of the CCCT to the system and address the requirements of Chapter 25-22.081 F.A.C. as noted above. The specific scenarios will be confirmed with JEA but are expected to include combinations of NS 3 retained/retired, CCCT in/out, natural gas prices base/high, SMR in/out and the hydrogen low-GHG/CCS as described below. Up to eight (8) scenarios are assumed for purposes of estimating the compensation outlined in Section 9.0 herein. Additional scenarios or sensitivities can be performed with commensurate adjustment to schedule and cost.

For the hydrogen scenarios we will model the future operation of the JEA system assuming future conversion and operation of the NPGU to hydrogen operation for both the low-GHG pathway and the CCS pathway under the Proposed CO2 Rules (“Hydrogen Scenarios”). The low-GHG hydrogen pathway will consider co-firing of 30 percent (by volume) low-GHG hydrogen by 2032 and ramping up to 96 percent by volume low-GHG hydrogen by 2038. The CCS pathway will consider operation of the CCS component at 90% removal by 2035. Results from the Hydrogen Scenarios will be compared with the other PLEXOS scenarios to determine 1) the additional carbon reduction that operation of the NPGU on hydrogen would provide to JEA versus operation on natural gas and 2) the increase in cost that operation of the NPGU on hydrogen would cause to JEA versus operation on natural gas.

Results of the PLEXOS modeling will be summarized and presented to JEA. The results are expected to show that the CCCT is an economic resource and support JEA’s decision that the CCCT is the NPGU consistent with the requirements of Chapter 25-22.081, F.A.C.

6.4 PERFORM MARKET TEST

As a municipal utility, JEA is not required to undertake a competitive Request for Proposals (RFP) process as required for by Chapter 25-22.082, F.A.C.[3] However, based on discussions with JEA, it has been assumed for purposes of this scope of services that JEA will opt to issue an RFP and carry out a process that is consistent with such requirements. In doing so, JEA As part of the NFP process, JEA would compare the NPGU against one or more proposals for Alternative Resources that are solicited through a competitive RFP process (the "Market Test") as defined in FAC 25-22.082 Selection of Generating Capacity (the "Market Test Code"). To be consistent with the requirements of the Market Test Code, JEA would perform an RFP process appropriate to ensure that it's NPGU is the most cost-effective alternative available, including publishing the price and non-price attributes of its NPGU in order to solicit and screen, for potential subsequent contract negotiations, competitive proposals for supply-side alternatives to the NPGU. Respondents to the RFP may include, but are not limited to, utility and non-utility generators, Exempt Wholesale Generators (EWGs), Qualifying Facilities (QFs), marketers, and affiliates of public utilities, as well as providers of turnkey offerings, distributed generation, and other utility supply side alternatives. The RFP would allow participants to formulate creative responses to the RFP, such as responses which employ innovative or inventive technologies or processes and JEA must evaluate all proposals. Results of the Market Test will be used by JEA to determine whether the NPGU or one or more Alternative Resources will be the subject of the Petition.

The majority of the Market Test work described below will be performed by the B&V Team with the exception of the qualitative review that will be performed by JEA with assistance from the B&V Team. The NPGU will be evaluated using the same quantitative and qualitative methods as the proposals to ensure fairness. We assume that any Independent Evaluator retained by JEA will not perform a separate evaluation but rather review and comment on the evaluation work performed by the B&V Team and JEA to ensure proposers and proposals are treated fairly.

At the beginning of the Market Test work, the Team will meet with JEA to define the products that will be solicited through the RFP, the timeframe for the overall solicitation and delivery of the products, a flowchart of the specific steps in the evaluation process (threshold, initial cost screen, shortlisting, detailed evaluation, final shortlisting, contract negotiations), the staffing of the evaluation team including subject matter experts from JEA, the interfaces with any Independent Evaluator or regulatory counsel that JEA might retain, and the interfaces with the potential proposers and the Commission. A re-bid process as allowed under Section 14 of the Market Test Code will also be considered. That section allows JEA, after receipt of proposals, to modify the construction costs and/or performance parameters affecting revenue requirements of the NPGU if in advance it informs participants and provides participants (limited to the remaining finalists) a corresponding opportunity to revise their proposals. Results of this work will allow compliance with Section 4 (c) of the Market Test Code which requires notifying the public of a schedule of critical dates for the solicitation, evaluation, screening of proposals and subsequent contract negotiations.

[3] Chapter 25-22.082 applies only to public utilities, which are defined therein as "all electric utilities subject to the Florida Public Service Commission's ratemaking authority, as defined in Section 366.02(1), F.S." JEA, as a municipal electric utility, does not fall within this definition.

The Team will prepare the following detailed technical description of the NPGU as specified in Section 5(a) of the Market Test Code.

1. A description of the NPGU and its proposed location;
2. The MW size;
3. The estimated in-service date;
4. The primary and secondary fuel type;
5. An estimate of the total direct cost;
6. An estimate of the annual revenue requirements;
7. An estimate of the annual economic value of deferring construction;
8. An estimate of the fixed and variable operation and maintenance expense;
9. An estimate of the fuel cost;
10. An estimate of the planned and forced outage rates, heat rate, minimum load and ramp rates, and other technical details;
11. A description and estimate of the costs required for associated facilities such as gas laterals and transmission interconnection;
12. A discussion of the actions necessary to comply with environmental requirements; and
13. A summary of all major assumptions used in developing the above estimates

The Team will also draft the solicitation documents including the RFP itself with specification of products, term, acceptable technologies and points of delivery, etc. We would also start drafting the form of PPA (or commenting on the JEA form of PPA) that would be offered to respondents, and the form of confidentiality and non-collusion/exclusivity agreements that respondents would be required to execute if any. We would also begin developing the proposal minimum threshold requirements and the quantitative (price) and qualitative (non-price) factors and evaluation and scoring methodologies to be used to evaluate proposals.

Threshold requirements will be used to screen out proposals that are clearly not responsive to the RFP and will include compliance with the type of product, technology, term and location specified in the RFP. The qualitative (non-price) factors will at a minimum cover the categories specified in Section 5(d) of the Market Test Code including technical and financial viability, dispatchability, deliverability (interconnection and transmission), fuel supply, water supply, environmental compliance, performance criteria and pricing structure. Although not specified in the Section 5(d) of the Market Test Code, the quantitative (price) factors will include price, term, escalation, price contingencies, energy production estimates, commercial operation date among others. These factors will be specified in the RFP sufficient to allow the responses to be utilized directly in initial cost screening of proposals and subsequently in the evaluation of proposals using PLEXOS.

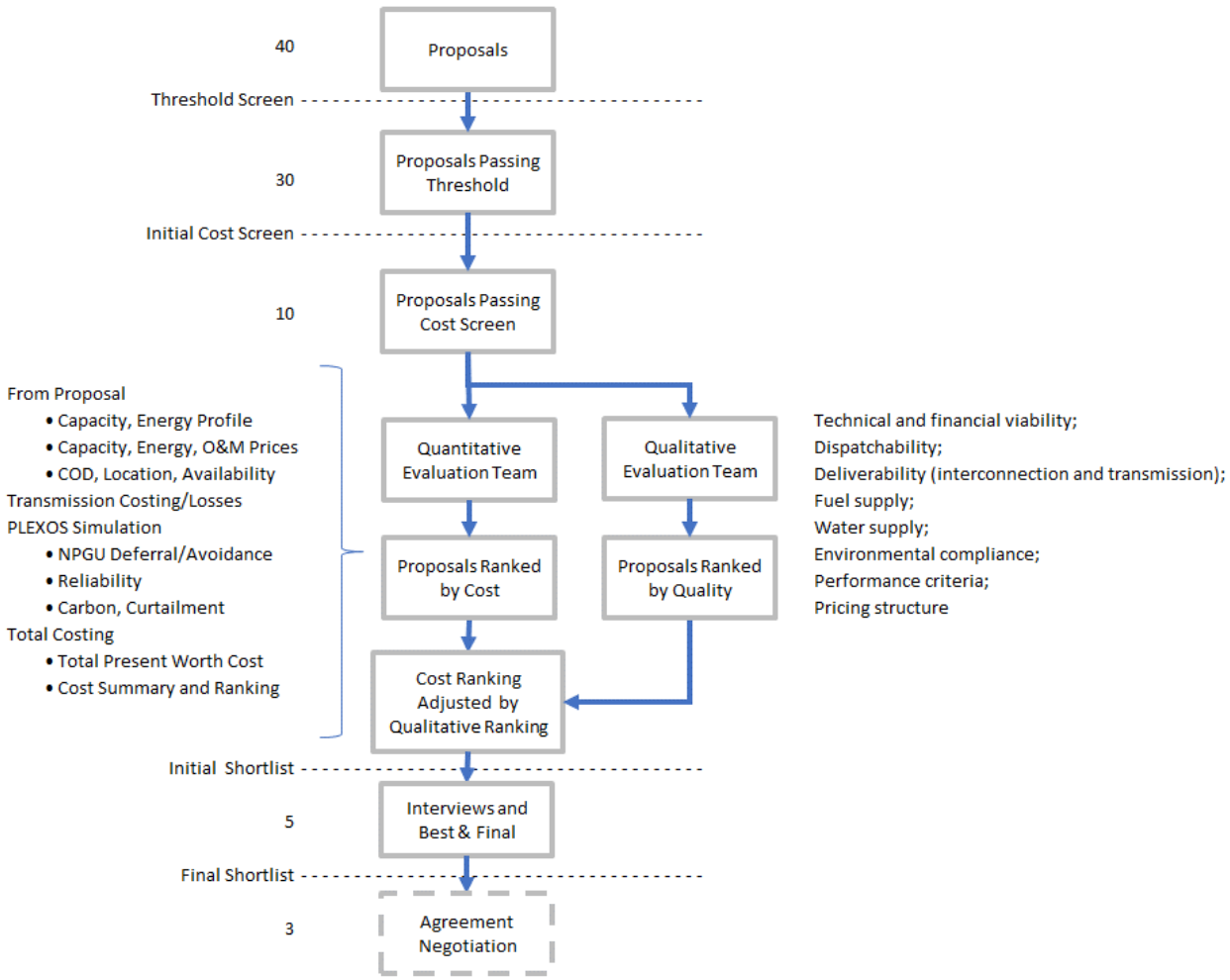
We will develop and include in the RFP a detailed description of the price and non-price factors and the scoring methodology, including any weighting and ranking, to be used to evaluate proposals on the basis of price and non-price attributes in compliance with Section 5(d) of the Market Test Code.

In compliance with the other Market Test Code sections, we will ensure that

- no term of the RFP is unfair, unduly discriminatory, onerous, or commercially infeasible (section 5)
- that the RFP includes a copy of JEA's most recent Ten-Year Site Plan (section 5b)
- any application fees required of a participant are cost-based (section 5f)
- that the RFP includes the best available information regarding system-specific conditions such as preferred locations proximate to load centers, transmission constraints, the need for voltage support in particular areas, and/or JEA's need or desire for greater diversity of fuel sources (section 5g)
- no attribute, criterion, or methodology is employed that is not identified in the RFP absent a showing that such attribute, criterion, or methodology is necessary for and consistent with the purpose of the rule (section 6).
- JEA will allow participants to formulate creative responses to the RFP, such as responses which employ innovative or inventive technologies or processes, and that JEA will evaluate all proposals (section 10).
- A minimum of 60 days shall be provided between the issuance of the RFP, and the due date for proposals in response to the RFP (section 13).

With respect to the required copy of the most recent Ten-Year Site Plan, we expect that JEA will provide the required copy and that our work scope does not include updating or refinement of any Ten-Year Site Plan for the purposes of the RFP.

Please note that our proposed work scope is based on the specific evaluation steps and the number of proposals in the process at each step illustrated in the flowchart below. If the actual evaluation steps and/or number of proposals is greater than those shown here, our proposed scope of work and associated cost may be greater that proposed. Please note that at this time our scope and cost does not include support of any power supply negotiations that may result from the RFP. Such support can be provided as additional services beyond the scope of services associated with the RFP.



Also please note that our proposed work scope does not include evaluation of objections that may be filed by potential proposers or the Commission. Section 12 of the Market Test Code states that a potential participant may file with the Commission objections to the RFP within 10 days of issuance, followed by a 5--day response time for JEA, followed by a Commission panel decision without discovery or a hearing within 30 days of the filing date of the objection, and that the RFP process will not be abated pending the resolution of such objections. The timing and level of objections and Commission decision making is too difficult to estimate and therefore not included in our work scope at this time.

As required by Section 11 of the Market Test Code, JEA must conduct a meeting prior to the release of the RFP with potential participants to discuss the requirements of the RFP. The Office of Public Counsel and the Commission staff must be notified in a timely manner of the date, time, and location of such meeting. The Team will prepare for and participate in such a pre-release meeting that is hosted by JEA. This will include presentation summarizing the RFP including product types, evaluation factors and methodologies, proposal submission requirements, etc. Results from the meeting will be discussed with JEA and used to revise and finalize the RFP if and to the extent requested by JEA or as directed by the Office of Public Counsel and/or the Commission. At this time we expect this meeting will be held remotely and therefore our scope does not include travel.

After finalization of the RFP, we expect that JEA will issue the RFP and as required by Market Test Code section 4 provide the timely notification of its issuance and the details, descriptions and dates by publishing public notices in major newspapers, periodicals and trade publications to ensure statewide and national circulation. Our proposed work scope does not include these tasks.

As required by Section 11 of the Market Test Code, within two weeks after the issuance of the RFP and prior to the submission of any proposals JEA must conduct a meeting with potential participants to discuss the requirements of the RFP. The Team will prepare for and participate in the post release meeting that is hosted by JEA. This will include a presentation summarizing the RFP including product types, evaluation factors and methodologies, proposal submission requirements, etc. Results from the meeting will be discussed with JEA and used to amend the RFP if and to the extent requested by JEA. We expect that JEA will issue any amendment to the RFP and notify the public. At this time we expect this meeting will be held remotely and therefore our scope does not include travel.

We expect that proposals will be received by JEA and posted for our review. We also expect that JEA will monitor and review the public notices that a proposer must post in compliance with Section 7 of the Market Test Code which requires each participant publish a notice in a newspaper of general circulation in each county in which the participant proposes to build an electrical power plant. The notice shall be at least one-quarter of a page and shall be published no later than 10 days after the date that proposals are due. The notice shall state that the participant has submitted a proposal to build an electrical power plant, and shall include the name and address of the participant submitting the proposal, the name and address of the public utility that solicited proposals, and a general description of the proposed power plant and its location.

After proposals are received, we will begin evaluating them against the aforementioned threshold requirements. Proposals that do not pass the threshold requirements will be disqualified from further evaluation.

Proposals passing the threshold requirements will then be subject to an initial price comparison to identify proposals that are significantly higher priced than other proposals of similar size, technology and scope (“outliers”). The resulting outlier proposals (if any) will be given a low priority or disqualified from further evaluation. The purpose of this initial price comparison is to prioritize staff resources and time for the evaluation of proposals that are expected to be the most valuable after further detailed quantitative evaluation. The proposals passing this initial price comparison would then simultaneously enter detailed qualitative and quantitative evaluation processes.

The quantitative evaluation will be focused on forecasting the benefits and costs of an Alternative Resource versus those of the NPGU utilizing the PLEXOS model that was developed for the IRP Refresh described above. We utilize PLEXOS because of the complexity of this cost benefit analysis that impacts the long-term capacity expansion, production cost simulation, and overall cumulative present worth of the portfolio with the proposed Alternative Resource(s). The evaluation will be via an iterative process whereby the NPGU is removed from the plan and an Alternative Resource is added assuming the proposed products are delivered on the proposed date and performance and lifetime are as proposed. Costs of an Alternative Resource will include the proposed energy price factored by the forecast operation of the resource including fuel and variable O&M costs plus any fixed capacity price and increased capital costs to JEA (such as transmission) as well as other applicable costs. Benefits of an Alternative Resource will include reduced operating and fixed costs of other existing or planned future resources in the portfolio, which can manifest as avoided or deferred cost of other future potential generic resources planned to meet future load growth, or early retirement of higher cost resources, or

storage of excess renewable energy that otherwise must be curtailed or sold at a loss to third parties. Costs other than those from the modeling will be included such as transmission upgrades necessary for delivery of energy to load and fuel reservation and/or transportation charges. Results of the quantitative evaluation will be used to rank the NPGU and Alternative Resources from lowest to highest cost to preliminarily identify the most valuable.

Qualitative evaluation will be performed by subject matter experts from JEA with experience in the relevant area. For example, a proposal for a solar plus storage Alternative Resource will be evaluated by an engineer experienced with review of such resources. The review will be led by JEA rather than by the Team because ultimately the scoring of the proposals and subsequent decision to shortlist or negotiate with the proposer rests with JEA as the long-term counterparty. The Team, led by Black & Veatch, will be available to advise the JEA reviewers as necessary. The JEA reviewers will use the aforementioned qualitative criteria to score the NPGU and each proposal. Qualitative reviewers will be separated from quantitative reviewers so that information is not passed that might alter the review (for example, a qualitative reviewer giving a low rating to a proposal he/she knows will be rejected due to high price). Results of the qualitative review will be used to rank the NPGU and Alternative Resources from highest to lowest quality.

The quantitative and qualitative rankings will then be compared. The quantitative ranking will take precedent over the qualitative ranking. The qualitative ranking will be used to adjust the quantitative ranking in cases where there are two proposals of nearly identical quantitative rank. In such cases, the lower ranked proposal may be promoted above the higher ranked if its qualitative score is significantly better. These types of ranking adjustments will be made in a group setting, where the qualitative reviewers will reach consensus on an adjusted quantitative ranking.

At this point if the NPGU is ranked higher than all of the proposals then the NPGU will be selected as a basis for the Petition (the "Selected Resource") and results will be passed to the Petition preparation task.

Alternatively, if an Alternative Resource is ranked higher than the NPGU then that proposal will be selected for further evaluation (the "Initial Shortlist"). The proposer will then be invited to make an in-person presentation of their proposal including introduction of key project team members. After the presentation, further proposal clarifications may be made to confirm scope and quality of the proposal. There may also be sessions focused on the PPA to review exceptions requested by the proposer and accept/reject/modify them based on mutual agreement. JEA will then request a "best-and-final offer" ("BAFO") from the proposer. The proposal will then be re-evaluated (quantitative and qualitative) based on the BAFO and terms of the PPA. If the re-evaluated proposal remains higher ranked than the NPGU, JEA and its legal counsel will enter subsequent negotiations with the proposer (the "Final Shortlist"). The as-negotiated proposal for the Alternative Resource will then become the Selected Resource and results will be passed to the Petition preparation task.

Our support of the negotiation is not included in our work scope at this time, but can be included with appropriate adjustment in scope, schedule and budget.

6.5 PREPARE PETITION FOR DETERMINATION OF NEED

As the Market Test work is completing, the Team will begin preparing the Petition working closely with JEA and their regulatory counsel. The Petition will comply as to form and style with the requirements of FAC Chapter 25-22 or (at JEA's option) with the format and style as JEA's application for site certification

pursuant to Sections 403.501 through 403.517, Florida Statutes, so long as the informational requirements of FAC Chapter 25-22 are satisfied.

The Petition will include the results of the Market Test work stated above as well as relevant portions of the IRP Refresh work. The contents will comply with the following requirements of FAC Chapter 25-22.081 Contents of Petition:

- A general description of JEA and other utilities primarily affected (if any) including the load and electrical characteristics, generating capability, and interconnections.
- A general description of the Selected Resource(s) including the size, number of units, fuel type and supply modes, the approximate costs, and projected in-service date or dates.
- A statement of the specific conditions, contingencies or other factors which indicate a need for the Selected Resource(s) including the general time within which the generating units will be needed. Documentation shall include historical and forecasted summer and winter peaks, number of customers, net energy for load, and load factors with a discussion of the more critical operating conditions. Load forecasts shall identify the model or models on which they were based and shall include sufficient detail to permit analysis of the model or models. If a determination is sought on some basis in addition to or in lieu of capacity needs, such as oil blackout, then detailed analysis and supporting documentation of the costs and benefits is required.
- A summary discussion of the major available generating alternatives which were examined and evaluated in arriving at the decision to pursue the proposed generating unit. The discussion shall include a general description of the generating unit alternatives, including purchases where appropriate; and an evaluation of each alternative in terms of economics, reliability, long-term flexibility and usefulness and any other relevant factors. These major generating technologies generally available and potentially appropriate for the timing of the proposed plant and other conditions specific to it shall be discussed. In addition, each investor-owned utility shall include a detailed description of the selection process used and a detailed description of the generating unit alternatives proposed by each finalist, if any, selected to participate in subsequent contract negotiations pursuant to Rule 25-22.082, F.A.C.
- A discussion of viable non-generating alternatives including an evaluation of the nature and extent of reductions in the growth rates of peak demand, KWH consumption and oil consumption resulting from the goals and programs adopted pursuant to the Florida Energy Efficiency and Conservation Act both historically and prospectively and the effects on the timing and size of the proposed plant.
- An evaluation of the adverse consequences which will result if the proposed electrical power plant is not added in the approximate size sought or in the approximate time sought.
- If the generation addition is the result of a purchased power agreement between an investor-owned utility and a nonutility generator, the Petition shall include a discussion of the potential for increases or decreases in the utility's cost of capital, the effect of the seller's financing arrangements on the utility's system reliability, any competitive advantage the financing arrangements may give the seller and the seller's fuel supply adequacy.

In addition to preparing this content, we will prepare and/or support written testimony to accompany the Petition. We expect that written testimony will be required from our testifying experts in the areas of forecast capacity need, fuel price forecasting, non-generating alternatives, the NPGU, the PLEXOS modeling (IRP Refresh), and the Market Test process and results. Our testifying experts will include Brad Kushner, Hua Fang, John Wynne, Jim Herndon, Rachelle Johnson, Niraj Shetty and perhaps other members of the B&V Team as necessary. We will support the filing of this testimony and the Petition itself by JEA and its regulatory counsel.

6.6 SUPPORT PSC NEED FOR POWER PROCESS

Under this task we will support and defend the Petition during the Commission proceedings regarding the Petition.

Within 7 days following receipt of the Petition, the Commission is required to set a date for a hearing which is within 90 days of receipt of the Petition or of issuance of an order concerning the Petition. Following the filing of the Petition, we will begin working closely with JEA and its regulatory counsel in review and support of JEA's response to data requests, interrogatories and testimony filed by Commission Staff and intervenors in the proceeding. We will also support preparation of rebuttal testimony and exhibits as necessary for our testifying experts as well as those of JEA. We will then prepare for and participate in a pre-hearing conference with the Commission, staff and intervenors. Our testifying experts will then prepare for and participate in the formal hearing and we will also provide support for JEA witnesses prior to the hearing. For purposes of this proposed scope we estimate the preparation will include mock hearings and depositions and the hearing will involve two full days of in-person participation by our testifying experts.

Following the hearing, parties may make submittals to the Commission on a time schedule to be determined in accordance with the requirements of each proceeding but terminating no later than 120 days from the receipt of the petition. During this period we will support preparation of JEA post-hearing briefs and other activities. The Commission must then place the Petition on an agenda which will permit a decision no later than 135 days from the date of receiving the Petition or the issuance of the order commencing the proceeding.

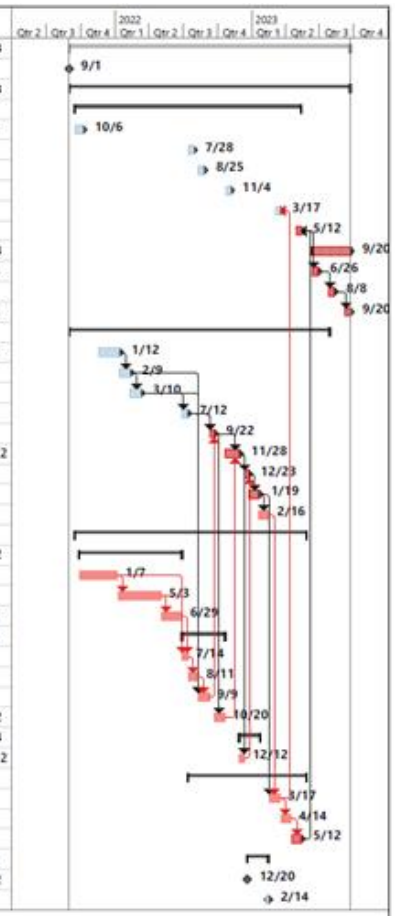
Any petition for reconsideration must be filed within 5 days of the Commission's decision. It is difficult at this time to estimate if JEA or another party may file for reconsideration and therefore this proposed scope does not include labor and expenses to support or challenge any petition for reconsideration. The labor and expenses will be estimated at the time a reconsideration is filed.

~~6.0~~7.0 Critical Path Schedule

Below is a ~~project~~ schedule for performance of the Base Services depicting only the tasks on critical path (shown in red) and the major milestones and overall expected time frame of the final work products and reports to be completed. The schedule assumes receipt of an executed contract from JEA on September 1, 2021. A similar schedule is provided for the NFP Services that assumes a notice to proceed is received on June 1, 2023.

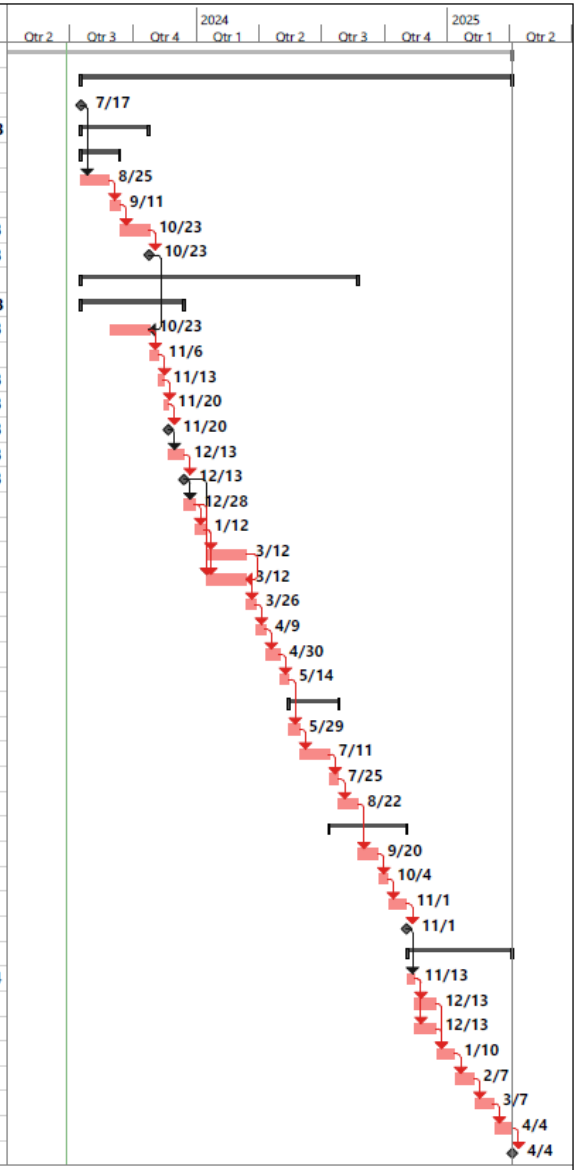
Critical Path Schedule for Performance of the Base Services

ID	Outline Number	Task Name	Start	Finish
0	**0**	**Perform JEA IRP Services**	**Wed 9/1/21**	**Wed 9/20/23**
1	1	Receive Executed Contract from JEA	Wed 9/1/21	Wed 9/1/21
2	**2**	**Perform Project Communication and Management**	**Wed 9/1/21**	**Wed 9/20/23**
57	**2.4**	**Prepare for and Participate in On-Site Progress Meetings**	**Thu 9/16/21**	**Fri 5/12/23**
58	2.4.1	Prepare for and Participate in On-Site Scenario Workshop	Thu 9/16/21	Wed 10/6/21
59	2.4.2	Prepare for and Participate in On-Site 30% Progress Meeting	Fri 7/15/22	Thu 7/28/22
60	2.4.3	Prepare for and Participate in On-Site 60% Progress Meeting	Fri 8/12/22	Thu 8/25/22
61	2.4.4	Prepare for and Participate in On-Site 90% Progress Meeting	Mon 10/24/22	Fri 11/4/22
62	2.4.5	Prepare for and Participate in On-Site Draft Final Report Meeting	Mon 3/6/23	Fri 3/17/23
63	2.4.6	Prepare for and Participate in On-Site Published Final Report Meeting	Mon 5/1/23	Fri 5/12/23
64	**2.5**	**Prepare for and Participate in On-Site Meetings After the Published Final Report**	**Mon 6/12/23**	**Wed 9/20/23**
65	2.5.1	Prepare for and Participate in On-Site Meeting with JEA Leadership	Mon 6/12/23	Mon 6/26/23
66	2.5.2	Prepare for and Participate in On-Site Meeting with JEA Board	Tue 7/25/23	Tue 8/8/23
67	2.5.3	Prepare for and Participate in On-Site Meeting with External Stakeholders	Wed 9/6/23	Wed 9/20/23
68	**3**	**Perform Stakeholder Support**	**Wed 9/1/21**	**Fri 7/28/23**
75	3.7	Prepare for and Participate in Stakeholder Meeting #1 - Intro to JEA and IRP	Wed 11/17/21	Wed 1/12/22
76	3.8	Prepare for and Participate in Stakeholder Meeting #2 - Present Scenarios	Wed 1/12/22	Wed 2/9/22
77	3.9	Prepare for and Participate in Stakeholder Meeting #3 - Present Forecasts	Wed 2/9/22	Thu 3/10/22
78	3.10	Prepare for and Participate in Stakeholder Meeting #4 - Present Supply Side Options and D	Tue 6/28/22	Tue 7/12/22
79	3.11	Prepare for and Participate in Stakeholder Meeting #5 - Present PLEXOS and Initial Modelir	Fri 9/9/22	Thu 9/22/22
80	3.12	Prepare for and Participate in Stakeholder Meeting #6 - Present Revised Modeling and Stuc	Thu 10/20/22	Mon 11/28/22
81	3.13	Prepare for and Participate in Stakeholder Meeting #7 - Present Preferred Plan	Mon 12/12/22	Fri 12/23/22
82	3.14	Prepare for and Participate in Stakeholder Meeting #8 - Present 90% Draft IRP Report	Fri 12/23/22	Thu 1/19/23
83	3.15	Prepare Stakeholder Engagement Report	Fri 1/20/23	Thu 2/16/23
84	**4**	**Prepare Integrated Resource Plan**	**Thu 9/16/21**	**Fri 5/26/23**
92	**4.3**	**Develop Supply Side Resource Options and Alternatives**	**Mon 9/27/21**	**Wed 6/29/22**
93	4.3.1	Update Generic Supply Side Options from the 2019 IRP	Mon 9/27/21	Fri 1/7/22
98	4.3.3	Develop Vogtle PPA Options	Mon 1/10/22	Tue 5/3/22
100	4.3.5	Develop Generic Renewable Import Assumptions (Trans Constraints and Prices)	Wed 5/4/22	Wed 6/29/22
126	**4.6**	**Develop and Run the PLEXOS Model**	**Thu 6/30/22**	**Fri 10/21/22**
127	4.6.1	Modify PLEXOS for JEA incl Resources, Forecasts, Assumptions, Scenarios	Thu 6/30/22	Thu 7/14/22
128	4.6.2	Run Test Scenarios and Benchmark Results	Fri 7/15/22	Thu 8/11/22
129	4.6.3	Run Scenarios (6) and Sensitivities	Thu 8/11/22	Fri 9/9/22
133	4.6.7	Re-run as Necessary	Fri 9/23/22	Thu 10/20/22
138	**4.8**	**Prepare Action Plans**	**Tue 11/29/22**	**Mon 1/23/23**
139	4.8.1	Develop Supply-side and Demand-side Strategies and Recommendations	Tue 11/29/22	Mon 12/12/22
141	**4.9**	**Prepare IRP Report**	**Fri 7/15/22**	**Fri 5/26/23**
148	4.9.7	Prepare and Submit Draft Final Report	Fri 2/17/23	Fri 3/17/23
149	4.9.8	JEA Review of Draft Final Report	Mon 3/20/23	Fri 4/14/23
150	4.9.9	Prepare and Publish Final Report	Mon 4/17/23	Fri 5/12/23
152	**5**	**Perform CCCT Feasibility Study**	**Tue 12/20/22**	**Tue 2/14/23**
153	5.1	Receive Notice to Proceed from JEA	Tue 12/20/22	Tue 12/20/22
166	5.14	Prepare Preliminary Project Execution Schedule including Decision Hold Points	Tue 2/7/23	Tue 2/14/23



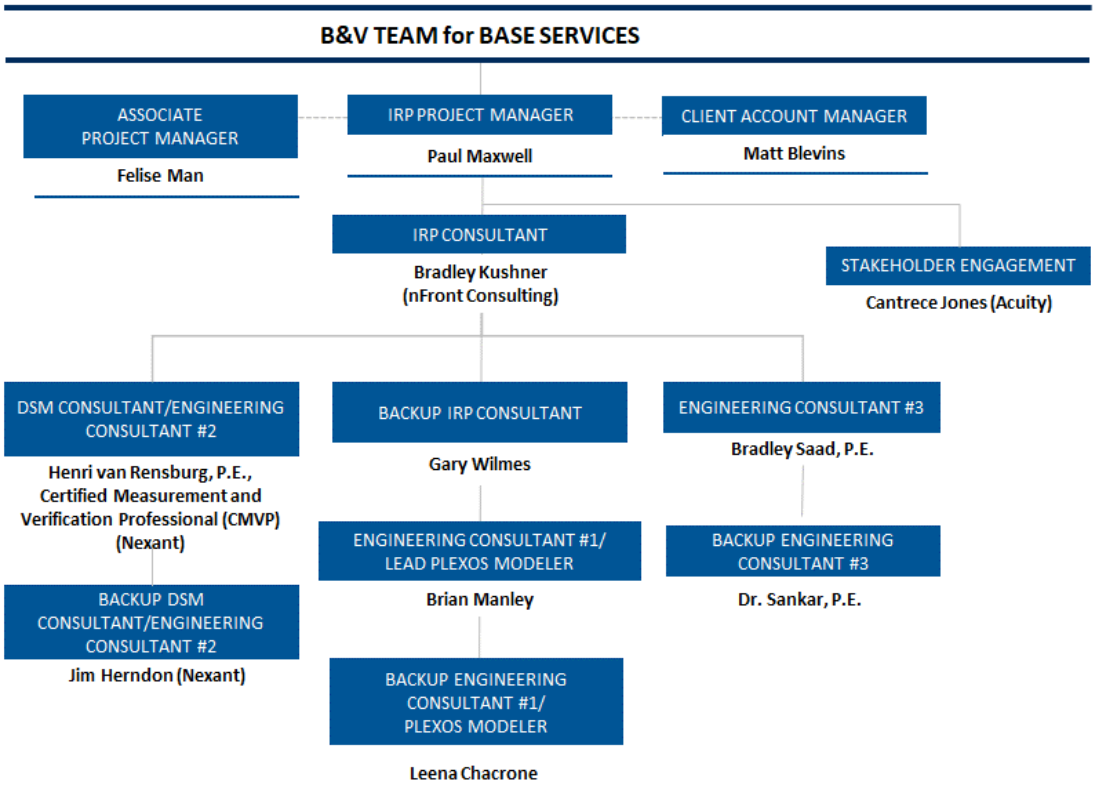
Critical Path Schedule for Performance of the NFP Services

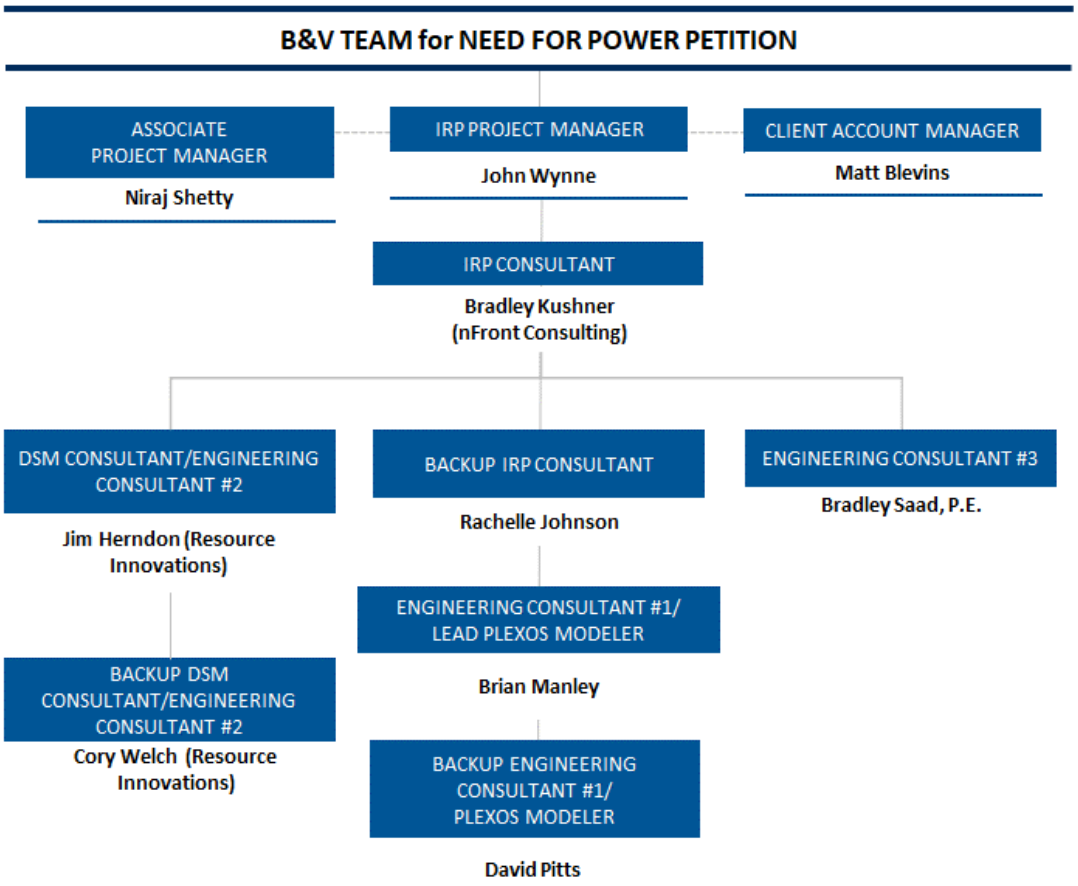
ID	Outline Number	Task Name	Start	Finish
0	**0**	**Perform JEA IRP Services**	**Wed 9/1/21**	**Fri 4/4/25**
167	**6**	**Support Need for Power Application**	**Mon 7/17/23**	**Fri 4/4/25**
168	6.1	Receive Notice to Proceed from JEA	Mon 7/17/23	Mon 7/17/23
261	**6.3**	**Refresh PLEXOS Modeling to Confirm CCCT**	**Mon 7/17/23**	**Mon 10/23/23**
262	**6.3.1**	**Refresh 2023 IRP Forecasts**	**Mon 7/17/23**	**Mon 9/11/23**
263	6.3.1.1	Update DSM/EE and DER Forecasts	Mon 7/17/23	Fri 8/25/23
265	6.3.1.3	Review/Update Load Forecasts	Mon 8/28/23	Mon 9/11/23
270	6.3.3	Perform PLEXOS Modeling of NS3 Retain versus CCCT, Other Scenarios	Tue 9/12/23	Mon 10/23/23
271	6.3.4	Confirm CCCT as Next Planned Generating Unit (NPGU)	Mon 10/23/23	Mon 10/23/23
272	**6.4**	**Perform Market Test**	**Mon 7/17/23**	**Thu 8/22/24**
274	**6.4.2**	**Prepare and Issue Request for Proposals (RFP)**	**Mon 7/17/23**	**Wed 12/13/23**
279	6.4.2.5	Prepare Draft RFP and Supporting Documents	Mon 8/28/23	Mon 10/23/23
280	6.4.2.6	Incorporate Independent Evaluator Comments	Tue 10/24/23	Mon 11/6/23
281	6.4.2.7	Prepare for and Host Pre-Release Meeting	Tue 11/7/23	Mon 11/13/23
282	6.4.2.8	Finalize RFP and Supporting Documents	Tue 11/14/23	Mon 11/20/23
283	6.4.2.9	File RFP with the FPSC	Mon 11/20/23	Mon 11/20/23
284	6.4.2.10	Incorporate Comments from the FPSC and Intervenors	Tue 11/21/23	Wed 12/13/23
285	6.4.2.11	Release RFP and Provide Timely Notification of RFP	Wed 12/13/23	Wed 12/13/23
286	6.4.3	Prepare for and Host RFP Post-Release Meeting	Thu 12/14/23	Thu 12/28/23
287	6.4.4	Participants File Protests (by day 10)	Fri 12/29/23	Fri 1/12/24
288	6.4.5	Evaluate and Respond to Protests	Tue 1/16/24	Tue 3/12/24
289	6.4.6	Participants Submit Proposals (by day 60)	Tue 1/16/24	Tue 3/12/24
291	6.4.8	Perform Threshold Evaluation (40 Proposals)	Wed 3/13/24	Tue 3/26/24
292	6.4.9	Perform Initial Cost Screen (30 Proposals)	Wed 3/27/24	Tue 4/9/24
293	6.4.10	Perform Qualitative Evaluation (10 Proposals)	Wed 4/10/24	Tue 4/30/24
294	6.4.11	Support JEA Determination of Initial Shortlist (10 Proposals)	Wed 5/1/24	Tue 5/14/24
295	**6.4.12**	**Perform Quantitative Evaluation (10 Proposals)**	**Wed 5/15/24**	**Thu 7/25/24**
296	6.4.12.1	Incorporate Initial Shortlist Resources	Wed 5/15/24	Wed 5/29/24
297	6.4.12.2	Perform PLEXOS Modeling of CCCT versus Shortlisted Proposal(s)	Thu 5/30/24	Thu 7/11/24
298	6.4.12.3	Incorporate Independent Evaluator Comments	Fri 7/12/24	Thu 7/25/24
299	6.4.13	Support JEA Selection of NPGU (CCCT versus Proposal)	Fri 7/26/24	Thu 8/22/24
301	**6.5**	**Prepare Petition for Determination of Need**	**Fri 7/12/24**	**Fri 11/1/24**
303	6.5.2	Prepare General Description of the Plant	Fri 8/23/24	Fri 9/20/24
308	6.5.7	Prepare Executive Summary	Mon 9/23/24	Fri 10/4/24
309	6.5.8	Support Preparation of Testimony and Exhibits	Mon 10/7/24	Fri 11/1/24
310	6.5.9	File Need for Power Petition	Fri 11/1/24	Fri 11/1/24
311	**6.6**	**Support PSC Need for Power Process**	**Mon 11/4/24**	**Fri 4/4/25**
312	6.6.1	Commission Opens Proceeding, Sets Hearing Date	Mon 11/4/24	Wed 11/13/24
313	6.6.2	Intervenors Prepare and File Testimony and Exhibits	Thu 11/14/24	Fri 12/13/24
314	6.6.3	Staff Prepares and Files Testimony and Exhibits	Thu 11/14/24	Fri 12/13/24
315	6.6.4	Support JEA Rebuttal Testimony and Exhibits	Mon 12/16/24	Fri 1/10/25
316	6.6.5	Prepare for and Participate in Prehearing Conference	Mon 1/13/25	Fri 2/7/25
317	6.6.6	Prepare for and Participate in Hearing	Mon 2/10/25	Fri 3/7/25
318	6.6.7	Support JEA Post-Hearing Briefs	Mon 3/10/25	Fri 4/4/25
319	6.6.8	Commission Issues Decision	Fri 4/4/25	Fri 4/4/25



~~7.0~~8.0 Staffing

Below is an organizational chart for performance of the Base Services and another for performance of the NFP Services. Each chart delineat~~inges~~ the key members of the Team showing the specific position descriptions specified in the RFP and identifying the roles and tasks ~~that~~in which each member will be involved ~~in~~.




B&V TEAM for NEED FOR POWER PETITION
ASSOCIATE PROJECT MANAGER
Niraj Shetty
IRP PROJECT MANAGER
John Wynne
CLIENT ACCOUNT MANAGER
Matt Blevins
IRP CONSULTANT
Bradley Kushner (nFront Consulting)
DSM CONSULTANT/ENGINEERING CONSULTANT #2
Jim Herndon (Resource Innovations)
BACKUP IRP CONSULTANT
Rachelle Johnson
ENGINEERING CONSULTANT #3
Bradley Saad, P.E.
ENGINEERING CONSULTANT #1/ LEAD PLEXOS MODELER
Brian Manley
BACKUP DSM CONSULTANT/ENGINEERING CONSULTANT #2
Cory Welch (Resource Innovations)
BACKUP ENGINEERING CONSULTANT #1/ PLEXOS MODELER
David Pitts

~~8.0~~9.0 Compensation

9.1 COMPENSATION FOR THE BASE SERVICES

Work will be performed on a time and materials (T&M) basis. We estimate that our labor fees to perform the services described in sections 1 through ~~6~~5 of this proposal (the "Base Services") will total $~~2,293,788~~2,194,225 including an expected underrun at completion of $99,563. We estimate that our travel and other expenses to perform the Base Services will total $~~46,000~~15,000 including an expected underrun at completion of $31,000. Travel and other expenses will be billed at cost and in accordance with and not exceed the requirements of the JEA Travel Policy. These are estimates only. Actual fees and actual expenses may be more or less than these estimates based on the actual scope of work performed. We will not invoice for fees and expenses in excess of these estimates without first receiving approval from JEA.

~~8.1.1~~9.1.1 Breakout of Estimated Labor Fees by Major Task and Expenses

A breakout of the estimated labor fees by major task is provided in the table below. This is provided for information only and does not represent a commitment to control cost at the individual task level. Please note that some of the IRP Follow Up Scope described in Section ~~8~~10 below is not included in the estimated cost at this time due to the uncertainty of the scope of that work. We can provide an estimate for those services in the future when the actual scope of work is better known.

Labor Fees	
Perform JEA IRP Services	
Perform Project Communication and Management	$547,875
Perform Stakeholder Support	$167,608
Prepare Integrated Resource Plan	
Perform Initial Work	$66,064
Perform Environmental Assessment	$61,072
Develop Supply Side Resource Options and Alternatives	$426,862
Determine Demand Side Management Potential	$52,916
Evaluate and Prepare Forecasts	$158,222
Develop and Run the PLEXOS Model	$192,056
Perform Special Studies	$233,728
Prepare Action Plans	$35,798
Prepare IRP Report	$120,998
~~Perform IRP Follow Up Scope~~	
Perform CCCT Feasibility Study	$230,589
Sub~~T~~-total Labor Fees	$2,293,788
Expected Labor Underrun at Completion	($99,563)
Total Labor Fees at Completion	$2,194,225
Expenses	~~$46,000~~
Sub-total Expenses	$46,000
Expected Expenses Underrun at Completion	($31,000)
Total Expenses at Completion	$15,000
Total Labor Fees and Expenses at Completion	$~~2,339,788~~$2,209,225

~~8.1.2~~9.1.2 Labor Billing Rates

Labor fees will be invoiced on a monthly basis based on the actual hours performed by each Team member, multiplied by the hourly rate for the classification of that Team member from the rate table provided below (the "Base Services Billing Rates"). The Billing Rates will be applicable to the Base Services and shall remain fixed through completion of the Base Services. Any IRP Follow Up Services performed prior to December 31, 2022 shall be billed at the Billing Rates in this proposal. After December 31, 2022 any IRP Follow Up Services performed shall be at the adjusted rates per the labor rate adjustment mechanism described below. Travel and other expenses and will be invoiced on a monthly basis at cost and in accordance with the JEA Travel Policy.

Project Functional Area	**Project Title**	**Base Services Billing Rate ($/hr)**
PM Consultant	Senior PM Consultant	$357
	PM Consultant 3	$342
	PM Consultant 2	$313
	PM Consultant 1	$260
IRP Consultant	Senior IRP Consultant	$357
	IRP Consultant 5	$342
	IRP Consultant 4	$313
	IRP Consultant 3	$291
	IRP Consultant 2	$260
	IRP Consultant 1	$193
DSM Consultant	DSM Consultant 7	$357
	DSM Consultant 6	$275
	DSM Consultant 5	$220
	DSM Consultant 4	$192
	DSM Consultant 3	$154
	DSM Consultant 2	$132
	DSM Consultant 1	$88
Stakeholder Consultant	Senior Stakeholder Consultant	$204
	Stakeholder Consultant 3	$105
	Stakeholder Consultant 2	$83
	Stakeholder Consultant 1	$57
IRP Engineer	Senior IRP Engineer	$268
	IRP Engineer 3	$238
	IRP Engineer 2	$187
	IRP Engineer 1	$120

~~8.1.3~~9.1.3 Expected Labor Hours to be Billed

The table below shows the expected hours to be billed by billing title, along with the associated Billing Rates and cost for the billing title, adding up to the total labor fees compensation required.

Project Title	Base Services Billing Rate ($/hr)	Hours	Cost
DSM Consultant 2	$132	88	$11,616
DSM Consultant 3	$154	599	$92,169
DSM Consultant 4	$192	30	$5,760
DSM Consultant 6	$275	120	$33,000
DSM Consultant 7	$357	171	$61,047
IRP Consultant 2	$260	347	$90,090
IRP Consultant 4	$313	1,988	$622,244
IRP Consultant 5	$342	429	$146,547
IRP Engineer 1	$120	290	$34,740
IRP Engineer 2	$187	1,252	$234,124
IRP Engineer 3	$238	1,524	$362,712
PM Consultant 2	$313	24	$7,599
PM Consultant 3	$342	184	$62,817
Senior IRP Consultant	$357	1,268	$452,484
Senior Stakeholder Consultant	$204	339	$69,238
Stakeholder Consultant 1	$57	89	$5,082
Stakeholder Consultant 2	$83	0	$0
Stakeholder Consultant 3	$105	24	$2,520
Senior IRP Engineer	$268	0	$0
Expected Labor Underrun at Completion			($99,563)
Grand Total		**8,765**	$~~2,293,788~~2,194,225

9.2 COMPENSATION FOR THE NFP SERVICES

Work will be performed on a time and materials (T&M) basis. We estimate that our labor fees to perform the NFP Services will total $ 1,224,131. This labor estimate is based on an April 2023 ECT of 3% and an assumed April 2024 ECT of 3% and an assumed April 2025 ECT of 3%. Actual labor costs may be less if the actual April 2024 ECT or the actual April 2025 ECT is less than this 3% assumed value.

We estimate that our travel and other expenses to perform the NFP Services will total $15,483. Travel and other expenses will be billed at cost and in accordance with and not exceed the requirements of the JEA Travel Policy.

These are estimates only. Actual fees and actual expenses may be more or less than these estimates based on the actual scope of work and travel performed. We will not invoice for fees and expenses in excess of these estimates without first receiving approval from JEA.

9.2.1 Breakout of Estimated Labor Fees by Major Task and Expenses

A breakout of the estimated labor fees by major task is provided in the table below. This is provided for information only and does not represent a commitment to control cost at the individual task level.

Labor Fees	
Support Need for Power Petition[4]	
Perform Communication and Management	$244,880
Perform IRP Refresh	$317,754
Perform Market Test	$268,937
Prepare Need for Power Petition	$158,416
Support PSC Need for Power Process	$218,661
Total Labor Fees	$1,208,648
Expenses	$15,483
Total Labor Fees and Expenses	$1,224,131

9.2.2 Labor Billing Rates

Labor fees will be invoiced on a monthly basis based on the actual hours performed by each Team member, multiplied by the hourly rate for the classification of that Team member from the rate table provided below (the "NFP Billing Rates"). Note that the billing rates for services to be performed from April 2024 through March 2025 are estimated assuming a 2024 ECT of 3%.

Project Functional Area	**Project Title**	Billing Rate for NFP Services performed through March 2024 ($/hr)	Estimated Billing Rate for NFP Services performed April 2024 through March 2025 ($/hr)	Estimated Billing Rate for NFP Services performed April 2025 through March 2026 ($/hr)
PM Consultant	Senior PM Consultant	$368	$379	$390
	PM Consultant 3	$352	$363	$374
	PM Consultant 2	$322	$332	$342
	PM Consultant 1	$268	$276	$284
IRP Consultant	Senior IRP Consultant	$368	$379	$390
	IRP Consultant 5	$352	$363	$374
	IRP Consultant 4	$322	$332	$342
	IRP Consultant 3	$301	$310	$319

[4] Estimate assumes the ECT is 3% for 2024 and 2026 respectively.

Project Functional Area	Project Title	Billing Rate for NFP Services performed through March 2024 ($/hr)	Estimated Billing Rate for NFP Services performed April 2024 through March 2025 ($/hr)	Estimated Billing Rate for NFP Services performed April 2025 through March 2026 ($/hr)
	IRP Consultant 2	$268	$276	$284
	IRP Consultant 1	$198	$204	$210
DSM Consultant	DSM Consultant 7	$368	$379	$390
	DSM Consultant 6	$283	$291	$300
	DSM Consultant 5	$227	$234	$241
	DSM Consultant 4	$198	$204	$210
	DSM Consultant 3	$159	$164	$169
	DSM Consultant 2	$136	$140	$144
	DSM Consultant 1	$91	$94	$97
Stakeholder Consultant	Senior Stakeholder Consultant	$210	$216	$222
	Stakeholder Consultant 3	$108	$111	$114
	Stakeholder Consultant 2	$85	$88	$91
	Stakeholder Consultant 1	$59	$61	$63
IRP Engineer	Senior IRP Engineer	$276	$284	$293
	IRP Engineer 3	$245	$252	$260
	IRP Engineer 2	$193	$199	$205
	IRP Engineer 1	$124	$128	$132

9.2.3 Expected Labor Hours to be Billed

The table below shows the expected hours to be billed by billing title.

Project Title	Hours
DSM Consultant 1	0
DSM Consultant 2	0
DSM Consultant 3	100
DSM Consultant 4	0
DSM Consultant 5	0
DSM Consultant 6	40
DSM Consultant 7	64
Senior DSM Consultant	0
IRP Consultant 1	0
IRP Consultant 2	570
IRP Consultant 3	0
IRP Consultant 4	1915
IRP Consultant 5	308

Project Title	Hours
Senior IRP Consultant	477
IRP Engineer 1	66
IRP Engineer 2	314
IRP Engineer 3	64
Senior IRP Engineer	0
PM Consultant 1	0
PM Consultant 2	0
PM Consultant 3	0
Senior PM Consultant	0
Stakeholder Consultant 1	0
Stakeholder Consultant 2	0
Stakeholder Consultant 3	0
Senior Stakeholder Consultant	0
	3918

~~8.2~~9.3 COMPENSATION FOR THE BASE SERVICES AND NFP SERVICES

The table below summarizes the estimated compensation for the Base Services and the NFP Services

Scope	Estimated Compensation
Base Services	$2,209,225
NFP Services	$1,224,131
Total	$3,433,356

~~8.3~~9.4LABOR RATE ADJUSTMENT

For IRP Follow Up Services that are performed after December 31, 2022, we will apply an adjustment to the Billing Rates (an Employee Cost Trend adjustment or "ECT Adjustment"). We will apply another ECT Adjustment for IRP Follow Up Services that are performed after December 31, 2023 (the "ECT Anniversary Date") and similarly at each subsequent ECT Anniversary Date.

The ECT Adjustment will be based on the "US Bureau of Labor Statistics Series CMU201540A120000D - Total compensation cost per employee hour worked for private professional and business services industry workers in professional and related occupations" cost index which is reported quarterly ("BLS Index"). The ECT adjustment will equal the percentage change in the BLS Index for the quarter ending on the Anniversary Date versus the BLS Index for the same quarter of the prior year.

The BLS has historically published the BLS Index for a given quarter approximately three (3) months after the end of the quarter. Therefore the ECT Adjustment will be applied by us to the Billing Rates for labor hours incurred on the date that BLS posts the index and over the next 12 month period only (no retroactive rate adjustments will be made). The maximum allowed ECT Adjustment is three percent (3%) up and two percent (2%) down.

In the event that the BLS ceases publication of the BLS Index, we and JEA shall mutually agree on a replacement index. If we and JEA fail to agree on a replacement index, we and JEA will attempt resolution under the terms of the Contract.

~~9.0~~10.0 IRP Follow Up Scope

The Team will support the scope that may occur following completion of the IRP scope. It is not possible to define the range and cost of this scope without first knowing IRP results and knowing the regulatory and political climate at the time of IRP completion. The following descriptions are representative of activities typical for these Post-IRP follow up tasks. As the nature of these IRP follow up tasks is regulatory and involves filing and defending testimony before the Florida Public Service Commission (PSC) relative to the IRP execution and results, only the Team executing the IRP is able to perform these tasks. When the time to execute any of these tasks arises, and the scope is known, the Team will work with JEA to modify the contract scope and cost accordingly.

~~9.1.1~~10.1.1 Florida Power Plant Siting Act (PPSA) Support

The Florida PPSA administered by the Florida Public Service Commission (PSC) regulates siting, construction and operation of all steam units greater than or equal to 80MW in the state of Florida, and all solar units greater than or equal to 75MW. It is a multi-step process leading finally to all necessary construction and operating permits for a new facility. It begins with a Market Test to evaluate the market for lower-cost alternatives. It follows with the Need-For-Power Application (NFP), in which the legal need for the power plant is defended before the PSC. This process is variable in length and scope depending upon the quantity of interveners. If the certificate of need is granted, the last step is the Site Certification Application. Following completion of this 18 month permitting process, the facility can be constructed. The entire PPSA process takes approximately 3 years if all filings are prepared in parallel with ongoing processes in order to compress schedule. While the process is well defined, the nature and quantity of interveners, and the politics of the PSC will affect the term of this process, which will affect cost. Therefore, cost cannot be estimated with certainty in advance.

~~9.1.2~~10.1.2 Florida Environmental Efficiency and Conservation Act (FEECA) Filing and Support

Reducing Florida's peak electric demand and energy consumption became a statutory objective in 1980, when the Florida Energy Efficiency and Conservation Act (FEECA) was enacted by the Florida Legislature. FEECA emphasizes reducing the growth rates of weather-sensitive peak demand, reducing and controlling the growth rates of electricity consumption, and reducing the consumption of scarce resources, such as petroleum fuels. During the 2008 legislative session, the Legislature amended FEECA to place greater emphasis on the pursuit of all cost-effective energy efficiency measures including demand-side renewable energy systems.

In implementing FEECA, the Florida PSC must establish numeric conservation goals for each FEECA utility, at least every five years. FEECA goals were last set by the Florida PSC in 2019. Utilities must evaluate a wide variety of conservation and peak-reducing measures to improve the efficiency of homes and buildings, and energy consuming devices. Once goals are established by the commission, the utilities have 90 days to submit for Commission approval of cost-effective demand-side management (DSM) programs designed to meet these goals.

Note: The Florida PSC is currently in the process of initiating rulemaking to explore possible rule revisions to FEECA, Docket 20200181-EU - Proposed amendment of Rule 25-17.0021, F.A.C., Goals for Electric Utilities.

~~9.1.3~~10.1.3 Forecast Breakpoint Cost of Utility vs. Large C&I Owned Energy Facilities (Objective 4.7.4)

The JEA MPS calculated the economics of many self-generation and storage technologies (e.g., solar PV, micro-turbines, reciprocating engines, etc.). This information will be leveraged for this study and supplemented, as required, for other self- generation technologies of interest to JEA. Nexant will calculate the economics of these technologies to determine break-even points under for a variety of input assumptions (e.g., $/MW initial cost, fuel costs, discount rates, JEA electric rate structure ($/ kWh, $/kW), or other inputs). Customer economics will be compared relative to purchasing electricity through JEA through traditional centralized power supply, considering the cost of the utility to provide backup firm generation.

The economic analysis will be tailored to large commercial and industrial customers, which are expected to have different generation profiles, electric rates, system costs, and customer load shapes than residential or smaller commercial customers. The Team will work with JEA to determine the technologies of greatest interest (assumed to be roughly 5-8 technologies for this engagement) and to ascertain the input parameters to be used in sensitivity analysis and break-even point calculations. For battery storage, the same SPIDER dispatch optimization module will be employed to ensure accurate economic calculations of this complex technology.

~~9.1.4~~10.1.4 Develop Framework for Decentralized Utility vs. Customer Owned Facilities (Objective 4.7.5)

Utilities and regulators are increasingly evaluating their approach to business models with the increase of decentralized facilities and increasing variety of energy products. The Team will develop a framework on which a cost-benefit analysis can be completed for ownership models of energy facilities including power supply, back-up generation, renewables and other utility products. This analysis will establish the framework to evaluate a range of technologies to evaluate and quantify the cost and benefits associated, including the following:

- Utility earnings (or loss thereof) such as impacts to rate base, capital deferrals, retail sales, performance-based revenues
- Participant and non-participant bill impacts
- Grid impacts and optimization
- Operating costs and operational synergies
- Environmental benefits
- Risks and future opportunities

~~9.1.5~~10.1.5 Perform Owner's Engineer Services

We will perform numerous engineering services in support of JEA's implementation of the new resources and other measures identified in the IRP Action Plan(s) or through other means ("Owner's Engineering Services", or "OE Services"). OE Services would include but not be limited to construction management and contract administration, value engineering analyses to identify potential changes which may enhance efficiency, reliability, serviceability or economy of resources, expediting of contractor schedules, working to reduce the cost of construction or otherwise enhance benefits to JEA, and specialty inspection and equipment testing as necessary.

~~9.1.6~~10.1.6 Perform Rate Impact Analyses

After the results of the IRP costing and modeling become available, we would prepare a financial model allowing JEA to quantify year-to-year overall rate impacts of the various IRP scenarios. The model will capture JEA debt service, coverage ratios, and O&M Expenses, including variations associated with each IRP scenario. The model will capture the entire JEA organization. As a foundation for the model we will request JEA's existing financial model and JEA's input on generic assumptions (e.g., interest rates) that JEA uses in preparing organizational financial plans. The model output will include a projection of JEA's revenue requirement and price stated in $/MWH for the study period for each scenario for each year.

Award #3 07/20/23 Supporting Documentation

		FY24
Hyb Crew Cab 4x2	**$ 53,064.18**	
	Qty	**Cost**
Electric Replacement	1	$ 53,064.18
Water Replacement	4	$ 212,256.72

Standard Cab 4x4	**$ 47,832.60**	
	Qty	**Cost**
Electric Expansion	2	$ 95,665.20
Electric Replacement	2	$ 95,665.20
Water Replacement	2	$ 95,665.20

SUV	**$ 47,701.90**	
	Qty	**Cost**
Electric Expansion	1	$ 47,701.90

	Total FY24	**$ 600,018.40**

	Total FY24
Electric Expansion -	**$ 143,367.10**
Electric Replacement	**$ 148,729.38**
Water Replacement	**$ 307,921.92**
	$ 600,018.40

Award #4 07/20/23 Supporting Documentation

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:

Mitsubishi

2. Description of Services or Supplies provided by Vendor:

For GCBAR002 - 72.5kV substation breaker, Mitsubishi has been the only approved supplier for this breaker since March 2014.

This breaker has not been ordered very often and is typically only used for replacing old Oil Circuit Breakers currently in service.

This breaker has performed well since 2014 and the Substation O&M team recommends keeping this as the only option moving forward.

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):

☑ **Single Source Procurement**. Please state which subsection of Section 3-112 above applies to this Single Source Procurement: c

OR

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

Digitally signed by Kris Rosenhauer
Date: 2023.01.05 16:05:32 -05'00'

Signature of JEA Business Unit Manager

1/5/23

Date

Kris Rosenhauer

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.

Award #4 07/20/23 Supporting Documentation

REQUEST FOR QUOTATION

21 West Church St CC-6
Jacksonville, FL 32202-3139
FAX Number: (904) 665-7363

RFQ Number: 105278

Buyer Name: Richardson, Linda Phone: (904) 665-6456 Email: RICHLS@JEA.COM

Quote Due Date: 08-JUN-23
** **By 12:00 PM Noon EST**

Vendor: 912849
Mitsubishi Electric Power Products, Inc.
C/O ENGINEERED POWER PRODUCTS INC
PO BOX 211805
ROYAL PALM BEACH, FL 33421

Date: 05-Jun-23
Vendor Contact: SUSAN WHISENHUNT**
Vendor Contact Phone: ()
Vendor Fax: (724) 772-2146
Vendor Email:
SUSAN.WHISENHUNT@EPPREP.COM

Please quote prices for items described in specific unit of measure and furnish information requested. Freight to be included in the unit cost, FOB destination unless otherwise specified by Respondent. Please notate Manufacturer and Manufacturer Part Number (where applicable) in Quote. Lead time is defined as the number of days from receipt of order to delivery of material on site. JEA accepts electronic invoices from Vendors offering discounted early payment terms.

This is not a Purchase Order. Email quote to Buyer. Form must be signed, or quote may be rejected.

Basis of Award: Unless otherwise stated, JEA intends to award based on lowest total cost.

By submitting this form, Respondent is affirming that they comply with all JEA and City of Jacksonville ordinances, policies and procedures regarding ethics and they have not been convicted of a public entity crime as listed on the Convicted Vendor list maintained by the Florida Department of Management Services.

JEA Reserves the Right:
To reject any Quote and instead award to a non-lowest cost Respondent in the instance a disproportionate amount of lead-time to cost exists.
To revise to mutually agreed upon terms with the awarded Respondent in advance of PO issuance.
To reject any responses that JEA deems is not in compliance with JEA standards or not in the best interests of JEA.
To accept or decline all or part of this Request for Quote.
To reject any Respondent whose Contract with JEA was terminated for default within the last two (2) years.

Date	RESPONDENT'S PRINTED NAME AND SIGNATURE	PHONE	PAYMENT TERMS	FREIGHT TERMS
6/8/2023	Tim Stimson Digitally signed by Tim Stimson Date: 2023.06.08 08:47:33 -04'00'	(724) 831-4888	Net 30	FOB destination

Award #4 07/20/23 Supporting Documentation

REQUEST FOR QUOTATION
21 West Church St CC-6
Jacksonville, FL 32202-3139
FAX Number: (904) 665-7363

RFQ Number: 105278

Buyer Name: Richardson, Linda Phone: (904) 665-6456 Email: RICHLS@JEA.COM

Quote Due Date: 08-JUN-23
** **By 12:00 PM Noon EST**

Line: 1 Description	Location	Quantity	U/M	Unit Price	Ext Price	Lead Time After Receipt of Order
GCBAR002 BREAKER, DEADTANK, SF6, 72.5KV, 3000A, 350KV BIL, 50KA, SPRING, COMPOSITE BUSHINGS, DOUBLE DOOR MODEL.**DRAWINGS MUST BE APPROVED BY JEA (STANDARDS OR PROJECT ENGINEER) BEFORE MANUFACTURING CAN BEGIN**	JEA, CSC Storeroom	2	Each	$ 107,182	$ 214,364	97 weeks
__70SFMT50J MITSUBISHI		Vendor Comments: MEPPI Form A terms apply.				

Grand Total $214,364

Due to unprecedented market volatility and ongoing supply chain challenges, pricing is subject to review 60 days prior to delivery of the equipment. Pricing is tied to BLS index PCU335313355313 (switchgear and switchboard apparatus manufacturing - www.bls.gov). If the index varies more than +/- 3% from time of order, product pricing will be adjusted commensurately.

Award #5 07/20/23 Supporting Documentation

S.No	Question	Weightage	Rolled Up Weightage	Scorer	Scores				
					ABJAYON, INC (jason.gordon@abjayon.com)	BIDGELY (bsnyder@bidgely.com)	APOGEE INTERACTIVE, INC. (kjohnson@apogee.net)	ORACLE AMERICA INC (brant.small@oracle.com)	Utility Consumer Analytics Inc. (asmith@harriscomputer.com)
					Weighted Scores	Weighted Scores	Weighted Scores	Weighted Scores	Weighted Scores
Grand Total of Scores					**85.81**	**73.55**	**71.63**	**72.98**	**85.88**
Supplier Rank					**2**	**3**	**5**	**4**	**1**
1	(25) Quotation of Rates	25			25	7.17	5.44	6.8	10.28
1.2	Quotation of Rates - Bid Form	100	25		25 ($820,946.00)	~~8.5~~ 7.17 ($2,860,819.00)	~~6.5~~ 5.44 ($3,775,955.00)	~~9~~ 6.80 ($3,016,034.00)	~~16.75~~ 10.28 ($1,997,250.00)
				Nick Dambrose	25	7.17	5.44	6.8	10.28
2	num Qualifications - Past Performance/Company E	25			17.7	13.2	15.7	19	17.5
2.3	Reference 1	50	12.5		8.7	6	7.8	9	8
				Nikki Pugh	12	4	5	10	8
				Angela DuBose	9	9	9	8	10
				Brian Pippin	8	8	10	10	9
				Jamie Brown	6	4	5	7	6
				Jay Magee	8.5	5	10	10	7
2.8	Reference 2	50	12.5		9	7.2	7.9	10	9.5
				Nikki Pugh	12	5	4	11	10
				Angela DuBose	9	8	8	10	10
				Brian Pippin	8	10	10	10	10
				Jamie Brown	7	7	7	9	8
				Jay Magee	9	6	10.5	10	9.5
3	(10) Professional Experience of Respondents Staff	10			6.72	8	8.92	7.4	9.08
3.1	m, each resume shall present the employee's name, title,	100	10		6.72	8	8.92	7.4	9.08
				Nikki Pugh	6	8.3	8.3	8	8.3
				Angela DuBose	8.3	9	9	6.7	10
				Brian Pippin	6.3	8	8.3	7	8.7
				Jamie Brown	7	7	10	8	9.7
				Jay Magee	6	7.7	9	7.3	8.7
4	(25) Ability to Meet the Business Requirements	25			11.2	14.2	11	9.4	18.6
4.1	es the requirements that have been identified by JEA as t	100	25		11.2	14.2	11	9.4	18.6
				Nikki Pugh	8	6	8	9	16
				Angela DuBose	18	16	10	10	20
				Brian Pippin	6	12	8	8	15
				Jamie Brown	10	16	10	8	20
				Jay Magee	14	21	19	12	22
5	Design an Approach and Workplan to Meet Project	15			9.99	9.78	9.57	9.78	11.22
5.1	rmed to complete the engagement and prepare a propos	100	15		9.99	9.78	9.57	9.78	11.22
				Nikki Pugh	7.95	9	10.95	12	10.05
				Angela DuBose	10.95	10.95	4.95	7.95	12
				Brian Pippin	10.05	12	12	10.05	13.05
				Jamie Brown	10.95	6	7.95	7.95	10.05
				Jay Magee	10.05	10.95	12	10.95	10.95
6	Vendor Presentation	25			15.2	21.2	21	20.6	19.2
		100	25						
				Nikki Pugh	21	21	24	22	20
				Angela DuBose	16	18	20	22	22
				Brian Pippin	15	25	22	20	20
				Jamie Brown	11	22	16	21	12
				Jay Magee	13	20	23	18	22

JEA Solicitation #1411001246 ITN – Licensing, Implementation, and Support of a Utility Consumption Tracker Solution
Addendum 6 Appendix B - Response Workbook (BAFO)

1) ITN – Licensing, Implementation, and Support of a Utility Consumption Tracker Solution

Utility Consumer Analytics

Provider shall submit pricing to provide the Learning Management Systemrequirements provided in this Solicitation. All bid prices shall include all parts, labor, tools and materials to provide the requirements. No additional fees shall apply.

Description of Services

1.1 Utility Consumption Tracker Solution - Annual Software Licenses Cost

Bidder agrees to provide JEA a non-revocable right to install and use the various Applications on prescribed devices during the three (3) year term of agreement. JEA anticipates the estimated quantity to be number of concurrent users. JEA shall evaluate the less cost of the two licensing options below.

Item No	Description	Estimated Qty	Unit of Measure	Unit Price	Total Five (5) Year Price
1.1.1	~~Software Licenses~~ SaaS - Cloud Based Solution Annual SaaS Fee - 470k Electric + 351k Water Accounts @ $0.45/account.	821000	per one (1) year per license	$ 0.45	1,847,250.00
1.1.2	Software Licenses - On Premise Solution On Premise is NOT AVAILABLE	0	per one (1) year per license	$ -	0.00
1.1.3	***Utility Consumption Tracker Solution - Annual Software License Cost***				**1,847,250.00**

Description of Services

1.2 Utility Consumption Tracker Solution - Setup / Implementation Fees

1.2.1 Setup / Implementation -
Any travel expenses shall be included and subject to Appendix A - JEA Travel Policy.

Item No	Description	Not to Exceed (NTE) Hours	Hourly Rate	Total Price
1.2.2	Project management / Non-Technical Team Professional Services	400.0	200.00	80,000.00
	Technical Team Professional Services			
1.2.3	Analysis	150.0	200.00	30,000.00
1.2.4	Configuration	500.0	200.00	100,000.00
1.2.5	Development/Customization	0.0	200.00	0.00
1.2.6	Unit, Configuration and system testing	200.0	200.00	40,000.00
1.2.7	Existing Customer Loyalty Credit	(500.0)	200.00	-100,000.00
1.2.8	***Learning Management System (LMS) - Setup / Implementation Fees***			**150,000.00**

Description of Services

1.3 Utility Consumption Tracker Solution - Recurring Annual Maintenance and Support

Costs shall shall include, but may not be limited to Maintenance and Support, must include technical support, customizations, and free software upgrades

Item No	Description	Estimated Qty	Unit of Measure	Unit Price	Total Five (5) Year Price
1.3.1	Maintenance and Support - Included with SaaS annual subscription During the term of the Program, Bidder agrees to maintain its platform and systems to a commercially reasonable level, provide complimentary timely repair of material deficiencies, to provide limited unobtrusive updates and software revisions, and to support its platform and systems to a commercially reasonable level with customer service available from 9 a.m. to 5 a.m. eastern standard time during the term.	5	per one (1) year	0.00	**0.00**
	Service Level Agreement - Maintenance and Support shall be subject to a service level agreement. The service level agreement shall contain the quality criteria and the at risk percentages contained in this Section.	**Severity**	**Quality Criteria**	**Definition**	**% of Monthly Maintenance and Support Fees at Risk**
		Critical	Average Response Time <= 1 Hour	Business outage or significant customer impact that threatens future productivity	5%
		Urgent	Average Response Time <= 2 Hours	High-impact problem where production is proceeding, but in a significantly impaired fashion; there is a time-sensitive issue important to long term productivity that is not causing an immediate work stoppage; or there is significant customer concern.	2%
		Important	Average Response Time <= 4 Hours	Important issue that does not have significant current productivity impact	2%
		Monitor	Average Response Time <= 1 business day	Issue requiring no further action beyond monitoring for follow-up, if needed	1%
		Informational	Average Response Time <= 2 business days	Request for information only	1%

				Total $ of Monthly Maintenance and Support Fees at Risk	0.00
1.3.3				***Learning Management System (LMS) - Recurring Annual Maintenance and Support***	**0.00**
Item No	**Description**	**Estimated Qty**	**Unit of Measure**	**Unit Price**	**Total Price**
1.4.1	Utility Consumption Tracker Solution - **Administrative Level Training** Training to be completed for all identified personnel 2 weeks before launch. Dedicated technical support at a minimum of 30 days after implementation/launch. Training deliverables to include: written material, CBTs, classroom training, robust Q&A, daily triage of performance. Cost is included in implemenation fees	1	per lump sum	***0.00***	0.00
1.4.2				***Utility Consumption Tracker Solution - Administrative Level Training***	**0.00**
1.5				***Utility Consumption Tracker Solution - Total Bid Price (Transfer this Amount to Zycus E-Sourcing Tool)***	**1,997,250.00**

Award #6 07/20/23 Supporting Documentation

Approved by the JEA Awards Committee

Date: 10/27/2022 Item# 6

Formal Bid and Award System

Award #6 October 27, 2022

Type of Award Request: CONTRACT INCREASE
Requestor Name: Domingo, Oliver
Requestor Phone: (904) 665-6325
Project Title: Water/Wastewater Capital Program Management
Index Number: 425-58
Project Location: JEA
Funds: Capital
Budget Estimate: $1,754,627.00
Scope of Work:

JEA is seeking a vendor (also referred to as the "Company") that can provide program management of various large infrastructure programs including the Southside Integrated Piping System (SIPS), wellfield rehabilitation and various other programs as needed to support JEA's Water/Wastewater (W/WW) capital improvement program as required by JEA (the "Work" or "Services").

JEA IFB/RFP/State/City/GSA#: 062-19
Purchasing Agent: Kruck, Dan
Is this a Ratification?: NO

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	mike.dykes @jacobs.com	200 W Forsyth St., Ste. 1520, Jacksonville, FL 32202	(904) 442-2286	$1,754,627.00

Amount of Original Award: $10,354,970.00
Date of Original Award: 06/13/2019
List of Previous Change Order/Amendments:

CPA #	Amount	Date	Reason
182848	$11,762,643.00	03/05/2020	FY20 Task Orders
182848	$7,048,749.00	3/25/2021	FY21 Task Orders
182848	($5,354,716.00)	04/14/2021	Reduction in scope and fee in executed contract amendment (see ratification/background sections)
182848	$3,145,619.00	09/09/2021	FY22 Task Orders
182848	$6,724,253.00	02/17/2022	Hogan's Creek Chilled Water Distribution Expansion
182848	9,238,061.00	10/13/2022	FY23 Task Orders

Contract Increase Amount: $1,754,627.00
New Not-To-Exceed Amount: $44,674,206.00
Length of Contract/PO Term: Five (5) Years w/Two (2) - 1 Yr. Renewals
Begin Date: 07/01/2019
End Date: 06/30/2024
Renewal Options: Yes – Two (2) – 1 Yr. Renewals
JSEB Requirement: Task Order Based

Award #6 07/20/23 Supporting Documentation

Comments on JSEB Requirements:

Original Award:
N/A

This Change Order:
Each task order will be reviewed for JSEB requirements before authorization

*JSEB Note: JSEB participation so far under this contract is set at $5,773,109.00 for the various task orders.

Background/Recommendations:

Originally approved by Awards Committee on 06/13/2019 in the amount of $10,354,970.00 to Jacobs Engineering Group, Inc. Contract increases were approved on 03/05/2020 by the Awards Committee for work during FY20 ($11,762,643.00), on 03/25/2021 for work during FY21 ($7,048,749.00), and on 09/09/2021 for work during FY22 ($3,145,619.00). Contract increase was approved by the Awards Committee on 02/17/2022 for work on the Hogan's Creek chilled water distribution expansion in the amount of $6,724,253.00. Additionally, a contract increase was approved by the Awards Committee on 10/13/2022 for work during FY23. Copies of the previous awards are attached for reference.

In this Program, work is authorized via task orders. Before a task order can be authorized there needs to be sufficient contract cap to cover the task order(s). Once sufficient cap is established, the task order(s) can then be authorized.

This award request is for a contract increase to the program management contract of Jacobs Engineering Group, Inc. to cover an additional task order amount needed for the remainder of FY23. The task order being authorized under this contract increase request is listed below.

1. TO-W9: Ponce de Leon Replacement Well ($1,754,627.00)

Request approval to award a contract increase to Jacobs Engineering Group, Inc. for additional Water/Wastewater Capital Program Management in the amount of $1,754,627.00, for a new not-to-exceed amount of $44,674,206.00, subject to the availability of lawfully appropriated funds.

Director: Conner, Sean M. – Dir. W/WW Project Engineering & Construction
VP: Melendez, Pedro A. - VP Planning Engineering & Construction

APPROVALS:

Stephen Datz 10/27/2022

Chairman, Awards Committee **Date**

Stephanie M Healy 10/27/2022

Budget Representative **Date**

Formal Bid and Award System

Award #11 June 13, 2019

Type of Award Request:	PROPOSAL (RFP)
Request #:	6531
Requestor Name:	Domingo, Oliver. – Program Manager
Requestor Phone:	(904) 665-6325
Project Title:	Water/Wastewater Capital Program Management
Project Number:	Various
Project Location:	JEA
Funds:	Capital
Budget Estimate:	$12,500,000.00

Scope of Work:

JEA is seeking a vendor (also referred to as the "Company") that can provide the following services: program management of various large infrastructure programs including the Southside Integrated Piping System (SIPS), wellfield rehabilitation, large diameter pipe design and construction, and various other programs as needed to support JEA's Water/Wastewater (W/WW) capital improvement program as required by JEA (the "Work" or "Services").

This award impacts the following JEA's Measures of Value:

- Customer Value – JEA's investment in improving services and assets through this program will add value to customers by executing projects that will improve JEA's operational capabilities with regards to water and wastewater management while also improving service reliability.
- Community Impact Value – This program will stimulate local economic development through the execution of design and construction contracts while supporting the Jacksonville Small & Emerging Business program.
- Environmental Value – Management of the Southside Water Transmission Pipeline and Wellfield Rehabilitation and Replacement Programs under a single Program Manager is critical to the success of both programs. These two large programs will play a significant role in the utilization and management of Northeast Florida's water resources by providing solutions for water conveyance between the North and South water grids and wellfield improvements for a reliable water supply. The execution of both of these two programs will require significant investments in resources, coordination and planning that a Program Manager will bring to the table.
- Financial Value – Program Manager will bring financial value by completing tasks efficiently and in a more timely manner than conducting these tasks as individual projects.

JEA IFB/RFP/State/City/GSA#:	062-19
Purchasing Agent:	Kruck, Daniel R.
Is this a Ratification?:	NO

RECOMMENDED AWARDEE(S):

Award #6 07/20/23 Supporting Documentation

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	Mike.dykes@jacobs.com	200 W Forsyth Street, Suite 1520, Jacksonville, FL 32202	(904) 442-2286	$10,354,970.00

Amount for entire term of Contract/PO: $10,354,970.00
Award Amount for remainder of this FY: $2,052,415.00
Length of Contract/PO Term: Five (5) Years w/Two (2) - 1 Yr. Renewals
Begin Date (mm/dd/yyyy): 07/01/2019
End Date (mm/dd/yyyy): 06/30/2024
Renewal Options: Yes – Two (2) – 1 Yr. Renewals
JSEB Requirement: N/A – Optional for Phase 1 Startup
Comments on JSEB Requirements:
No JSEB requirement for Phase 1 startup. There will specific JSEB goals for each task order authorized tailored to that project.

PROPOSERS:

Name	Amount	Rank
JACOBS ENGINEERING GROUP INC.	$10,354,970.00	1
BLACK & VEATCH CORPORATION	N/A	2
AECOM TECHNICAL SERVICES, INC.	N/A	3
HASKELL COMPANY	N/A	4

Background/Recommendations:
Advertised on 02/18/2019. Ten (10) prime companies attended the mandatory pre-proposal meeting held on 02/25/2019. At proposal opening on 03/19/2019, JEA received four (4) proposals. The public evaluation meeting was held on 04/03/2019 and JEA deemed Jacobs Engineering Group Inc. most qualified to perform the work. A copy of the evaluation matrix and negotiated fees for Phase1 are attached as backup.

This Program Management contract will consist of three (3) main sub-programs: Southside Integrated Piping System (SIPS), Wellfield Rehabilitation, and Large Diameter Piping. The SIPS sub-program consists of designing and constructing five (5) raw water pipelines that will traverse the Jacksonville Southside area to move raw water from the current river crossing to water treatment plants in the South Grid. This strategy will allow JEA to meet the projected customer growth in the South Grid without increasing the CUP. The Wellfield Rehabilitation sub-program will work in conjunction with SIPS to identify and prioritize under producing wells and bring them back to acceptable production. This sub-program in particular is well suited for delivery by a program manager as it requires a holistic approach to prioritizing, designing, and rehabilitating or constructing new wells as well as managing the work to provide uninterrupted service. The large diameter pipe sub-program will be responsible for designing and constructing large pipelines that have been identified as high-risk by the current Large Diameter Pipe Program managed by Arcadis. Constructing these pipelines under one program will increase competition by encouraging out-of-market firms to participate while reducing design and construction management overhead costs.

FY19 will be the first phase of the program: Program Kickoff. For the remainder of the fiscal year, Jacobs will work with JEA to set up program communication, reporting, billing, and other protocol as well as determine the specific delivery structure for each sub-program. Activities in Phase 1 also include fast-start design work to get critical activities started. The first critical fast-start activity of note is the route study needed to setup the SIPS sub-program.

Negotiations with Jacobs Engineering were successfully completed for Phase 1. The monthly invoices will be matched to the appropriate capital budget project. The negotiated rates were compared to current rates for engineering services on other projects through current contracts and deemed reasonable. Future years will be funded by sub-program through various task orders. These task orders will be negotiated and funded using both traditional and alternative delivery methods. It is currently expected that some of this work will be contracted using "at-risk" methods where the contractor's fee is tied to performance based metrics. Negotiations resulted in cost savings of $1,121,707.06 for Phase 1 from the originally proposed fee.

The original cost of Program Manager services to support the W/WW Capital Improvement Plan was estimated at $50,000,000.00 over five years. This initial estimate was calculated by taking 5% of the projected five-year capital spend of $1.04B from FY19-FY23. This equated to an estimated average budget of $10,000,000.00 per fiscal year of the five year contract with an estimated budget of $12,500,000.00 for FY19 and FY20. The final negotiated fee for FY19 and FY20 services is $10,354,970.00; a difference of $2,145,030.00 less than the original estimate of $12,500,000.00.

Contract Budget Details:

- FY19: $2,052,415.00
- FY20: $8,302,555.00

062-19 – Request approval to award a contract to Jacobs Engineering Group Inc. for Water/Wastewater Capital Program Management in the amount of $10,354,970.00, subject to the availability of lawfully appropriated funds.

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

APPROVALS:

6/13/19

Chairman, Awards Committee **Date**

6/13/19

Manager, Capital Budget Planning **Date**

Award #6 07/20/23 Supporting Documentation

Approved by the JEA Awards Committee
Date: 03/05/2020 Item# 2

Formal Bid and Award System

Award #2 March 05, 2020

Type of Award Request: CONTRACT INCREASE
Requestor Name: Domingo, Oliver
Requestor Phone: (904) 665-6325
Project Title: Water/Wastewater Capital Program Management
Project Number: Various
Project Location: JEA
Funds: Capital
Budget Estimate: $11,762,643.00

Scope of Work:

JEA is seeking a vendor (also referred to as the "Company") that can provide the following services: program management of various large infrastructure programs including the Southside Integrated Piping System (SIPS), wellfield rehabilitation, large diameter pipe design and construction, and various other programs as needed to support JEA's Water/Wastewater (W/WW) capital improvement program as required by JEA (the "Work" or "Services").

JEA IFB/RFP/State/City/GSA#: 062-19
Purchasing Agent: Kruck, Dan
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	mike.dykes @jacobs.com	200 W Forsyth St., Ste. 1520, Jacksonville, FL 32202	(904) 442-2286	$11,762,643.00

Amount of Original Award: $10,354,970.00
Date of Original Award: 06/13/2019
Contract Increase Amount: $11,762,643.00
New Not-To-Exceed Amount: $22,117,613.00
Length of Contract/PO Term: Five (5) Years w/Two (2) - 1 Yr. Renewals
Begin Date (mm/dd/yyyy): 07/01/2019
End Date (mm/dd/yyyy): 06/30/2024
Renewal Options: Yes – Two (2) – 1 Yr. Renewals
JSEB Requirement: N/A
Comments on JSEB Requirements:

Original Award:
N/A

This Change Order:
Each task order will be reviewed for JSEB requirements

Award #6 07/20/23 Supporting Documentation

Background/Recommendations:

Originally approved by Awards Committee on 06/13/2019 in the amount of $10,354,970.00 to Jacobs Engineering Group Inc. A copy of the original award is attached as backup.

In this Program work is authorized via task orders. Before a task order can be authorized there needs to be sufficient cap within the contract to cover the task order. Once sufficient cap is established the task order can then be authorized. This award request is for a contract increase to the program management contract of Jacobs Engineering Group Inc. The amount of the contract increase is to cover the additional task order amounts needed for the remainder of FY20. One such task order is TO-L4 which is the task order for the Emergency Repair Work at Buckman St. This task order alone is worth approximately $5M.

1. TO-P1 Program Management Services Subprogram
2. TO-P2 Program Startup
3. TO-P3 Owners rep services – MarshWagner
4. TO-S1 SIPS Subprogram - Phase 1 Services
5. TO-S2 SIPS Subprogram Startup
6. TO-S3 SIPS - Deerwood - Southside Blvd. Intertie to Deerwood III WTP Pipeline - Design
7. TO-S5 SIPS - Greenland - Deerwood III WTP to Greenland WTP Pipeline - Design
8. TO-L1 LDP Subprogram - Phase 1 Services
9. TO-L2 LDP Subprogram Startup
10. TO-L3 South Shores Sub-Aqueous Force Main Rehabilitation Project
11. TO-L4 Emergency Repair-Buckman St 42" Trunk Sewer-S - JPM
12. TO-L5 LDP-Martin Luther King: Fairfax to Brentwood Water Main Replacement
13. TO-W1 Wellfield Rehabilitation Subprogram - Phase 1 Services
14. TO-W2 Wellfield Rehabilitation Subprogram Startup
15. TO-W3 Wellfield Rehabilitation Subprogram - Group 1 Well Rehabilitation Services
16. TO-W4 New Well Construction

Request approval to award a contract increase to Jacobs Engineering Group Inc. for additional Water/Wastewater Capital Program Management in the amount of $11,762,643.00, for a new not-to-exceed amount of $22,117,613.00, subject to the availability of lawfully appropriated funds.

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

VP: Calhoun, Deryle I. - VP/GM Water Wastewater Systems

APPROVALS:

3/5/2020

Chairman, Awards Committee **Date**

3/5/20

Manager, Capital Budget Planning **Date**

Award #6 07/20/23 Supporting Documentation

Approved by the JEA Awards Committee
Date: 03/25/2021 Item# 3

Formal Bid and Award System

Award #3 March 25, 2021

Type of Award Request: CONTRACT AMENDMENT
Requestor Name: Domingo, Oliver
Requestor Phone: (904) 665-6325
Project Title: Water/Wastewater Capital Program Management
Project Number: Various
Project Location: JEA
Funds: Capital
Budget Estimate: $7,250,000.00
Scope of Work:

JEA is seeking a vendor (also referred to as the "Company") that can provide program management of various large infrastructure programs including the Southside Integrated Piping System (SIPS), wellfield rehabilitation and various other programs as needed to support JEA's Water/Wastewater (W/WW) capital improvement program as required by JEA (the "Work" or "Services").

JEA IFB/RFP/State/City/GSA#: 062-19
Purchasing Agent: Kruck, Dan
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	mike.dykes @jacobs.com	200 W Forsyth St., Ste. 1520, Jacksonville, FL 32202	(904) 442-2286	$7,048,749.00

Amount of Original Award: $10,354,970.00
Date of Original Award: 06/13/2019
List of Previous Change Order/Amendments

CPA #	Amount	Date	Reason
182848	$11,762,643.00	03/05/2020	FY20 Task Orders

Contract Increase Amount: $7,048,749.00
New Not-To-Exceed Amount: $29,166,362.00
Length of Contract/PO Term: Five (5) Years w/Two (2) - 1 Yr. Renewals
Begin Date (mm/dd/yyyy): 07/01/2019
End Date (mm/dd/yyyy): 06/30/2024
Renewal Options: Yes – Two (2) – 1 Yr. Renewals
JSEB Requirement: N/A
Comments on JSEB Requirements:

Original Award:
N/A

This Change Order:
Each task order will be reviewed for JSEB requirements before authorization

Background/Recommendations:

Originally approved by Awards Committee on 06/13/2019 in the amount of $10,354,970.00 to Jacobs Engineering Group Inc. A contract increase was approved on 03/05/2020 by the Awards Committee for work during FY20. A copy of the previous awards are attached as backup.

This Program work is authorized via task orders. Before a task order can be authorized there needs to be sufficient contract cap to cover the task order(s). Once sufficient cap is established the task order(s) can then be authorized. This award request is for a contract increase to the program management contract of Jacobs Engineering Group Inc. to cover the additional task order amounts needed for the remainder of FY21. The funding breakdown for the task orders is attached as backup. The task orders being authorized under this contract increase request are listed below.

1. TO-P3 Owner's rep services – MarshWagner
2. TO-S3 SIPS - Deerwood - Southside Blvd. Intertie to Deerwood III WTP Pipeline - Design
3. TO-W1 Wellfield Rehabilitation Subprogram - Phase 1 Services
4. TO-W4 Purchase and Installation of Pumps for the W3 Well Rehab Projects
5. TO-W7 St Johns Forest 5 Well Construction

Request approval to award a contract increase to Jacobs Engineering Group Inc. for additional Water/Wastewater Capital Program Management in the amount of $7,048,749.00, for a new not-to-exceed amount of $29,166,362.00, subject to the availability of lawfully appropriated funds.

Director: Conner, Sean M., - Dir W/WW Project Engineering & Construction
VP: Vu, Hai X. - VP Water Wastewater Systems

APPROVALS:

03/25/2021

Chairman, Awards Committee **Date**

3/25/21

Budget Representative **Date**

Award #6 07/20/23 Supporting Documentation

Approved by the JEA Awards Committee

Date: 09/09/2021 Item# 2

Formal Bid and Award System

Award #2 September 9, 2021

Type of Award Request:	CONTRACT AMENDMENT
Requestor Name:	Domingo, Oliver
Requestor Phone:	(904) 665-6325
Project Title:	Water/Wastewater Capital Program Management
Project Number:	425-14; 10100
Project Location:	JEA
Funds:	Capital, O&M
Budget Estimate:	$4,485,183.00 (Funding from well rehab index #425-14: $2,936,451.00, and cost center 10100: $209,168.00)

Scope of Work:

JEA is seeking a vendor (also referred to as the "Company") that can provide program management of various large infrastructure programs including the Southside Integrated Piping System (SIPS), wellfield rehabilitation and various other programs as needed to support JEA's Water/Wastewater (W/WW) capital improvement program as required by JEA (the "Work" or "Services").

JEA IFB/RFP/State/City/GSA#:	062-19
Purchasing Agent:	Kruck, Dan
Is this a Ratification?:	YES (Partial)

After Award Committee approval on 03/25/2021, JEA removed part of the approved scope and fee from the approved contract amendment amount of $7,048,749.00, resulting in an amendment increase of only $1,694,033.00. This resulted in a reduction of the approved contract NTE in the amount ($5,354,716.00) which requires Awards Committee approval.

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	mike.dykes @jacobs.com	200 W Forsyth St., Ste. 1520, Jacksonville, FL 32202	(904) 442-2286	$3,145,619.00

Amount of Original Award: $10,354,970.00

Date of Original Award: 06/13/2019

List of Previous Change Order/Amendments

CPA #	Amount	Date	Reason
182848	$11,762,643.00	03/05/2020	FY20 Task Orders
182848	$7,048,749.00	3/25/2021	FY21 Task Orders
182848	($5,354,716.00)	04/14/2021	Reduction in scope and fee in executed contract amendment (see ratification/background sections

Contract Increase Amount: $3,145,619.00

Award #6 07/20/23 Supporting Documentation

New Not-To-Exceed Amount:	$26,957,265.00
Length of Contract/PO Term:	Five (5) Years w/Two (2) - 1 Yr. Renewals
Begin Date:	07/01/2019
End Date:	06/30/2024
Renewal Options:	Yes – Two (2) – 1 Yr. Renewals
JSEB Requirement:	N/A

Comments on JSEB Requirements:

Original Award:
N/A

This Change Order:
Each task order will be reviewed for JSEB requirements before authorization

*JSEB Note: JSEB participation so far under this contract is set at $5,773,109.00 for the various task orders. Actual JSEB spend under this contract is $1,813,089.39 for services billed to date.

Background/Recommendations:

Originally approved by Awards Committee on 06/13/2019 in the amount of $10,354,970.00 to Jacobs Engineering Group Inc. A contract increase was approved on 03/05/2020 by the Awards Committee for work during FY20 in the amount of $11,762,643.00. A contract increase was approved on 03/25/2021 by the Awards Committee for work during FY21 in the amount of $7,048,749.00. A copy of the previous awards are attached as backup.

During contract execution for the FY21 amendment approved by the Awards Committee on 03/25/2021, JEA determined that the scope of work for FY21 task orders be reduced to only wellfield rehabilitation services. This resulted in a decrease of the contract amendment NTE in the amount of ($5,354,716.00). Since this decrease was not brought before the Awards Committee it has resulted in this ratification request.

This award request is also for a contract increase to the program management contract of Jacobs Engineering Group Inc. to cover the additional task order amounts needed for FY22. The funding breakdown for the task orders is attached as backup. The task orders being authorized under this contract increase request are listed below.

1. TO-W8 Wellfield Rehabilitation Subprogram - FY22 Well Rehabilitation Services - $2,936,451.00
2. TO-BSS Business Strategy Services in support of DES - $209,168.00 (Phases 1 & 2 of attached quote)

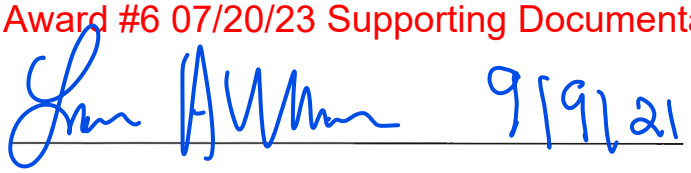
Request approval to award a ratification of reduction in contract scope and fee in the amount of ($5,354,716.00) and a contract increase to Jacobs Engineering Group Inc. for additional Water/Wastewater Capital Program Management in the amount of $3,145,619.00, for a new not-to-exceed amount of $26,957,265.00, subject to the availability of lawfully appropriated funds.

Director: Conner, Sean M., - Dir W/WW Project Engineering & Construction
VP: Vu, Hai X. - VP Water Wastewater Systems

APPROVALS:

Stephen Daly 9/9/21

Chairman, Awards Committee **Date**



Budget Representative **Date**

Award #6 07/20/23 Supporting Documentation

Approved by the JEA Awards Committee

Date: 02/17/2022 Item# 3

Formal Bid and Award System

Award #3 February 17, 2022

Type of Award Request: CONTRACT INCREASE
Requestor Name: Domingo, Oliver
Requestor Phone: (904) 665-6325
Project Title: Water/Wastewater Capital Program Management
Project Number: 428-130
Project Location: JEA
Funds: Capital
Budget Estimate: $6,724,253.00 (awarding to budget estimate)
Scope of Work:

JEA is seeking a vendor (also referred to as the "Company") that can provide program management of various large infrastructure programs including the Southside Integrated Piping System (SIPS), wellfield rehabilitation and various other programs as needed to support JEA's Water/Wastewater (W/WW) capital improvement program as required by JEA (the "Work" or "Services").

JEA IFB/RFP/State/City/GSA#: 062-19
Purchasing Agent: Kruck, Dan
Is this a Ratification?: NO

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	mike.dykes @jacobs.com	200 W Forsyth St., Ste. 1520, Jacksonville, FL 32202	(904) 442-2286	$6,724,253.00

Amount of Original Award: $10,354,970.00
Date of Original Award: 06/13/2019
List of Previous Change Order/Amendments

CPA #	Amount	Date	Reason
182848	$11,762,643.00	03/05/2020	FY20 Task Orders
182848	$7,048,749.00	3/25/2021	FY21 Task Orders
182848	($5,354,716.00)	04/14/2021	Reduction in scope and fee in executed contract amendment (see ratification/background sections
182848	$3,145,619.00	09/09/2021	FY22 Task Orders

Contract Increase Amount: $6,724,253.00
New Not-To-Exceed Amount: $33,681,518.00
Length of Contract/PO Term: Five (5) Years w/Two (2) - 1 Yr. Renewals
Begin Date: 07/01/2019
End Date: 06/30/2024
Renewal Options: Yes – Two (2) – 1 Yr. Renewals
JSEB Requirement: N/A

Comments on JSEB Requirements:

Original Award:
N/A

This Change Order:
Each task order will be reviewed for JSEB requirements before authorization

*JSEB Note: JSEB participation so far under this contract is set at $5,773,109.00 for the various task orders.

Background/Recommendations:

Originally approved by Awards Committee on 06/13/2019 in the amount of $10,354,970.00 to Jacobs Engineering Group Inc. A contract increase was approved on 03/05/2020 by the Awards Committee for work during FY20 in the amount of $11,762,643.00. A contract increase was approved on 03/25/2021 by the Awards Committee for work during FY21 in the amount of $7,048,749.00. Additionally, a contract increase was approved by the Awards Committee on 09/21/2021 for work during FY22 in the amount of $3,145,619.00. Copies of the previous awards are attached as backup.

This is a contract increase request to the Program Management contract of Jacobs Engineering Group Inc. to cover an additional FY22 task order. The task covers installation of a chilled water line from the Hogan's Creek District Energy System (DES) plant to the upcoming Jaguars Performance Facility. The new chilled water line will allow JEA to add this new facility to our DES customer base and allow for the possible future expansion to the stadium. JEA is awarding to our budget estimate for engineering services during construction for this project. The final project budget will be completed once design has progressed to a point accurate estimating can be accomplished. A copy of the project definition is attached for reference.

The scope of work of this task order will consist of the design and construction of approximately 1,800 LF of 20" chilled water mains (supply and return) from the existing system to a vault at the northwest corner of the Stadium, primarily within the Duval Street corridor, via the Progressive Design-Build method. The method of construction will be mixed due to the presence of numerous adjacent utilities (large diameter water and force mains, high voltage electrical underground crossings). The project will include the installation of the energy delivery station to the Jaguars Performance Facility (coordinated with and designed by others) and stub-out for future stadium connection. The requested start date for chilled water service at this facility is March 2023.

Request approval to award a ratification of a contract increase to Jacobs Engineering Group Inc. for additional Water/Wastewater Capital Program Management in the amount of $6,724,253.00 for a new not-to-exceed amount of $33,681,518.00, subject to the availability of lawfully appropriated funds.

Director: Conner, Sean M. - Dir W/WW Project Engineering & Construction
VP: Vu, Hai X. - VP Water Wastewater Systems

APPROVALS:

[signature] 2/17/22

Chairman, Awards Committee **Date**

Hai X. Vu 02/17/2022

Vice President **Date**

Award #6 07/20/23 Supporting Documentation

Approved by the JEA Awards Committee

Date: 10/13/2022 Item# 7

Formal Bid and Award System

Award #7 October 13, 2022

Type of Award Request: CONTRACT INCREASE
Requestor Name: Domingo, Oliver
Requestor Phone: (904) 665-6325
Project Title: Water/Wastewater Capital Program Management
Project Number: Various
Project Location: JEA
Funds: Capital
Budget Estimate: $9,238,061.00

Scope of Work:

JEA is seeking a vendor (also referred to as the "Company") that can provide program management of various large infrastructure programs including the Southside Integrated Piping System (SIPS), wellfield rehabilitation and various other programs as needed to support JEA's Water/Wastewater (W/WW) capital improvement program as required by JEA (the "Work" or "Services").

JEA IFB/RFP/State/City/GSA#: 062-19
Purchasing Agent: Kruck, Dan
Is this a Ratification?: NO

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	mike.dykes @jacobs.com	200 W Forsyth St., Ste. 1520, Jacksonville, FL 32202	(904) 442-2286	$9,238,061.00

Amount of Original Award: $10,354,970.00
Date of Original Award: 06/13/2019

List of Previous Change Order/Amendments

CPA #	Amount	Date	Reason
182848	$11,762,643.00	03/05/2020	FY20 Task Orders
182848	$7,048,749.00	3/25/2021	FY21 Task Orders
182848	($5,354,716.00)	04/14/2021	Reduction in scope and fee in executed contract amendment (see ratification/background sections)
182848	$3,145,619.00	09/09/2021	FY22 Task Orders
182848	$6,724,253.00	02/17/2022	Hogan's Creek Chilled Water Distribution Expansion

Contract Increase Amount: $9,238,061.00
New Not-To-Exceed Amount: $42,919,579.00
Length of Contract/PO Term: Five (5) Years w/Two (2) - 1 Yr. Renewals
Begin Date: 07/01/2019
End Date: 06/30/2024
Renewal Options: Yes – Two (2) – 1 Yr. Renewals
JSEB Requirement: Task Order Based

Award #6 07/20/23 Supporting Documentation

Comments on JSEB Requirements:

Original Award:
N/A

This Change Order:
Each task order will be reviewed for JSEB requirements before authorization

*JSEB Note: JSEB participation so far under this contract is set at $5,773,109.00 for the various task orders.

Background/Recommendations:

Originally approved by Awards Committee on 06/13/2019 in the amount of $10,354,970.00 to Jacobs Engineering Group Inc. A contract increases were approved on 03/05/2020 by the Awards Committee for work during FY20 ($11,762,643.00), on 03/25/2021 for work during FY21 ($7,048,749.00), and on 09/21/2021 for work during FY22 ($3,145,619.00). Additionally, a contract increase was approved by the Awards Committee on 02/17/2022 for work on chilled water mains to the Jaguars Performance Facility in the amount of $6,724,253.00. Copies of the previous awards are attached for reference.

In this Program, work is authorized via task orders. Before a task order can be authorized there needs to be sufficient contract cap to cover the task order(s). Once sufficient cap is established, the task order(s) can then be authorized. This award request is for a contract increase to the program management contract of Jacobs Engineering Group Inc. to cover the additional task order amounts needed for the remainder of FY23. The funding breakdown for the task orders is attached as backup. The task orders being authorized under this contract increase request are listed below.

1. TO-S3: SIPS - Deerwood - Southside Blvd. Intertie to Deerwood III WTP Pipeline ($253,467.00)
2. TO-W1: Wellfield Rehabilitation Subprogram ($901,650.00)
3. TO-P7: Hogan's Creek Chilled Water Distribution Expansion ($4,777,623.00)
4. TO-10: FY23 Well Rehabilitation Services ($3,305,321.00)

Request approval to award a contract increase to Jacobs Engineering Group Inc. for additional Water/Wastewater Capital Program Management in the amount of $9,238,061.00 for a new not-to-exceed amount of $42,919,579.00, subject to the availability of lawfully appropriated funds.

Director: Conner, Sean M. - Dir W/WW Project Engineering & Construction
VP: Melendez-Melendez, Pedro A. - VP Planning Engineering & Construction

APPROVALS:

Stephen Datz 10/13/2022

Chairman, Awards Committee **Date**

Stephanie M Healy 10/13/2022

Budget Representative **Date**

Award #7 07/20/23 Supporting Documentation

#	1411124446 SJRPP Substation Engineering Summary Evaluation Matrix								
	Vendor Rankings	Heaton	Henderson	Duffy	Σ	Rank	Total Score	**Proposal Price**	**Price Points**
1	Birmingham Controls	66.1	63.6	68.1	198	**4**	65.9	$ 13,944,750.00	44.1
2	Keltour	61.1	63.1	65.1	189	**5**	63.1	$ 16,125,561.26	38.1
3	Kemco	89.0	90.0	81.0	260	**1**	86.7	$ 10,238,879.00	60.0
4	PowerServe	72.1	69.1	76.1	217	**3**	72.4	$ 13,934,676.00	44.1
5	SEL	82.5	83.5	89.5	255	**2**	85.2	$ 11,071,493.00	55.5

#	Heaton	Quotation of Rates (60)	Design Approach (20 Points)	Experience (20 Points)		Total	Rank
1	Birmingham Controls	44.1	8.0	14.0		66.1	4
2	Keltour	38.1	8.0	15.0		61.1	5
3	Kemco	60.0	11.0	18.0		89.0	1
4	PowerServe	44.1	10.0	18.0		72.1	3
5	SEL	55.5	12.0	15.0		82.5	2

	Henderson	Quotation of Rates (60)	Design Approach (20 Points)	Experience (20 Points)		Total	Rank
1	Birmingham Controls	44.1	9.0	10.5		63.6	4
2	Keltour	38.1	13	12.0		63.1	5
3	Kemco	60.0	15.0	15.0		90.0	1
4	PowerServe	44.1	12.0	13.0		69.1	3
5	SEL	55.5	15.0	13.0		83.5	2

	Duffy	Quotation of Rates (60)	Design Approach (20 Points)	Experience (20 Points)		Total	Rank
1	Birmingham Controls	44.1	12.0	12.0		68.1	4
2	Keltour	38.1	12.0	15.0		65.1	5
3	Kemco	60.0	7.0	14.0		81.0	2
4	PowerServe	44.1	16.0	16.0		76.1	3
5	SEL	55.5	16.0	18.0		89.5	1

	Overall Averages	Quotation of Rates (60)	Design Approach (20 Points)	Experience (20 Points)		Total	
1	Birmingham Controls	44.05	11.67	13.00		68.72	
2	Keltour	38.10	11.00	14.00		63.10	
3	Kemco	60.00	11.00	15.67		86.67	
4	PowerServe	44.09	12.67	15.67		72.42	
5	SEL	55.49	14.33	15.33		85.15	

1411214646 Addendum 1 Quotation of Rates Workbook

#	Price Approach - For the Panel types listed below, for each line the Respondent shall include in the Unit Price, the cost of materials, components, manufacturing (including wiring, assembly, etc), factory acceptance and test. The panel Relay specific pricing will be added to the base panel price below on a cost + markup basis. The prices below for the base panel price shall be fixed for first year and subject to price adjustment, thereafter in accordance with the contract terms. Any field services ad hoc support shall be at the rate on line 4. Shipping shall either be the fixed price per panel or on a prepay and add basis, as approved by JEA.	Dwg - Ref.	UOM	Unit Price	Five Year Forecast Quantity	Total Price
1A	Cabinet Structure: Transformer Panel	Relay Cabinet Structure	Each	$ 44,646.00	6	$ 267,876.00
1B	Cabinet Structure: Transformer Low Side Panel	Relay Cabinet Structure	Each	$ 46,146.00	6	$ 276,876.00
1C	Cabinet Structure: Feeder Panel	Relay Cabinet Structure	Each	$ 22,429.00	4	$ 89,716.00
1D	Cabinet Structure: Integration Panel	Relay Cabinet Structure	Each	$ 38,738.00	3	$ 116,214.00
1E	Cabinet Structure: Line Panel	Relay Cabinet Structure	Each	$ 40,138.00	26	$ 1,043,588.00
1F	Cabinet Structure: Bus Panel	Relay Cabinet Structure	Each	$ 32,549.00	5	$ 162,745.00
1H	Shipping cost on a per Cabinet Structure Basis	Relay Cabinet Structure	Each	$ 220.00	50	$ 11,000.00
2A	Open Rack Structure: High Voltage Bus Panel	Relay Open Rack Structure	Each	$ 17,478.00	29	$ 506,862.00
2B	Open Rack Structure: Low Voltage Bus Panel	Relay Open Rack Structure	Each	$ 11,040.00	4	$ 44,160.00
2C	Open Rack Structure: Transformer Panel	Relay Open Rack Structure	Each	$ 17,198.00	39	$ 670,722.00
2D	Open Rack Structure: Transformer Low Side Panel	Relay Open Rack Structure	Each	$ 36,644.00	31	$ 1,135,964.00
2E	Open Rack Structure: Line Panel	Relay Open Rack Structure	Each	$ 23,224.00	36	$ 836,064.00
2F	Open Rack Structure: Feeder Panel	Relay Open Rack Structure	Each	$ 14,555.00	8	$ 116,440.00
2G	Open Rack Structure: Capacitor Bank Panel	Relay Open Rack Structure	Each	$ 26,865.00	20	$ 537,300.00
2H	Open Rack Structure: High Voltage Breaker Panel	Relay Open Rack Structure	Each	$ 17,928.00	59	$ 1,057,752.00
2I	Open Rack Structure: Integration Panel	Relay Open Rack Structure	Each	$ 26,000.00	14	$ 364,000.00
2J	Shipping cost on a per Open Rack Structure Basis	Relay Open Rack Structure	Each	$ 220.00	**240**	$ 52,800.00
3	Materials Mark up - For Relays (Only Relays for control panels will be allowed to processed with a cost plus mark up approach	RelayS FOR PANELS	Percent Markup	10%	**$2,000,000**	$ 2,200,000.00
4	On Site - Electrian or Field Technician (Site visits, measurements, trouble shooting, testing, additional field wiring) The rates on this line will be utilized for any work above and beyon and the fixed scope lines above	Hourly Rate	Hour	$ 180.00	4160	$ 748,800.00
5 Year Total Bid Price (Transfer this total to the Response Form)						$ 10,238,879.00

Price Adjustment - For all unit price rates listed on this sheet the Bidder may request a CPI price adjustment Annually in accordance with price adjustment clause in the contract

General Material List for Reference. The cost of the Materials below, except the relays, shall be included in the Unit price of the Structure / Panel listed on the "Base Panel" tab

ITEM	PART NUMBER	MANUFACTURER	DESCRIPTION - Bidder shall provide unit price including installation into the project specific panel.
1	0487B1X4X52XC0XEH9EEEEX	SEL	RELAY, SEL-487, STANDARD FIRMWARE, 48/125 VDC OR 120 VAC POWER SUPPLY, TWO 10/100BASE-T CONNECTORS, 125 VDC MAINBOARD INPUT VOLTAGE, HORIZONTAL RACK MOUNT, 9RU, KEY CODE 9023
2	78PB07D	ELECTROSWITCH	LOCKOUT RELAY, SERIES 24, 125 VDC, 7 DECKS, WITH ONE RED AND ONE GREEN LED.
3	116B6708G7-C	G.E.	INDICATING LIGHT, TYPE ET-16, 70VAC, 750 OHM RESISTOR, WITH CLEAR LENS.
4	BSD-1118-026	LEDTRONICS	BULB, LED BASED, WHITE,
5	116B6708G3-C	G.E.	INDICATING LIGHT, TYPE ET-16, 125VDC, 2000 OHM RESISTOR, WITH CLEAR LENS
6	BSD-1118-026	LEDTRONICS	BULB, LED BASED, WHITE,
7	FRXG-014-014-014	ABB	TEST SWITCH, TYPE FT-19R, 3RU LO, 30 POLE, 12 POTENTIAL 18 CURRENT SHORTING ARRANGED (P P P C-C C-C C-C P) (P P P C-C C-C C-C P) (P P P C-C C-C C-C P)
8	FRXG-014-001-001	ABB	TEST SWITCH, TYPE FT-19R, 3RU LO, 30 POLE, 24 POTENTIAL 6 CURRENT SHORTING ARRANGED (P P P C-C C-C C-C P) (P P P P P P P P P) (P P P P P P P P P)
9	FRXG-001-001-001	ABB	TEST SWITCH, TYPE FT-19R, 3RU LO, 30 POLE, 30 POTENTIAL 6 CURRENT SHORTING ARRANGED (P P P P P P P P P) (P P P P P P P P P) (P P P P P P P P P)
10	C627-80	SEL	ETHERNET CABLE, RJ-45 CONNECTORS ON BOTH ENDS, 80 FEET.
11	EB27B04S	G.E.	TERMINAL BLOCK, EB-27, 4 CIRCUIT SHORTING TYPE, 600 VOLT, 30 AMP.
12	1512	MARATHON	TERMINAL BLOCK, 12 POLE, 600 VOLT, 30 AMP.
13	C953-25	SEL	CABLE, SELC953, COAX RG58, WITH BNC CONNECTORS ON BOTH ENDS, (25 FT)
14	C953-70	SEL	CABLE, SELC953, COAX RG58, WITH BNC CONNECTORS ON BOTH ENDS, (70 FT)
15	240-1801	SEL	CONNECTOR, BNC T, FEMALE, FEMALE, MALE.
16	F30A1S	MARATHON	FUSE BLOCK, 1-POLE, 30AMP, 250 VOLT, CLASS H.
17	NON6	BUSSMAN	FUSE, TYPE NON, ONE-TIME, CLASS H, 6A.
18	F30A1S	MARATHON	FUSE BLOCK, 1-POLE, 30AMP, 250 VOLT, CLASS H.
19	NON15	BUSSMAN	FUSE, TYPE NON, ONE TIME, 15A.
20	F30A2S	MARATHON	FUSE BLOCK, 2-POLE, 30 AMP, 250 VOLT, CLASS H.
21	NON10	BUSSMAN	FUSE, TYPE NON, ONE-TIME, CLASS H, 10A.
22	RL8512	MFR.	LAMP HOLDER, PLASTIC KEYLESS TO FIT ON 4 X 4 HANDY BOX. FOR USE WITH LIGHT GUARD.
23	1465Y-SP	COOPER	GUARD, PLASTIC FOR LIGHT SOCKET.
24	FLE15HT3/2/827	G.E.	BULB, COMPACT FLUORESCENT,60 WATT, 120 VOLT.
25	QB0002	MFR.	HANDY BOX, GALVANIZED, 4 X 4, WITH 1/2" KNOCKOUTS, 1 1/2" DEEP. DRAWN

General Material List for Reference. The cost of the Materials below, except the relays, shall be included in the Unit price of the Structure / Panel listed on the "Base Panel" tab

ITEM	PART NUMBER	MANUFACTURER	DESCRIPTION - Bidder shall provide unit price including installation into the project specific panel.
26	BZ-2RN702	HONEYWELL	DOOR SWITCH, PLUNGER TYPE, 15A @ 600 V.
27	CR15I	HUBBELL	DUPLEX RECEPTACLE, 3-WIRE GROUNDING, 15A, 120 VAC, IVORY.
28	58361 1/2	T&B	HANDY BOX, DRAWN, GALVANIZED, 2 X 4, 1-7/8 DEPTH, WITH 1/2" KNOCKOUTS.
29	0619	T&B	COVER PLATE, GALVANIZED FOR A SINGLE DUPLEX RECEPTACLE, TO FIT ON A 2 X 4 UTILITY BOX.
30	OS1208-150B	VULCAN	STRIP HEATER, 150 WATTS, 8" LENGTH, 5/16" STEEL SHEATH, 240 VAC, 12.2 WATTS PER SQUARE INCH, GRAINGER STOCK NUMBER 4E259.
31	4CZ52	HONEYWELL	THERMOSTAT, HEATING ONLY, SPST, CLOSES ON TEMPERATURE DROP, RANGE 50-80 DEGREES F, DUAL-DIAPHRAM TYPE, LINE VOLTAGE.
32	T305 CW	MFR.	HANDLE, "T" TYPE, LOCKING, SATIN CHROME
33	04515615XC0X4H78484XX	SEL	RELAY, SEL-451, STANDARD FIRMWARE, 125/250 VDC OR 120/240 VAC POWER SUPPLY, TWO 10/100BASE-T CONNECTORS, 125 VDC MAINBOARD INPUT VOLTAGE, HORIZONTAL RACK MOUNT, 5RU, KEY CODE 4802.
33a	0451561EXC0X4H374XXXX	SEL	Overcurrent/Reclosing Relay-SEL Type 451, 125 VDC, Horizontal Rackmounted Style SEL-0451561EXC0X4H374XXXX
34	0411L1X6X5C6CCXH624E4E4	SEL	RELAY, SEL-411, STANDARD PLUS SUB-CYCLE DISTANCE ELEMENTS, SERIES COMPENSATION LOGIC AND TRAVELING WAVE FAULT LOCATION FIRMWARE, 125/250 VDC OR 120/240 VAC POWER SUPPLY, FOUR 10/100BASE-T CONNECTORS, 125 VDC INPUT VOLTAGE, HORIZONTAL RACK MOUNT, 6RU, KEY CODE 7194
35	04214615XC0X4H75X5XXX	SEL	RELAY, SEL-421, STANDARD FIRMWARE, 125/250 VDC OR 120/240 VAC POWER SUPPLY, TWO 10/100BASE-T CONNECTORS, 125 VDC MAINBOARD INPUT VOLTAGE, HORIZONTAL RACK MOUNT, 5RU, KEY CODE 5982
36	116B6708G3-R	G.E.	INDICATING LAMP, TYPE ET-16, 125-VDC, 2000-OHM RESISTOR WITH RED LENS CAP.
37	BSD-1118-001	LEDTRONICS	BULB, LED BASED RED.
38	116B6708G3-G	G.E.	INDICATING LAMP, TYPE ET-16, 125-VDC, 2000-OHM RESISTOR WITH GREEN LENS CAP.
39	BSD-1118-006	LEDTRONICS	BULB, LED BASED GREEN.
40	APP-601-D-09A-24E-4	APP ENGINEERING	DFR, TYPE APP-601 DAU CHASSIS, INCLUDES: SLOT 1,2,3,-ANALOG 1/P CARD SLOT 7 - DSP INPUT CARD SLOT 8,9 - DI CARD WITH IV SLOT 10 - DI CARD WITH EV SLOT 12- ALARM OUTPUT CARD APP-00037 - 6 AWG GROUND ASSEMBLY, 10 FOOT.

General Material List for Reference. The cost of the Materials below, except the relays, shall be included in the Unit price of the Structure / Panel listed on the "Base Panel" tab

ITEM	PART NUMBER	MANUFACTURER	DESCRIPTION - Bidder shall provide unit price including installation into the project specific panel.
41	376A1127G1X2	G.E.	CONTROL SWITCH, CIRCUIT BREAKER, TYPE SB10, TWO STAGES ROTARY CONTACTS AND TWO STAGES OF LATERAL CONTACTS, SPRING RETURN TO NORMAL FROM TRIP AND CLOSE, PULL OUT POSITION MAINTAINED, NO ROTARY MOVEMENT IN THE PULL-OUT POSITION, WITH TARGET ESCUTCHEON, LARGE PISTOL GRIP HANDLE. ENGRAVING INFO: CK PLT: PULL OUT FOR SUPV POS 1: TRIP POS 2: (BLANK) POS 3: CLOSE
42	376A1127G1X2	ABB	TEST SWITCH, TYPE FT-19R, 30 POLE, 22 POTENTIAL, 8 CURRENT SHORTING, ARRANGED AS FOLLOWS: (C-C C-C C-C C-C P P) + (P P P P P P P P P P) + (P P P P P P P P P P).
43	FRXG-014-014-001	ABB	TEST SWITCH, TYPE FT-19R, 3RU LO, 30 POLE, 12 POTENTIAL 18 CURRENT SHORTING ARRANGED (P P P C-C C-C C-C P) (P P P C-C C-C C-C P) (P P P P P P P P P P).
44	C953-006	SEL	CABLE, SELC953, COAX RG58U, FOR CONNECTING SEL-2020 TO SYNC CLOCK.
45	F30A2S	MARATHON	FUSE BLOCK, 2-POLE, 30 AMP, 250 VOLT, CLASS H.
46	NON30	BUSSMAN	FUSE, TYPE NON, ONE TIME, 30 AMP.
47	F30A3S	MARATHON	FUSE BLOCK, 3-POLE, 30 AMP, 250 VOLT, CLASS H.
48	NON6	BUSSMAN	FUSE, TYPE NON, ONE-TIME, CLASS H, 6A.
49	129A514G01	ABB	TEST SWITCH, TYPE FT-1, 10-POLE, 4-POTENTIAL AND 6-CURRENT.
50	100-60-10-V3-D2-485P-X	ELECIND	METER, DIGITAL DISPLAY, SHARK 100. WITH COMMUNICATION.
51	M2001C-6SLAF	Beckwith	Voltage Regulating Relay-Panel mounted, 125 VDC, Beckwith Electric Type M2001C-6SLAF with MOD-467 firmware, fiber optic, RS485 and RS 232 communication ports & DNP3 protocol, with M-2025B current loop interface to be used with M2001C and M2067 panel adaptor.
52	0487E3X411XXC0X4H78484X	SEL	RELAY, SEL-487, STANDARD WITH VOLTAGE, FREQUENCY, DIRECTIONAL OVERCURRENT, AND VOLTS-PER-HERTZ ELEMENTS FIRMWARE, 48/125 VDC OR 120 VAC POWER SUPPLY, TWO 10/100BASE-T CONNECTORS, 125 VDC MAINBOARD INPUT VOLTAGE, HORIZONTAL RACK MOUNT, 7RU, KEY CODE 7535
53	252301H13A0A0XX	SEL	SEL-2523 ANNUNCIATOR PANEL WITH COMMUNICATIONS; STANDARD FIRMWARE; 125/250 VDC OR VAC POWER SUPPLY; HORIZONTAL RACK MOUNT, 5U; 2 EIA-232 REAR PORTS, 1 EIA-232 FRONT PORT, COMMUNICATIONS OPTIONS; STANDARD PLUS DNP 3.00 LEVEL 2 SLAVE, SERIAL COMMUNICATIONS PROTOCOLS; EIA-232 OR EIA-485 SERIAL COMMUNICATION AUXILIARY CARD; 125 VDC OR VAC CONTROL INPUT VOLTAGE; NONE CONFORMAL COATED CIRCUIT BOARDS;

General Material List for Reference. The cost of the Materials below, except the relays, shall be included in the Unit price of the Structure / Panel listed on the "Base Panel" tab

ITEM	PART NUMBER	MANUFACTURER	DESCRIPTION - Bidder shall provide unit price including installation into the project specific panel.
54	2730M0ARAA1111AAAAX0	SEL	ETHERNET SWITCH, MANAGED, RACK MOUNT, 125/250 VDC POWER SUPPLY A, 125/250 VDC POWER SUPPLY B, 16 10/100BASE-T PORTS 9-24, NO CONFORMAL COAT.
~~55~~	~~SEL 24070001B~~	~~SEL~~	~~CLOCK, SATELLITE SYNCHRONIZED, GPS ANTENNA (235-0113), 19" HORIZONTAL RACK MOUNT WITH BRACKET, TYPE SEL-2407~~
55	24880RAA1181BX23X	SEL	SEL-2488 Satellite-Synchronized Network Clock - SEL Type 2488, Horizontal Rackmounted, GPS/GLONASS Antenna (SEL-9524B), 50ft LMR-400 cable (SEL-C961-050), Gas Tube Coaxial Surge Protector and Mounting Kit (915900139), 25ft LMR-400 cable (SEL-C961-025), Antenna Pipe- Mounting Kit (915900043) Style 24880RAA1181BX23X
~~56~~	~~3555=H7H4~~	~~SEL~~	~~RELAY, SEL-3555, INTEL I7-3612QE QUAD CORE 2.1GHZ PROCESSOR, 125/250 VDC OR 120/240 VAC POWER SUPPLY, TWO RJ-45 10/100/1000, TWO SFP FIBER PORTS, HORIZONTAL RACK MOUNT, 3RU~~
56	3555=JHF6		Communication Processor, SEL Type 3555 (RTAC), 125 Vdc, Horizontal rackmounted
57	91610028	SEL	MONITOR, TOUCHSCREEN, 19", WITH A 19" RACK MOUNT BRACKET.
58	91610050	SEL	KEYBOARD/DRAWER, USB, 19" RACK MOUNTED SLIDE OUT, WITH MOUSE.
59	APP-501-00A-00E-0	APP ENGINEERING	COMPUTER, APP-501 DAU CHASSIS, INCLUDES: COMPUTER POWER CABLE CAT5E ETHERNET CABLE APP00037 6 AWG GROUND ASSEMBLY, 10 FOOT SPARE HARD DRIVE (3) SYSTEM INSTURCTION MANUALS & DRAWINGS.
60	C627-10	SEL	CABLE, RJ-45.
61	C627-70	SEL	ETHERNET CABLE, RJ-45 CONNECTORS ON BOTH ENDS, 70 FEET.
62	APP00610	APP ENGINEERING	ETHERNET SWITCH, 16 COPPER PORTS, ALARM OUTPUT TERMINAL BLOCK AND DUAL 125 VDC POWER SUPPLY. LED'S ON FRONT AND PORTS ARE REAR FACING, 19" RACK MOUNT.
63	C627-6	SEL	CAT5E 6FT CABLE, FOR USE WITH SEL-3351. CAT5E 6FT CABLE, FOR USE WITH SEL-2890
64	C605A-006	SEL	CABLE, SERIEAL CABLE, RJ-45 - DB9, 6' LONG, KEY CODE 2332
64a	C605A-050	SEL	Serial Cable, RJ45 to RS232, 50 feet in length
65	3610XHA0XXX0	SEL	RELAY, SEL-3610 PORT SERVER WITH COMMUNICATIONS; 2 10/100 BASE-T ETHERNET PORTS; 125/250VDC OR 120/240VAC POWER SUPPLY, NONE CONFORMAL COATED CIRCUIT BOARDS, 1RU
66	116B6708G5-C	G.E.	Indicating Light-GE Type ET-16, 120 VAC, with clear lens, 1900 ohm resistor
67	BSD-1118-026	LEDTRONICS	Bulb, LED based White

General Material List for Reference. The cost of the Materials below, except the relays, shall be included in the Unit price of the Structure / Panel listed on the "Base Panel" tab

ITEM	PART NUMBER	MANUFACTURER	DESCRIPTION - Bidder shall provide unit price including installation into the project specific panel.
68	0487V0X6151XC0X4H58484X	SEL	Capacitor Bank Protection Relay-SEL Type 487V, 125 VDC, Horizontal Rackmounted
69	APP-601-D-09A-24E-2-4	APP ENGINEERING	DFR Acquisition Unit, 125 Vdc, Horizontal rackmounted, Slot 1,2,3 with analog card, Slot 7 with DSP card, Slot 8,9 DI card with IV, Slot 10 DI card with EW and APP-00037 ground assembly, 10 foot
70	APP-601-D-18A-24E-0-4	APP ENGINEERING	DFR Acquisition Unit, 125 Vdc, Horizontal rackmounted, Slot 1,2,3,4,5,6 with analog card, Slot 7 with DSP card, Slot 8,9 DI card with IV, Slot 10, 11 DI card with EW, Slot 12 alarm card and APP-00037 ground assembly, 10 foot
71	APP-601-C501-00A-00E-W7	APP ENGINEERING	DFR Computer, 125 Vdc, Horizontal rackmounted, with Computer, Power Cable, Cat5E Ethernet Cable, Spare Hard Drive, APP00088 Programming Cable and APP-00037 ground assembly, 10 foot
72		G.E.	27kV Breaker Control Switch, GE Type SB1, Style Number 16SB1 AB300SSS16L
73		G.E.	Transformer Raise/Lower Switch, GE Type SB10, Style Number 16SB10127A7118G1X16
74	FRXG-083-001-001	ABB	ABB Type FT-1 Test Switch, Rackmounted
75	FX3G-014-014-001	ABB	ABB Type FT-1 Test Switch, Rackmounted
76	2814M0	SEL	Transceivers
77	C808G020SS10020	SEL	Fiber Cable with ST connector on both ends, 20 meters
78	C478A-6	SEL	SEL Cable C478A-6, 10 Feet in length including 1 Spare
79	C808G020SS10050	SEL	Heavy Duty MM Fiber Cable with ST connector on both ends, 50 meters
80	C808G020SS10010	SEL	Heavy Duty MM Fiber Cable with ST connector on both ends, 10 meters
81	CA605	SEL	Ethernet Cable, 10 feet in length
82	CA605	SEL	Ethernet Cable, 50 feet in length
83	C605A	SEL	Serial Cable, RJ45 to RS232, 10 feet in length
84	S7650U1C0B6F1A0A	SCHNEIDER	Power Measurements ION 7650 Transducer Meter without display
85	1250B-1-S-120	SCHNEIDER	Tap Position Indicator, INCON type 1250B with +/- 1 mA analog outputs, 120 VAC line voltage, RS232 port with DB-25 connector & cable, with 1280 surge protector module
86	CS115I	HUBBELL	Switch, Single Pole, 15a, 120/277 Volts, Handy Box, 2" X 4", 1-7/8" Depth, 1/2" Knockouts, Cover Plate, for single toggle switch, fits on 2" X 4" Handy Box
87	78PB12D	ELECTROSWITCH	LOCKOUT RELAY, SERIES 24, 125 VDC, 12 DECKS, WITH ONE RED AND ONE GREEN LED.

Subtotal Component Pricing

Award #7 07/20/23 Supporting Documentation

Protection and Control Cabinet Manufacturing for JEA
Appendix B - Bid Forms
Submit the Response an electronic pdf in accordance with the procedures in the solicitation.

Company Name: KEMCO Industries, LLC

Company's Address: 70 Keyes Court, Sanford, FL 32773

License Number:

Phone Number: 407-322-1230 FAX No: 407-322-1230 Email Address: agriffin@kemco.com

BID SECURITY REQUIREMENTS
☒ None required
☐ Certified Check or Bond Five Percent (5%)

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

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

SECTION 255.05, FLORIDA STATUTES CONTRACT BOND
☒ None required
☐ Bond required 100% of Bid Award

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

INSURANCE REQUIREMENTS
Insurance required

PAYMENT DISCOUNTS
☐ 1% 20, net 30
☐ 2% 10, net 30
☐ Other _____
☒ None Offered

Item No.	ENTER YOUR BID FOR THE FOLLOWING DESCRIBED ARTICLES OR SERVICES:	TOTAL BID PRICE
1	Total Bid Price from the Total in the Bid Workbook	$10,238,879.00

☒ **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 _4_

Handwritten Signature of Authorized Officer of Company or Agent — Date: 5/23/23

Anthony Griffin – Director of Projects
Printed Name and Title

Award #7 07/20/23 Supporting Documentation

Capital or O&M	Index / Project # / Cost Center	Expense Type	O&M Spreadsheet Line
Capital	788-158P		
Capital	788-107P		
Capital	788-151P		
Capital	788-138P		
Capital	788-118P		
Capital	Robinwood APSTF		
Capital	Firestone APSTF		
Capital	Deep Creek Substation		
Capital	788-171P		
Capital	788-172P		
Capital	788-173P		
Capital	788-169P		
Capital	788-170P		
Capital	788-104P		
Capital	788-183		
Capital	788-167P		
Capital	788-168P		
Capital	788-141P		
Capital	788-148P		
O&M	Miscellaneous		N/A
O&M	On Site - Electrian or Field Technician		N/A
O&M	Materials Mark up - For Relays Only		N/A
	Award Totals		

Award #7 07/20/23 Supporting Documentation

FY23	FY24	FY25	FY26	FY27	FY28
	$53,544.00				
		$98,465.00			
		$152,839.00			
		$124,685.00			
	$306,686.00				
			$835,092.00		
			$907,522.00		
			$398,112.00		
		$361,248.00			
		$361,248.00			
				$361,248.00	
		$361,248.00			
		$361,248.00			
			$478,444.00		
				$313,274.00	
					$367,676.00
				$435,623.00	
			$73,127.00		
			$85,224.00		
	$170,705.00	$170,705.00	$170,705.00	$170,705.00	$170,706.00
	$149,760.00	$149,760.00	$149,760.00	$149,760.00	$149,760.00
	$194,067.00	$584,202.00	$846,288.00	$389,437.00	$186,006.00
$0.00	$874,762.00	$2,725,648.00	$3,944,274.00	$1,820,047.00	$874,148.00

Award #7 07/20/23 Supporting Documentation

$53,544.00
$98,465.00
$152,839.00
$124,685.00
$306,686.00
$835,092.00
$907,522.00
$398,112.00
$361,248.00
$361,248.00
$361,248.00
$361,248.00
$361,248.00
$478,444.00
$313,274.00
$367,676.00
$435,623.00
$73,127.00
$85,224.00
$853,526.00
$748,800.00
$2,200,000.00
$0.00
$0.00
$0.00
$0.00
$10,238,879.00

Date	Event
7/20/2023	Original Award
	10% increase
	New NTE
	This Increase
	New NTE

Award #7 07/20/23 Supporting Documentation

Tracking Amount	
$	10,238,879.00
$	-
$	10,238,879.00
$	-
$	10,238,879.00

Award #8 07/20/23 Supporting Documentation

Project: NGS No.6 Fuel Tank Heat Trace
Solicitation No.: 1411221846
PM/Evaluator: Tim Meyers
PM/Subject Matter Expert: Frank Thomas / Blake Bobitt

Bid Item#	Item Description	Bidder	Base Scope - Bid Price (LS)
1	Base Scope - Heat Trace	BrandSafway Solutions, LLC.	$ 1,297,706.00
1	Base Scope - Heat Trace	MJ Wood	$ 1,258,000.00
1	Base Scope - Heat Trace	Thermco Plant Services	$ 1,800,000.00

Item	**Multiple Suppliers/Low Bidder**	**Evaluation Criteria**			
		Proposal Price - Max 40 pts	**Past Performance / Company Experience - Max 30 pts**	**Design Approach and Work Plan - Max 30 pts**	**Total Evaluated Score**
1	**BrandSafway Solutions, LLC.**	**38.7**	**30**	**25**	**93.74**
2	**MJ Wood**	**40.0**	**10**	**20**	**70.00**
3	**Thermco Plant Services**	**22.8**	**25**	**20**	**67.77**

Award #8 07/20/23 Supporting Documentation

Capital or O&M	Index / Project # / Cost Center	Expense Type	O&M Spreadsheet Line	FY23	FY24	
Capital	8008358	2006	N/A	$851,323.34	$582,952.66	$ 1,434,276.00
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
						$ -
	Award Totals			$ 851,323.34	$ 582,952.66	**$ 1,434,276.00**

Award #8 07/20/23 Supporting Documentation

Date	Event	Tracking Amount
7/20/2023	Original Award	$ 1,434,276.00
	10% increase	$ -
	New NTE	$ 1,434,276.00
	This Increase	$ -
	New NTE	$ 1,434,276.00

Emtec
Business & Technology Empowered

ADDENDUM # 1
BETWEEN
JEA
AND
EMTEC, INC.
JEA CONTRACT # JEA11303

THIS ADDENDUM is made and entered into as of the ___ day of June 2023 (the "**Effective Date**") by and between **JEA**, a body politic and corporate in the City of Jacksonville, Florida ("**JEA**") and **EMTEC, INC.**, a New Jersey corporation authorized to conduct business in the state of Florida with its principal address at 9454 Philips Highway, Suite 8, Jacksonville, FL 32256 ("**Company**").

WHEREAS JEA and Company have entered into JEA Contract #JEA11303 ("**Contract**") with an effective date of January 1, 2023.

NOW THEREFORE, in consideration of the mutual covenants contained below, JEA and Company agree to supplement the Contact as follows:

1. This Addendum is to serve as a pricing model for one-time, short-term, or special projects that will require additional Company resources outside of the current Contract requirements.

2. JEA and Company shall enter into subsequent Statements of Work ("SOWs") as the projects arise.

3. The following rates shall apply for the duration of the Emtec, Inc. and State of Florida, Department of Management Services State Term Contract No. 80101507-22-STC-ITSA for Information Technology Staff Augmentation:

Job Family	Job No.	Job Title	Scope Variant	Pricing
Client Technologies	2010	Client Technologies Analyst	A. Entry B. Intermediate C. Advanced	$40 $52 $65
Client Technologies	2020	Client Technologies Technician	A. Entry B. Intermediate C. Advanced	$40 $52 $65

Emtec
Business & Technology Empowered

Job Family	Job No.	Job Title	Scope Variant	Pricing
Customer Support	2200	Mgmt. Customer Support	1. Team Leader 2. Manager 3. Sr. Manager	$58 $74 $101
Customer Support	2210	Customer Support Analyst	A. Entry B. Intermediate C. Advanced	$34 $40 $65
Customer Support	2220	Client Support Technician	A. Entry B. Intermediate C. Advanced	$39 $44 $60
Network Management	2460	Network Technician	A. Entry B. Intermediate C. Advanced	$40 $48 $49
Operations	2820	Supervisor, Computer Operations	1. Team Leaders 2. Manager	$51 $67
Operations	2830	Computer Operator	A. Entry B. Intermediate C. Advanced	$35 $40 $45
Release Management	8000	Configuration Management Analyst	A. Entry B. Intermediate C. Advanced	$42 $65 $66
Release Management	8010	Release/ Build Engineer	No Variance	$72
Program Management	8220	Project Manager	1. Team Leader 2. Manager 3. Sr. Manager	$66 $86 $100
Program Management	8230	Project Leader	A. Entry B. Intermediate C. Advanced	$42 $80 $95

Job Family	Job No.	Job Title	Scope Variant	Pricing
Program Management	8235	Project Management Specialist	No Variance	$62

4. All terms and conditions of the Contract still apply.

IN WITNESS WHEREOF, JEA and Company have duly executed this Addendum as of the Effective Date.

Emtec, Inc.

By _____
Authorized Signatory

Name _____

Date _____

JEA

By _____
Authorized Signatory

Name _____

Date _____

Award #9 07/20/23 Supporting Documentation

Emtec Contact JEA1130 Contract Amendment for scope related Professional Services 7/13/2023

- Number of years
  - To match the Emtec MSP contract dates
- Not to exceed
  - This is a hard calculation with many variables
    - $389,760 a year X 3 years = $1,169,280
- Details of the calculation.
-

Resource List from Emtec			**Size of Projects**	**# of Projects**
Client Support Technician	A. Entry	$39	Small	6
	B. Intermediate	$44	Med	4
	C. Advanced	$60	Large	2
Customer Support Analyst	A. Entry	$34		
	B. Intermediate	$40		
	C. Advanced	$65		
Project Leader	A. Entry	$42		
	B. Intermediate	$80		
	C. Advanced	$95		
Project Manager	1. Team Leader	$66		
	2. Manager	$86		
	3. Sr. Manager	$100		

Project Size	**Project Resources**	
Small = 40 hours max	Client Support Technician	$44
	Client Support Technician	$44
	Project Leader	$80
		$168
		X 40 Hours
		$6,720
		X 6 Sm projects a year
		$40,320

Award #9 07/20/23 Supporting Documentation

Project Size	Project Resources	
Med = 80 hours max	Customer Support Analyst	$40
	Customer Support Analyst	$40
	Client Support Technician	$44
	Client Support Technician	$44
	Project Leader	$80
		$248
		X 80 Hours
		$19,840
		X 4 Med projects a year
		$79,360

Project Size	Project Resources	
Large = 320 hours max	Customer Support Analyst	$40
	Customer Support Analyst	$40
	Client Support Technician	$44
	Client Support Technician	$44
	Client Support Technician	$44
	Client Support Technician	$44
	Project Leader	$80
	Project Manager	$86
		$422
		X 320 Hours
		$135,040
		X 2 Large projects a year
		$270,080
	12 Projects a year	
	Grand Total 1 year	**$389,760**
	Grand Total 3 years	**$1,169,280**

Award #9 07/20/23 Supporting Documentation

Approved by the JEA Awards Committee

Date: 12/15/2022 Item# 9

Formal Bid and Award System

Award #9 December 15, 2022

Type of Award Request:	INVITATION TO NEGOTIATE (ITN)
Request #:	554
Requestor Name:	Jason Peacock - Mgr Service Desk Operations
Requestor Phone:	(904) 665-8804
Project Title:	Provision of Managed Services for Service Desk, Help Desk, Desktop Support, and Network Operations Center
Project Number:	HE30902 003.1
Project Location:	JEA
Funds:	O&M
Business Unit Estimate:	$2,500,000.00

Scope of Work:

JEA seeks to evaluate and select a vendor that can provide JEA's Service Desk (Help Desk, Desktop Support including hardware refresh, and Network Operations Center Services). The services requested are intended to augment our existing Information Technology Services staff. The Tier 1 support team, Help Desk will operate 24x7 completing remote incident and request resolution. Tier 2 support team, Desktop Support Technicians will be required to respond to various locations throughout Jacksonville, Fl. A work location will be provided for the desktop technicians inside JEA's major facilities.

JEA IFB/RFP/State/City/GSA#:	1410844646
Purchasing Agent:	Dambrose, Nickolas C.
Is this a Ratification?:	NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
EMTEC, INC.	Chris Brown	Chris.Brown@emtecinc.com	9454 Phillips Hwy, Suite #8 Jacksonville, FL 32256	(904)672-4268	$5,539,000.00

Amount for entire term of Contract/PO:	$5,539,000.00
Award Amount for remainder of this FY:	$872,500.00
Length of Contract/PO Term:	Five (5) Years with One (1) - 1 Yr. Renewal
Begin Date (mm/dd/yyyy):	01/01/2023
End Date (mm/dd/yyyy):	12/31/2027
Renewal Options:	One (1) -1 Yr. Renewal
JSEB Requirement:	N/A – No JSEBs identified

Award #9 07/20/23 Supporting Documentation

Respondents:

Name	Round 1 Rank	Round 1 Bid Amount	Round 1 Score	BAFO Rank	BAFO Bid Amount	BAFO Score
EMTEC, INC.	1	$5,539,000.00	92.83	1	$5,539,000.00	92.83
TECH MAHINDRA, INC.	2	$17,861,688.00	54.11	2	$17,350,700.00	54.47

Background/Recommendations:

Advertised on 08/01/2022. Four (4) companies attended the optional pre-response meeting held on 08/19/2022. On 09/01/2022, JEA received two bids and decided to extend the Response Due Date with additional invitees to encourage more competition. At Response Due Date on 10/18/2022, JEA still only received two (2) Responses. As reason for low participation, JEA specified the use of its pre-existing hardware and software to deliver the Services. This limited bidder expertise and interest. The Responses were evaluated on price, company experience, staff experience, and design approach and work plan. JEA shortlisted both Emtec and Tech Mahindra and then solicited Best and Final Offers (BAFO). There was no change in price for the leading bidder Emtec. Tech Mahindra's price reduced slightly but was determined to be unreasonable because its solution was not customized to JEA's specifications. A copy of the ITN evaluation matrix summary, and pricing response workbook is attached as back-up.

This award requests maintains the provision of JEA's Service Desk (Help Desk, Desktop Support including hardware refresh, and Network Operations Center Services). These services shall augment our existing Information Technology Services staff and shall cover Jacksonville, Nassau County, and St.John's County. Note the existing contract was supplemental workforce managed by JEA. This request is moving to contract management by JEA while EMTEC is managing their employees to complete the services required. Setup fees are also included in the requested award amount and are required due to doing business with them now requires the onboarding of employees. Additionally, this requires set up, training, and new support areas not currently under EMTEC's responsibilities.

This request is for five (5) years from 01/01/2023 to 12/31/2027 in the amount of $5,539,000.00. In addition to pricing, Emtec, Inc. received high rankings for its Design Approach and Workplan. References for EMTEC matched the requirements in the bid while Tech Mahindra's reference had explicit statements referencing the services provided by Tech Mahindra were not fully managed services. Tech Mahindra's proposal required they use of software tools that JEA does not own. It explained in the bid that only JEA tools were to be used in their solution. Additionally, the software tools proposed in their solution were not included in their pricing. Again, Tech Mahindra proposed solution required JEA to take on new process for operations and maintenance support. Lastly, Tech Mahindra based their pricing on volume and noted that pricing could increase based on due diligence during the onboarding process. Their approach did not meet the needs of JEA outlined in the documentation.

The award amount is approximately $3,039,000.00 more than the budget estimate. The budget estimate was lower than the award request because of the services of Help Desk, PC Support, PC Refresh, and Network Operations Center were all combined. There was an unknown factor in the estimated budget amount due to all of these services being bundled together. The cost of bundling these services was uncharted. JEA has completed a budget transfer to cover the additional funds needed for this project.

1410844646– Request approval to award a contract to Emtec, Inc. for Provision of Managed Services for Service Desk, Help Desk, Desktop Support, and Network Operations Center in the amount of $5,539,000.00, subject to the availability of lawfully appropriated funds.

Manager:	
Director:	Jason Peacock - Mgr Service Desk Operations Kim Traylor - Dir Network & Telecommunication Services
VP:	Datz, Stephen H. – VP IT Infrastructure and Operations
Chief:	Krol, Bradley D. – Chief Information Officer

APPROVALS:

Stephen Datz 12/15/2022

Chairman, Awards Committee **Date**

Stephanie M Healy 12/15/2022

Budget Representative **Date**

S.No	Question	Weightage	Scorer	Scores	
				TECH MAHINDRA (amit.waghmare@techmahindra.com)	EMTEC INC (Chris.Brown@emtecinc.com)
				Weighted Scores	Weighted Scores
Grand Total of Scores				**54.47**	**92.83**
Supplier Rank				**2**	**1**
1	**(40) Quotation of Rates**	**40**		~~12.4~~ 12.76 ($17,350,700)	40 (5,539,000.00)
1.1	Quotation of Rates	100		12.4	40
			Nick Dambrose	12.4	40
2	**(10) Minimum Qualifications - Past Performance/**	**10**		**8**	**9.67**
2.3	Reference 1	50		4	4.67
			Sharon Van Den Heuvel	5	5
			Kim Traylor	3	4
			J Peacock	4	5
2.5	Reference 2	50		4	5
			Sharon Van Den Heuvel	4	5
			Kim Traylor	5	5
			J Peacock	3	5
3	**(10) Professional Staff Experience**	**10**		**7.67**	**8.5**
3.1	Maximum points: 10 pointsThe Company will submit a written response that details the following areas of expertise.Asset management refresh project	100		7.67	8.5
			Sharon Van Den Heuvel	8.5	7.5
			Kim Traylor	8	9
			J Peacock	6.5	9
4	**(40) Ability to Design an Approach and Workplan**	**40**		**26.4**	**34.67**
4.1	Maximum score: 40 PointsRespondent shall include an assessment of the Respondent's ability to realize project goals, timetables, and quality control objectives; and the demonstrated general ability to bring about a	100		26.4	34.67
			Sharon Van Den Heuvel	35.2	40
			Kim Traylor	24	34
			J Peacock	20	30

Award #9 07/20/23 Supporting Documentation

Award #9 07/20/23 Supporting Documentation

#1410844646 ITN – Provision of Managed Services for Service Desk, Help Desk, Desktop Support, and Network Operations Center
Appendix B - Response Workbook (BAFO)

Lot Name : Quotation of Rates				Emtec Inc.
Item Information		ITEM NO	1	
		ITEM NAME	Setup Fees	
		ITEM DESCRIPTION	Setup Fees Setup Fees shall include any engagement if any with JEA's current Managed Services vendor to ensure a seamless transition within 60 days of contract approval. In addition, Setup Fees shall include • Installation of any required severs or virtual environments. • Implementation of monitoring configurations and definitions • Modification of IVR scripting required for application monitoring		
		Estimated Quantity	1	
		UOM	One Time Flat Fee	
Pricing Information	Unit Costs in USD	Unit Price		$49,000.00
Total Cost		USD: (({Unit Price}))*({Qty})		$ 49,000.00
Item Information		ITEM NO	2	
		ITEM NAME	Support Services	
		ITEM DESCRIPTION	Support Services shall include all Services under Solicitation	
		Estimated Quantity	60	
		UOM	Flat Fee Per Month	
Pricing Information	Unit Costs in USD	Unit Price		$91,500.00
Total Cost		USD: (({Unit Price}))*({Qty})		$ 5,490,000.00
Lot Total		in USD		5,539,000.00 $

Award #10 07/20/23 Supporting Documentation

Thank you for choosing CDW. We have received your quote.

Hardware Software Services IT Solutions Brands Research Hub

QUOTE CONFIRMATION

CLINT WILLIAMS,

Thank you for considering CDW•G for your technology needs. The details of your quote are below. **If you are an eProcurement or single sign on customer, please log into your system to access the CDW site.** You can search for your quote to retrieve and transfer back into your system for processing.

For all other customers, click below to convert your quote to an order.

Convert Quote to Order

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
NLRX014	7/14/2023	COHESITY 3YR	7219250	$3,599,225.00

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
Cohesity DataProtect - Software Subscription and Support (3 years) - 1 TB c Mfg. Part#: R8F43AAE Electronic distribution - NO MEDIA Contract: OMNIA ESCR4 R210401 Tech Sol. Products/Services (R210401)	3500	6592579	$741.33	$2,594,655.00
Cohesity DataProtect Replication Service - Software Subscription and Suppor Mfg. Part#: R8F52AAE Electronic distribution - NO MEDIA Contract: OMNIA ESCR4 R210401 Tech Sol. Products/Services (R210401)	3500	6592586	$287.02	$1,004,570.00

SUBTOTAL	$3,599,225.00
SHIPPING	$0.00
SALES TAX	$0.00
GRAND TOTAL	**$3,599,225.00**

PURCHASER BILLING INFO	DELIVER TO
Billing Address: JEA ACCOUNTS PAYABL PO BOX 4910 JACKSONVILLE, FL 32201-4910 **Phone:** (904) 665-8402 **Payment Terms:** VISA	**Shipping Address:** COLOGIX INC 4800 SPRING PARK RD JACKSONVILLE, FL 32207-7406 **Phone:** (904) 665-7046 **Shipping Method:** ELECTRONIC DISTRIBUTION
	Please remit payments to:
	CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515

Sales Contact Info

John Vrablik | (877) 466-6333 | johnvra@cdwg.com

LEASE OPTIONS			
FMV TOTAL	**FMV LEASE OPTION**	**BO TOTAL**	**BO LEASE OPTION**
$3,599,225.00	**$95,523.43/Month**	**$3,599,225.00**	**$110,604.18/Month**

Monthly payment based on 36 month lease. Other terms and options are available. Contact your Account Manager for details. Payment quoted is subject to change.

Why finance?

• Lower Upfront Costs. Get the products you need without impacting cash flow. Preserve your working capital and existing credit line.

• Flexible Payment Terms. 100% financing with no money down, payment deferrals and payment schedules that match your company's business cycles.

• Predictable, Low Monthly Payments. Pay over time. Lease payments are fixed and can be tailored to your budget levels or revenue streams.

• Technology Refresh. Keep current technology with minimal financial impact or risk. Add-on or upgrade during the lease term and choose to return or purchase the equipment at end of lease.

• Bundle Costs. You can combine hardware, software, and services into a single transaction and pay for your software licenses over time! We know your challenges and understand the need for flexibility.

General Terms and Conditions:

This quote is not legally binding and is for discussion purposes only. The rates are estimate only and are based on a collection of industry data from numerous sources. All rates and financial quotes are subject to final review, approval, and documentation by our leasing partners. Payments above exclude all applicable taxes. Financing is subject to credit approval and review of final equipment and services configuration. Fair Market Value leases are structured with the assumption that the equipment has a residual value at the end of the lease term.

Need Help?

 My Account

 Support

 Call 800.800.4239

Award #11 07/20/23 Supporting Documentation

JEA Small Diameter Pipe Replacement Program
Shovel Ready Projects

7/12/2023

	Project Name	Linear Feet	Zipcode	Area of Town	Neighborhoods	Council District	Project Budget Estimate ($500/LF)
1	Forbes Street Area Package B-C	6,127	32204	Urban Core	Mixon Town	7	$ 3,063,500.00
2	Forbes Street Area Package D-E-F	2,100	32204	Urban Core	Murray Hill	7	$ 1,050,000.00
3	Forbes Street Area Package G-H-I	2,331	32204	Urban Core	Five Points	7	$ 1,165,500.00
4	Forbes Street Area Package M-N	555	32204	Urban Core	Riverside	7	$ 277,500.00
5	Forbes Street Area Package O	2,845	32204	Urban Core	Riverside	7	$ 1,422,500.00
6	Forbes Street Area Package P-R	1,216	32204	Urban Core	Five Points	7	$ 608,000.00
7	Group 1 - Antisdale @ Talbot	3,039	32205	Urban Core	Murray Hill	7	$ 1,519,500.00
8	Group 1 - Brasque/Breve/Belafonte	7,163	32209	Northwest	Magnolia Gardens	10	$ 3,581,500.00
9	Group 1 - Leonard Circle	5,720	32209	Northwest	Monrief Park	10	$ 2,860,000.00
10	Group 1 - McConihe Street	4,403	32209	Urban Core	Mid-Westside	7	$ 2,201,500.00
11	Group 1 - Columbus Avenue	1,725	32254	Northwest	Woodstock	9	$ 862,500.00
12	Group 1 - West Palm Avenue	1,892	32254	Northwest	West Jacksonville	9	$ 946,000.00
13	Group 1 - 19th Street W @ Detroit	1,872	32209	Northwest	Allendale	9	$ 936,000.00
14	Group 1 - 6th Street W	3,012	32254	Northwest	Allendale	9	$ 1,506,000.00
15	Group 1 - Ortega	9,095	32210	Urban Core	Ortega Forest	7	$ 4,547,500.00
16	Group 1 - Verona	6,738	32210	Urban Core	Ortega Forest	7	$ 3,369,000.00
17	Group 1 - Canal St @ Yulee	269	32209	Northwest	Robinson's Addition	9	$ 134,500.00
18	Group 2 - Simms Drive	534	32209	Northwest	Carver Manor	10	$ 267,000.00
19	Group 2 - Tennessee Street	1,545	32209	Northwest	Carver Manor	10	$ 772,500.00
Total Shovel Ready - 19 Projects		**Total Length - 62,181 LF (11.8 miles)**			**Budget Estimate Total:**		**$ 31,090,500.00**

JEA COST PARTICIPATION AGREEMENT FOR EXTENSION OF UTILITY SYSTEM

THIS AGREEMENT, made and entered into this 1st day of December, 2022 by and between **LENNAR HOMES, LLC** whose address is **9440 Phillips Highway, Suite 7, Jacksonville FL 32256** (hereinafter called "Developer"), and JEA, whose address is 21 W. Church St., Jacksonville, FL 32202 (hereinafter called "JEA").

RECITALS:

WHEREAS, Developer owns certain real property in Duval County, Florida, which is more particularly described on Exhibit "A" attached hereto and, by reference made a part hereof (hereinafter referred to as the "Developer Property"); and

WHEREAS, Developer has plans to develop immediately the Developer's Property by platting and/or other improvements thereon **consisting of a subdivision containing approximately eight hundred (800) single family lots known as Seaton Creek Reserve under JEA Availability number 2020-3267** (hereinafter referred to as the "Development"); and

WHEREAS, Developer desires to extend existing and proposed improvements to JEA's water, wastewater and/or reclaimed water system (hereinafter called "JEA's Utility System") to serve the Development by **constructing a lift station and associated facilities with design capacity of 1,600 gallons per minute, as described on Exhibit "B" attached hereto and installing approx. 2,760 feet of 16" water transmission main (with JEA participation of 44%)** (hereinafter referred to as "Developer's Extension" or "the Project" and the capacity created by Developer's Extension is hereinafter referred to as the "Created Capacity"); and

WHEREAS, in addition to the Development, the Developer desires to develop on certain additional property located to the east of the Developer Property, which is more particularly described on Exhibit "C" attached hereto and by reference made a part hereof (the "Additional Property"), by platting and/or other improvements thereon consisting of a subdivision containing up to approximately six hundred (600) single family lots and townhomes (hereinafter referred to as the "Additional Development"); and

WHEREAS, JEA is willing to expand JEA's Utility System to provide such service, so that the Development and Additional Development may have furnished to it and to its occupants an adequate water supply and wastewater disposal system, subject to all the terms and conditions of this Agreement; and

WHEREAS, JEA and the Developer recognize that water is a natural resource of limited supply and wastewater treatment and disposal is a necessity for public health and thus, the water supply and disposal of wastewater must be regulated and controlled and the subject only of a reasonable and beneficial use to assure an adequate supply of water and adequate wastewater treatment capacity for all members of the public served by JEA; and

WHEREAS, the Developer and JEA further recognize that the supply of water and wastewater disposal service by JEA to the Development and the Additional Development is subject to regulation, prohibition, limitation and restriction by local, state and federal governmental agencies, as well as JEA; and

WHEREAS, in order to facilitate the timely completion of the expansion of JEA's Utility System, the Developer and JEA wish to set forth the terms and conditions for sharing the cost of the construction and installation of the Developer's Extension.

NOW, THEREFORE, in consideration of the mutual undertakings and agreements herein contained and assumed, and other good and valuable consideration, receipt of which is hereby acknowledged, Developer and JEA hereby covenant and agree as follows:

1. Effect of Recitals. The above recitals are incorporated into the body of this Agreement and adopted as findings of fact.

2. Term. The term of this Agreement shall begin upon execution by both parties (the "Effective Date") and shall end upon acceptance by JEA of the Developer's Extension unless earlier terminated as provided herein, but in no event shall the term of this Agreement exceed 7 years from the Effective Date. Notwithstanding anything to the contrary herein, JEA may, in its sole discretion, extend the term of this Agreement for a period not to exceed one year if such extension is necessary to complete the Developer's Extension, so long as Developer is making progress toward completion.

3. Conveyance of Developer's Extension.

   a. Developer shall, in accordance with the terms of this Agreement, (i) complete the Developer's Extension and (ii) cause to be conveyed to JEA, free and clear of all encumbrances, the Developer's Extension in consideration for the payment by JEA to Developer of a lump sum price of **$ 2,340,810.76** (the "Contract Price"), which sum represents the difference between the value of the Project as constructed and the value of a project that would have been required to serve solely the Development and Additional Development .

   b. Subject to Developer's compliance with the terms and conditions of this Agreement, JEA will provide Water and Sewer Capacity necessary to serve the Development and the Additional Development as requested in writing by the Developer or the record owner of the Developer Property or the Additional Property to JEA, and in an amount not exceeding the annualized flow set forth in the Projected Development Schedule attached as Exhibit "F." Nothing in this Agreement, including the Projected Development Schedule, shall relieve any future JEA customers located within the Property from payment to JEA of applicable JEA installation and service charges which are consistent with the JEA Water and Sewer Rate Document, latest edition, as amended from time to time. Notwithstanding the above, JEA does not guarantee or warrant any special service, pressure, quality, or other special facility.

   c. Developer shall submit to JEA engineering plans and specifications for the Developer's Extension prepared by Developer's engineer and at Developer's cost, which plans and specifications shall be approved in writing by JEA prior to any construction. Said plans and specifications shall comply

with JEA's Water and Wastewater Standards. All construction of Developer's Extension shall be done by the Developer pursuant to JEA's Procurement Code, consistent with JEA's Water and Wastewater Standards at Developer's cost. Following conveyance by Developer, Developer's Extension, additions, repairs and replacements thereto shall at all times remain the sole, complete and exclusive property of and under the control of JEA, and the Developer shall have no right or claim in and to the Developer's Extension, but the Developer's Extension shall be used for providing service to the Development and, if applicable, the Additional Development.

4. Contractor Selection. Developer shall engage in competitive procurement of all contractors performing work in connection with the construction and installation of the Developer's Extension in compliance with the applicable provisions of JEA's Procurement Code. Pursuant to JEA's Cost Participation Policy, the Project shall be publicly advertised at least once in a newspaper of general circulation in Duval County at least thirty (30) days prior to the established bid opening and at least five (5) days prior to any scheduled prebid conference. Contractor selection shall be subject to the consent of JEA, which shall not be unreasonably withheld. The cost of the Developer's Extension set forth in the construction budget that is approved as part of the procurement process set forth above is referred to herein as the "Construction Cost."

5. Plans. Prior to commencement of construction, Developer shall submit construction plans to JEA that include, at a minimum, a route survey depicting all improvements located in rights-of-way and/or dedicated easements including, but not limited to, roads, driveways, landscaping, right-of-way boundaries, easements, and existing utilities. JEA will review said plans for constructability, hydraulic efficiency and conformity with JEA specifications. *Soft digs and geotechnical surveys may be required and will be determined during the plan review phase.* Upon satisfactory completion of the aforementioned plan review process, a minimum of five (5) sets of signed and sealed engineering plans must be submitted to JEA Environmental Services for FDEP permit processing. Once construction has commenced, Developer may not modify construction plans without JEA's written approval, which shall not be unreasonably withheld.

6. Permits. The Developer shall be responsible for procurement of all applicable permits and will submit to JEA one (1) copy of each permit issued for Developer's Extension (e.g.: FDEP, SJRWMD, applicable FDOT, County or City right of way permits, railroad crossing, etc.). JEA reserves the right to withhold funding until all applicable permits have been obtained.

7. Performance Bond. Developer shall not begin construction on the Developer's Extension until it has posted a performance bond in a form acceptable to JEA guaranteeing completion of the Developer's Extension.

8. Contract Price. The Contract Price constitutes the total lump sum compensation payable to the Developer under this Agreement. All duties, responsibilities and obligations assigned to or undertaken by the Developer shall be at the Developer's expense without change in the Contract Price. Should Developer make any changes to the design, plans and/or specifications after the construction contract is executed, any additional costs associated with these changes shall be the responsibility of the Developer. Should circumstances be found by

the awarded contractor which were not included in Developer's design, plan and specifications and result in additional costs to the awarded contractor, these additional costs shall be the sole responsibility of the Developer.

9. Developer's Representative. The Developer is responsible for management of the construction phases of Developer's Extension and will appoint a qualified professional engineer ("the Engineer") licensed in the State of Florida as its project representative during the construction period. The Engineer will make visits to the site at intervals appropriate to the various stages of construction as the Engineer deems necessary in order to observe as an experienced and qualified design professional the progress that has been made and the quality of the various aspects of the contractor's executed work. Based on information obtained during such visits and observations, the Engineer will endeavor on the behalf of the Developer to determine, in general, if the work is proceeding in accordance with the plans described in Section 5 of this Agreement, any document described on the JEA Project Checklist, attached hereto as Exhibit "D" and incorporated herein, and the construction contract for the Developer's Extension.

10. Project Close-out and Acceptance. Project close–out shall occur when the Developer has made satisfactory completion of the construction and acceptance processes as stated herein and in Exhibit "D", and JEA and Developer have otherwise satisfied the terms of this Agreement in full.

(a) Payment Procedures. Upon satisfactory review of Developer's Application for Payment by JEA's construction inspector, JEA shall make a 50% progress payment on account of the Contract Price. This 50% payment shall be measured by the schedule of values.

(b) Upon satisfactory completion of Developer's Extension in accordance with the project close-out and acceptance process as stated in Section 10 herein, the Developer shall submit to JEA a request for payment for the balance of the Contract Price. Upon review and approval of JEA Project Manager, JEA will pay the balance of the lump sum Contract Price.

(c) The Developer warrants and guarantees that title to all work, materials, and equipment covered by any Application for Payment whether incorporated in Developer's Extension or not, will pass to JEA no later than the time of payment free and clear of all liens, judgments, encumbrances and mortgages.

11. Indemnification and Hold Harmless Provisions. In special consideration of the work herein described, the sufficiency of which is hereby acknowledged, Developer hereby agrees as follows:

Developer shall hold harmless, indemnify and defend JEA and its officers, employees, agents, and contractors against any claim, action, loss, damage, injury, liability, cost and expense of whatsoever kind or nature (including, but not limited to attorney's fees and court costs) arising out of injury (whether mental or corporeal) to persons, including death or damage to property arising out of or incidental to this Agreement, whether or not such injury is due to or caused by the negligence of JEA or otherwise, excluding only the sole gross negligence of JEA.

12. Intentionally Deleted.

13. Grant of Easement and or Deed Rights. Developer shall grant to JEA, its successors and assigns, the (i) exclusive, perpetual right, privilege and easement to construct, reconstruct, operate, maintain, repair, replace,

improve, alter, remove, relocate and inspect water transmission and distribution mains, wastewater collection mains, reclaimed water distribution mains, pipe lines, lateral lines, valves, connections and appurtenant equipment over, across and under a twenty (20) foot strip of land centered on where the Developer's Extension lies on the Developer's Property and, if applicable, the Additional Property, or (ii) for certain systems including but not limited to pump or lift stations, a fee simple conveyance by Special Warranty Deed over property of variable dimensions together with the right of ingress and egress for both (i) and (ii). The easement rights granted with respect to public places shall be subject to the authority of the public authority having jurisdiction over such public places. Prior to JEA providing service to the Development and, if applicable, the Additional Development, Developer shall execute a grant or grants of easement and or deed, in recordable form to be approved by JEA, specifically granting to JEA the above rights necessary, in the discretion of JEA, to provide water and wastewater utility service to the Developer's Property and, if and when applicable, the Additional Property. Nothing contained in this Agreement shall prevent Developer or any subsequent owner of Developer's Property or the Additional Property, if applicable, from exercising itself or granting exclusive or non-exclusive rights, privileges and/or easements to any other parties for the furnishing of utility services other than water and wastewater, provided that JEA's use, occupancy and enjoyment of its easements are not unreasonably interfered with. JEA shall not be obligated to furnish any water or wastewater service to any building which may be built on Developer's Property to which it does not have access.

14. Developer's Right to Connect. Provided that Developer has complied with the terms of this Agreement and provided that the Developer's Extension is installed with the approval of JEA and in compliance with the requirements of all public, governmental or other agencies having supervision, regulation, direction or control of such water and wastewater utility systems, JEA shall allow Developer and the owners or successors in-title of the Developer's Property and , if applicable, Additional Property to connect the Developer's Extension into JEA's Utility System.

15. Contract Administration. Developer shall be responsible for administering the construction contract for the construction of Developer's Extension, including, but not limited to, review and processing of invoices and other contract documents, review and resolution of technical issues (whether foreseen or unforeseen) that arise during construction, and facilitating project close-out upon completion of construction. Developer shall be responsible for all costs associated with said contract administration. It shall also be Developer's responsibility to coordinate construction schedules of its contractors.

16. JEA's Right of Termination of Agreement. JEA shall have the right to terminate this Agreement in the event Developer defaults or fails to comply with any of the terms and conditions of this Agreement in a timely manner and fails to cure such default or fails to comply within thirty (30) days following the receipt by Developer of JEA's notice of such default or failure to comply (unless, with respect to any such default the nature of which cannot reasonably be cured within such 30-day period, the Developer, commences such cure within such 30-day period and thereafter diligently prosecutes such cure to completion). In the event of termination, Developer shall be responsible for all actual costs of removing the connection and restoring JEA's water and/or sewerage system(s) to the condition(s) existing immediately prior to the connection(s).

17. Force Majeure. Neither party shall be liable or responsible to the other party as a result of injury to property or person, or failure to comply with the terms hereof, proximately caused by Force Majeure. The term "Force Majeure" as employed herein shall be acts of God, strikes, lockouts, or other industrial disturbances, acts of public enemy, wars, blockades, riots, acts of Armed Forces, epidemics, pandemics, delays by carriers, inability to obtain materials or right-of-way on reasonable terms, acts of public authorities, acts of vandals or other third parties, or any other causes whether or not of the same kind as enumerated herein which are beyond the control of the party claiming force majeure and qualify under Florida's impossibility of performance principles. Force Majeure shall not apply to monetary payments due hereunder.

18. Approval by Governmental Agencies. JEA's obligations under this Agreement are contingent upon Developer obtaining all necessary approvals for Developer's Extension from all applicable governmental agencies. Developer hereby assumes the risk of loss as a result of the denial or withdrawal of the approval of any concerned governmental agency, or caused by an act of any governmental agency which affects the ability of JEA to provide water , wastewater and/or reclaimed water service to Developer not within the sole control of JEA and which, by exercise of due diligence, JEA is unable to overcome.

19. No Prohibition of Further Extension. This Agreement shall not prohibit or prevent JEA from extending JEA's utility system in or to areas not referred to herein to serve other developers or consumers; provided, however, such extension of utility service shall not cause the Developer's Extension to become overloaded and shall not adversely affect the reservations of capacity granted herein.

20. Modification of Development Plans. Should the Developer modify its development plans for Developer's Property or the Additional Property which would require greater water usage, greater fire flows, additional water facilities, greater wastewater flows, or additional wastewater facilities than the water and wastewater demands designed and approved under the engineering plans and specifications which are the subject of this Agreement, then Developer shall enter into a new agreement with JEA providing for the construction, if necessary, of such additional water or wastewater facilities meeting all JEA's and governmental design requirements and shall pay all additional contributions and fees as may be authorized by JEA's Tariff or the Florida Public Service Commission, or its successor, at the date said new agreement is executed.

21. Notice of Connection to Wastewater System. Developer shall give JEA written notice that Developer is connecting the Developer's Extension to JEA's wastewater collection system no less than two (2) days prior to said connection for inspection. If Developer fails to give said written notice, JEA may require Developer to uncover and expose said connection for inspection, at the sole cost of Developer.

22. Connection of Buildings. Developer shall at its sole cost and expense connect the private property water pipes and the private property wastewater pipes of each building constructed on Developer's Property and the Additional Property, if applicable, to the meters and wastewater laterals of Developer's Extension as reflected in plans and specifications approved by JEA.

23. Application for Service. Developer, its successors, or the occupant(s) of the Developer's Property, shall make written application to JEA for the opening of an account(s) for service. Said application is to be made only after

the payment of all costs set forth herein. At the time of making said application for service, the applicant shall pay all service charges as set forth in JEA's Tariff.

24. Notice of Transfer of Developer's Property. Developer agrees to provide proper written notice to JEA of the actual date of the legal transfer of water and wastewater services from Developer to any third party. Developer shall remain responsible for all costs and expenses, including utility bills, which arise as a result of Developer's failure to notify or improper notification to JEA.

25. Public Records. Article 1, Section 24, Florida Constitution, guarantees every person access to all public records, and Section 119.011, Florida Statutes, provides a broad definition of public records. All documents received by JEA in connection with this Agreement are subject to Chapter 119, Florida Statutes (the "Florida Public Records Law"). Any specific information that Developer claims to be a trade secret or otherwise exempt from the Florida Public Records Law must be clearly identified as such by Developer on all copies furnished to JEA. JEA agrees to notify Developer of any third-party request to view such information, but it is Developer's obligation to obtain a court order enjoining disclosure. If Developer fails to obtain a court order enjoining disclosure within five (5) business days of Developer's receiving notice of the request, JEA may release the requested information. Such release shall be deemed for purposes of the Agreement to be made with Developer's consent and will not be deemed to be a violation of law, including but not limited to laws concerning trade secrets, copyright, or other intellectual property.

In accordance with Section 119.0701, Florida Statutes, Developer shall:

(a) Keep and maintain public records required by Developer to perform the services; and

(b) Upon request from JEA's custodian of public records, provide JEA with a copy of the requested records or allow records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided for in Chapter 119, Florida Statutes, or as otherwise provided by law; and

(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Agreement term and following completion of this Agreement if Developer does not transfer the records to JEA; and

(d) Upon completion of this Agreement, transfer to JEA at no cost all public records in possession of Developer or keep and maintain public records required by JEA to perform the service. If Developer transfers all public records to JEA upon completion of this Agreement, Developer shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If Developer keeps and maintains public records upon completion of this Agreement, Developer shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to JEA upon request from JEA's custodian of public records in a format that is compatible with JEA's information technology systems.

The above requirements apply to a "Contractor" as defined in Section, 119.0701, Florida Statutes.

IF DEVELOPER HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO DEVELOPER'S DUTY

TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT JEA'S CUSTODIAN OF PUBLIC RECORDS AT:

PUBLIC RECORDS REQUEST COORDINATOR

JEA, 21 WEST CHURCH STREET, T-8

JACKSONVILLE, FL 32202

PH: 904-665-8606

PUBLICRECORDS@JEA.COM

26. Insurance. Developer shall not commence work under this Agreement until it has obtained insurance in the types and amounts set forth in Exhibit "E" attached hereto and incorporated herein and provided JEA with Certificates of Insurance naming JEA as additional insured.

27. Miscellaneous.

(a) This Agreement supersedes all previous agreements or representations either verbal or written heretofore in effect between Developer and JEA and made with respect to the matters contained herein, and when duly executed constitutes the complete Agreement between Developer and JEA. Any amendment to this Agreement shall be in writing and executed by the fully authorized representatives of Develoepr and JEA.

(b) Developer is an independent contractor in the performance of all activities under this Agreement. Nothing in this Agreement shall be construed to create an employment, agency or partnership relationship between Developer and JEA.

(c) No third party beneficiary status or interest is conveyed to any third party by this Agreement. Notwithstanding the foregoing, nothing in this Agreement shall prevent the owner of record of either the Developer Property or the Additional Property from utilizing the Created Capacity for the purpose of developing the Development or the Additional Development.

(d) Except as otherwise provided herein, neither Developer nor JEA shall assign, transfer, or sell any of the rights created under, or associated with, this Agreement without the express written consent of the other party, which consent shall not be unreasonably withheld. Notwithstanding the foregoing, nothing in this section shall prevent Developer from assigning or otherwise transferring its rights and duties under this Agreement, either in whole or in part, to an affiliate, subsidiary, or parent company of Developer or to a subsequent owner of the Developer's Property or Additional Property upon written notice to JEA.

(e) If any part of this Agreement, or the application thereof, is declared unconstitutional, invalid, or otherwise unenforceable by a court of competent jurisdiction, such part, or application thereof, shall be severable and the remainder of this Agreement shall remain in effect.

(f) This Agreement was made and executed in Jacksonville, Florida, and shall be interpreted and construed according to the laws of the State of Florida. Litigation involving this Agreement or any provision thereof shall take place in the State or Federal Courts located in Jacksonville, Duval County, Florida.

(g) The headings used in the paragraphs of this Agreement are solely for the convenience of the parties and the parties agree that they shall be disregarded in the construction of this Agreement.

(h) This Agreement shall inure to the benefit of the Developer's Property and Additional Property, and shall inure to and be binding upon the heirs, successors and assigns of the parties hereto.

[*Signatures on following page(s)*]

IN WITNESS WHEREOF, the parties hereto have duly executed this contract, in duplicate, the date and year first above written.

ATTEST:

Robert Zammataro Digitally signed by Robert Zammataro Date: 2023.04.03 10:27:12-04'00'

Robert J. Zammataro, PE
Director W/WW Planning & Development

JEA

Pedro A Melendez Digitally signed by Pedro A Melendez Date: 2023.04.03 12:08:48 -04'00'

Pedro A. Melendez, PE
VP Planning Engineering & Construction

ATTEST:

DocuSigned by: Virginia Feiner CF2EFABF68B345F...

Signature

Virgina Feiner
Print or Type Name

Land Development Manager

DEVELOPER

DocuSigned by: Dennis Mayher 11CAB530042B479...

Signature

Dennis Mayher
Print or Type Name

Director of Land Development

I hereby certify that the expenditure contemplated by the foregoing contract has been duly authorized, and provision has been made for the payment of the monies provided therein to be paid.

Laure A Whitmer

Laure A. Whitmer
Director of Budgets

Form Approved:

Office of General Counsel

Exhibit A
Developer's Property Legal Description

PARCEL 1

A PORTION OF THE CHARLES SETON GRANT, SECTION 42, TOWNSHIP 1 NORTH, RANGE 26 EAST, BEING A PORTION OF TISON'S SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 1, PAGE 150 OF THE FORMER PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS DUVAL COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE INTERSECTION OF THE SOUTHERLY RIGHT-OF-WAY LINE OF BUTCH BAINE DRIVE EAST (A 66' RIGHT-OF-WAY, AS NOW ESTABLISHED), AND THE EASTERLY LINE OF SAID SECTION 42; THENCE NORTH 05°22'27" EAST, ALONG SAID EASTERLY LINE OF SECTION 42, A DISTANCE OF 503.75 FEET, TO THE NORTHERLY LINE OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 4534, PAGE 765, OF THE CURRENT PUBLIC RECORDS OF SAID DUVAL COUNTY; THENCE NORTH 84°42'52" WEST, ALONG LAST SAID LINE, 568.32 FEET, TO THE NORTHERLY LINE OF A 66 FOOT EASEMENT, AS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 4530, PAGE 591, OF SAID CURRENT PUBLIC RECORDS; THENCE NORTH 84°37'10" WEST, ALONG LAST SAID LINE, 66.00 FEET, TO THE NORTHERLY LINE OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 4278, PAGE 348, OF SAID CURRENT PUBLIC RECORDS; THENCE CONTINUE NORTH 84°37'10" WEST, ALONG LAST SAID LINE, 581.82 FEET, TO THE POINT OF BEGINNING; THENCE NORTH 05°22'15" EAST, 359.32 FEET; THENCE NORTH 87°37'14" WEST, 231.46 FEET; THENCE NORTH 15°21'26" WEST, 543.21 FEET; THENCE NORTH 07°53'59" EAST, 319.68 FEET, TO THE NORTHERLY LINE OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 9601, PAGE 1977, OF SAID CURRENT PUBLIC RECORDS; THENCE NORTH 50°58'48" WEST, ALONG LAST SAID LINE, 2243.64 FEET, TO THE EASTERLY LINE OF THOSE LANDS DESIGNATED PARCEL 2 DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 15043, PAGE 670, OF SAID CURRENT PUBLIC RECORDS; THENCE SOUTH 41°51'25" WEST, ALONG LAST SAID LINE, 400.86 FEET; THENCE SOUTH 80°45'16" WEST, CONTINUING ALONG LAST SAID LINE, 631.65 FEET, TO THE WESTERLY LINE OF THOSE LANDS DESIGNATED PARCEL 2, DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 16407, PAGE 1379, OF SAID CURRENT PUBLIC RECORDS; THENCE SOUTH 01°02'11" EAST, ALONG LAST SAID LINE, 2434.75 FEET; THENCE SOUTH 00°25'41" EAST, CONTINUING ALONG LAST SAID LINE, 2050 FEET, MORE OR LESS, TO THE CENTERLINE OF A BRANCH; THENCE NORTHEASTERLY, ALONG THE MEANDERINGS OF LAST SAID LINE, 400 FEET, MORE OR LESS, TO THE CENTERLINE OF WILLIAMSON BRANCH; THENCE EASTERLY, NORTHEASTERLY, NORTHERLY, NORTHWESTERLY, SOUTHEASTERLY, SOUTHERLY AND WESTERLY, ALONG THE MEANDERINGS OF LAST SAID LINE, 5,000 FEET, MORE OR LESS, TO THE AFORESAID NORTHERLY LINE OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 4278, PAGE 348, SAID LINE BEARING NORTH 84°37'10" WEST FROM THE POINT OF BEGINNING; THENCE SOUTH 84°37'10" EAST, 250 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

CONTAINING 205 ACRES, MORE OR LESS.

Together with:

A PORTION OF LOT 1, TISONS SUBDIVISION OF THE G.R. FAIRBANKS TRACT IN THE CHARLES SETON GRANT, SECTION 42, TOWNSHIP 1 NORTH, RANGE 26 EAST, AS RECORDED IN PLAT BOOK 1, PAGE 150 OF THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS DUVAL COUNTY, FLORIDA:

BEGIN AT THE SOUTHWEST CORNER OF SAID LOT 1, PLAT BOOK 1, PAGE 150, OF SAID COUNTY, THENCE NORTH 00°52'29" EAST, ALONG THE WESTERLY LINE OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 16447, PAGE 74 OF SAID CURRENT PUBLIC RECORDS, 670 FEET MORE OR LESS, TO THE CENTERLINE OF A CREEK, ALSO BEING THE NORTHWESTERLY LINE OF LAST SAID LANDS; THENCE NORTHEASTERLY, ALONG SAID CENTERLINE OF A CREEK AND THE NORTHWESTERLY LINE OF SAID LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 16447, PAGE 74, 300 FEET, MORE OR LESS, TO THE NORTHERLY LINE OF SAID LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 16447, PAGE 74; THENCE SOUTH 87°52'01" EAST, 10 FEET, MORE OR LESS, TO THE CENTERLINE OF WILLIAMSON BRANCH, ALSO BEING THE SOUTHWESTERLY LINE OF LEXINGTON PARK PHASE TWO, AS RECORDED IN PLAT BOOK 64, PAGES 38 THROUGH 47, INCLUSIVE OF SAID CURRENT PUBLIC RECORDS; THENCE SOUTHEASTERLY, ALONG LAST SAID LINE, 1700 FEET, MORE OR LESS, TO THE SOUTHERLY LINE OF AFORESAID LOT 1; THENCE NORTH 84°00'52" WEST, ALONG LAST SAID LINE, 880 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

Together with:

A parcel of land consisting of a portion of Section 39 and 42, Township 1 North, Range 26 East, City of Jacksonville, Duval County, Florida, said parcel being more particularly described as follows:

Commence at the intersection of the west line of those lands described in Deed Book "U", page 828 of the former public records of said county with the northerly right-of-way line of Arnold Road (a 66 foot right-of-way); thence on said west line, North 00 degrees 46 minutes 20 seconds East, 580.80 feet to the point of beginning; thence North 00 degrees 45 minutes 09 seconds East, 1166.43 feet; thence North 85 degrees 59 minutes 55 seconds West,, 899.23 feet; thence North 84 degrees 59 minutes 10 seconds West, 231.43 feet to the southeast corner of those lands described in Official Records Book 11585, page 2181 of the current public records of said county; thence on the boundaries of said lands run the following 5 courses: (1) North 00 degrees 46 minutes 20 seconds East, 353.27 feet; (2) North 43 degrees 23 minutes 26 seconds East, 307.76 feet; (3) North 84 degrees 27 minutes 16 seconds East, 247.96 feet; (4) North 85 degrees 48 minutes 16 seconds East, 423.94 feet; (5) North 71 degrees 45 minutes 16 seconds East, 99.45 feet to the northerly line of those lands described in Official Records Book 679, page 339 of said current public records; thence on said northerly line, South 85 degrees 27 minutes 00 seconds East, 1229.77 feet; thence South 00 degrees 49 minutes 19 seconds West, 797.08 feet; thence South 84 degrees 09 minutes 03 seconds East, 358.51 feet to the east line of those lands described in Official Records Book 8000, page 1337 of said current public records; thence on said east line, South 07 degrees 01 minutes 12 seconds West, 829.70 feet; thence South 00 degrees 07 minutes 54 seconds West, 934.55 feet to said northerly line of Arnold Road; thence on said northerly line, North 81 degrees 41 minutes 46 seconds West, 1207.59 feet; thence North 00 degrees 46 minutes 20 seconds East, 580.80 feet; thence North 81 degrees 41 minutes 46 seconds West, 150.00 feet to the point of beginning; being 87.94 acres, more or less, in area.

Together with:

A parcel of land situated in Section 39, Township 1 North, Range 26 East, City of Jacksonville, Duval County, Florida, said parcel being more particularly described as follows:

Begin at the intersection of the west line of those lands described in Deed Book "U", page 828 of the former public records of said county with the northerly right-of-way line of Arnold Road (a 66 foot right-of-way); thence on said west line, North 00 degrees 46 minutes 20 seconds East, 580.80 feet; thence South 81 degrees 41 minutes 46 seconds East, 150.008 feet; thence South 00 degrees 46 minutes 20 seconds West, 580.80 to said northerly line of Arnold Road; thence on said northerly line, North 81 degrees 41 minutes 46 seconds West, 150.00 feet to the point of beginning; being 1.98 acres, more or less, in area.

Being the same lands described in Official Records Book 8284, page 2407 of the current public records of said county.

And together with:

A parcel of land consisting of a portion of Section 39 and 42, Township 1 North, Range 26 East, City of Jacksonville, Duval County, Florida, said parcel being more particularly described as follows:

Begin at the intersection of the west line of those lands described in Deed Book "U", page 828 of the former public records of said county with the northerly right-of-way line of Arnold Road (a 66 foot right-of-way); thence on said northerly line, North 81 degrees 41 minutes 46 seconds West, 1138.82 feet to the west line of those lands described in Official Records Book 11585, page 2154 of the current public records of said county; thence on said west line, North 00 degrees 46 minutes 20 seconds East, 1665.73 feet to the southeast corner of those lands described in Official Records Book 11585, page 2181 of said current public records; thence South 84 degrees 59 minutes 10 seconds East, 231.43 feet; thence South 85 degrees 59 minutes 55 seconds East, 899.23 feet; thence South 00 degrees 45 minutes 09 seconds West, 1166.43 feet; thence South 00 degrees 46 minutes 20 seconds West, 580.80 feet to the point of beginning; being 44.18 acres, more or less, in area.

Exhibit B

SEATON CREEK
JEA CLASS III LIFT STATION

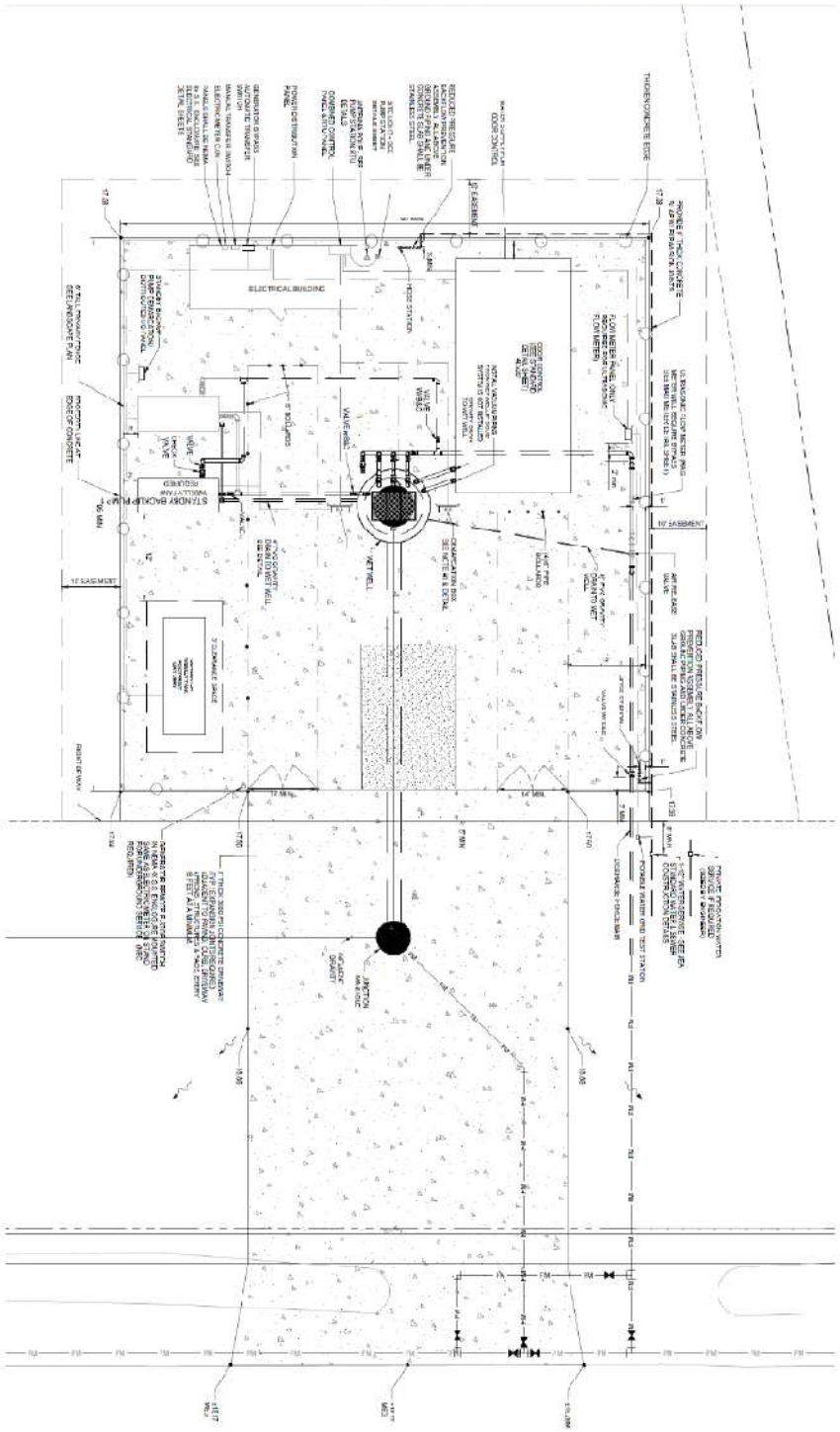


Exhibit C

Additional Property Legal Description

A PORTION OF SECTION 49, CHARLES SETON GRANT, TOWNSHIP 2 NORTH, RANGE 27 EAST, AND A PORTION OF SECTION 45, JOHN HOUSTON GRANT, TOWNSHIP 1 NORTH, RANGE 27 EAST, TOGETHER WITH ALL OF SECTION 43, JOHN HOUSTON GRANT, TOWNSHIP 1 NORTH, RANGE 26 EAST, ALL LYING IN DUVAL COUNTY FLORIDA AND A PORTION OF LOT 2 AND LOT 3, TISONS SUBDIVISION AS RECORDED IN PLAT BOOK 1, PAGE 150, OF THE FORMER PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 49, CHARLES SETON GRANT, TOWNSHIP 2 NORTH, RANGE 27 EAST, ALSO BEING THE NORTHWESTERLY CORNER OF SECTION 45, JOHN HOUSTON GRANT, TOWNSHIP 1 NORTH, RANGE 27 EAST; THENCE SOUTH 05°22'27" WEST, ALONG THE WESTERLY BOUNDARY OF SAID SECTION 45, A DISTANCE OF 134.46 FEET TO AN INTERSECTION WITH THE CASTLETON DONATION LINE AS RECORDED IN OFFICIAL RECORDS 8266, PAGE 1467 AND ALSO RECORDED IN OFFICIAL RECORDS 8266, PAGE 1476, OF THE CURRENT PUBLIC RECORDS OF SAID DUVAL COUNTY, FLORIDA, AND THE POINT OF BEGINNING; THENCE NORTHEASTERLY AND SOUTHEASTERLY ALONG SAID CASTLETON DONATION LINE, RUN THE FOLLOWING SIX, (6) COURSES AND DISTANCES: COURSE NO. 1: NORTH 41°29'52" EAST, 273.17 FEET; COURSE NO. 2: NORTH 63°06'55" EAST, 685.62 FEET; COURSE NO. 3: SOUTH 86°29'26" EAST, 455.78 FEET; COURSE NO. 4: NORTH 14°48'32" EAST, 559.52 FEET; COURSE NO. 5: NORTH 78°11'03" EAST, 750.22 FEET; COURSE NO. 6: NORTH 88°05'50" EAST, 588.47 FEET TO THE WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE OF INTERSTATE NO. 95 (A 300 FOOT RIGHT-OF-WAY PER FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP SECTION NO. 72290-2403), SAID POINT LYING ON THE ARC OF A CURVE TO THE SOUTH; THENCE SOUTHERLY ALONG SAID WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE AND ALONG AND AROUND THE ARC OF SAID CURVE, CONCAVE WESTERLY, HAVING A RADIUS OF 22768.32 FEET, AN ARC DISTANCE OF 514.32 FEET, SAID CURVE BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF SOUTH 09°28'03" EAST, 514.31 FEET TO THE NORTHERLY BOUNDARY OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS 9210, PAGE 1718, SAID CURRENT PUBLIC RECORDS; THENCE SOUTHWESTERLY, SOUTHEASTERLY AND NORTHEASTERLY ALONG THE NORTHERLY, WESTERLY AND SOUTHERLY BOUNDARY OF SAID LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS 9210, PAGE 1718, RUN THE FOLLOWING THREE (3) COURSES AND DISTANCES, COURSE NO. 1: SOUTH 81°10'47" WEST, 473.90 FEET; COURSE NO. 2: SOUTH 08°14'13" EAST, 453.99 FEET; COURSE NO. 3: NORTH 82°20'47" EAST, 473.90 FEET TO THE AFORESAID WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE OF INTERSTATE NO. 95, SAID POINT LYING ON THE ARC OF A CURVE TO THE SOUTH; THENCE SOUTHERLY ALONG SAID WESTERLY LIMITED ACCESS RIGHT OF WAY LINE AND ALONG AND AROUND THE ARC OF SAID CURVE, CONCAVE WESTERLY, HAVING A RADIUS OF 22768.32 FEET, AN ARC DISTANCE OF 1045.40 FEET, SAID CURVE BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF SOUTH 06°20'17" EAST, 1045.31 FEET TO THE POINT OF TANGENCY; THENCE SOUTH 05°01'22" EAST, CONTINUING ALONG SAID WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE, 3311.48 FEET TO THE NORTH LINE OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS 7245, PAGE 2347, SAID CURRENT PUBLIC RECORDS; THENCE SOUTH 89°49'46" WEST, ALONG LAST SAID LINE, 627.63 FEET TO THE SOUTHERLY LINE OF AFORESAID SECTION 45, JOHN HOUSTON GRANT; THENCE NORTH 84°27'16" WEST, ALONG LAST SAID LINE AND ALONG THE SOUTHERLY LINE OF AFORESAID SECTION 43, JOHN HOUSTON GRANT, A DISTANCE OF 3014.50 FEET TO THE WESTERLY BOUNDARY OF SAID SECTION 43; THENCE NORTH 05°22'27" EAST, ALONG LAST SAID LINE AND ALONG THE EASTERLY BOUNDARY OF AFORESAID SECTION 48, A DISTANCE OF 3830.41 FEET TO THE POINT OF BEGINNING.

CONTAINING 344.60 ACRES, MORE OR LESS

Exhibit D
JEA Project Checklist

Acceptance Checklist

Project Name: _____ **Availability #:** _____
Engineer: _____ **Phone :** _____
Developer: _____ **Phone :** _____
Utility Contractor: _____ **Phone :** _____

_____ Address of Pump/Lift Station: _____

_____ Electric Meter #: _____

_____ Service Provider:

_____ **Bill of Sale for water and/or sewer improvements:** This is required under the water and sewer code, whereby all materials and appurtenances in the system(s) legally become the property of JEA. ***Original signature and Notarized***

_____ **Dedication Warranty:** 2-year contractor warranty for infrastructure improvements. ***Original signature & must include Contractor's License No.***

_____ **Engineer's Final Certification:** Certificate in accordance with para 654.124 (Subdivision Regulations is on file) ***Original signature with PE seal***

_____ **Owner's Affidavit of Construction Completion:** The original affidavit should be completed by the owner or developer. The affidavit should address JEA not the City of Jacksonville. ***Original signature and Notarized***

_____ **Schedule of Values:** Be sure to include all applicable project information, including pump station information at the bottom of the document.

_____ **As-Built Approval Letter(s)**

_____ **Clearance Certificates on Water, Sewer and Reclaim Mains:** Letters of certification from JEA and/or FDEP.

_____ **Approved Deed of Dedication, Easement(s), Recorded Plat, Hold Harmless Agreement**

_____ **Pump Station "Start-Up":** A copy of the pump station start-up report with the name of the pump (ex. Myers), control panel (ex. Unitron) and pump site address.

_____ **Record of Final Inspection:** Final inspection record should indicate attendees and deficiencies noted. The original with Project Engineer/Inspector's Certification that all punch-list items have been satisfied.

Please submit all applicable documents for final utility acceptance and service.

Revised 1/3/2019

Exhibit E
Insurance Requirements

Before starting and until acceptance of the Work by JEA, and without further limiting its liability under the Contract, Developer shall procure and maintain at its sole expense, or shall require its contractor to procure and maintain, insurance of the types and in the minimum amounts stated below:

Workers' Compensation
Florida Statutory coverage and Employer's Liability (including appropriate Federal Acts); Insurance Limits: Statutory Limits (Workers' Compensation) $500,000 each accident (Employer's Liability).

Commercial General Liability
Premises-Operations, Products-Completed Operations, Contractual Liability, Independent Contractors, Broad Form Property Damage, Explosion, Collapse and Underground, Hazards (XCU Coverage) as appropriate; Insurance Limits: $1,000,000 each occurrence, $2,000,000 annual aggregate for bodily injury and property damage, combined single limit.

Automobile Liability
All autos-owned, hired, or non-owned; Insurance Limits: $1,000,000 each occurrence, combined single limit.

Excess or Umbrella Liability
(This is additional coverage and limits above the following primary insurance: Employer's Liability, Commercial General Liability, and Automobile Liability); Insurance Limits: $2,000,000 each occurrence and annual aggregate.

Developer’s Commercial General Liability, Excess or Umbrella Liability and Professional Liability (if applicable) policies shall remain in force throughout the duration of the project and until the Work is completed to JEA’s satisfaction. The Indemnification provision provided herein is separate and is not limited by the type of insurance or insurance amounts stated above.

Developer shall specify JEA as additional insured for all coverage except Workers' Compensation and Employer's Liability. Such insurance shall be primary to any and all other insurance or self-insurance maintained by JEA. Company shall include a Waiver of Subrogation on all required insurance in favor of JEA, their board members, officers, employees, agents, successors and assigns.

Such insurance shall be written by a company or companies licensed to do business in the State of Florida and satisfactory to JEA. Prior to commencing any Work under this Contract, certificates evidencing the maintenance of the insurance shall be furnished to JEA for approval. Company's and its subcontractors' Certificates of Insurance shall be mailed to JEA (Attn. Risk Management Services), 21 West Church Street, T12, Jacksonville, FL 32202-3139.

The insurance certificates shall provide that no material alteration or cancellation, including expiration and non-renewal, shall be effective until thirty (30) days after receipt of written notice by JEA.

Any contractors or subcontractors of Developer shall procure and maintain the insurance required of Developer hereunder during the life of the subcontracts. Subcontractors' insurance may be either by separate coverage or by endorsement under insurance provided by Developer. Developer shall submit subcontractors' certificates of insurance to JEA prior to allowing Subcontractors to perform Work on JEA's job sites.

Exhibit F
Projected Development Schedule

Estimated Per Year- Units

Phase	Units	2022	2023	2024	2025	2026	2027	2028	Total Units
1	300	Construction	150	150	0	0	0	0	300
2	500		Construction	125	125	125	125	0	500
3	600	-		Construction	150	150	150	150	600
Total	**1,400**	0	150	275	275	275	275	150	**1,400**

21 West Church Street
Jacksonville, Florida 32202-3139

COST PARTICIPATION PROJECT

Name: Seaton Creek **12/12/2022**

Availability number: 2020-3267 **Development Size: 800 single family**

Background:

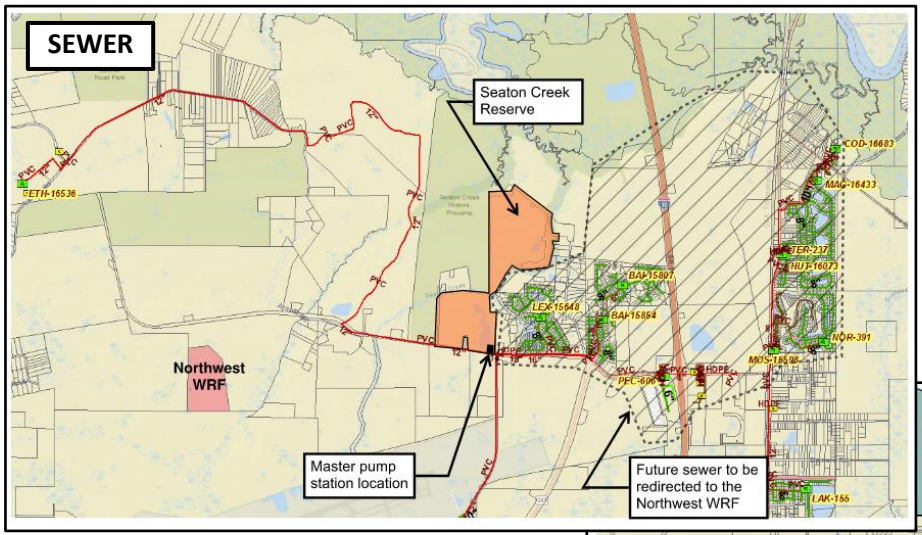
This is a private development project where JEA has identified improvements consistent with the JEA Cost Participation Policy and as such are eligible for reimbursement. The Seaton Creek project (Avail. No. 2020-3267) will support the overall Seaton Creek Reserve Development which will consist of 800 single family residential units. This project is located within the District 2 (Cedar Bay) Sewer Basin and the North Water Grid. Upon completion of the Northwest WRF, the sewer flows from this development will be redirected to the Northwest WRF.

Justification:

The project elements are comprised as follows: Install 2,760 feet of 16" transmission water main (44% JEA participation) and upsize onsite master lift station to a Class III lift station with a 1,600 gpm capacity.

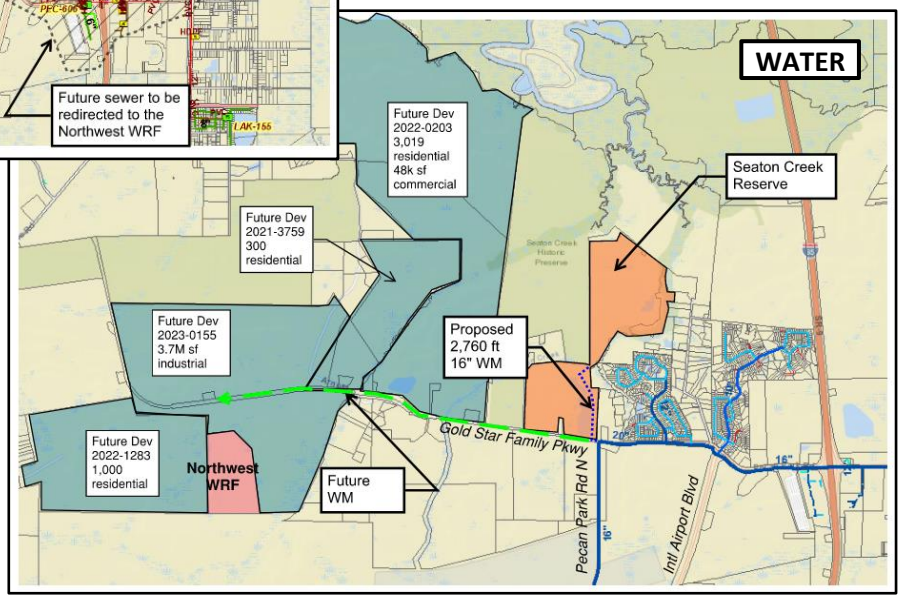
The area surrounding the project location has experienced significant development interest in the last several years. Several surrounding parcels have undergone land use and/or zoning modifications to entitle the land for new development. The proposed water transmission main will include a short segment along Gold Star Family Parkway and extend into the development as shown in Exhibit 1. Future developments west this project will extend the water main further along Gold Star Family Parkway. The master lift station upsizing was requested by JEA to assist with the sewer flow transfer from the District 2 Wastewater Basin to the Northwest WRF when completed. The upgraded master lift station will allow sewer flow from Main Street to be redirected to the Northwest WRF along Gold Star Family Parkway.

Improvements:



PO Amount: $2,340,810.76 ($302,820.76 water, $2,037,990.00 pump station)

JEA Estimate: $2,612,728.60 ($580,267.60 water, $2,032,461.00 pump station)



Award #12 07/20/23 Supporting Documentation

REQUEST FOR PROPOSAL

SEATON CREEK RESERVE
JEA MSTR. LIFT STATION UPSIZING AND 16" WATER MAIN

For

Lennar Homes, LLC
9440 Philips Highway, Suite 7
Jacksonville, Florida 32256

DUE DATE
October 10, 2022 @ 10:00 am

To: **Lennar Homes, LLC**

From: Jax Dirtworks, Inc.

In accordance with the invitation for the Request for Proposal for the JEA Mstr. Lift Station Upsizing and 16" water main at Seaton Creek Reserve. The project is located along the future intersection of **Seaton Creek Drive** and **Arnold Road**, in Duval County, FL.

The undersigned proposes to construct all work necessary to install the upsizing of the Master Lift Station along Arnold Road and the 16" water main (from Arnold Road, along Huntley Hollow Drive, and along Seaton Creek Drive from Station 30+85 to 35+75) as shown on the current County/City and JEA approved civil plans for a Class 3 Station, prepared by Prosser with the latest plot date of 12/6/2021 and County approved stamped date of 12/15/21. Because this work will benefit JEA the proposer also agrees to provide true and accurate pricing for the Class 2 Station prepared by Dominion Engineering Group with a plot date of 8/24/2022. The Geotechnical Report by Universal Engineering Sciences dated **2/18/21** is also included in accordance with the City of Jacksonville, JEA, ACOE, and the SJRWMD permits. All bids shall include coordination of construction with others, including but not limited to, Owners Testing consultants and soft utilities.

The Project plans, specifications and RFP package will be available and may be obtained by accessing the Box link: https://lennar.box.com/s/s4l2v4izsjvwoh2kxe4jb8lihftk891q. No hard copies of plans will be distributed from Consultants or Lennar.

There will be a mandatory pre-proposal conference hosted by Lennar Homes, LLC and held via Teams Meeting at 1:00 pm EST on 9/16/22. The pre-proposal conference may include, but not limited to, a discussion of the contract requirements, inspections, evaluations and submittal requirements.

All Requests for Additional Information (RFI's) shall be made in writing emailed only to the Land Development Manager, Ginny Feiner at Ginny.Feiner@Lennar.com no later than 9/23/22 by 10:00 am.

Schedule - Time is of the essence for the construction of this project. The Contractor's schedule shall specifically include dates for each major line item, substantial Completion and Final Acceptance of the improvements from JEA, Duval County and/or FDOT if applicable. Substantial Completion is defined as pending power from JEA.

Award #12 07/20/23 Supporting Documentation

Firms desiring to provide services for this project must submit one (1) original and five (5) hard copies of the required proposals no later than 10:00 am EST on 10/10/22, at the office of Lennar Homes, LLC, 9440 Philips Hwy, Ste 7, Jacksonville FL 32256 with an electronic copy in pdf and excel included with the submittal package on a flash drive. Proposals shall be submitted in a sealed opaque package, shall bear the name of the proposer on the outside of the package and shall identify the name of the project. Proposals will be opened at the time and date stipulated above; those received after the time and date stipulated above will be returned un-opened to the proposer. Any proposals not completed as specified or missing the required proposal documents as provided in the Project Manual may be disqualified.

The Notice to Proceed is anticipated to be authorized immediately upon contract award and anticipated by 10/17/22. Contractor must mobilize and commence construction by 10/31/22. Substantial completion shall be achieved by 6/1/23, with Final completion with full JEA acceptance must be on or before 7/1/23.

Award #12 07/20/23 Supporting Documentation

BASIS OF COST BREAKDOWN

OPTION #1 - CLASS II LIFT STATION

(Refer to LS Class 2 - SCR DEG Plans and Specs JEA Approved 2022-8-23)

1. **MOBILIZATION, GENERAL CONDITIONS, SITE PREP** - Includes the preparatory work and operations in mobilizing, demobilization, general conditions, overhead, profit and insurance specific to the lift station site. This will include any site preparation necessary for construction. This item will be paid for on an average cost through the life of the contract.

2. **EROSION SEDIMENT CONTROL AND SWPP MAINTENANCE** - Includes all measures that are required to comply with the most current version of the State of Florida Erosion and Sediment Control Designer and Reviewer Manual, FDEP, Duval and St. Johns County water quality standards. This includes, but is not limited to silt screens, hay bales, sodding, settling ponds or other such measures that shall prevent the discharge of turbid waters from the site and minimize erosion of all graded areas. This item includes all measures necessary to meet agency quality standards and requirements for the Clearing and Mass Earthwork. Contractor is responsible for all offsite water discharge testing occasionally for turbid water. Contractor will coordinate all testing. The contractor is ultimately responsible for any and all turbid water and off-site discharge. All Deficiencies must be repaired in seven days or less, or, the contractor must provide in writing why the deficiencies cannot be addressed with in the seven-day limit. Failure to correct a deficiency in the first seven days will result in a written warning. If the deficiency is not corrected after fourteen days, the Owners Representative will make the repair and the Contractor will be back charged for the cost of the repair and a $500.00 fine for each line item not addressed. On or before final acceptance of the site, Contractor shall ensure that silt fence is properly installed in all non- stabilized areas though out the site prior to demobilization. Silt fence shall be removed, and trench properly backfilled in all stabilized areas not adjacent to lot pads as directed by Lennar Homes, LLC. Any fines imposed by any agency shall be the responsibility of the Contractor.

3. **CLASS II LIFT STATION SYSTEM** - As drawn by Dominion Engineering Group, per the RFP attachment that includes the construction of the Pump Station, complete with junction manhole and the gravity sewer pipe between the junction manhole and the pump station, discharge force main and connection to the existing force main complete including furnishing and installing the pump station, concrete wet well, concrete slab, piping, force main valves, fittings, restrained joints, sleeves, air release valves, pressure testing, locate wires and appurtenances, accessories necessary to complete the installation; provide electrical service from JEA installed transformer, replacement of unsuitable backfill, access road, dewatering, concrete work, site grading, sodding, fencing, erosion control, protection of other utilities, satisfactory pump station start up(pre-final and final) and testing and other items not specifically mentioned, but necessary for complete and operable system as shown on the drawings and specifications and in accordance with the JEA and Florida Department of Environmental Protection requirements. The owner will be responsible to order the water and electric meter prior to start up. Includes lift station asbuilts.

Award #12 07/20/23 Supporting Documentation

JEA CLASS II LIFT STATION

Item No. & Description	TOTAL
1. MOBILIZATION, GENERAL CONDITIONS, SITE PREP	$ 32,152.00
2. EROSION SEDIMENT CONTROL AND SWPP MAINTENANCE	$ 14,650.00
3. CLASS II LIFT STATION SYSTEM	$ 1,709,957.00
Total Items 1, 2 and 3	$ 1.756,759.00

Award #12 07/20/23 Supporting Documentation

BASIS OF COST BREAKDOWN

OPTION #2 – CLASS III LIFT STATION

(Refer to LS Class 3 - SCR Prosser Plans and Specs JEA Approved Plans.pdf)

1. **MOBILIZATION, GENERAL CONDITIONS, SITE PREP** - Includes the preparatory work and operations in mobilizing, demobilization, general conditions, overhead, profit and insurance specific to the lift station site. This will include any site preparation necessary for construction. This item will be paid for on an average cost through the life of the contract.

2. **EROSION SEDIMENT CONTROL AND SWPP MAINTENANCE** - Includes all measures that are required to comply with the most current version of the State of Florida Erosion and Sediment Control Designer and Reviewer Manual, FDEP, Duval and St. Johns County water quality standards. This includes, but is not limited to silt screens, hay bales, sodding, settling ponds or other such measures that shall prevent the discharge of turbid waters from the site and minimize erosion of all graded areas. This item includes all measures necessary to meet agency quality standards and requirements for the Clearing and Mass Earthwork. Contractor is responsible for all offsite water discharge testing occasionally for turbid water. Contractor will coordinate all testing. The contractor is ultimately responsible for any and all turbid water and off-site discharge. All Deficiencies must be repaired in seven days or less, or, the contractor must provide in writing why the deficiencies cannot be addressed with in the seven-day limit. Failure to correct a deficiency in the first seven days will result in a written warning. If the deficiency is not corrected after fourteen days, the Owners Representative will make the repair and the Contractor will be back charged for the cost of the repair and a $500.00 fine for each line item not addressed. On or before final acceptance of the site, Contractor shall ensure that silt fence is properly installed in all non- stabilized areas though out the site prior to demobilization. Silt fence shall be removed, and trench properly backfilled in all stabilized areas not adjacent to lot pads as directed by Lennar Homes, LLC. Any fines imposed by any agency shall be the responsibility of the Contractor.

3. **CLASS III LIFT STATION SYSTEM** - As drawn by Prosser, per the RFP attachment (LS Class 3 - SCR Prosser Plans and Specs JEA Approved Plans.pdf) that includes the construction of the Pump Station, complete with junction manhole and the gravity sewer pipe between the junction manhole and the pump station, discharge and influent force mains and connections to the existing force main complete including furnishing and installing the pump station, concrete wet well, concrete slab, piping, force main valves, fittings, restrained joints, sleeves, air release valves, pressure testing, locate wires and appurtenances, accessories necessary to complete the installation; provide electrical service from JEA installed transformer, replacement of unsuitable backfill, access road, dewatering, concrete work, site grading, sodding, fencing, erosion control, protection of other utilities, satisfactory pump station start up(pre-final and final) and testing and other items not specifically mentioned, but necessary for complete and operable system as shown on the drawings and specifications and in accordance with the JEA and Florida Department of Environmental Protection requirements. The owner will be responsible to order the water and electric meter prior to start up. Includes lift station and associated piping as-builts.

Award #12 07/20/23 Supporting Documentation

JEA CLASS III LIFT STATION

Item No. & Description	TOTAL
1. MOBILIZATION, GENERAL CONDITIONS, SITE PREP	$ 192,022.00
2. EROSION SEDIMENT CONTROL AND SWPP MAINTENANCE	$ 14,650.00
3. CLASS III LIFT STATION SYSTEM	$ 3,494,654.00
4. PAYMENT & PERFORMANCE BOND	$ 93,423.00

Total Items 1, 2, 3 and 4 $ 3,794,749.00

16" WATER MAIN

1. **16" WATER MAIN DISTRIBUTION SYSTEM –** This item includes the 16" water main from Arnold Road, along Huntley Hollow Drive, and along Seaton Creek Drive from Station 30+85 to 35+75, and stubs up to the valves at intersections. Includes the construction of the water distribution system complete including all 16" pipe, 16" valves, hydrants, fittings, testing, disinfection, asbuilts and the removal, disposal and replacement of any unsuitable material encountered, and all other work necessary to complete the installation of the system. This item shall include coordination with the Seaton Creek Reserve subdivision contractor(s). Item does not include the water services, piping, valves, fittings, or hydrants on any other sized mains.

2. **WATER MAIN SERVICES AND CONNECTIONS –** This item includes all services and connections along Huntley Hollow Drive, and along Seaton Creek Drive from Station 30+85 to 35+75, exclusive of the 16" water main.

Water Main

1. **16" WATER MAIN DISTRIBUTION SYSTEM** $ 688,229.00

2. **WATER MAIN SERVICES AND CONNECTIONS** $ 59,167.00

Total Item 1 & 2 $ 747,396.00

Award #12 07/20/23 Supporting Documentation

GENERAL NOTES:

1. The scope of work shall be part of a cost sharing Agreement between the Owner and JEA. Contractor shall provide complete and total costs for each, a Class 2 Lift Station, and a Class 3 Lift Station and 16" water main. No add alternate pricing will be allowed.

2. The selected Contractor will be required to submit an itemized AIA Payment Documents for public and private work, with schedule of values outlining all work items that will be used for monthly pay requests and change orders.

3. The Contractor is required to schedule and perform all required testing for the County and applicable utility companies prior to project acceptance. Owner's contractor will perform all Geotech testing as scheduled by the Contractor.

4. The Contractor is responsible for visually inspecting the entire site prior to submitting bids and notifying the Engineer of discrepancies, which may affect the construction and its cost.

5. Standard contract documents as provided by the Owner will be used for the Contract and General Conditions.

6. The Owner will provide the following survey stakeout work for the Contractor. All other necessary survey work must be provided by the Contractor.

    a. Project Benchmark
    b. Roadway Center Points

7. The Contractor shall be responsible for coordinating all work necessary with all utility companies.

8. The Contractor shall be responsible for coordinating the work necessary to complete all final approvals and acceptances.

9. Contractor shall complete his work in a professional and workman like manner typical of his industry. There shall be no sections or parts missing. Further, the work shall be complete and able to function for its intended use. The work must be continuous.

10. Burning of clearing debris generated on this project area may be burned as allowed by the regulating agencies.

11. Water and Sewer As-Builts must include elevation on all water/storm and water/sanitary crossing and must meet JEA Standard 501 As-Built Drawings.

12. The Contractor shall specify all subcontractors to be used for major work items, i.e. water, sewer, paving and drainage.

13. Billing – The contractor must apply for all payments using the Build-Pro / Supply Pro System. An AIA paper copy of the payment must also be uploaded, e-mailed or mailed to Lennar. The Contractor shall also provide partial lien releases for any NTO AND any supplier or sub that is on the list of suppliers/sub-contractors.

14. Contractor shall secure and pay for all clearing, paving and drainage construction permits, right-of way construction permits.

15. The undersigned Contractor has examined and read all Plans, Specifications, General and Special Conditions, and other Contract Documents and all Addenda thereto; and is acquainted with and fully understands the extent and character of the work covered by this Proposal and the specified requirements for the proposed work and submits this Bid with no unanswered questions.

16. The undersigned Contractor certifies that he has carefully examined the foregoing Proposal after the same was completed and has verified every item placed thereon; and agrees to indemnify, defend and save harmless the Owner and/or Engineer against any cost, damage or expense which may be incurred by any error in his preparation of same.

17. The undersigned Bidder agrees that he understands the following items:

If this Proposal is accepted by the Owner, the undersigned agrees to keep the bid in effect for ninety (90) calendar days from the bid opening date.

The Owner reserves the right to reject any or all Bids, waive informalities in any Bid, make award in part of whole with or without cause, and to the award in what is deemed to be the best interest of the Owner.

If awarded the Contract, the undersigned agrees to begin work within ten (10) calendar days after executing the contract and complete the improvements in accordance with the schedule shown.

The following documents are attached to and made a condition of this Bid

A. Attachment A – Minimum Qualifications Form
B. Attachment B – Bid Affidavit
C. Attachment C – Addenda Acknowledgement
D. Attachment D – List of Subs & Suppliers
E. Attachment E – Certificate of Compliance with Florida Trench Safety Act
F. Copy of Contractor's Licenses
G. Detailed Project Schedule
H. AIA Breakdown

Award #12 07/20/23 Supporting Documentation

Attachment A — Minimum Qualifications

Company Name: Jax Dirtworks, Inc.

Company's Address: 310 Mealy Dr. Atlantic Beach, FL 32233

License Number: CGC1524338 - CUC1225320

Phone Number: 904.746.7320 FAX No: n/a Email Address: brent@jaxdirtworks.com

BID SECURITY REQUIREMENTS
LI 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
LI 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 — SEATON CREEK	TOTAL BID PRICE
Total Bid Price for Class 2 Lift Station	$1,752,759.60
Total Bid Price for Class 3 Lift Station	$3,701,326.00
☐ Total Bid Price for Payment & Performance Bond	$93,423.00
Total Bid Price for the 16" Water Main Distribution	$688,229.00
Total Bid Price for the Water Service and Connections	$59,167.00

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 n/a through n/a

Handwritten Signature of Authorized Officer of Company or Agent — Date 10/11/22

Jennifer Holderman CEO
Printed Name and Title

☐

Minimum Qualifications

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

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

BIDDER INFORMATION

COMPANY NAME: Jax Dirtworks, Inc

BUSINESS ADDRESS: 310 Mealy Drive

CITY, STATE, ZIP CODE: Atlantic Beach, Florida 32233

TELEPHONE: 904-746-7320

FAX: _____

E-MAIL: bent@jaxdirtworks.com

PRINT NAME OF AUTHORIZED REPRESENTATIVE: Jennifer Holdeman

SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____

NAME AND TITLE OF AUTHORIZED REPRESENTATIVE: Jennifer Holdeman CEO

MINIMUM QUALIFICATIONS:
Bidder shall have the following Minimum Qualifications to be considered eligible to submit a Bid in response to this Solicitation.

(1) Proposer shall be required to provide evidence of $10,000,000 minimum bonding capacity from a Surety Company acceptable to Owner.

(2) Proposer and its sub-contractors shall provide proof of insurance in an amount to or exceeding the following:

- Workers Compensation $1,000,000
- General Liability Insurance $1,000,000/$2,000,000 annual aggregate
- Automobile Liability Insurance $1,000,000 each occurrence
- Excess or Umbrella Liability in addition to GL with $2,000,000 each occurrence
- Such insurance shall be obtained for contractor and sub-contractors written by companies licensed to do business in the State of Florida with a A++ Rating upon contract award.

(3) Proposer will have constructed three (3) projects similar in quality and scope of a minimum of $5,000,000 each in completed construction over the last ten (10) years.

(4) Proposer is a licensed underground utility contractor in the State of Florida for a minimum of ten (10 years;

(5) Proposer is eligible to do business with JEA.

Attachment A – Minimum Qualifications

Reference 1

Primary Nature of Service Provided Civil Site Work

Reference Name Christopher Vickers

Reference Phone Number 904-497-1500

Reference E-Mail Address cvickers@liveoakcontracting.com

Contract Start Date 7/1/2020

Contract End Date 6/20/2022

Contract Value (Dollars) $1,724,995.06

Description of Project Site work and underground utility work for a 6 acre apartment complex. Installation of lift station, water, fire, gravity sewer, and drainage. Excavate pond, remove unsuitables from site, prepare building pads, asphalt, and sidewalk.

Attachment A Minimum Qualifications

Reference 2

Primary Nature of Service Provided Widening of SR13

Reference Name Ronnie Leinwohl

Reference Phone Number 904-270-2225

Reference E-Mail Address rl@urbanpartners.net

Contract Start Date 9/1/21

Contract End Date 10/1/22

Contract Value (Dollars) $986,380.00

Description of Project Widen both sides of SR13 in St Johns County. Maintenance of Traffic, lane swapping, new guardrail, and new lanes on both sides of the road. Storm drainage.

Attachment A – Minimum Qualifications

Reference 3

Primary Nature of Service Provided Construction of a New School

Reference Name Chris McLaren

Reference Phone Number 904-509-3580

Reference E-Mail Address chris.mclaren@summitcmgroup.com

Contract Start Date 10/13/2021

Contract End Date 6/28/2022

Contract Value (Dollars) $2,307,711.34

Description of Project Construction of a new school. Clearing Grubbing, Demolition of existing structures. Excavation of pond, placement and compaction of new fill. Asphalt parking lot and bus loop, sidewalks, building pad. Water and fire mains, Gravity Sewer, new lift station, force main, and storm drainage.

Award #12 07/20/23 Supporting Documentation

Brown & Brown INSURANCE

Brown & Brown of Florida, Inc.
P.O. Box 2412
Daytona Beach, FL 32115-2412
P: (800) 877-2769
bbinsurance.com

October 3, 2022

JEA
21 W. Church Street
Jacksonville, FL 32202

Re: Jax Dirtworks, Inc.
Seaton Creek Master Lift Station Upsizing

To Whom It May Concern:

We have the pleasure of handling the contract bonds for Jax Dirtworks, Inc. Argonaut Insurance Company is the current surety. They are A.M. Best Rated A-, XIII with a Treasury Limit in excess of $107 million. Argonaut Insurance Company is favorable to supporting single projects in the range of $10,000,000 with an aggregate program of $20,000,000.

Jax Dirtworks, Inc. is an excellent contractor and we hold them in high regard. We feel extremely confident in our contractor and encourage you to offer them an opportunity to execute any upcoming projects.

Please note that the decision to issue a bond is a matter Jax Dirtworks, Inc. and Argonaut Insurance Company and will be subject to their standard underwriting at the time of the final bond request, which will include but not be limited to the acceptability of the contract documents, bond forms and financing. We assume no liability to third parties or to you if for any reason they do not execute said bonds.

Sincerely,

Tyler D. DeBord, AFSB, CPCU
Senior Vice President, Surety Practice Leader

Award #12 07/20/23 Supporting Documentation

JAXDIRT-01 SPOWERS

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 3/14/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
JP Perry Insurance, Inc
3342 Kori Road
Jacksonville, FL 32257

CONTACT NAME: Stacey A. Powers
PHONE (A/C, No, Ext): (904) 482-1663 FAX (A/C, No): (904) 900-2222
E-MAIL ADDRESS: spowers@jpperry.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : The Travelers Indemnity Company of America	25666
INSURER B : The Charter Oak Fire Insurance Company	25615
INSURER C : Admiral Insurance Company	24856
INSURER D : Travelers Property Casualty Company of America	25674
INSURER E :	
INSURER F :	

INSURED
Jax Dirtworks, Inc.
310 Mealy Drive
Atlantic Beach, FL 32233

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR			DTCO0R720162	3/15/2022	3/15/2023	DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 300,000
	X XCU						MED EXP (Any one person)	$ 10,000
	X Blanket Contractual						PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER						GENERAL AGGREGATE	$ 2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER							$
B	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO			8100R722179	3/15/2022	3/15/2023	BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR						EACH OCCURRENCE	$ 3,000,000
	EXCESS LIAB CLAIMS-MADE			CUP0R722690	3/15/2022	3/15/2023	AGGREGATE	$ 3,000,000
	DED X RETENTION $ 10,000							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N		N/A				E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
C	Pollution Liability			FEIECC2771701	8/12/2021	8/12/2022	Limit	2,000,000
D	Equipment Floater			6605N313413	3/15/2022	3/15/2023	Limit	100,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Proof of Coverage*

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

ACORD 25 (2016/03)

Award #12 07/20/23 Supporting Documentation

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/06/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Brown & Brown of Florida, Inc. 1720 SE 16th Avenue, Suite 301 Ocala FL 34471	CONTACT NAME: Kandee Hagelstom PHONE (A/C, No, Ext): (352) 431-3117 FAX (A/C, No): E-MAIL ADDRESS: kandee.hagelston@bbrown.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Bridgefield Casualty Insurance Company	10335
INSURED Jax Dirtworks, Inc. 310 Mealy Dr Atlantic Beach FL 32233	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** 22/23 WC **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	☐ OTHER							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		19654499	02/12/2022	02/12/2023	☒ PER STATUTE ☐ OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

SAMPLE COPY FOR BIDDING PURPOSES

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

BID AFFIDAVIT

ATTACHMENT B

PROJECT: SEATON CREEK RESERVE – MASTER LIFT STATION UPSIZING & 16" WATER MAIN DISTRIBUTION

FOR: LENNAR HOMES, LLC AND JEA

****

At the time the proposal is submitted, the Bidder shall attach to his Bid a sworn statement.

This sworn statement shall be an affidavit in the following form, executed by an officer of the firm, association, or corporation submitting the proposal, and shall be sworn to before a person who is authorized by law to administer oaths.

****

STATE OF FL

COUNTY OF DUVAL

Before me, the Undersigned authority, personally appeared Jennifer Holderman who being duly sworn, deposes and says he/she is CEO (Title) of SIX DIRTWORKS (Firm)

the Bidder submitting the attached proposal for the work covered by the Documents in the Project Manual for Seaton Creek Reserve - JEA Mstr. Lift Station Upsizing and 16" Water Main

The affiant further states that no more than one proposal for the above-referenced project will be submitted from the individual, his firm or corporation under the same or different name, and that such Bidder has no financial interest in the firm of another bidder for the same work. That he, his firm, association or corporation has neither directly, nor indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this firm's Bid on the above-described project.

Sworn and Subscribed to me this 6th day of October, 2022.

By: SIX DIRTWORKS (Bidder) Ben Taylor, Estimator (Title)

Notary Public: K Bauman

My Commission Expires: 10/29/2024

KATHERINE BACHMAN NOTARY PUBLIC STATE OF FLORIDA No. HH 58645 My Comm. Expires 10/29/2024

END "ATTACHMENT B"

Award #12 07/20/23 Supporting Documentation

ATTACHMENT C
ADDENDA ACKNOWLEDGMENT:

Bidder acknowledges receipt of the following addendum:

Addendum No. n/a Date: n/a Acknowledged by: n/a

Addendum No. _____ Date: _____ Acknowledged by: _____

Addendum No. _____ Date: _____ Acknowledged by: _____

Addendum No. _____ Date: _____ Acknowledged by: _____

President

Jax Diturbo, Inc.
Name of Bidder

Secretary

Estimator
Signature and Title

Treasurer

904.746-7320
Business Telephone

904.683.3124
Emergency Telephone

If Corporation, affix Corporate Seal

310 Mealy Drive Atlantic Beach
Business Address

CGC1524338
CUC122532
License No.

Florida, 32233
State and Zip Code

ATTACHMENT D
LIST OF PROPOSED SUBCONTRACTORS & SUPPLIERS

List shall include the name of each Subcontractor or Suppliers.

Indicate percentage of Contract Price for each subcontractor listed. Attach additional information as needed.

Subcontractor No. 1

Name:PBM Constructors, Inc.

Description of Work:Installation of Lift Station

Percent of Contract Price: 57%

Previous Experience Together:2 years

Subcontractor No. 2

Name:Ferguson Waterworks

Description of Work:Pipe Supplier

Percent of Contract Price:11%

Previous Experience Together:10+ years

Subcontractor No. 3

Name:Oldcastle Infrastructure

Description of Work:Precast Supplier

Percent of Contract Price:3%

Previous Experience Together: 5 years

Subcontractor No. 4

Name:

Description of Work:

Percent of Contract Price:

Previous Experience Together:

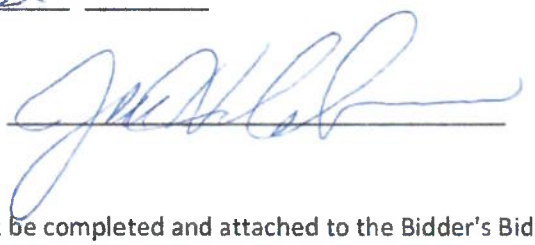
ATTACHMENT E

CERTIFICATE OF COMPLIANCE WITH FLORIDA TRENCH SAFETY ACT

Bidder acknowledges that he is solely responsible for complying with the Florida Trench Safety Act (ACT) and Occupational Safety and Health Administrations excavation safety standard 29 CFR 1926.650 (Subpart P as amended). Bidder further acknowledges that included in the various items of the proposal and in the Total Aggregate Lump Sum Bid Price are costs for complying with the Florida Trench Safety Act (90-96, Laws of Florida) effective October 1, 1990 and the Occupational Safety and Health Administrations excavation safety standard.

Bidder: Jax Dirtworks, Inc._____

Date: 10/6/22 _____

Authorized Signature: 

NOTE: This form must be completed and attached to the Bidder's Bid Proposal

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE UNDERGROUND UTILITY & EXCAVATION CO HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

HOLDEMAN, JENNIFER MARY

JAX DIRTWORKS INC.
310 MEALY DR
ATLANTIC BEACH FL 32233

LICENSE NUMBER: CUC1225320

EXPIRATION DATE: AUGUST 31, 2024

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

HOLDEMAN, JENNIFER MARY

JAX DIRTWORKS INC.
310 MEALY DR
ATLANTIC BEACH FL 32233

LICENSE NUMBER: CGC1524338

EXPIRATION DATE: AUGUST 31, 2024

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

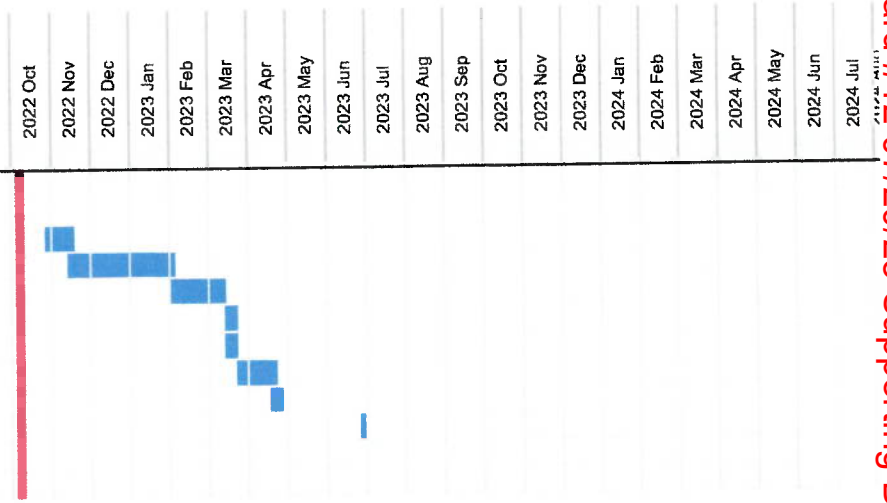
Seaton Creek

Jax Dirtworks, Inc.

Preliminary Schedule

Project Start Date: 10/31/2022 (Monday)
Today's Date: 10/7/2022 (Friday)

WBS	Task	Lead	Start	End	Work Days	% Done	Cal Days	Days Done	Days Left	Color
	Seaton Creek Master LS									
1					0	0%	0	0	0	g
1.1	Submittals (Total Turn-around)		Mon 10/31/22	Tue 11/15/22	5.00	0%	16	0	16	
1.2	Wet well Production		Tue 11/15/22	Wed 2/01/23	57.00	0%	79	0	79	
1.3	Lift Station Installation		Thu 2/02/23	Fri 3/10/23	27.00	0%	37	0	37	
1.4	Forcemain Installation		Mon 3/13/23	Mon 3/20/23	6.00	0%	8	0	8	
1.5	Sanitary Sewer Installation		Mon 3/13/23	Mon 3/20/23	6.00	0%	8	0	8	
1.5	Water Main Installation		Tue 3/21/23	Tue 4/18/23	21.00	0%	29	0	0	
1.6	Lift Station Start-up		Wed 4/19/23	Fri 4/21/23	3.00	0%	3	0	3	
1.7	Close-out and As-builts		Fri 6/30/23	Fri 6/30/23	1.00	0%	1	0	1	
1.8					0.00	0%	0	0	0	
1.9					0.00	0%	0	0	0	



Award #12 07/20/23 Supporting Documentation

AIA® Document G702™ – 1992

Continuation Sheet

AIA Document, G702-1992, Application and Certification for Payment, or G736-2009, Project Application and Project Certificate for Payment, Construction Manager as Adviser Edition, containing Contractor's signed certification is attached. In tabulations below, amounts are in US dollars. Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO:	
APPLICATION DATE:	
PERIOD TO:	
ARCHITECT'S PROJECT NO:	0

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G / C)	BALANCE TO FINISH (C-G)	RETAINAGE (IF VARIABLE RATE)
			FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD					
001	Mobilization	$ 68,888.00	$ -	$ -		$0.00	0%	$ 68,888.00	$ -
002	Layout & Testing	$ 100,620.00	$ -	$ -		$0.00	0%	$ 100,620.00	$ -
003	Erosion & Sediment Control	$ 14,650.00	$ -	$ -		$0.00	0%	$ 14,650.00	$ -
004	Water Main	$ 747,396.00	$ -	$ -		$0.00	0%	$ 747,396.00	$ -
005	Gravity Sewer	$ 64,069.00	$ -	$ -		$0.00	0%	$ 64,069.00	$ -
006	Forcemain	$ 135,786.00	$ -	$ -		$0.00	0%	$ 135,786.00	$ -
007	Class 2 Lift Station	$ 1,372,746.00	$ -	$ -		$0.00	0%	$ 1,372,746.00	$ -
008		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
009		$ -	$ -			$0.00	#DIV/0!	$ -	$ -
010		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
011		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
012		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
013		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
014		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
015		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
	GRAND TOTAL	$ 2,504,155.00	$ -	$ -	$ -	$0.00	0%	$ 2,504,155.00	$ -

AIA® Document G702™ – 1992

Continuation Sheet

AIA Document, G702-1992, Application and Certification for Payment, or G736-2009, Project Application and Project Certificate for Payment, Construction Manager as Adviser Edition, containing Contractor's signed certification is attached. In tabulations below, amounts are in US dollars. Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO:	
APPLICATION DATE:	
PERIOD TO:	
ARCHITECT'S PROJECT NO:	0

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G / C)	BALANCE TO FINISH (C-G)	RETAINAGE (IF VARIABLE RATE)
			FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD					
001	Mobilization	$ 114,852.00	$ -	$ -		$0.00	0%	$ 114,852.00	$ -
002	Layout & Testing	$ 100,620.00	$ -	$ -		$0.00	0%	$ 100,620.00	$ -
003	Erosion & Sediment Control	$ 14,650.00	$ -	$ -		$0.00	0%	$ 14,650.00	$ -
004	Water Main	$ 747,396.00	$ -	$ -		$0.00	0%	$ 747,396.00	$ -
005	Gravity Sewer	$ 64,069.00	$ -	$ -		$0.00	0%	$ 64,069.00	$ -
006	Forcemain	$ 135,786.00	$ -	$ -		$0.00	0%	$ 135,786.00	$ -
007	Class 3 Lift Station	$ 3,271,379.00	$ -	$ -		$0.00	0%	$ 3,271,379.00	$ -
008		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
009		$ -	$ -			$0.00	#DIV/0!	$ -	$ -
010		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
011		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
012		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
013		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
014		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
015		$ -	$ -	$ -		$0.00	#DIV/0!	$ -	$ -
	GRAND TOTAL	$ 4,448,752.00	$ -	$ -	$ -	$0.00	0%	$ 4,448,752.00	$ -

Award #12 07/20/23 Supporting Documentation

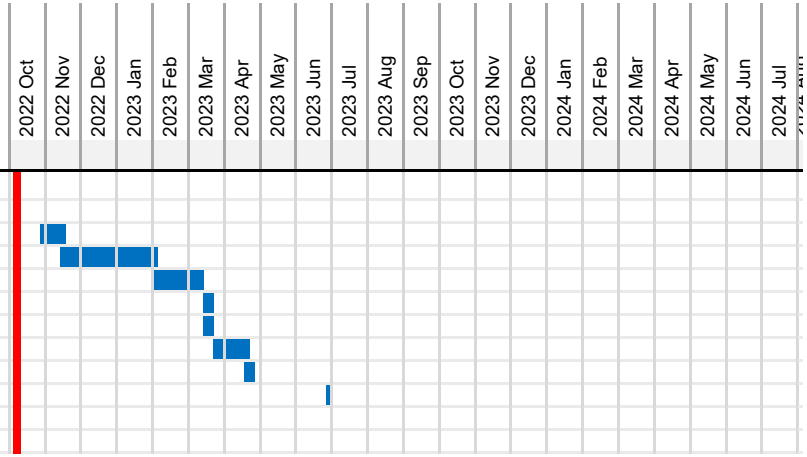
Seaton Creek

Preliminary Schedule

Jax Dirtworks, Inc.

Project Start Date: 10/31/2022 (Monday)
Today's Date: 10/7/2022 (Friday)

WBS	Task	Lead	Start	End	Work Days	% Done	Cal Days	Days Done	Days Left	Color
	Seaton Creek Master LS									
1					0	0%	0	0	0	g
1.1	Submittals (Total Turn-around)		Mon 10/31/22	Tue 11/15/22	5.00	0%	16	0	16	
1.2	Wet well Production		Tue 11/15/22	Wed 2/01/23	57.00	0%	79	0	79	
1.3	Lift Station Installation		Thu 2/02/23	Fri 3/10/23	27.00	0%	37	0	37	
1.4	Forcemain Installation		Mon 3/13/23	Mon 3/20/23	6.00	0%	8	0	8	
1.5	Sanitary Sewer Installation		Mon 3/13/23	Mon 3/20/23	6.00	0%	8	0	8	
1.5	Water Main Installation		Tue 3/21/23	Tue 4/18/23	21.00	0%	29	0	0	
1.6	Lift Station Start-up		Wed 4/19/23	Fri 4/21/23	3.00	0%	3	0	3	
1.7	Close-out and As-builts		Fri 6/30/23	Fri 6/30/23	1.00	0%	1	0	1	
1.8					0.00	0%	0	0	0	
1.9					0.00	0%	0	0	0	



Award #12 07/20/23 Supporting Documentation

LENNAR HOMES, LLC
SEATON CREEK
Master Lift Station Upsizing and 16" Water Main
Bid Comparison
10/11/2022

STANDARD CLASS II LIFT STATION

#	DESCRIPTION	JAX DIRT WORKS	AJ JOHNS	PETTICOAT	JEA
1	Mobilization & GC	$ 32,152.00	$ 119,483.27	$ 150,000.00	
2	Erosion Control	$ 14,650.00	$ 26,339.59	$ 50,000.00	
3	Class II Lift Station	$ 1,709,957.00	$ 1,628,114.41	$ 1,620,000.00	
	SUBTOTAL	**$ 1,756,759.00**	**$ 1,773,937.27**	**$ 1,820,000.00**	**$ 3,182,062.00**

UPSIZED CLASS III LIFT STATION

#	DESCRIPTION	JAX DIRT WORKS	AJ JOHNS	PETTICOAT	JEA
1	Mobilization & GC	$ 192,022.00	$ 119,483.27	$ 225,000.00	
2	Erosion Control	$ 14,650.00	$ 26,339.59	$ 85,000.00	
3	Class III Lift Station	$ 3,494,654.00	$ 3,927,663.07	$ 3,833,240.00	
4	Payment & Performance Bond	$ 93,423.00	$ 43,663.71	$ 58,000.00	
	SUBTOTAL	**$ 3,794,749.00**	**$ 4,117,149.64**	**$ 4,201,240.00**	**$ 5,214,523.00**
		$ 2,037,990.00	$ 2,343,212.37	$ 2,381,240.00	$ 2,032,461.00

16" WATER MAIN DISTRIBUTION

#	DESCRIPTION	JAX DIRT WORKS	AJ JOHNS	PETTICOAT	JEA
1	16" Water Main Distribution	$ 688,229.00	$ 953,322.44	$ 942,450.00	
2	Water Main Services & Connections	$ 59,167.00	$ 100,995.17	$ 116,250.00	
3	Payment & Performance Bond	incl above	$ 13,160.05	incl above	
	SUBTOTAL	**$ 747,396.00**	**$ 1,067,477.66**	**$ 1,058,700.00**	**$ 1,318,790.00**

JEA COST PARTICIPATION AMOUNT	JAX DIRT WORKS	AJ JOHNS	PETTICOAT	JEA
Difference between standard & upsized	$ 2,037,990.00	$ 2,343,212.37	$ 2,381,240.00	$ 2,032,461.00
Water Main Distribution 44% Flat Rate Reimbursement	$ 302,820.76	$ 419,461.87	$ 414,678.00	$ 580,267.60
TOTAL JEA REIMBURSABLE	**$ 2,340,810.76**	**$ 2,762,674.24**	**$ 2,795,918.00**	**$ 2,612,728.60**

LENNAR TOTAL CONTRACT AMOUNT		JAX DIRT WORKS	AJ JOHNS	PETTICOAT
1	Mobilization & GC	$ 192,022.00	$ 119,483.27	$ 225,000.00
2	Erosion Control	$ 14,650.00	$ 26,339.59	$ 85,000.00
3	Class III Lift Station	$ 3,494,654.00	$ 3,927,663.07	$ 3,833,240.00
4	Payment & Performance Bond	$ 93,423.00	$ 56,823.76	$ 58,000.00
5	16" Water Main Distribution	$ 688,229.00	$ 953,322.44	$ 942,450.00
6	Water Main Services & Connections	$ 93,423.00	$ 100,995.17	$ 116,250.00
	TOTAL LENNAR CONTRACT	**$ 4,576,401.00**	**$ 5,184,627.30**	**$ 5,259,940.00**

LENNAR TOTAL EXPOSURE AFTER REIMBURSEMENT $ 2,235,590.24

2760 feet of 16" water main

Upgrade a Class II lift station to a Class III lift station

$	302,820.76	water
$	2,037,990.00	sewer

1411026646 Lead and Copper Rule Revisions (LCRR) Development and Implementation Program

Vendor Rankings	Kyle Schoettler	Kim Neumann	Jaclyn Vu	Σ Rank	Rank
CDM Smith Inc.	2	1	1	4	1
Arcadis U.S.; Inc.	1	2	2	5	2

Kyle Schoettler	Professional Staff Experience (20 Points)	Design Approach and Work Plan (40 Points)	Company Experience (40 Points)	Total	Rank
Arcadis U.S.; Inc.	13	40	36	89.00	1
CDM Smith Inc.	16	37	33	86.00	2

Kim Neumann	Professional Staff Experience (20 Points)	Design Approach and Work Plan (40 Points)	Company Experience (40 Points)	Total	Rank
Arcadis U.S.; Inc.	15.8	31	28	74.80	2
CDM Smith Inc.	17.6	34	37	88.60	1

Jaclyn Vu	Professional Staff Experience (20 Points)	Design Approach and Work Plan (40 Points)	Company Experience (40 Points)	Total	Rank
Arcadis U.S.; Inc.	16.8	35	39	90.80	2
CDM Smith Inc.	18	38	38	94.00	1

Overall Averages	Professional Staff Experience (20 Points)	Design Approach and Work Plan (40 Points)	Company Experience (40 Points)	Total
Arcadis U.S.; Inc.	15.20	35.33	34.33	84.87
CDM Smith Inc.	17.20	36.33	36.00	89.53

TASK ORDER NO. 1

FOR
LEAD AND COPPER RULE REVISIONS (LCRR) DEVELOPMENT AND IMPLEMENTATION PROGRAM
May 8, 2023

This Task Order, when executed, shall be incorporated in, and become Task Order No. 1 as part of the Contract (RFP Solicitation No. 1411026646) between JEA (OWNER), and CDM Smith Inc. (CONSULTANT), dated May _____, 2023.

PROJECT BACKGROUND

The US Environmental Protection Agency (EPA) has finalized short term actions under the new Lead and Copper Rule Revisions (LCRR) (40 CFR Part 141 Subpart I) that will require water utilities to meet regulations and protect public health by the revised compliance deadline of October 16, 2024. The LCRR requires drinking water systems to monitor drinking water at customer taps and if action levels are exceeded, the drinking water system must undertake additional actions to control corrosion, inform the public, and replace lead service lines and galvanized pipes which have or have had lead pipe installed upstream. Additional guidance is expected prior to October 2024, the compliance date for the service line material (SLM) Inventory.

OWNER is seeking support from CONSULTANT to assist in the development and implementation of the lead service line (LSL) database inventory and LSL Replacement program (LSLRP), program management, sampling and regulatory coordination, rule interpretation and overall compliance support with the requirements of the LCRR for OWNER's system that includes more than 400,000 water services connections (Project).

WORK PLAN SUMMARY

Under this Task Order, CONSULTANT will provide OWNER with a LCRR Development and Implementation Program. The primary activities of this authorization will include:

1. SLM Inventory Development and Verification of Unknowns
2. Develop LSLRP Plan
3. Assist OWNER with Compliance Sampling Requirements
4. Public Education and Outreach Assistance
5. Program and Quality Management, Technical Implementation and Support
6. Assist OWNER with necessary modifications required by the Lead and Copper Rule Improvements

The scope of work below describes each of the above activities in more detail and defines the professional services to be provided, schedule development, and fee estimate for the Project.

SCOPE OF WORK

Services to be provided by CONSULTANT under this Task Order are as follows:

TASK 1 – SLM INVENTORY DEVELOPMENT AND VERIFICATION OF UNKNOWNS

CONSULTANT's SLM Inventory Team will work with the OWNER's GIS, planning, regulatory, and drinking water operations groups to develop a SLM Inventory that meets the LCRR requirements and identifies possible LSLs and unknown service lines. CONSULTANT will develop the service line inventory and implement a cloud-based management software to track inventory development, and develop strategies for identifying unknowns.

Subtask 1.1 – Kick-Off Meeting

CONSULTANT will lead the Project Kick-Off with OWNER's staff and will present a work strategy that addresses the expectations of the Project, lines of communications, project stakeholders, goals, critical issues, coordination of activities, and schedule. As part of the kick-off, CONSULTANT will discuss the general requirements of LCRR and a roadmap for implementing the program. Items to be discussed include development of the SLM inventory and review of existing information/records by OWNER, the proposed leadCAST data management platform, compliance and sampling, development of the LSLR Program for OWNER, data management, public education and outreach, state regulatory coordination, unknowns and general funding.

CONSULTANT will undertake internal and external coordination for the meeting as well as prepare and submit the meeting agenda and draft meeting minutes. Final meeting minutes will be distributed to OWNER following resolution of any outstanding questions or action items from the kick-off meeting.

Subtask 1.2 – Develop Initial SLM Inventory

- CONSULTANT will submit a request for data, including those required by the EPA's Inventory Guidance manual. CONSULTANT will perform an initial desktop study to collect and digitize the existing water systems data. The following information will be used to compile the initial inventory:
- Tap records/service cards
- Inspection/repair records in Computerized Maintenance Management System (CMMS)
- Meter installation/billing account info in Customer Care and Billing (CC&B)
- Previous materials evaluation
- Records on service connections and mains (GIS)
- Capital improvement projects, master plans, main replacement programs
- Water main distribution maps, drawings as-builts
- Water system's history, standard operating procedures, specifications, procurement documents

- Interviews with operators/institutional knowledge
- Tax assessors database for each county
- Historic construction and plumbing codes
- Construction records at state or county offices
- Plumbing permits at city or county offices

After a review of existing sources, the data will be geocoded, linked and incorporated into a compiled database. CONSULTANT will prepare a technical memorandum (TM) documenting the development of the initial SLM Inventory including sources used, assumptions made, information hierarchy, the current assessment of lead, galvanized, and non-lead service lines and the remaining unknowns. This task includes two virtual meetings with OWNER's staff to discuss the available data sources and ask questions on compiled materials received. Additionally, a call will be scheduled to review the SLM Inventory TM with the OWNER. Meeting minutes of summary and action items will be distributed to the OWNER.

Subtask 1.3 –Create and Implement a Data Management System

CONSULTANT will implement leadCAST software, which is a cloud-based suite of innovative desktop and mobile workflow and analytics software, which integrates GIS, field-collected data, construction records, system maintenance, and water quality information in a single environment. The leadCAST software will be used to assist OWNER in LCRR Compliance. As part of this task, CONSULTANT will provide a 5-year subscription to leadCAST plus Tier 3, leadCAST Predict, and the Compliance Connector, which will be used to manage the inventory and sample tracking and will include the following:

- A 5-year subscription to leadCAST plus Tier 3, which includes 50 users (by OWNER and third parties).
- Access to the leadCAST cloud-based platform, including inventory dashboard and map, field validation/tracking module, customer self-reporting portal, public facing map, replacement tracking information, and data sharing with stakeholders.
- Standard leadCAST Implementation, including creation of the OWNER's unique instance of leadCAST, as well as incorporation of existing information on material of private and public sides, as well as associated background information such as properties, buildings, etc., which will serve as a spatial reference for users of the leadCAST application.
- A 5-year subscription to leadCAST Predict which provides predictive modeling (i.e., predictive analysis) that will be run through leadCAST with dashboards showing both verified and predicted service line materials.
- The ability to import lead and copper water quality testing results into leadCAST and visualization of the testing results in leadCAST.

- A 3-year subscription to leadCAST Compliance Connector, which includes access to SimpleLab's drop ship sampling and sampling management and workflows. The subscription will start in 2025.

CONSULTANT will leverage OWNER's existing business systems to build a centralized data repository accessible through various endpoints depending on the user's needs. In addition to the standard leadCAST implementation, below are the additional implementation options available

- Single sign-on integration with Microsoft
- Continuous 2-way data exchange/integration between GIS and leadCAST
- Continuous 2-way data exchange/integration with JEA's CMMS or GIS mobile field collection
- Custom dashboards for public outreach
- Integration with a construction management tool
- LIMs integration/Sampling program integration

This task will include a workshop to demonstrate and present leadCAST platform and usage with OWNER's GIS and business systems. Additionally, CONSULTANT will provide a one-day training, which will have a virtual component for remote participation, to OWNER's staff for utilizing leadCAST, uploading, revisiting and maintaining the application as well as the on-going management of the software including training manuals. Under this task, additional training, support services, and/or help documentation will also be provided for future modifications and upgrades to the leadCAST platform are performed by the CONSULTANT.

The quote from CONSULTANT's wholly-owned subsidiary (Trinnex) is included as **Attachment A**.

Subtask 1.4 –Develop Strategies for Identifying Unknowns

CONSULTANT will use the EPA's stepwise method to guide the development of the strategy for identifying unknown service lines. This method will allow our team to be efficient and provide cost-effective solutions while also minimizing disruptions to customers.

The purpose of this task is to identify the data gaps from the historical document review of Task 1.1 and make recommendations for further investigation, such as physical verification locations and methods to support leadCAST 's machine learning predictions.

Based on the initial inventory developed in Task 1.1, CONSULTANT will provide a draft TM with a recommended verification work plan. CONSULTANT will meet with OWNER to review this draft TM and discuss the recommended approach. CONSULTANT will lead discussion with Florida Department of Environmental Protection (FDEP) prior to proceeding with the verification steps to confirm FDEP will accept the selected verification methods. OWNER's comments and input from FDEP on the draft TM will be incorporated into a final TM which will be the basis of the verification plan.

To recommend verification strategies, CONSULTANT will evaluate best practices for FDEP-approved interior and exterior verification methods and emerging methods. This will include specific strategies and will consider cost and accuracy of verification method, complementary planned capital work (i.e., water main projects), complementary planned operations and maintenance (O&M) work (periodic meter testing), and verifications required for the confirmation of assumptions.

The following verifications are low-cost and low-effort methods that are recommended and are currently included in this Task Order:

- **Customer Surveys** – Will be sent to a percentage of the unknowns to communicate with the customers and obtain crawl space/interior information on private side service lines. The survey is through leadCAST's customer portal. The survey will be advertised online and postcards or bill stuffers can be distributed to advertise the survey. It is assumed that up to 8,000 customers will respond to the survey. The surveys and accompanying photos will be reviewed by CONSULTANT. If the inspection is acceptable, it will be noted as "verified" in the inventory. If additional information is required from the customer, CONSULTANT will communicate with the customer to request the additional information. If the material cannot be determined, the service will remain unverified.

- **Inspections with On-going Work** – leadCAST's mobile application will be used by OWNER's staff and contractors when performing work on the distribution system. Inspections will be reported through leadCAST and CONSULTANT will provide QA/QC of the inspection reports and photos. For the purposes of this scope, it is assumed that up to 2,000 inspections will be performed by OWNER staff/contractors and reviewed by CONSULTANT. Field inspections will be completed using OWNER's workorder management system and submitted to CONSULTANT for input into leadCAST.

Approximately 2,000 additional exterior verifications will be required on both the utility and private side for the initial machine learning runs. LeadCAST Predict will run the Inspection Optimizer to determine the best locations for the exterior verifications that will yield the most useful information for the model. Additional verifications may be required to obtain an acceptable level of accuracy in the model for predicting non-lead service lines. This is not able to be determined until after the initial verifications and model run.

Based on the results of the initial inventory development in Subtask 1.2, the following methods will be considered in the work plan for additional physical verifications but cannot be determined at this time regarding exact type and quantity required. The recommended methods and costs will be provided in the verification work plan as part of this task.

- **Field Inspections without Digging** – Subtask 1.4 will include an evaluation of the latest development of field inspections without digging. This includes a technology from Mueller which uses sound waves to detect pipe materials without digging. The initial results from testing are promising and Mueller expects the equipment to be available for purchase by mid-2023. Another alternative is to utilize CCTV inspections or electro-probe inspections which require removing the meter and inserting the camera or probe into the service line. Each of

these methods must be piloted in the OWNER's system before using them as some methods do not work with certain piping configurations.

- **Field Inspections with Digging** – If the field inspections without digging are not approved by FDEP or if the technology is not effective in OWNER's system, vacuum excavations will be used to obtain the necessary information which can be used on both sides of the line.

The information from the records, surveys and field inspections will be incorporated into the machine learning model, leadCAST Predict, which uses this information to build a "test set" which can evaluate how accurate the model is. Once a system can achieve a confidence level of at least 95% and an acceptable accuracy, CONSULTANT believes service lines with a less than 10% likelihood of being lead can be classified as "non-lead" without further physical verification. CONSULTANT will meet with FDEP to discuss this approach. If classifying pipes as "non-lead" using machine learning is not approved by FDEP, it is still a useful tool for prioritizing areas with higher likelihood of lead.

TASK 2 – DEVELOP LEAD SERVICE LINE REPLACEMENT PROGRAM (LSLRP) PLAN

Under this task, CONSULTANT will develop a LSLRP Plan to meet the October 16, 2024 LCRR deadline.

CONSULTANT will develop the following:

- Provide OWNER with a worksheet to conceptualize a LSLRP Plan for internal discussions related to costs, approaches, and responsibilities for implementation.
- Develop standard operating procedures (SOPs) for identification and recording of materials and disturbances and replacements related to LSLs, galvanized requiring replacement (GRRs), and unknowns for OWNER staff to follow.
- Facilitate one workshop at OWNER's offices and one virtual workshop with OWNER to assist in defining the concept, details, and communication strategies of the LSLRP Plan.

CONSULTANT will prepare a written LSLRP Plan to be reviewed by OWNER. After review and approval by OWNER the plan will be provided to FDEP. CONSULTANT will meet with OWNER, FDEP, and other state agencies to review any comments and/or answer questions. It is anticipated that the LSLRP will include the following:

- A summary of strategies developed for verifying unknown service lines.
- An LSL replacement prioritization strategy based on factors such as, but not limited to, areas with highest probability of LSLs, areas with high social vulnerability index scores, areas with ongoing water main replacement programs, areas with upcoming paving programs, areas with high density of children, etc.
- Procedures to conduct full LSL replacements for both the utility and customer sides.
- Identification of local requirements such as permitting and paving requirements.
- Funding strategies, including ways to assist with private-side replacements.

- Cost estimates for replacement of LSLs.
- Communication strategies for full LSL replacements to encourage homeowners to participate in any replacement program or to pay for their side to be replaced during utility-side replacement.
- A proposed annual replacement goal rate in the event of a lead trigger level exceedance.
- Information on flushing procedures, filter distribution, and post-replacement sampling.

TASK 3 – ASSIST OWNER WITH COMPLIANCE SAMPLING REQUIREMENTS

CONSULTANT will develop compliance sampling plans to meet requirements starting in October 2024 with the LCRR. This will include the following:

Subtask 3.1 – Sample Distribution and Tracking Management

CONSULTANT will review the current sampling pool and collection procedures against the inventory and flag any sampling locations that will not be in compliance with the new tier hierarchy. CONSULTANT will propose new sample locations to replace the current location which by end of October 2024 if LSLs exist in the system.

CONSULTANT will provide a sampling plan, as well as updated sampling instructions for OWNER to conduct sampling that complies with the LCRR requirements including 5th liter sampling at LSL locations.

Sampling tracking management will be conducted via leadCAST and will support OWNER with tracking sample results. Once the results are received, a workflow will automatically be initiated in CONSULTANT's data management system to make sure the required actions are taken by OWNER. Result notifications will be autogenerated and, after review by OWNER, will be sent to the customers electronically.

Subtask 3.2 – School and Daycare Sampling

CONSULTANT will perform the following tasks for school and daycare sampling:

- Schedule and lead a meeting with FDEP to discuss the anticipated school and daycare sampling requirements in Florida.
- Prepare a list of all schools and certified daycare facilities in the service area.
- Perform a gap analysis comparing the LCRR requirements with any local school sampling programs that are already active to identify opportunities for any waivers.
- Provide a summary of the gap analysis and school sampling plan in a memorandum to OWNER with the list of schools to sample, list of schools to provide public education to, a summary of the requirements, a sampling schedule and draft notification letters for various scenarios for OWNER's review.

- Prepare a written sampling guide for those that will be conducting the sampling, whether it is OWNER staff or school staff.
- Provide public education materials and final notification letters to OWNER using the EPA 3T recommendations (training, testing, and taking action).
- Reporting of sample results through leadCAST.

CONSULTANT will assist with identifying all elementary schools and daycare facilities that need to be sampled to meet the requirements. Included in the school sampling plan, we can discuss how to handle voluntary school sampling requests that may come from the middle and high schools included in the service area. Given the sensitivity of these programs, OWNER may experience public requests to test high schools that may be within the same districts as elementary and middle schools. The sampling plan will include communications templates, talking points, and public relations approaches to support these efforts. The plan will provide tools for all school and childcare facilities within the service area to prepare to handle public inquiries related to lead sampling at their locations. Once the results are available, the notifications will be autogenerated from leadCAST based on the templates approved by OWNER and can be sent by electronic mail or printed and sent by mail. CONSULTANT will participate in up to two virtual meetings with school officials and one webinar to train the school staff that will be conducting the sampling.

CONSULTANT will establish a pre-education program for the schools in the OWNER's distribution system on proper maintenance of drinking water fixtures in schools. This will start to address a primary cause of lead levels in school fixtures - lack of maintenance. CONSULTANT will develop educational items (i.e. flyers) for OWNER to distribute to schools ahead of the LCRR.

TASK 4 – PUBLIC EDUCATION AND OUTREACH ASSISTANCE

CONSULTANT will host a communications workshop geared toward aligning outreach objectives, establishing communication goals, and building the Communication Plan that will guide our team's work. The Communication Plan will be developed with input from OWNER's Project Outreach Team and reviewed and approved by OWNER's Project Outreach Team.

CONSULTANT will provide the following support related to public education and outreach:

- Develop a communication strategy for public education that includes key messages, recommended communication methods, review of local languages and demographics, communication schedule and milestones before, during and after the inventory process.
- Develop customer educational materials related to disturbances of LSL, GRRs, or unknown services compliant with the LCRR.
- Prepare educational and outreach materials regarding the SLM inventory and the LSLR program, which is anticipated to include:
    - Development of a postcard and bill insert to encourage residents to report their internal water service material.
    - Development of a webpage on OWNER"s existing website

- Develop scripts for technicians reviewing customer material survey responses.
- Provide scripts for FAQs for OWNER's customer service representatives to respond to customer questions on lead in drinking water, the SLM inventory program, and the LSLR program.
- Additional flyers, brochures and social media content as needed throughout the program (up to five additional 8.5-inch x 11-inch double sided flyers and brochures).
- Support to OWNER for up to two live community outreach events when appropriate.

CONSULTANT will be responsible for developing public educational print and electronic materials.

Deliverables:

- Public-Facing Map on OWNER's existing website
- Public Outreach Plan
- Outreach Materials for LSLRP
- Outreach materials for Inventory Tasks
- Notification Letter Templates
- Customer Education Materials for Disturbances
- Scripts for FAQs
- Flyers, Brochures, and social media content as needed throughout the program
- Live outreach events, up to two

TASK 5 – PROJECT AND QUALITY MANAGEMENT, TECHNICAL IMPLEMENTATION AND SUPPORT

Activities performed under this task consist of those general functions required to maintain the project on schedule, within budget, and that the quality of the work products defined within this Task Order is consistent with CONSULTANT's standards and OWNER's requirements. Following the issuance of the Notice to Proceed (NTP) from OWNER, CONSULTANT will perform a project planning and scope review meeting. Additionally, CONSULTANT maintains a Quality Management System (QMS) on all projects. CONSULTANT will perform technical specialist reviews on the TMs and review of the leadCAST platform, which have been included in this task. Technical Review internal comments will be addressed by CONSULTANT prior to moving forward with finalizing deliverable for the OWNER's review.

Under this Task, CONSULTANT assumes that a monthly status report in the form of a summary email will be provided to OWNER on the project status, progress and resolution of outstanding action items.

TASK 6 – ASSIST WITH NECESSARY MODIFICATIONS REQUIRED BY THE LEAD AND COPPER RULE IMPROVEMENTS

The EPA has announced that additional modifications of the LCRR are expected in late 2023 with the Lead and Copper Rule Improvements (LCRI). As part of this task, the CONSULTANT will evaluate the impact of the changes to the OWNER's program and prepare a TM summarizing the changes and potential impacts. CONSULTANT will meet with OWNER to discuss the technical memorandum and address comments in a final TM. Additional scope items resulting from the LCRI can be addressed under the allowance in Task 7.

TASK 7 – ADDITIONAL SERVICES ALLOWANCES

Under this task, CONSULTANT has included additional allowance in the amount of $118,950 to help support the OWNER with additional efforts associated with this Project. This task will be used "as-needed" for the work identified that requires CONSULTANT support. Activities will include and are not limited to:

- Additional engineering services as it relates to corrosion control treatment that may be requirement for the project.
- Additional field, sampling, data collection, and construction services required by the Project.
- Additional engineering services associated with and required as the LCRR requirements evolve.
- Additional leadCAST implementation and integration tasks.

ASSUMPTIONS

CONSULTANT has made the following assumptions during preparation of this Task Order:

1. OWNER shall provide CONSULTANT and CONSULTANT'S subconsultants with copies of or access to existing OWNER policies, procedures, guidelines, forms, etc. that relate to project delivery.
2. OWNER shall provide CONSULTANT with access to document management or information systems that OWNER expects CONSULTANT to use.
3. OWNER shall provide payment of any permit fees associated with the execution of this Task Order Scope of Services.
4. Under Subtask 1.2, CONSULTANT has assumed that OWNER has limited records available for scanning, digitizing and geocoding for incorporation into the inventory. At the time of this scope, the availability of records is not known. An allowance has been included for this task and the level of effort beyond this allowance will be evaluated after the paper records are identified.
5. CONSULTANT has assumed that the leadCAST platform will follow the same nomenclature currently used in the OWNER's database.

6. Schedule assumes 2 weeks (10 business days) for OWNER to review and provide feedback on all draft deliverables.

7. Corrosion control treatment modification is not included in the base scope of services. If lead service lines are located, it is recommended that OWNER perform 5th liter sampling to determine if additional study is required or recommended. CONSULTANT has assumed that efforts associated with corrosion control treatment shall be authorized by OWNER under Task 7 – Additional Services Allowances.

8. Sampling, engineering design, preparation of bid documents, construction management or inspection services is not included in the base scope of services. CONSULTANT has assumed that efforts associated with these additional project needs shall be authorized by OWNER under Task 7 – Additional Allowances Services and Modification to LCRR Requirements.

9. CONSULTANT has included in this task authorization the following features associated with Year 1 of leadCAST software services:

    a. Standard leadCAST implementation, including the creation of OWNER's unique instance of leadCAST, OWNER tenancy configuration, cloud instance deployment, authentication layer, user configuration, mobile application configuration, GIS data ingest, and IT collaboration/OWNER registration and introductory training.

    b. Additional leadCAST implementation, including

        i. Integration with OWNER's Azure Active Directory for SSO and use of Access Groups to define leadCAST roles

        ii. Continuous 2-way data exchange (API) between GIS/EAM and leadCAST

        iii. Integration with OWNER's GIS or CMMS mobile field connection

        iv. Custom dashboards for broader communications on the program's progress and status delivered from CAST API.

        v. Integration with OWNER's existing CMMS/PMIS

        vi. Integration with OWNER's sampling program and API connection to the client/lab's LIMS.

    c. Software subscription for leadCAST Plus and leadCAST Predict.

10. CONSULTANT has included in the Task Order the software subscription services for leadCAST Plus and leadCAST Predict for subscription Year 2, Year 3, Year 4 and Year 5.

11. CONSULTANT assumes that integration with a 3rd Party customer engagement technology for leadCAST implementation is not required.

12. CONSULTANT assumes that field verifications (Subtask 1.4) are based on field inspections (vacuum test holes) for up to 2,000 external verifications. It is assumed that CONSULTANT

will provide field oversight of approximately 250 days (8 test holes per day in the field) during external verifications in the field with procured vacuum excavation subcontractor.

13. CONSULTANT assumes 2-minute review times for the review of customer surveys and accompanying photos under Subtask 1.4.

14. CONSULTANT assumes 2-minute review times for the review of inspection reports and data with OWNER's on-going work in the field under Subtask 1.4.

15. CONSULTANT assumes that the Sampling Connector and drop-ship sampling kits will not be needed until 2025. Therefore, the cost of Sampling Connector and drop-ship sampling kits are not included in this Task Order and will be added under a separate future authorization.

16. Under Task 4, CONSULTANT shall develop the public education print and electric materials and assumes that OWNER will print all materials.

17. CONSULTANT assumes that the in-person training will have a virtual component for remote participation.

18. The communications plan under Subtask 3.2 will be directly applicable to all public and private elementary and middle schools and offered to public and private high schools.

19. CONSULTANT estimates up to $1,000,000 will be required for field investigations depending on the number and methods determined after subtask 1.2 is complete.

PROJECT SCHEDULE

It is anticipated that the work will take 456 days to complete, starting within 2 weeks of receipt of a formal notice to proceed (NTP). A task-based breakdown of schedule anticipated from the start (NTP) is shown in **Table 1** below. A more detailed Baseline Project Schedule will be submitted within 30 calendar days of NTP.

Table 1 – Project Schedule Durations by Task for LCRR Development and Implementation Program

Task and Description	Estimated Duration from Start to Finish
Task 1 – SLM Inventory Development and Verification of Unknowns	403 Days
Task 2 – Develop LSLRP Plan	280 Days*
Task 3 – Assist OWNER with Compliance Sampling Requirements	375 Days
Task 4 – Public Education and Outreach Assistance	330 Days
Task 5 – Project and Quality Management, Technical Implementation and Support	456 Days
Task 6 – Assist with Necessary Modifications Required by the Lead and Copper Rule Improvements	On-Going
Task 7 – Additional Services Allowances	On-Going

Note: The time associated with the leadCAST subscription is for 5 years (1,825 days) from initiation of subscription. The time reflected in Task 2 (280 days) is associated with the training workshop and general updates and support.

COMPENSATION AND PAYMENT

Compensation for these professional services described herein shall be made in accordance with the Contract between OWNER and CONSULTANT. The work described in Tasks 1 through 6 of this

Task Order will be completed as a not to exceed (NTE) basis in the amount of $2,109,270. A not-to-exceed allowance of $115,910 is established for Task 7 for Additional Allowances Services requested by OWNER. The lump-sum (LS) portion for the leadCAST Subscription (5-years) described under *Subtask 1.3* is $308,500. The grand total not to exceed amount of this Task Order is **$2,533,680**.

CONSULTANT will submit invoices monthly accompanied by written monthly status reports. CONSULTANT will invoice for hours incurred on the project at contractual hourly billing rates in accordance with the Contract plus subconsultant and direct costs. Subconsultant costs will be invoiced based on incurred cost plus 5 a percent markup in accordance with the Contract. For the lump sum portion on Data Management Services and the annual leadCAST subscription (*Subtask 1.3),* CONSULTANT shall submit monthly invoices based on the percentage of the work complete during the period of the invoice for implementation services and pus the software subscription. The software subscription shall be due within 30 days of every year's anniversary date from NTP.

For summary purposes only, the estimated Schedule of Values for this Task Order No. 1, is shown in **Table 2** and the cost summary for the Data Management System Services and leadCAST Subscription billing is shown in **Table 3**.

Table 2 - Schedule of Values

Task	Description	Value $
Task 1	SLM Inventory Development and Verification of Unknowns	
	Kick-Off and Develop SLM Inventory	$282,400
	Training Workshop for leadCAST and Support	$38,200
	leadCAST Year 1 Implementation Services (Priced as Option # 2)*	$215,000
	leadCAST Year 1 Subscription(LS)	$83,500
	leadCAST Year 2 Subscription (LS)	$67,250
	leadCAST Year 3 Subscription (LS)	$60,250
	leadCAST Year 4 Subscription (LS)	$52,250
	leadCAST Year 5 Subscription (LS)	$45,250
	Develop Strategies for Identifying Unknowns	$159,755
	Field Inspections with Vacuum Excavation	$977,800
Task 2	Develop LSLRP Plan	$66,980
Task 3	Assist OWNER with Compliance Sampling Requirements	$55,330
Task 4	Public Education and Outreach Assistance	$101,175
Task 5	Project and Quality Management, Technical Implementation and Support	$188,670
Task 6	Assist with Necessary Modifications Required by the Lead and Copper Rule Improvements	$23,960
	Subtotal (NTE)	$2,417,770
Task 7	Additional Services Allowances, NTE	$115,910
	GRAND TOTAL (NTE)	**$2,533,680**

***Note:** See attached quote (Attachment A) from Trinnex for details and options on software implementation services.

Table 3 – Cost Summary for Data Management System Services and leadCAST Subscription

Year	Software Subscription (Billed Once Annually)	Implementation Services (Billed Monthly as T&M)	Total (NTE)
Year 1	$83,500	$215,000	$298,500
Year 2	$67,250	-	$67,250
Year 3	$60,250	-	$60,250
Year 4	$52,250	-	$52,250
Year 5	$45,250	-	$45,250
Grand Total (LS)	**$308,500**	**$215,000**	**$523,500**

Award #14 07/20/23 Supporting Documentation

Appendix B - Bid Forms
1411251846 Purchase and Installation of Generators for JEA Lift Stations – FY 24

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

Company Name: Zabatt Engine Services, Inc.

Company's Address: 4612 Highway Avenue, Jacksonville, FL 32254

License Number: EC13007198

Phone Number: 904-384-4505 FAX No: 904-394-7446 Email Address: bids@zabatt.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 1411251846	TOTAL BID PRICE
Total Bid Price for the Project (enter total from cell N24 in the Bid Workbook)	$ 4,450,126.32

☑ **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 — Date: 7/5/2023

Sandra M. Sabatier - Secretary
Printed Name and Title

Appendix B - Bid Forms
1411251846 Purchase and Installation of Generators for JEA Lift Stations – FY 24

Subcontractor Form

JEA Solicitation Number 1411251846 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.

Construction Contractor	Zabatt	Jeremy Siegel 904-962-5307 Jeremy.siegel@zabatt.com	4612 Highway Avenue Jacksonville, FL 32254
Electrical Contractor	Zabatt	Paul Abernathy 904-522-3256 Paul.abernathy@zabatt.com	4612 Highway Avenue Jacksonville, FL 32254
Mechanical Contractor	HG Concrete dba Concrete Advantage	Tom Hanson 904-813-4338 concreteadvantage@comcast.net	806 Talleyrand Avenue Jacksonville, FL 32254
Mechanical Contractor	Total Comfort Solutions	Keith Parker 904-545-8920	4801 Executive Park Ct., Bldg 200, Ste 203, Jacksonville, FL
Crane	Sims Crane & Equipment	Malloy Baker 813-777-2540 malloy.baker@simscrane.com	12849-1 Philips Highway Jacksonville, FL 32256
Rigging	All South Rigging, Inc.	Tom Brauer 904-563-4338 tom@allsouthrigging.com	64 Sleepy Hollow Road Middleburg, FL 32068

Award #14 07/20/23 Supporting Documentation

1411251846 Appendix B - Bid Workbook
Purchase and Installation of Generators for JEA Lift Stations - FY24
(Only complete the prices in yellow cells)

Company Name: **Zabatt Power Systems**

Item Number	Proposed Generator Locations	New Generator Size	Voltage	Asset ID/ Location Number	Equipment Only			All other items*	Lead Time (Weeks)	Bid Price per Location	Traded-In Values	Total Price per Location
					Generator	ATS	Fuel Tank					
Replacement Generators - Water												
001	102 Kernan Blvd	200	480	Admin	$151,322.76	$10,700.00	$32,196.33	$138,444.23	76	$332,663.32		$332,663.32
002	4831 Greenland Rd	150	240	South Grid	$95,523.73	$18,140.00	$20,324.20	$87,394.05	76	$221,381.98		$221,381.98
003	210 Hollybrook Ave	500	480	North Grid	$152,195.95	$73,475.00	$33,381.82	$143,541.82	76	$402,594.59		$402,594.59
004	6123 Green Pond Dr	125	480	St Johns	$94,976.84	$17,190.00	$20,207.84	$86,893.71	76	$219,268.39		$219,268.39
005	6350 Ginnie Springs Rd	125	480	St Johns	$96,431.42	N/A	$20,517.32	$88,224.49	76	$205,173.23		$205,173.23
006	7823 Baymeadows Rd	250	480	South Grid	$123,492.67	$17,220.00	$26,510.73	$113,996.12	76	$281,219.52		$281,219.52
007	7703 Blanding Blvd	200	480	West Grid	$111,416.98	N/A	$24,242.41	$104,242.35	76	$239,901.74		$239,901.74
008	648 Flora Branch Blvd	300	480	WTP	$160,756.43	$68,760.00	$34,442.60	$148,103.16	76	$412,062.19		$412,062.19
009	14491 Duval Rd	250	480	North Grid	$137,884.90	$42,255.00	$29,572.90	$127,163.48	76	$336,876.28		$336,876.28
010	96170 Piedmont Dr	500	480	WTP	$187,352.49	$74,290.00	$40,873.91	$175,757.82	76	$478,274.22		$478,274.22
011	3428 County Rd 210 W	90	240	St Johns	$90,363.12	$36,700.00	$19,226.20	$82,672.64	76	$228,961.96		$228,961.96
Replacement Generators - Electric												
012	6674 Commonwealth Ave	200	480	Admin	$180,112.39	$43,565.00	$38,321.78	$164,783.68	76	$426,782.85		$426,782.85
Resiliency Generators - New												
013	2894 Phyllis St	150	240	South Grid	$95,604.58	$18,045.00	$20,341.40	$87,468.02	76	$221,459.00	N/A	$221,459.00
014	5689 Marathon Pkwy	100	480	West Grid	$98,220.68	$18,290.00	$20,898.02	$89,861.48	76	$227,270.18	N/A	$227,270.18
015	10320 Fortune Pkwy	100	480	West Grid	$93,537.93	$17,220.00	$19,901.69	$85,577.25	76	$216,236.87	N/A	$216,236.87
				SUBTOTALS:	$1,869,192.87	$455,850.00	$400,959.15	$1,724,124.30			$0.00	

Total Bid Price (transfer total to Page 1 Appendix B - Bid Form): $4,450,126.32

NOTE:
*All other items include, but not limited to:
1) bid unit as indicated on bid workbook
2) generators can be increased in size due to current load, no unit will be down sized.
3) design and layout
4) all labor
5) contract and project management
6) all required permits
7) site work (i.e., excavations, piping installations, all necessary wiring, concrete pad)
8) electrical work, if needed (i.e., breaker, disconnect and service entrance)
9) site shall be restored to original condition
10) all units shall have SCADA interface box except for #12 at Commonwealth Ave
11) TDS will be required for all units above 500 kW per JEA Standards.

Award #14 07/20/23 Supporting Documentation

Appendix B - Bid Forms
1411251846 Purchase and Installation of Generators for JEA Lift Stations – FY 24

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

Company Name: ACF Standby Systems, LLC

Company's Address: 9311 Solar Drive, Tampa, Fl 33619

License Number: 26-1240400

Phone Number: 321-355-8584 FAX No: _____ Email Address: j.pederson@acfpower.com

BID SECURITY REQUIREMENTS	TERM OF CONTRACT
☐ None required ☒ Certified Check or Bond (Five Percent (5%)	☐ One Time Purchase ☐ Annual Requirements ☒ Other, Specify - Project Completion
SAMPLE REQUIREMENTS	**SECTION 255.05, FLORIDA STATUTES CONTRACT BOND**
☒ None required ☐ Samples required prior to Bid Opening ☐ Samples may be required subsequent to Bid Opening	☐ None required ☒ Bond required 100% of Bid Award
QUANTITIES	**INSURANCE REQUIREMENTS**
☐ 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 required**

PAYMENT DISCOUNTS	
☐ 1% 20, net 30 ☐ 2% 10, net 30 X Other Net 30 Days ☐ None Offered	

ENTER YOUR BID FOR SOLICITATION 1411251846	TOTAL BID PRICE
Total Bid Price for the Project (enter total from cell ~~N24~~ in the Bid Workbook)	$ 4,695,118.00

☑ **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 — Date: 7/5/2023

Andrew J. Young, President
Printed Name and Title

Subcontractor Form

JEA Solicitation Number 1411251846 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.

Construction Contractor	**CJ's Power Systems, Inc.**		
Electrical Contractor	**CJ's Power Systems, Inc.**		

Award #14 07/20/23 Supporting Documentation

1411251846 Appendix B - Bid Workbook
Purchase and Installation of Generators for JEA Lift Stations - FY24
(Only complete the prices in yellow cells)

Company Name: **ACF Standby Systems, LLC- (Authorized Generac Industrial Distributor)**

Item Number	Proposed Generator Locations	New Generator Size	Voltage	Asset ID/ Location Number	Equipment Only			All other items*	Lead Time (Weeks)	Bid Price per Location	Traded-In Values	Total Price per Location
					Generator	ATS	Fuel Tank					
Replacement Generators - Water												
001	102 Kernan Blvd	200	480	Admin	$140,385.00	$18,198.00	$61,694.00	$172,652.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$392,929.00	$5,000.00	$387,929.00
002	4831 Greenland Rd	150	240	South Grid	$121,804.00	$17,094.00	$39,811.00	$70,235.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$248,944.00	$5,000.00	$243,944.00
003	210 Hollybrook Ave	500	480	North Grid	$102,016.00	$48,256.00	$51,281.00	$245,738.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$447,291.00	$5,000.00	$442,291.00
004	6123 Green Pond Dr	125	480	St Johns	$109,530.00	$17,094.00	$36,939.00	$76,002.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$239,565.00	$5,000.00	$234,565.00
005	6350 Ginnie Springs Rd	125	480	St Johns	$121,429.00	$0.00	$36,833.00	$63,304.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$221,566.00	$5,000.00	$216,566.00
006	7823 Baymeadows Rd	250	480	South Grid	$143,118.00	$17,094.00	$62,416.00	$79,968.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$302,596.00	$5,000.00	$297,596.00
007	7703 Blanding Blvd	200	480	West Grid	$129,879.00	N/A	$58,652.00	$81,486.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$270,017.00	$5,000.00	$265,017.00
008	648 Flora Branch Blvd	300	480	WTP	$158,628.00	$63,605.00	$76,110.00	$88,323.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$386,666.00	$5,000.00	$381,666.00
009	14491 Duval Rd	250	480	North Grid	$144,093.00	$40,582.00	$62,416.00	$82,577.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$329,668.00	$5,000.00	$324,668.00
010	96170 Piedmont Dr	500	480	WTP	$195,021.00	N/A	$83,625.00	$210,289.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$488,935.00	$5,000.00	$483,935.00
011	3428 County Rd 210 W	90	240	St Johns	$105,626.00	$35,423.00	$37,806.00	$79,970.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$258,825.00	$5,000.00	$253,825.00
Replacement Generators - Electric												
012	6674 Commonwealth Ave	200	480	Admin	$172,362.00	$45,591.00	$78,182.00	$138,451.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$434,586.00	$5,000.00	$429,586.00
Resiliency Generators - New												
013	2894 Phyllis St	150	240	South Grid	$113,790.00	$17,094.00	$39,811.00	$70,728.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$241,423.00	N/A	$241,423.00
014	5689 Marathon Pkwy	100	480	West Grid	$113,358.00	$17,094.00	$37,806.00	$86,182.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$254,440.00	N/A	$254,440.00
015	10320 Fortune Pkwy	100	480	West Grid	$106,600.00	$17,094.00	$37,806.00	$76,167.00	Current estimated build time (as of 7/6/23) is 68-72 weeks from release to completion of the equipment build.	$237,667.00	N/A	$237,667.00
				SUBTOTALS:	$1,977,639.00	$354,219.00	$801,188.00	$1,622,072.00			$60,000.00	
								Total Bid Price (transfer total to Page 1 Appendix B - Bid Form):				**$4,695,118.00**

NOTE:
*All other items include, but not limited to:
1) bid unit as indicated on bid workbook
2) generators can be increased in size due to current load, no unit will be down sized.
3) design and layout
4) all labor
5) contract and project management
6) all required permits
7) site work (i.e., excavations, piping installations, all necessary wiring, concrete pad)
8) electrical work, if needed (i.e., breaker, disconnect and service entrance)
9) site shall be restored to original condition
10) all units shall have SCADA interface box except for #12 at Commonwealth Ave
11) TDS will be required for all units above 500 kW per JEA Standards.

Funding Sources and Cash Flows								
Capital or O&M	**Index / Project # / Cost Center**	**O&M Spreadsheet Line**	**FY23 (2 Months)**	**FY24 (12 Months)**	**FY25 (12 Months)**	**FY26 (10 Months)**	**Award Total Per FY**	**Related To:**
O&M	HEA0800	1947	$ 299,715.91		TBD	TBD	$ 299,715.91	Heavy Duty Mx
O&M	HEA0800	1998		$ 952,166.00			$ 1,309,697.37	Heavy Duty Mx
O&M	HEA0800	2003		$ 85,000.00				Heavy Duty Mx
O&M	HEA0800	2002		$ 272,531.37				Heavy Duty Mx
O&M	HEA0800	TBD			$ 2,584,944.23		$ 2,584,944.23	Heavy Duty Mx
O&M	HEA0801	TBD				$ 2,491,706.40	$ 2,491,706.40	Heavy Duty Mx
			$ 299,715.91	**$ 1,309,697.37**	**$ 2,584,944.23**	**$ 2,491,706.40**	**$ 6,686,063.91**	**Total Award Amount**

FY23 Budget - Note: Transfer to BL12 in the amount of $1,846,451.14 made on 05/12/23

	A	B	C	D	E	F	G
1	System	Cost Center	Expense Type	Budget L	FY23 Total Bud	Vendor	Justification
1947	021 - Electric Operating Fund	A0800 - Fleet Services	2005 - FLEET VEHICLES & MOBILE EQUIPMENT MAINT.	BL12	353,400	Various Fleet Maintenance Vendors	Historical average AP actuals, increase to accommodate parts and labor for renewing contracts

FY24 Submittede Budget (not yet approved)

1	System	Cost Center	Expense Type	Budget L	FY24 Total Bud	Vendor	Justification
1998	021 - Electric Operating Fund	A0800 - Fleet Services	2005 - FLEET VEHICLES & MOBILE EQUIPMENT MAINT.	BL08	952,166	Kenworth of Jacksonville Inc/HD Vendor	Historical average AP actuals, increase to accommodate parts and labor for renewing contracts.
2002	021 - Electric Operating Fund	A0800 - Fleet Services	2005 - FLEET VEHICLES & MOBILE EQUIPMENT MAINT.	BL12	320,000	Various Fleet Maintenance Vendors	Historical average AP actuals, increase to accommodate parts and labor for renewing contracts.
2003	021 - Electric Operating Fund	A0800 - Fleet Services	2005 - FLEET VEHICLES & MOBILE EQUIPMENT MAINT.	BL13	85,000	VAC-CON INC	Historical average AP actuals, increase to accommodate parts and labor for renewing contracts.

Proposed Awards	
Award to Kenworth	**$ 1,714,004.94**
Award to Cumberland International	**$ 882,578.61**
Award to Tom Nehl	**$ 2,281,278.27**
Award to Ring Power	**$ 1,808,202.09**
	$ 6,686,063.91

Projected FY Spend						Monthly Avg/YR			
July 2023 Proposed Awards	**Total Award**	FY23 2 Mos)	**FY 24 Projected spend adjusted for deferral	**FY 25 Projected spend adjusted for deferral	FY26 (10 mos) Projected spend adjusted for deferral		1 Mo/Year 1	1 Mo/Year 2	1 Mo/Year 3
Award to Kenworth	**$ 1,714,004.94**	$76,836.11	$ 335,943.47	$ 663,773.99	$ 637,451.37	**Award to Kenworth**	$ 38,418.06	$ 47,869.34	$ 56,546.35
Award to Cumberland International	**$ 882,578.61**	$38,901.63	$ 169,932.73	$ 337,620.46	$ 336,123.79	**Award to Cumberland International**	$ 19,450.82	$ 24,126.44	$ 29,970.96
Award to Tom Nehl	**$ 2,281,278.27**	$100,019.27	$ 437,345.13	$ 872,640.27	$ 871,273.60	**Award to Tom Nehl**	$ 50,009.63	$ 62,341.21	$ 77,755.68
Award to Ring Power	**$ 1,808,202.09**	$83,958.90	$ 366,476.04	$ 710,909.52	$ 646,857.63	**Award to Ring Power**	$ 41,979.45	$ 51,871.35	$ 56,832.71
	$ 6,686,063.91	**$299,715.91**	**$ 1,309,697.37**	**$ 2,584,944.23**	**$ 2,491,706.40**				

BUDGETS					
FY23 BL12		$ 299,715.91			
FY24 BL08 R1998			$ 952,166.00		
FY24 BL13 R1999			$ 85,000.00		
FY24 BL12 R2000			$ 272,531.37		
FY25 & FY26				TBD	TBD
Budget Surplus/Shortage		$ 0.00	$ (0.00)		

FY23 Budget to Spend Summary		
Original Approved FY23 Budget for HD Mx BL08	$	750,000.00
Adjustments to FY23 Budget BL12 (05/12/23)	$	1,846,451.14
Total Adjusted FY23 Budget BL08 & BL12	**$**	**2,596,451.14**
FY23 Commitments to date all HD Mx Vendors	$	1,064,925.30
Projected Current Contract Spend for July	$	118,325.03
Projected FY23 Award Amt		$299,715.91
Available Budget	**$**	**1,113,484.90**

FY23 Budget - Note: Transfer to BL12 in the amount of $1,846,451.14 made on 05/12/23

Award #15 07/20/23 Supporting Documentation

Ring Power - ITN1411180646-23 (New Contract)					Heavy Duty Ford Comparison	AutoNation (Old Contract)				Compare Projected to New Award	
Heavy Duty Ford	Y1	Y2	Y3	3 Year Total		Y1	Y2	Y3	**3 Year Total**	3 Yr Variance	One Year Variance
CM Labor Rate	$ 40,000.00	$ 50,000.00	$ 62,500.00	$ 152,500.00		$ 34,795.00	$ 43,493.75	$ 54,367.19	$ 132,655.94	$ 19,844.06	$ 5,205.00
CM After Hours Labor	$ 6,000.00	$ 7,500.00	$ 9,375.00	$ 22,875.00		$ 4,209.00	$ 5,261.25	$ 6,576.56	$ 16,046.81	$ 6,828.19	$ 1,791.00
Cost Plus Parts	$ 36,000.00	$ 45,000.00	$ 56,250.00	$ 137,250.00		$ 36,000.00	$ 45,000.00	$ 56,250.00	$ 137,250.00	$ -	$ -
Road Call Response	$ 7,000.00	$ 8,750.00	$ 10,937.50	$ 26,687.50		$ 4,871.30	$ 6,089.13	$ 7,611.41	$ 18,571.83	$ 8,115.67	$ 2,128.70
After Hours Road Call	$ 1,400.00	$ 1,750.00	$ 2,187.50	$ 5,337.50		$ 841.80	$ 1,052.25	$ 1,315.31	$ 3,209.36	$ 2,128.14	$ 558.20
Transportation Fees	$ 1,875.00	$ 2,343.75	$ 2,929.69	$ 7,148.44		$ 280.60	$ 350.75	$ 438.44	$ 1,069.79	$ 6,078.65	$ 1,594.40
Towing	$ 1,125.00	$ 1,406.25	$ 1,757.81	$ 4,289.06		$ 675.00	$ 843.75	$ 1,054.69	$ 2,573.44	$ 1,715.63	$ 450.00
CM Subtotal	**$ 93,400.00**	**$ 116,750.00**	**$ 145,937.50**	**$ 356,087.50**		**$ 81,672.70**	**$ 102,090.88**	**$ 127,613.59**	**$ 311,377.17**	$ 44,710.33	$ 11,727.30
PMs	$ 89,233.00	$ 111,541.25	$ 13,942.66	$ 214,716.91		$ 40,850.00	$ 51,062.50	$ 51,062.50	$ 142,975.00	$ 71,741.91	$ 48,383.00
	$ 182,633.00	**$ 228,291.25**	**$ 159,880.16**	**$ 570,804.41**		**$ 122,522.70**	**$ 153,153.38**	**$ 178,676.09**	**$ 454,352.17**	$ 116,452.24	$ 60,110.30

Tom Nehl ITN 1411180646-23 (New Contract)					Heavy Duty Freightliner Comparison	Kenworth (Old Contract)				Compare Projected to New Award	
Heavy Duty Freightliner	**Y1**	**Y2**	**Y3**	**3 Year Total**		**Y1**	**Y2**	**Y3**	**3 Year Total**	3 Yr Variance	One Year Variance
CM Labor Rate	$ 256,500.00	$ 320,625.00	$ 400,781.25	$ 977,906.25		$ 237,997.80	$ 285,597.36	$ 342,716.83	$ 866,311.99	$ 111,594.26	$ 18,502.20
CM After Hours Labor	$ 34,000.00	$ 42,500.00	$ 53,125.00	$ 129,625.00		$ 28,621.20	$ 34,345.44	$ 41,214.53	$ 104,181.17	$ 25,443.83	$ 5,378.80
Cost Plus Parts	$ 138,000.00	$ 172,500.00	$ 215,625.00	$ 526,125.00		$ 138,000.00	$ 165,600.00	$ 198,720.00	$ 502,320.00	$ 23,805.00	$ -
Road Call Response	$ 41,250.00	$ 51,562.50	$ 64,453.13	$ 157,265.63		$ 38,274.50	$ 45,929.40	$ 55,115.28	$ 139,319.18	$ 17,946.45	$ 2,975.50
After Hours Road Call	$ 5,400.00	$ 6,750.00	$ 8,437.50	$ 20,587.50		$ 4,545.72	$ 5,454.86	$ 6,545.84	$ 16,546.42	$ 4,041.08	$ 854.28
Transportation Fees	$ 2,250.00	$ 2,812.50	$ 3,515.63	$ 8,578.13		$ 841.80	$ 1,010.16	$ 1,212.19	$ 3,064.15	$ 5,513.97	$ 1,408.20
Towing	$ -	$ -	$ -	$ -		$ 2,250.00	$ 2,700.00	$ 3,240.00	$ 8,190.00	$ (8,190.00)	$ (2,250.00)
CM Subtotal	**$ 477,400.00**	**$ 596,750.00**	**$ 745,937.50**	**$ 1,820,087.50**		$ 450,531.02	$ 563,163.78	$ 703,954.72	$ 1,717,649.51	$ 102,437.99	$ 26,868.98
PMs	$ 368,193.73	$ 460,242.16	$ 575,302.70	$ 1,403,738.60		$ 320,925.00	$ 401,156.25	$ 401,156.25	$ 1,123,237.50	$ 280,501.10	$ 47,268.73
	$ 845,593.73	**$ 1,056,992.16**	**$ 1,321,240.20**	**$ 3,223,826.10**		**$ 771,456.02**	**$ 964,320.03**	**$ 1,105,110.97**	**$ 2,840,887.01**	$ 382,939.08	$ 74,137.71

Cumberland International - ITN1411180646 (New Contract)					Heavy Duty International	Kenworth/Maudlin (Old Contract)				Compare Projected to New Award	
Heavy Duty International	Y1	Y2	Y3	3 Year Total		Y1	Y2	Y3	**3 Year Total**	3 Yr Variance	One Year Variance
CM Labor Rate	$ 99,000.00	$ 123,750.00	$ 154,687.50	$ 377,437.50		$ 83,508.00	$ 104,385.00	$ 130,481.25	$ 318,374.25	$ 59,063.25	$ 15,492.00
CM After Hours Labor	$ 11,400.00	$ 14,250.00	$ 17,812.50	$ 43,462.50		$ 10,101.60	$ 12,627.00	$ 15,783.75	$ 38,512.35	$ 4,950.15	$ 1,298.40
Cost Plus Parts	$ 53,100.00	$ 66,375.00	$ 82,968.75	$ 202,443.75		$ 54,000.00	$ 67,500.00	$ 84,375.00	$ 205,875.00	$ (3,431.25)	$ (900.00)
Road Call Response	$ 26,100.00	$ 32,625.00	$ 40,781.25	$ 99,506.25		$ 12,526.20	$ 15,657.75	$ 19,572.19	$ 47,756.14	$ 51,750.11	$ 13,573.80
After Hours Road Call	$ 4,230.00	$ 5,287.50	$ 6,609.38	$ 16,126.88		$ 1,515.24	$ 1,894.05	$ 2,367.56	$ 5,776.85	$ 10,350.02	$ 2,714.76
Transportation Fees	$ 750.00	$ 937.50	$ 1,171.88	$ 2,859.38		$ 280.60	$ 350.75	$ 438.44	$ 1,069.79	$ 1,789.59	$ 469.40
Towing	$ 1,050.00	$ 1,312.50	$ 1,640.63	$ 4,003.13		$ 675.00	$ 843.75	$ 1,054.69	$ 2,573.44	$ 1,429.69	$ 375.00
CM Subtotal	**$ 195,630.00**	**$ 244,537.50**	**$ 305,671.88**	**$ 745,839.38**		**$ 162,606.64**	**$ 203,258.30**	**$ 254,072.88**	**$ 619,937.82**	$ 125,901.56	$ 33,023.36
PMs	$ 124,984.00	$ 156,230.00	$ 195,287.50	$ 476,501.50		$ 170,550.00	$ 213,187.50	$ 213,187.50	$ 596,925.00	$ (120,423.50)	$ (45,566.00)
	$ 320,614.00	**$ 400,767.50**	**$ 500,959.38**	**$ 1,222,340.88**		**$ 333,156.64**	**$ 416,445.80**	**$ 467,260.38**	**$ 1,216,862.82**	$ 5,478.06	$ (12,542.64)

Kenworth - ITN11411180646-23 (New Contract)					Heavy Duty Other	Kenworth (Old Contract)				Compare Projected to New Award	
Heavy Duty Other	Y1	Y2	Y3	3 Year Total		Y1	Y2	Y3	**3 Year Total**	3 Yr Variance	One Year Variance
CM Labor Rate	$ 10,800.00	$ 13,500.00	$ 16,875.00	$ 41,175.00		$ 11,134.40	$ 13,918.00	$ 17,397.50	$ 42,449.90	$ (1,274.90)	$ (334.40)
CM After Hours Labor	$ 1,350.00	$ 1,687.50	$ 2,109.38	$ 5,146.88		$ 1,683.60	$ 2,104.50	$ 2,630.63	$ 6,418.73	$ (1,271.85)	$ (333.60)
Cost Plus Parts	$ 5,400.00	$ 6,750.00	$ 8,437.50	$ 20,587.50		$ 5,400.00	$ 6,750.00	$ 8,437.50	$ 20,587.50	$ -	$ -
Road Call Response	$ 2,025.00	$ 2,531.25	$ 3,164.06	$ 7,720.31		$ 1,391.80	$ 1,739.75	$ 2,174.69	$ 5,306.24	$ 2,414.08	$ 633.20
After Hours Road Call	$ 540.00	$ 675.00	$ 843.75	$ 2,058.75		$ 336.72	$ 420.90	$ 526.13	$ 1,283.75	$ 775.01	$ 203.28
Transportation Fees	$ 500.00	$ 625.00	$ 781.25	$ 1,906.25		$ 280.60	$ 350.75	$ 438.44	$ 1,069.79	$ 836.46	$ 219.40
Towing	$ 2,500.00	$ 3,125.00	$ 3,906.25	$ 9,531.25		$ 2,250.00	$ 2,812.50	$ 3,515.63	$ 8,578.13	$ 953.13	$ 250.00
CM Subtotal	**$ 23,115.00**	**$ 28,893.75**	**$ 36,117.19**	**$ 88,125.94**		**$ 22,477.12**	**$ 28,096.40**	**$ 35,120.50**	**$ 85,694.02**	$ 2,431.92	$ 637.88
PMs	$ 46,898.50	$ 58,623.13	$ 73,278.91	$ 178,800.53		$ 41,470.00	$ 51,837.50	$ 51,837.50	$ 145,145.00	$ 33,655.53	$ 5,428.50
	$ 70,013.50	**$ 87,516.88**	**$ 109,396.09**	**$ 266,926.47**		**$ 63,947.12**	**$ 79,933.90**	**$ 86,958.00**	**$ 230,839.02**	$ 36,087.45	$ 6,066.38

Award #15 07/20/23 Supporting Documentation

Ring Power - ITN1411180646 (New Contract)				
Heavy Duty VacJets	Y1	Y2	Y3	3 Year Total
CM Labor Rate	$ 36,000.00	$ 43,200.00	$ 51,840.00	$ 131,040.00
CM After Hours Labor	$ 2,400.00	$ 2,880.00	$ 3,456.00	$ 8,736.00
Cost Plus Parts	$ 54,000.00	$ 64,800.00	$ 77,760.00	$ 196,560.00
Road Call Response	$ 5,000.00	$ 6,000.00	$ 7,200.00	$ 18,200.00
After Hours Road Call	$ 560.00	$ 672.00	$ 806.40	$ 2,038.40
Transportation Fees	$ 1,200.00	$ 1,440.00	$ 1,728.00	$ 4,368.00
Towing	$ 1,200.00	$ 1,440.00	$ 1,728.00	$ 4,368.00
CM Subtotal	**$ 100,360.00**	**$ 120,432.00**	**$ 144,518.40**	**$ 365,310.40**
PMs	$ 245,676.24	$ 307,095.30	$ 383,869.13	$ 936,640.67
	$ 346,036.24	**$ 427,527.30**	**$ 528,387.53**	**$ 1,301,951.07**

Heavy Duty VacJet Attachments

N/A (Forecast with Kenworth Rates)			
Y1	Y2	Y3	**3 Year Total**
$ 37,125.00	$ 44,550.00	$ 53,460.00	$ 135,135.00
$ 2,475.00	$ 2,970.00	$ 3,564.00	$ 9,009.00
$ 54,000.00	$ 64,800.00	$ 77,760.00	$ 196,560.00
$ 4,125.00	$ 4,950.00	$ 5,940.00	$ 15,015.00
$ 495.00	$ 594.00	$ 712.80	$ 1,801.80
$ -	$ -	$ -	$ -
$ 500.00	$ 600.00	$ 720.00	$ 1,820.00
$ 98,720.00	**$ 118,464.00**	**$ 142,156.80**	**$ 359,340.80**
$ 42,000.00	$ 52,500.00	$ 52,500.00	$ 147,000.00
$ 140,720.00	**$ 170,964.00**	**$ 194,656.80**	**$ 506,340.80**

Compare Projected to New Award	
3 Yr Variance	One Year Variance
$ (4,095.00)	$ (1,125.00)
$ (273.00)	$ (75.00)
$ -	$ -
$ 3,185.00	$ 875.00
$ 236.60	$ 65.00
$ 4,368.00	$ 1,200.00
$ 2,548.00	$ 700.00
$ 5,969.60	$ 1,640.00
$ 789,640.67	$ 203,676.24
$ 795,610.27	$ 205,316.24

Ring Power, Cumberland, Tom Nehl, Kenworth - ITN1411180646 (New Contract)				
Ad Hoc	Y1	Y2	Y3	3 Year Total
Upfitting/Downfitting	$ 560.00	$ 560.00	$ 560.00	$ 1,680.00
Emergency Storm Support	$ 835.00	$ 835.00	$ 835.00	$ 2,505.00
Mutual Aid	$ 900.00	$ 900.00	$ 900.00	$ 2,700.00
Misc Tech	$ 30,500.00	$ 30,500.00	$ 30,500.00	$ 91,500.00
Fire Extinquisher Prog	$ 610.00	$ 610.00	$ 610.00	$ 1,830.00
	$ 33,405.00	**$ 33,405.00**	**$ 33,405.00**	**$ 100,215.00**

Ad Hoc

Kenworth, Maudlin, AutoNation - (Old Contract)			
Y1	Y2	Y3	**3 Year Total**
$ 62,700.00	$ 62,700.00	$ 62,700.00	$ 188,100.00
$ 55,440.00	$ 55,440.00	$ 55,440.00	$ 166,320.00
$ 40,000.00	$ 40,000.00	$ 40,000.00	$ 120,000.00
$ 8,250.00	$ 8,250.00	$ 8,250.00	$ 24,750.00
$ 62,700.00	$ 62,700.00	$ 62,700.00	$ 188,100.00
$ 229,090.00	**$ 229,090.00**	**$ 229,090.00**	**$ 687,270.00**

Compare Projected to New Award	
3 Yr Variance	One Year Variance
$ (186,420.00)	$ (62,140.00)
$ (163,815.00)	$ (54,605.00)
$ (117,300.00)	$ (39,100.00)
$ 66,750.00	$ 22,250.00
$ (186,270.00)	$ (62,090.00)
$ (587,055.00)	$ (195,685.00)

	First Year Cost	**Total Cost**	
Heavy Duty Ford	$ 182,633.00	$ 570,804.41	Ring Power
Heavy Duty Freightliner	$ 845,593.73	$ 3,223,826.10	Tom Nehl
Heavy Duty International	$ 320,614.00	$ 1,222,340.88	Cumberland
Heavy Duty Other	$ 70,013.50	$ 266,926.47	Kenworth
Heavy Duty VacJet	$ 346,036.24	$ 1,301,951.07	Ring Power
Ad Hoc	$ 33,405.00	$ 100,215.00	All
Totals	$ 1,798,295.47	$ 6,686,063.91	

Increase over 3 years	**$ (279,784.12)**

Solicitation Projection			
Projected Year 1	**Projected Y2**	**Projected Y3**	**Total 3 Yr Proj**
Heavy Duty Ford	$ 122,522.70	$ 153,153.38	$ 178,676.09	$ 454,352.17
Heavy Duty Freightliner	$ 771,456.02	$ 964,320.03	$ 1,105,110.97	$ 2,840,887.01
Heavy Duty International	$ 333,156.64	$ 416,445.80	$ 467,260.38	$ 1,216,862.82
Heavy Duty Other	$ 63,947.12	$ 79,933.90	$ 86,958.00	$ 230,839.02
Heavy Duty VacJet	$ 140,720.00	$ 170,964.00	$ 194,656.80	$ 506,340.80
Ad Hoc	$ 229,090.00	$ 229,090.00	$ 229,090.00	$ 687,270.00
Total	$ 1,660,892.48	$ 2,013,907.10	$ 2,261,752.24	$ 5,936,551.82
Formula Error in Proj.	$ (40,000.00)	$ (40,000.00)	$ (40,000.00)	$ (120,000.00)
	$ 1,620,892.48	$ 1,973,907.10	$ 2,221,752.24	$ 5,816,551.82

Compare Projected to New Award		Previous Award	
Year 1 Variance	**Three Yr Variance**	**First Yr Ttl**	**3 Yr Ttl**
$ 60,110.30	$ 116,452.24	$ 279,017.15	$ 837,051.45
$ 74,137.71	$ 382,939.08	$ 1,119,990.06	$ 3,359,970.19
$ (12,542.64)	$ 5,478.06	$ 1,037,366.00	$ 2,578,066.39
$ 6,066.38	$ 36,087.45	$ -	$ -
$ 205,316.24	$ 795,610.27		$ -
$ (195,685.00)	$ (587,055.00)	$ 63,586.67	$ 190,760.00
$ 137,402.99	$ 749,512.09	$ 2,499,959.88	$ 6,965,848.03

Variance: Award Compared to Previous Award		
Adjusted Qty & Rates	Year One	3 Yr Ttl
Heavy Duty Ford	$ (96,384.15)	$ (266,247.04)
Heavy Duty Freightliner	$ (274,396.33)	$ (136,144.09)
Heavy Duty International	$ (716,752.00)	$ (1,355,725.52)
Heavy Duty Other	$ 70,013.50	$ 266,926.47
New: VacJet	$ 346,036.24	$ 1,301,951.07
Upfitting/Downfitting	$ (63,026.67)	$ (189,080.00)
New: Emergency Storm	$ 835.00	$ 2,505.00
New: Mutual Aid	$ 900.00	$ 2,700.00
New: Misc. Tech	$ 30,500.00	$ 91,500.00
New: Fire Extinguisher	$ 610.00	$ 1,830.00
Variances	**$ (701,664.41)**	**$ (279,784.12)**

Variance: Award Compared to Solicitation Projection		
Adjusted Qty & Rates	Year One	3 Yr Ttl
Heavy Duty Ford	$ 60,110.30	$ 116,452.24
Heavy Duty Freightliner	$ 74,137.71	$ 382,939.08
Heavy Duty International	$ (12,542.64)	$ 5,478.06
Heavy Duty Other	$ 6,066.38	$ 36,087.45
New: VacJet	$ 205,316.24	$ 795,610.27
Upfitting/Downfitting	$ (62,140.00)	$ (186,420.00)
New: Emergency Storm	$ (54,605.00)	$ (163,815.00)
New: Mutual Aid	$ (39,100.00)	$ (117,300.00)
New: Misc. Tech	$ 22,250.00	$ 66,750.00
New: Fire Extinguisher	$ (62,090.00)	$ (186,270.00)
Variances **	**$ 177,402.99**	**$ 869,512.09**

**Original Projection only accounted for one vendor Ad Hoc @ 229,090/yr, rather than 4 vendors,

ITN 1411180646 JEA Fleet Services Heavy Duty Maintenance & Repair Services BAFO Analysis

	Cumberland International Trucks		Kenworth		Ring Power		Tom Nehl					
Bid Group	Subcontract MarkUp %	Bid Summary	Subcontract MarkUp %	Bid Summary	Subcontract MarkUp %	Bid Summary	Subcontract MarkUp %	Bid Summary	Points	Evaluation Points	Total Points	Category Totals
Heavy Duty Ford	0.0%	$ -	6.0%	$ 410,509.66	0.0%	**$ 570,804.41**	0.0%	$ -				$ 570,804.41
Heavy Duty Freightliner/Western Star	0.0%	$ -	6.0%	$ 2,863,564.94	0.0%	$ 4,274,919.96	30.0%	**$ 3,223,826.10**	**39.34**	**43.83**	**83.17**	$ 3,223,826.10
Heavy Duty International	10.0%	**$ 1,222,340.88**	6.0%	$ 1,192,645.31	0.0%	$ 2,111,776.69	0.0%	$ -				$ 1,222,340.88
Heavy Duty Other (Sterling, Peterbuilt, Mack)	0.0%	$ -	6.0%	**$ 266,926.47**	0.0%	$ 666,388.32	0.0%	$ -				$ 266,926.47
Heavy Duty Other VacJet Attachments	0.0%	$ -		$ -	0.0%	**$ 1,301,951.07**	0.0%	$ -				$ 1,301,951.07
Ad Hoc Services	N/A	$ 26,940.00	N/A	$ 22,065.00	N/A	$ 26,610.00	N/A	$ 24,600.00				$ 100,215.00
3 Year Total		**$ 1,249,280.88**		**$ 288,991.47**		**$ 1,899,365.47**		**$ 3,248,426.10**				$ 6,686,063.91

Details from Bid Responses

	Cumberland International		Kenworth		Ring Power		Tom Nehl					
Bid Group	Subcontract MarkUp %	Bid Summary	Subcontract MarkUp %	Bid Summary	Subcontract MarkUp %	Bid Summary	Subcontract MarkUp %	Bid Summary	Points	Evaluation Points	Total Points	Category Totals
Heavy Duty Ford	0.0%	$ -	6.0%	$ 410,509.66	0.0%	**$ 570,804.41**	0.0%	$ -				$ 570,804.41
HD Ford Year 1				$ 122,204.50		**$ 182,633.00**						$ 182,633.00
Heavy Duty Freightliner/Western Star	0.0%	$ -	6.0%	$ 2,863,564.94	0.0%	$ 4,274,919.96	30.0%	**$ 3,223,826.10**	**39.34**	**43.83**	**83.17**	$ 3,223,826.10
HD FL Year 1				$ 751,099.00				**$ 845,593.73**				$ 845,593.73
Heavy Duty International	10.0%	**$ 1,222,340.88**	6.0%	$ 1,192,645.31	0.0%	$ 2,111,776.69	0.0%	$ -				$ 1,222,340.88
HD Intl Year 1		**$ 320,614.00**		$ 312,825.00								$ 320,614.00
Heavy Duty Other (Sterling, Peterbuilt, Mack)	0.0%	$ -	6.0%	**$ 266,926.47**	0.0%	$ 666,388.32	0.0%	$ -				$ 266,926.47
HD Other Year 1				**$ 70,013.50**		$ 174,790.38						$ 70,013.50
Heavy Duty Other VacJet Attachments	0.0%	$ -		$ -	0.0%	**$ 1,301,951.07**	0.0%	$ -				$ 1,301,951.07
HD Vac Year 1						**$ 346,036.24**						$ 346,036.24
Ad Hoc Services	N/A	$ 26,940.00	N/A	$ 22,065.00	N/A	$ 26,610.00	N/A	$ 24,600.00				$ 100,215.00
Ad Hoc Year 1		$ 8,980.00	#VALUE!	$ 7,355.00	#VALUE!	$ 8,870.00	#VALUE!	$ 8,200.00				$ 33,405.00
Vendor 3 Year Total		**$ 1,249,280.88**		**$ 288,991.47**		**$ 1,899,365.47**		**$ 3,248,426.10**				**$ 6,686,063.91**
Year 1 Total		**$ 329,594.00**		**$ 77,368.50**		**$ 537,539.24**		**$ 853,793.73**				**$ 1,798,295.47**

Award Amounts, assuming 70% primary and 30% of primary for secondary provider

Three Year Award Distribution		Cumberland International Trucks	Kenworth	Ring Power	Tom Nehl
Category	Category Total	Bid Summary	Bid Summary	Bid Summary	Bid Summary
Heavy Duty Ford	$ 570,804.41	$ -	$ 171,241.32	**$ 399,563.08**	$ -
Heavy Duty Freightliner/Western Star	$ 3,223,826.10	$ -	$ 967,147.83		**$ 2,256,678.27**
Heavy Duty International	$ 1,222,340.88	**$ 855,638.61**	$ 366,702.26		$ -
Heavy Duty Other (Sterling, Peterbuilt, Mack)	$ 266,926.47	$ -	**$ 186,848.53**	$ 80,077.94	$ -
Heavy Duty Other VacJet Attachments	$ 1,301,951.07	$ -	$ -	**$ 1,301,951.07**	$ -
Ad Hoc Services	$ 100,215.00	$ 26,940.00	$ 22,065.00	$ 26,610.00	$ 24,600.00
3 Year Total	**$ 6,686,063.91**	**$ 882,578.61**	**$ 1,714,004.94**	**$ 1,808,202.09**	**$ 2,281,278.27**

Year One Award Distributions		Cumberland International Trucks	Kenworth	Ring Power	Tom Nehl
Bid Group	Category Total	Bid Summary	Bid Summary	Bid Summary	Bid Summary
Heavy Duty Ford	$ 570,804.41	$ -	$ 171,241.32	**$ 399,563.08**	$ -
Year 1	$ 182,633.00	$ -	$ 54,789.90	**$ 127,843.10**	
Heavy Duty Freightliner/Western Star	$ 3,223,826.10	$ -	$ 967,147.83		**$ 2,256,678.27**
Year 1	$ 845,593.73		$ 253,678.12		**$ 591,915.61**
Heavy Duty International	$ 1,222,340.88	**$ 855,638.61**	$ 366,702.26		$ -
Year 1	$ 320,614.00	**$ 224,429.80**	$ 96,184.20		
Heavy Duty Other (Sterling, Peterbuilt, Mack)	$ 266,926.47	$ -	**$ 186,848.53**	$ 80,077.94	$ -
Year 1	$ 70,013.50		**$ 49,009.45**	$ 21,004.05	
Heavy Duty Other VacJet Attachments	$ 1,301,951.07	$ -	$ -	**$ 1,301,951.07**	$ -
Year 1	$ 346,036.24			**$ 346,036.24**	
Ad Hoc Services	$ 100,215.00	$ 26,940.00	$ 22,065.00	$ 26,610.00	$ 24,600.00
Year 1	$ 33,405.00	$ 8,980.00	$ 7,355.00	$ 8,870.00	$ 8,200.00
3 Year Total	**$ 6,686,063.91**	**$ 882,578.61**	**$ 1,714,004.94**	**$ 1,808,202.09**	**$ 2,281,278.27**
Year 1 Total	**$ 1,798,295.47**	**$ 233,409.80**	**$ 461,016.67**	**$ 503,753.39**	**$ 600,115.61**