

Welcome to the

JEA Awards Meeting

November 16, 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 **Victoria Holloway** by telephone at **(904) 651-7171** or by email at hollvl@jea.com if you experience any technical difficulties during the meeting.

JEA Awards Agenda
November 16, 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 (Projected) Start Date - End Date	JSEB Participation (Y/N) If Y, then list company name(s) (%), S - awarded)
1	Minutes	Minutes from 11/09/2023 Meeting	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Contract Increase/Renewal	038-19, JEA Global Positioning System (GPS) and Telematics with Mobile Hot Spot Capability, Driver ID, and Panic Button Solution	McElroy	PreCise MRM LLC	Capital & O&M	\$625,335.00	\$3,474,554.00	\$4,442,579.50	04/16/2020-\$287,501.50 09/11/2020-\$44,270.00 09/13/2022-\$10,919.00	Three (3) Years w/ Two (2)-One (1) Yr. Renewals One (1) Yr. Renewal Used One (1) Yr. Renewal Remaining Start Date: 12/18/2019 End Date: 12/17/2024	N
	<p>Last Awarded: 12/12/2019 For Additional Information contact: Angel Iosua</p> <p>The overall goal of GPS and Telematics consists of capturing real-time and historic information regarding JEA's Fleet and employees such that JEA (1) obtains better data on vehicle usage, condition, and location; (2) is better able to manage resources and assign work; and (3) achieve lower cost of operations. The primary communication device installed in each vehicle would use cellular uplink and allow multiple devices (GPS, Phones, Laptops, sensors, tablets, etc.) to connect which would provide access to hosted platforms, Internet sites and JEA.</p> <p>This request is for a contract increase of \$181,735.00 for additional equipment and an annual LiGo software subscription renewal of \$443,600 for a total of \$625,335. The additional equipment is needed for approximately 147 new on-road and off-road assets JEA has added since the start of this contract and includes the following equipment: Cable ODBII with dash bracket, Y-splitter Cables, LiGo GPS Device setup & configuration, LiGo monthly subscription, CalAmp Trailer Tracking Unit, HID Driver ID Reader Package, and emergency panic button components. Some of the rates on this equipment have increased as much as 50% due to inflation and smaller volume purchasing since the original 2019 bid, however these CalAmp devices and cables will still have to be purchased through PreCise since they pre-program the CalAmp's and configure the wiring harnesses per JEA specifications. Note JEA will be doing a new formal separate bid to resellers for the most expensive new equipment needed for routers and antennas that do not need to be configured by PreCise in an effort to get better competitive pricing for those items.</p>										
3	Contract Increase	1410996446 - Blanding Blvd Driveway Entrance	McElroy	Kirby Development Inc.	Capital	\$584,233.13	\$694,621.51	\$1,314,522.85	08/31/2023 - \$35,668.21	Project Completion Start Date: 06/01/2023 End Date: 06/30/2024	100% Firm is JSEB Certified
	<p>Originally Awarded: 01/26/2023 For additional information contact: Elaine Selders</p> <p>This contract increase requests an award for additional work discovered during the construction of a new lift station entrance driveway located at 7703 Blanding Blvd in Jacksonville. During construction it was determined that the existing utilities within the limits of the project were too shallow and will eventually fail.</p> <p>This contract increase is being requested for the redesign of the utilities due to drainage conflicts. During the project construction which began in June 2023, it was determined that due to age, material, location, and failure of the adjacent utilities that are within the project limits are shallow and are not at the required minimum depth. The project will include modifications to the Water Main and the Force Main utilities. Completion of the project without replacement of the existing utilities would likely lead to their failure.</p>										
4	RFP	1411441046 - GEC Silencer Replacement Project	Melendez	Southeast Value Inc. (DBA - SVI Dynamics)	Capital	\$6,718,160.00	N/A	N/A	N/A	Project Completion Start Date: 11/15/2023 End Date: 09/30/2024	N
	<p>Bid Opening - 10/17/2023 For Additional Information Contact: Rodney Lovgren</p> <p>The scope of services is for a contractor to provide a new silencer equipment for Greenland Energy Centers Units 61 and 62 to replace the current silencer equipment design that is failing after just over five years of operation. The RFP was evaluated on price, manufacturer's equipment design approach, experience and fabrication plans.</p> <p>Three responses were received and JEA is awarding to the highest evaluated Respondent. SVI Dynamics is the higher priced company and was evaluated overall highest due to their computational fluid dynamic (CFD) analysis integrated into the proposed equipment design changes. The two other equipment providers did not provide viable solutions to meet JEA's concerns and needs. One manufacturer (the previous OEM) proposed to replace with like equipment, which is currently failing, and the other manufacturer proposed for JEA to manage the installation contractor and had proposed design changes that would have required permit compliance reviews to determine if the proposed changes could be accepted, which would have been unknown until well into the contract.</p> <p>Additionally, it is noted that SVI completed a silencer replacement project at Brandy Branch in 2018, while the project at BBGS was an in kind replacement and the designs were different than GEC, SVI did provide CFD analysis, which gives JEA confidence in their engineering expertise to provide a solution, which will resolve the current issue at GEC.</p>										
5	Ratification/Contract Increase/Contract Decrease	1410307847-21 Residential Water Meters for Inventory Stock	McElroy	Badger Meter, Inc. Sensus USA, Inc.	Inventory Blanket	\$1,680,000.00 -\$1,680,000.00	\$6,690,352.47	\$19,904,373.59	02/02/2023 - \$13,214,021.12	Two (2) Years w/One (1) - 1 Yr. Renewal Start: 05/15/2021 End: 05/10/2024 No Renewals Remaining	N
	<p>Originally Awarded: 05/06/2021 For additional information: Eddie Bayouth</p> <p>The purpose of this ratification is to formalize the award committee approval to transfer money from the original award NTE of Sensus USA, Inc. to Badger Meter, Inc. Since this is a transfer of funds from one awardee to the other in a 1:1 manner, the total amount of the award remains unchanged.</p> <p>The transfer of funds is driven by Sensus' delay in meeting a plan milestone with regards to their product's integrations with the new JEA AML. The milestones were put in place to track when Sensus would deliver prototypes for testing and receives JEA water meter department approval. Due to delays, in order to ensure continuity in the supply of residential water meters, JEA is will have to order all new residential water meters from Badger.</p> <p>JEA expects to begin testing the Sensus prototypes this week. If the meters pass the testing regime which is expected to occur within thirty (30) days, JEA will proceed with ordering additional meters from Sensus and consume the remaining NTE. If the meters do not pass their testing, we will request additional funds to be transferred from the Sensus contract to the Badger contract until which time all NTE has been transferred and Sensus has been deemed unable to meet its final milestone in approximately 90 days. At that time JEA will begin exploring additional backup sources to begin testing and approval to support an eventual long term solicitation in 2024 for residential meters.</p>										

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Consent Agenda Action											
Committee Members in Attendance	Names										
Motion by:											
Second By:											
Committee Decision											
Budget	Name/Title	_____									
Awards Chairman	Name/Title	_____									
Procurement	Name/Title	_____									
Legal	Name/Title	_____									

JEA Awards Agenda

November 9, 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.

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1	Minutes	Minutes from 11/02/2023 Meeting	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Renewal	Single Source- Customer MyWay Pre-Paid Account Management Software Support	Hunt	Exceleron Software, LLC	O&M	\$839,197.12	\$2,506,441.00	\$3,409,842.74	12/14/2022 - \$38,000 06/07/2023 - \$26,204.62	Three (3) Years w/ Two (2)-One (1) Yr. Renewals One (1) Yr. Renewal Used One (1) Yr. Renewal Remaining Start Date: 01/04/2020 End Date: 01/03/2025	N
For additional information contact: Angel Iosua This request in the amount of \$839,197.12 is for a one (1) year renewal with Exceleron Software, LLC for Customer Pre-Paid Account Management Software Support Services for JEA Customer MyWay Pre-Paid Accounts from 01/04/2024 to 01/03/2025. JEA offers customers prepaid services as an alternative to traditional payment methods, and to accommodate JEA customer growth. Exceleron's pricing is based on the number of customers enrolled in the MyWay program (tiered cost structure starting at \$0.20/customer/day for the first 3,000 and ending with \$0.04/customer/day for customer over 5,000) and communication costs for delivering outbound IVR (\$0.05/message) and text (\$0.04/message) alerts on JEA's behalf. Exceleron's prepaid account management program and support services provides a mechanism for customers to obtain utility service while paying down debt owed to the utility as well as serves customers that are unable to pay utility deposits. Exceleron's pricing has also allowed JEA to reduce the contract cost per customer by 8% over the last 12 months as enrollment decreased by 4.5%. Pricing and terms from the original award will be maintained throughout the one (1) year renewal.											
3	Change Order	007-21 Engineering Services for Monterey WWTF Improvements	Melendez	Constantine Engineering, LLC	Capital	\$574,487.00	\$1,011,507.29	\$1,816,504.03	11/03/2022 - \$230,446.74	Start Date: 06/04/2021 End Date: 09/11/2026 (Projected)	N
Last Awarded: 05/13/2021 For additional information contact: Lynn Rix The purpose of this contract increase is for engineering services during the construction phase of improvements to the Monterey Water/Wastewater Treatment Facility (WWTF) to include: renovation of the existing influent pump station, construction of a new influent pumping and screening system, replacement of sequencing batch reactor (SBR) process equipment, conversion of SBR No. 4 to two sludge holding tanks, modification and expansion of the aeration system, construction of a plant water system, replacement of centrifuge No. 1, construction of a new generator and fuel system, construction of a new electrical building, and associated civil/site improvements. This also includes additional engineering services to provide landscape architecture, irrigation and other civil services to respond to City of Jacksonville (COJ) 10-set review comments. The hourly rates for this change order are at or below the originally contracted rates.											
4	Change Order	079-19 Construction Management-at-Risk (CMAR) Services for the Greenland WRF	Melendez	The Haskell Company	Capital	\$1,172,748.93	\$517,809.00	\$122,101,114.94	10/12/2020 - \$51,780.01 12/17/2020 - \$9,479,822.00 12/16/2021 - \$108,505,039.00 12/15/2022 - \$2,373,916.00	Start Date: 10/19/2019 End Date: 02/01/2025 (Projected)	N
Last Awarded: 12/15/2022 For additional information contact: Dan Kruck The scope of work for this contract includes the construction of a new 4 MGD water reclamation facility (WRF). This increase will fund numerous change orders including additional generator pad bank cabinets, JEA requested security upgrades and an additional polymer tank. A full list of the change orders is attached for reference. JEA estimating reviewed the costs and deemed them reasonable when compared to past projects and current market prices.											
5	Joint Project	JEA & JTA Interagency Agreement for San Pablo and Alta Dr.	Melendez	JTA	Capital	\$1,500,000.00	N/A	\$1,500,000.00	N/A	Start Date: 11/15/2023 End Date: 12/31/2024 Renewal Options: One (1) Two (2) Year Periods	N
For additional information contact: Dan Kruck This award request is for JEA to enter in to an Interagency Agreement with the Jacksonville Transportation Authority (JTA) for JEA's utility relocation/improvement projects associated with the JTA Mobility Works Program on San Pablo and Alta Drive. The JTA Mobility Works Program consists of the remaining road improvement projects that were not completed as part of the Better Jacksonville Plan along with new JTA corridor improvements projects. JEA and JTA have been partnering since 2004 by entering in to these Interagency Agreements to provide a joint project effort to complete all transportation and utility improvements. This partnership has proven successful in completing project delivery as well as minimizing community impacts. The award amount is the JEA estimate for JEA's portion of the work.											
6	Contract Increase	062-19 Water/Wastewater Capital Program Management	Melendez	Jacobs Engineering Group, Inc.	Capital, O&M	\$13,609,620.00	\$10,354,970.00	\$60,398,778.00	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 07/20/2023 - \$1,760,185.00	Five (5) Years w/Two (2) - 1 Yr. Renewals Start: 07/01/2019 End: 06/30/2024 Two (2) - 1 Yr. Renewals Remaining	N
Last Awarded: 07/20/2023 For additional information contact: Dan Kruck The scope of work for this contract includes program management, design, and construction 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 subprograms: • FY24 Well Rehabilitation Services for the Wellfield Rehabilitation Subprogram – includes program management, design, and all construction materials and labor for 8 wells identified by the program in FY24 (\$3,677,694) • Hogans Creek DES - Gator Bowl Blvd.- APR to Four Seasons chilled water main – includes design, material purchase, sub-consulting work, CEI, and construction based on the current design estimate for dual 20" chilled water mains to the Four Seasons hotel site. (\$5,839,000) • Laura St DES expansion. – includes design, material purchase, sub-consulting work, CEI, and construction based on the current design estimate for dual 30" chilled water mains to serve Bank of America and other businesses in the Laura/Hogan St. corridor. (\$4,092,926) The rates used for the development of task orders under this contract have increase 2% per year as negotiated when the contract was signed.											

Award Minutes

Award #	Type of Award	Solicitation # & Short Description/Title	VP	Awardee	Funding Source	Award Amount	Original Award Amount	New Not-to-Exceed	Amendments	Term (Projected Start Date - End Date)	JSEB Participation (Y/N) If Y, then list company name(s) (% S - awarded)
7	Change Order	1411398646 - NGS Flume Intake / Discharge Repairs	Melendez	Premier Corrosion Protection Services, Inc. Underwater Mechanics Services, LLC	Capital	\$0.00 \$386,712.74	\$850,630.00 \$1,336,636.96	\$850,630.00 \$1,662,593.48	N/A	Project Completion Start: 10/15/2023 End: 11/23/23	N
	<p>Originally Awarded 10/05/2023 For Additional Information Contact: Rodney Lovgren</p> <p>The scope of work for this award includes the Northside Generating Station, Flume Intake / Discharge structure for Units 1, 2 and 3 concrete repair work. Underwater Mechanics was originally awarded the Unit 3 repairs and Premier Corrosion was awarded the beam repair work. Unit 1 and 2 repair scopes were originally planned for the October 2024 (FY25) outage season. During this current outage season, Unit 2's outage has been extended, which has presented JEA the opportunity to bring Unit 2, FY25 work into this current outage. This change order in the amount of \$386,712.74 is for Underwater Mechanics to complete the Unit 2, with an adjusted scope starting in mid - November. Unit 1 will remain an open option which may be executed on one of the existing contracts, or may be bid out independently.</p>										

Consent Agenda Action

Committee Members in Attendance	Names	Joe Orfano, Mark Stultz, Tony Long
Motion by:	Mark Stultz	
Second By:	Tony Long	
Committee Decision	Approved	

Consent and Regular Agenda Signatures

Budget	Name/Title	<i>Stephan M. Healy</i>
Awards Chairman	Name/Title	<i>J. Leo VP, Financial Services</i>
Procurement	Name/Title	<i>J. M. M.</i>
Legal	Name/Title	<i>Rebecca Lavis</i>



Formal Bid and Award System

Award #5 December 12, 2019

Type of Award Request: INVITATION TO NEGOTIATE (ITN)
Request #: 6462
Requestor Name: Edgar, Cindy L. - Dir Eng Systems & PMO
Requestor Phone: 904-665-7653
Project Title: JEA Global Positioning System (GPS) and Telematics with Mobile Hot Spot Capability, Driver ID, and Panic Button Solution
Project Number: 8005596 and HEB0500
Project Location: JEA
Funds: Capital and O&M (Year 2 and 3 Subscription cost)
Budget Estimate: \$2,500,000.00
Scope of Work:

The scope and overall goal of GPS and Telematics consists of capturing real-time and historic information regarding JEA's fleet and employees such that JEA (1) obtains better data on vehicle usage, condition and location; (2) is better able to manage resources and assign work; and (3) achieve lower cost of operations. In addition to the GPS and Telematics requirements, the scope also includes a requirement for a communication mechanism to be installed in JEA vehicles that provides Wi-Fi and Bluetooth for locally connected devices. The primary communication device installed in each vehicle would use cellular uplink and allow multiple devices (GPS, Phones, Laptops, Sensors, Tablets, etc.) to connect which would provide access to hosted platforms, Internet sites and JEA. The solution will also include Driver ID and emergency panic button components. The scope of the GPS deployment will include vehicles, trailers, and equipment for the following business groups: Fleet, Electric System, Water/Sewer, Customer Relationships and Telecommunications. JEA has approximately 1,322 total on-road and off-road assets that will require GPS installation.

This project will impact the following JEA Measures of Value:

- Customer, Community & Environmental: This solution will provide enhanced route optimization to improve response to electric and water/wastewater emergencies
- Financial: The solution will result in a lower cost of operations due to enhanced route optimization, as well as the ability to monitor and track workforce for accountability and peak performance. integration of the work order management system with the GPS system will assist with workload leveling and staffing model.

JEA IFB/RFP/State/City/GSA#: 038-19
Purchasing Agent: Dambrose, Nick
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
MARSHALLGIS	Elizabeth Marshall	emarshall@marshallgis.com	2915 N Cole Rd Boise, ID 83704	(208)514-0411 x121	\$3,474,554.00

Award #2 Supporting Documents

Amount for entire term of Contract/PO:	\$3,474,554.00
Award Amount for remainder of this FY:	\$2,925,178.00
Length of Contract/PO Term:	Project Completion (Equipment and installation) Three (3) Years w/Two (2) - One (1) Yr. Renewals (Software Subscription)
Begin Date (mm/dd/yyyy):	12/18/2019
End Date (mm/dd/yyyy):	12/17/2022
Renewal Options:	YES - Two (2) - One (1) Yr. Renewals (Software Subscription)
JSEB Requirement:	N/A - No JSEBs available.

RESPONDENTS:

Name	First Round	Disqualified	BAFO	Final Rank
MARSHALLGIS	\$2,736,980.00	NO	\$2,673,409.00*	1
VERIZON & SOURCE INC	\$3,263,759.83	NO	\$2,783,321.17	2
SYNOVIA SOLUTIONS/CALAMP	\$2,372,423.00	Yes, During Pilot	\$1,791,122.52	N/A
LB TECHNOLOGY	\$1,156,729.00	Yes	N/A	N/A
BSM ANALYTICS	\$2,222,473.00	Not Shortlisted	N/A	N/A
USAT CORP	\$2,788,955.94	Not Shortlisted	N/A	N/A

Background/Recommendations:

Advertised on 12/18/2018. Six (6) prime companies attended the optional pre-Response meeting held on 01/03/2019. At response opening on 01/23/2019, JEA received six (6) Responses. In addition to price, the supplier Responses were also evaluated on Past Performance, Ability to Meet the Business Requirements, and the suppliers' Design Approach and Workplan. LB Technology was disqualified for not meeting the minimum qualifications. MarshallGIS, Verizon & Source Inc, and Synovia Solutions were short-listed and invited to present their solutions to the evaluation team. A Best and Final Offer (BAFO) was requested from MarshallGIS, Verizon, and Synovia. On 05/28/2019 following the shortlist written and presentation scoring completion, Synovia Solutions was ranked number one (1) and JEA issued an intent to award pending a five (5) asset pilot agreement completion with JEA. During the pilot, it was discovered that Synovia's solution did not satisfy all of JEA's Wi-Fi mobile hotspot business requirements and was disqualified. On 09/13/2019 JEA issued a new intent to award to the new highest ranking company MarshallGIS and also started a five (5) asset pilot which verified their solution met all of JEA's requirements. The solicitation allowed for a lease versus buy option and the buy option was determined to be less expensive over three (3) years. A copy of the Marshall GIS BAFO Response Form, Workbook, and final post pilot quote are attached as backup.

The business case for the purchase of GPS, mobile Wi-Fi hotspot, Driver ID, and panic button equipment and installation of all the equipment includes many benefits to JEA. This solution will provide enhanced route optimization across JEA's fleet to improve response to emergencies, as well as the ability to monitor and track workforce through Driver ID for accountability and peak performance. The solution will also increase employee safety with and emergency panic button and location to provide assistance in a time of need. Integration of the work order management system with the GPS system will assist with workload leveling and staffing model. The mobile Wi-Fi hotspot will provide at minimum a 100 foot range from the JEA vehicle to also provide a high level of access for JEA and for mutual aid crews in times of emergency. The mobile Wi-Fi hotspot will run on JEA's existing Verizon wireless network. The vehicle area network (VAN) will provide a local Wi-Fi vehicle hotspot that allows handheld (laptops, tablets) and other devices in the area to communicate with each other and connect to broadband. VANs connect to public 4G LTE, FirstNet, land mobile radio, satellite, and other networks. This technology will allow JEA vehicles to leverage the mobile hotspots for daily work, as well as, special projects and disaster/incident response. In the future, vehicles may also have advanced collaboration toolsets over the vehicle area network (VAN) or other functionalities like mobile warehousing. The ability to use standard, commercially available handheld devices to securely access video and other data—or to provide live video to headquarters—greatly enhances productivity and safety. In public safety settings, a VAN also supports

Award #2 Supporting Documents

easier agency interoperability. For responders, a VAN helps share video, infrastructure, GIS and other information among personnel both inside and outside the vehicles. JEA plans to do an initial 100 vehicle rollout before installing on the entire fleet to ensure a successful result. JEA will decide prior to contract execution if a one-time complete install or a two-phase approach would be more beneficial.

The request is for the purchase of GPS, mobile Wi-Fi hotspot, driver ID, and panic button equipment and hardware, installation of all the equipment on JEA's fleet and for a three (3) years LiGO Platform as a Service (PaaS) license and software subscription contract from 12/18/2019 to 12/17/2022 for \$3,474,554.00 total. LiGO® is the brand name of MarshallGIS' GPS vehicle tracking product. The annual subscription pricing of \$274,688.00 is fixed for the initial three (3) year term of the contract and will be CPI adjusted during renewals.

The post pilot final quote amount of \$3,459,404.00 increased from the BAFO pricing of \$2,673,409.00 due to a number of discoveries during the five (5) asset pilot with MarshallGIS. JEA vetted the equipment price changes with another third party provider. At the recommendation of the manufacturer, Cradlepoint, JEA decided to upgrade to more capable Cradlepoint wireless router (600M to 1200M) and parsec antenna (5-in - to 9-in-1) hardware devices than originally quoted. This upgrade will also include three years of NetCloud Essentials for mobile routers and the LiGO software key necessary to connect all the peripherals (HID, Buzzer, Panic button, LiGO Engine) to the Cradlepoint wireless router hardware. Cradlepoint recommended the upgrade in the antenna over what was originally quoted by MarshallGIS due to significant higher performance during the pilot field testing. The larger antenna hardware upgrade also resulted in a higher installation cost. The driver ID solution using JEA's badge was quoted as a higher price optional solution in the BAFO, however, JEA decided to proceed with this higher priced solution in the final quote due to the many benefits of using existing JEA badges for Driver ID. Finally, the cost of GPS Engine Diagnostics for the equipment and trailer assets specifically was included as optional in the BAFO but JEA required this capability be included in the final post pilot quote. The total award amount is over the original expected budget, however, new capital funding has been secured.

The cost breakdown is shown in the table below including a BAFO vs. final post pilot quote comparison (Numerous other items are included at no additional cost on the backup final post pilot quote attached):

Item Description	Quantity	BAFO Unit Price	Post Pilot Final Unit Price	Final Extended Cost
Cradlepoint Wireless Router/GPS Telematic Tracking 3 yr NetCloud	1010	\$1,080.00	\$1,245.00	\$1,257,450.00
Parsec 9-in 1 Antenna	1010	\$200.00	\$400.00	\$404,000.00
Y-Splitter Cable	1010	Not Included	\$15.00	\$15,150.00
Cradlepoint Router Provisioning Fee	1010	\$20.00	\$20.00	\$20,200.00
Cradlepoint Router Installation	1010	\$125.00	\$225.00	\$227,250.00
LiGO GPS Device Setup & Config.	56	\$150.00	\$140.00	\$7,840.00
CalAmp GPS Installation	56	\$125.00	\$125.00	\$7,000.00
CalAmp Trailer Tracking Unit	257	\$200.00	\$180.00	\$46,260.00
CalAmp Trailer Tracking Unit Install	257	\$100.00	\$85.00	\$21,845.00
HID DriverID Reader Package	1010	\$85.00	\$230.00	\$232,300.00
HID DriverID Reader Package Install	1010	\$75.00	\$75.00	\$75,750.00
Panic Button	1010	\$15.00	\$15.00	\$15,150.00
Panic Button Install	1010	\$40.00	\$40.00	\$40,400.00
LiGO GPS Engine Diagnostics Setup	1010	Optional Not Inc. \$200.00	\$200.00	\$202,000.00
LiGO Annual Subscription 3 yrs	1322	\$204.00	\$204.00	\$809,064.00
LiGO API License Annual Subscrip.	3 yrs	\$5,000.00	\$5000.00	\$15,000.00
LiGO 2 Day Onsite Training	1	\$3,500.00	\$3500.00	\$3500.00
Deinstall of Existing JEA equipment	1322	\$45.00	\$35.00	\$46,270.00
LiGO Professional Service Hours	150	Optional Not Inc. \$187.50	\$187.50	\$28,125.00
TOTAL AWARD COST				\$3,474,554.00

Award #2 Supporting Documents

038-19-Request approval to award a contract to MarshallGIS for JEA Global Positioning System (GPS) and Telematics with Mobile Hot Spot Capability, Driver ID, and Panic Button Solution for a total not-to-exceed amount of \$3,474,554.00, subject to the availability of lawfully appropriated funds.

Director: Edgar, Cindy L. - Dir Eng Systems & PMO
VP: Eads, Shawn W. - VP & Chief Information Officer

APPROVALS:

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Chairman, Awards Committee **Date**

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Manager, Capital Budget Planning **Date**



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QUOTE

To:	From:
Nathan Woyak JEA 21 West Church Street Jacksonville, FL32202 Email: woyanj@jea.com Phone: (904) 665-6155	Terry Bartlett MarshallGIS 2915 N Cole Rd. Boise, ID 83704 Email: tbartlett@marshallgis.com Phone: (208) 514-0411

Summary

Total Quote Amount:	\$3,474,554.00	Quote #:	QUO-01036-K1
Project Name:	GPS Telematics & Wireless Hotspot - Option A - Cradlepoint Wireless Hotspot	Revision #:	5
Issue Date:	12/6/2019	Effective For:	180

Scope Pricing

Line Item	Product	Quantity	Bid Price/Unit	Extended Cost
1	Cradlepoint IBR1700-1200 Wireless Router/Wi-Fi Hotspot/GPS Telematic Tracking Device (includes 3-yr NetCloud Essentials for Mobile Routers (Prime))	1,010	\$1,245.00	\$1,257,450.00
2	Parsec PRO9H4L4WG15B, 9-in-1 double MIMO LTE two element MIMO Wi-Fi and GNSS external waterproof antenna. 15 FT cables and black radome, 5607736.	1,010	\$400.00	\$404,000.00
3	Y-Splitter Cable	1,010	\$15.00	\$15,150.00
4	Cradlepoint IBR1700-1200 Provisioning Fee - includes configuration, testing, activation (SIM cards and provisioning provided by JEA)	1,010	\$20.00	\$20,200.00
5	Installation Service - Cradlepoint IBR1700 Series	1,010	\$225.00	\$227,250.00
6	LiGO® Light & Heavy Vehicle GPS Telematics Device (LMU-2630) Setup & Configuration - Does not include engine diagnostics	56	\$140.00	\$7,840.00
7	Installation Service - CalAmp LMU-2600 Series GPS Telematics wired Device (3-wire) (No ECU Readings)	56	\$125.00	\$7,000.00
8	CalAmp TTU-700 Series 7 Year Non-Rechargeable Battery Operated Trailer Tracking Unit or CalAmp TTU-2830 - 6 Month Rechargeable Trailer Tracking or Unit	257	\$180.00	\$46,260.00
9	Installation Service - CalAmp TTU-700 Series 7 Year Non-Rechargeable Battery Operated Trailer Tracking Unit or CalAmp TTU-2830 - 6 Month Rechargeable Trailer Tracking Unit	257	\$85.00	\$21,845.00
10	HID Driver ID Reader Package (includes 1 ea.HID RFID Reader, buzzer)	1,010	\$230.00	\$232,300.00
11	Installation Service - Driver ID Package (includes 1 ea. HID RFID Reader, buzzer)	1,010	\$75.00	\$75,750.00
12	Panic Button (CalAmp Switch/LED and Cable Assembly)	1,010	\$15.00	\$15,150.00
13	Installation Service - Panic Button (CalAmp Switch/LED and Cable Assembly)	1,010	\$40.00	\$40,400.00
14	LiGO® Light & Heavy Vehicle GPS Device Engine Diagnostics Setup & Configuration - ECU (OBD2 and j1939) engine diagnostics	1,010	\$200.00	\$202,000.00
15	LiGO® Subscription: 3 year Annual (\$17/mo./connected device) - Includes all of Platform as a Service including telematics devices - Includes Driver ID Service	1,322	\$204.00	\$809,064.00
16	LiGO® ACCESS API License - 3 year Annual Subscription	1	\$5,000.00	\$15,000.00
17	LiGO® 2-day Onsite Training	1	\$3,500.00	\$3,500.00

Award #2 Supporting Documents

18	LiGO® Professional Services (per hour)	150	\$187.50	\$28,125.00
19	Uninstall Existing JEA Equipment	1,322	\$35.00	\$46,270.00
20	Dispatch/Jobs Module	Unlimited		included
21	Maintenance Module	Unlimited		included
22	LiGO® Mobile	Unlimited		included
23	Unlimited Web Based Training	Unlimited		included
24	Unlimited System Users	Unlimited		included
25	Device Shipping & Handling	1,322	\$0.00	\$0.00
			Total Award Investment	\$3,474,554.00

Optional Item Pricing

Line Item	Product	Quantity	Price/Unit	Extended Cost
26	Managed Service: SIMS - 1 year Managed Service 1. Advanced billing with unlimited service calls and spare in the air service for RMA and Repair	1,010	\$150.00	\$151,500.00
26	LiGO® Light & Heavy Vehicle GPS Device (LMU-2630) Setup & Configuration - 5 digital inputs - ECU (OBDII and j1939) engine diagnostics	1	\$200.00	\$200.00
27	LiGO® Heavy Vehicle GPS Device (LMU-4230) Setup & Configuration - options for 7 digital inputs (including Driver ID) - With J1708/J1939 Connector - Includes ECU diagnostics	1	\$350.00	\$350.00
28	CalAmp LMU-4200 Series GPS Device Installation	1	\$135.00	\$135.00
29	2600/4200 Series Installation Service - Additional Sensor Inputs	1	\$30.00	\$30.00
30	CalAmp LMU-2600/4200 Series GPS Device Additional Input Setup and Configuration	1	\$50.00	\$50.00
31	Driver ID Package iButton (includes 1 ea. RFID Reader, buzzer)	1,010	\$35.00	\$35,350.00
32	Driver ID KeyFob / Tags (iButton) - 10 Pack Setup & Configuration - Includes KeyFob	101	\$50.00	\$5,050.00
33	Driver ID Package Installation (includes 1 ea. RFID Reader, buzzer)	1,010	\$75.00	\$75,750.00
34	LiGO® Professional Services (per day)	1	\$1,500.00	\$1,500.00

Quote Assumptions

1. Upon Acceptance of this Quote, JEA acknowledges that they have read and understand both the "Master License Agreement", and the "Software Maintenance and Services Delivery Agreement".
2. MarshallGIS will deliver a vehicle information sheet to JEA to finalize the appropriate devices and cabling to use for each particular vehicle.
3. Only those services provided by this quote, and accepted by JEA, are provided for this project's scope of work. Additional services above and beyond this quote may be subject to additional charges.
4. This quote assumes that payment will be made upfront, and on a recurring annual basis.
5. Installation services costs are included with this Quote. Installation costs are subject to change and will be finalized based on completed vehicle information list.
6. Data plan for Wireless Router/GPS Telematics/Wireless Hotspot device is not included in this quote. MarshallGIS understands that JEA will provide data plan.
7. MarshallGIS is including our LiGO® ACCESS API for integration to the JEA's existing ArcGIS, FMS, Maximo and other business systems.
8. Applicable taxes not included in this quote but will be added upon final determination.

Award #2 Supporting Documents

# 038-19 JEA Fleet Services GPS and Telematics Appendix B - Response Workbook (BAFO) (Revised)										
<<insert Respondent Name here>>										
Number of Assets										
Light Duty Vehicle	348									
Medium Duty Vehicle	423									
Heavy Duty Vehicle	238									
Off Road Equipment	56									
Trailer	132									
Trailer Mounted Equipment	125									
Base Unit GPS Pricing (Enter Unit Prices in Green Cells Only)										
JEA will select the most price advantageous option (Purchase of hardware or leasing option) based on a total three year cost of the monthly administration fees plus any upfront, onetime charges. If a respondent supplies pricing for both options, JEA will choose the lowest overall price of three-year monthly service fee and one-time charges. One-time charges should not include mobile hot spot hardware, installation and training fees, and driver identification hardware; those charges shall be included in the appropriate fields below. The monthly service fee should include all services in the technical specification labeled with "Base Unit Pricing." JEA will handle provisioning of devices on the JEA cellular network of choice.										
Lease					Purchase					
	Hardware		Software		Hardware		Software			
	Monthly Lease Rate	3 Year Total	Monthly SaaS Rate	3 Year Total	One Time Charge	3 Year Total	Monthly SaaS Rate	3 Year Total		
Light/Medium/Heavy Duty Vehicle	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Off Road Equipment	\$ 11.00	\$ 22,176.00	\$ 17.00	\$ 34,272.00	\$ 140.00	\$ 7,840.00	\$ 17.00	\$ 34,272.00	\$ -	
Trailer	\$ 12.00	\$ 57,024.00	\$ 17.00	\$ 80,784.00	\$ 180.00	\$ 23,760.00	\$ 15.00	\$ 71,280.00	\$ -	
Trailer Mounted Equipment	\$ 12.00	\$ 54,000.00	\$ 17.00	\$ 76,500.00	\$ 180.00	\$ 22,500.00	\$ 15.00	\$ 67,500.00	\$ -	
Total Three Years		\$ 133,200.00		\$ 191,556.00		\$ 54,100.00		\$ 173,052.00		
Mobile Hot Spot Device Pricing (Enter Unit Prices in Green Cells Only) Cradlepoint IBR1700										
JEA will select the most price advantageous option (Purchase of hardware or leasing option) based on a total three year cost of the monthly fee plus any upfront, onetime charges. If a respondent supplies pricing for both options, JEA will choose the lowest overall price of three-year monthly service fee and one-time charges. One-time charges should not include installation and training fees. Those charges shall be included in the appropriate fields below. The monthly service fee should include all services in the technical specification labeled with "Base Unit Pricing." JEA will handle provisioning of devices on the JEA cellular network of choice.										
Lease					Purchase					
	Hardware		Software		Hardware		Software			
	Monthly Lease Rate	3 Year Total	Monthly SaaS Rate	3 Year Total	One Time Charge	3 Year Total	Monthly SaaS Rate	3 Year Total		
Light Duty Vehicle	\$ 100.00	\$ 1,252,800.00	\$ 17.00	\$ 212,976.00	\$ 1,495.00	\$ 520,260.00	\$ 17.00	\$ 212,976.00	\$ -	
Medium Duty Vehicle	\$ 100.00	\$ 1,522,800.00	\$ 17.00	\$ 258,876.00	\$ 1,495.00	\$ 632,385.00	\$ 17.00	\$ 258,876.00	\$ -	
Heavy Duty Vehicle	\$ 100.00	\$ 856,800.00	\$ 17.00	\$ 145,656.00	\$ 1,495.00	\$ 355,810.00	\$ 17.00	\$ 145,656.00	\$ -	
Total Three Year Price		\$ 3,632,400.00		\$ 617,508.00		\$ 1,508,455.00		\$ 617,508.00		
Installation and Training Unit Pricing (Enter Unit Prices in Green Cells Only)										
Installation cost should include the total price to completely install a new unit on a JEA asset. Do not include this in the up-front charges. This pricing shall include the detailed requirements labeled with "Installation and Training Unit Pricing" in the technical specification as well as the proposed solution. Training cost shall include all items in the technical specification as well as the proposed solution.										
	Installation, Deinstallation, & Training Charges		One Time Lump Sum		Installation, Deinstallation, & Training Charges		One Time Lump Sum			
Installation - Light Duty/Per Unit	\$ 125.00	\$ 43,500.00	\$ 125.00	\$ 43,500.00	\$ 125.00	\$ 43,500.00	\$ 125.00	\$ 43,500.00	\$ -	
Installation - Med Duty/Per Unit	\$ 125.00	\$ 52,875.00	\$ 125.00	\$ 52,875.00	\$ 125.00	\$ 52,875.00	\$ 125.00	\$ 52,875.00	\$ -	
Installation - Heavy Duty/Per Unit	\$ 125.00	\$ 29,750.00	\$ 125.00	\$ 29,750.00	\$ 125.00	\$ 29,750.00	\$ 125.00	\$ 29,750.00	\$ -	
Installation - Off-Road/Per Unit	\$ 125.00	\$ 7,000.00	\$ 125.00	\$ 7,000.00	\$ 125.00	\$ 7,000.00	\$ 125.00	\$ 7,000.00	\$ -	
Installation - Trailers/Per Unit	\$ 85.00	\$ 11,220.00	\$ 85.00	\$ 11,220.00	\$ 85.00	\$ 11,220.00	\$ 85.00	\$ 11,220.00	\$ -	
Installation - Trailer Mounted Equipment/Per Unit	\$ 85.00	\$ 10,625.00	\$ 85.00	\$ 10,625.00	\$ 85.00	\$ 10,625.00	\$ 85.00	\$ 10,625.00	\$ -	
Deinstallation - Per Unit	\$ 45.00	\$ 59,490.00	\$ 45.00	\$ 59,490.00	\$ 45.00	\$ 59,490.00	\$ 45.00	\$ 59,490.00	\$ -	
Training (Total Charge for Plan Proposed)	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ -	
Total Training & Installation Cost		\$ 217,960.00		\$ 217,960.00		\$ 217,960.00		\$ 217,960.00		
Driver Identification Pricing (Enter Unit Prices in Green Cells Only)										
JEA will select the most price advantageous option (Purchase of hardware or leasing option) based on a total three year cost of the monthly fee plus any upfront, onetime charges. If a respondent supplies pricing for both options, JEA will choose the lowest overall price of three-year monthly service fee and one-time charges. One-time charges should not include installation and training fees.										
Lease					Purchase					
	Hardware		Software		Hardware		Software			
	Monthly Lease Rate	3 Year Total	Monthly SaaS Rate	3 Year Total	One Time Charge	3 Year Total	Monthly SaaS Rate	3 Year Total		
Light Duty Vehicle	\$ 5.00	\$ 62,640.00	\$ -	\$ -	\$ 35.00	\$ 12,180.00	\$ 1.00	\$ 12,528.00	\$ -	
Medium Duty Vehicle	\$ 5.00	\$ 76,140.00	\$ -	\$ -	\$ 35.00	\$ 14,805.00	\$ 1.00	\$ 15,228.00	\$ -	
Heavy Duty Vehicle	\$ 5.00	\$ 42,840.00	\$ -	\$ -	\$ 35.00	\$ 8,330.00	\$ 1.00	\$ 8,568.00	\$ -	
Total Three Year Price		\$ 181,620.00		\$ -		\$ 35,315.00		\$ 36,324.00		
System Integration Pricing (Enter Unit Prices in Green Cells Only)										
The system integration pricing shall represent the costs associated to JEA for providing system integration components internal to the system described in this ITN. The Contractor shall also be responsible for API's for integration with the new system in addition to the following external systems: CGI's FMS, ESRI's ArcGIS Suite, Energy Management System (EMS), and Third Party JEA Software.										
Lease					Purchase					
	One Time Charge		3 Year Total		One Time Charge		3 Year Total			
System Integration Pricing	\$ 5,000.00	\$ 15,000.00	\$ 5,000.00	\$ 15,000.00	\$ 5,000.00	\$ 15,000.00	\$ 5,000.00	\$ 15,000.00	\$ -	
Unit Pricing (Enter Unit Prices in Green Cells Only)										
JEA will select the most advantageous options based on price and proposed solution. The options listed should include, at a minimum, the requirements listed in the technical specification labeled "Optional Unit Pricing." If a respondent supplies more than one price for similar optional features (i.e. Panic Button), JEA will select the best value option based on price and proposed functionality, which may not necessarily be the lowest overall priced option.										
Lease					Purchase					
	Hardware		Software		Hardware		Software			
	Monthly Lease Rate	3 Year Total	Monthly SaaS Rate	3 Year Total	One Time Charge	3 Year Total	Monthly SaaS Rate	3 Year Total		
Panic Button - This pricing should reflect the panic button solution that is defined in the Respondent's proposal. It will be scored per the Evaluation Matrix. This price shall include installation.	\$ 1.00	\$ 38,340.00	\$ -	\$ -	\$ 15.00	\$ 15,975.00	\$ -	\$ -	\$ -	
Total Three Year Price		\$ 38,340.00		\$ 38,340.00		\$ 15,975.00		\$ 15,975.00		
Total Pricing										
(Transfer the lowest of the Lease or Purchase amounts to Appendix B Response Form, JEA will only use the lowest amount for evaluation and award purposes)	Lease					Purchase				
TOTAL THREE YEAR PRICE GPS & HOTSPOT & DRIVER IDENTIFICATION					\$ 5,027,584.00					\$ 2,673,409.00
Optional Pricing (Enter Unit Prices in Green Cells Only)										
This Section includes an optional pricing component. The pricing solicited below is for information only and shall not be evaluated as basis for award.										
Lease					Purchase					
	Hardware		Software		Hardware		Software			
	Monthly Lease Rate	3 Year Total	Monthly SaaS Rate	3 Year Total	One Time Charge	3 Year Total	Monthly SaaS Rate	3 Year Total		
Vehicle Camera - Provision and Installation	\$ 17.00	\$ 617,508.00	\$ -	\$ -	\$ 300.00	\$ 302,700.00	\$ -	\$ -	\$ -	
Light/Medium/Heavy Duty Vehicle		\$ 617,508.00		\$ -		\$ 302,700.00		\$ -		
Lease					Purchase					
	Blended Hourly Rate	Estimated QTY hours	3 Year Total		Blended Hourly Rate	Estimated QTY hours	3 Year Total			
Additional System Integration Pricing - Ad Hoc Hourly Rates	\$ 200.00				\$ 200.00				\$ -	
The solicited hourly rate is blended and shall be all inclusive of personnel required for non-travel related hourly integration services for the duration of contract.									\$ -	

Award #2 Supporting Documents

ITN# 038-19 - GPS and Fleet Analytics

Round 1						
Overall Average Vendor Scores	Appendix B - Quotation of Rates (50 Points)	Design Approach and Workplan (35 Points)	Past Performance / Company Experience (10 Points)	Ability to Meet the Functionality Preferences (5 Points)	Total	Rank
BSM Analytics	15.43	24.20	3.40	2.80	45.83	5
LB Technology, Inc.	50.00	20.40	6.80	2.60	79.80	1
Marshall GIS	21.13	25.80	5.60	4.10	56.63	3
Synovia Solutions	24.38	25.40	4.80	3.60	58.18	2
Verizon & Source, Inc.	17.72	21.40	7.20	2.60	48.92	4
USAT Corp	20.74	18.60	4.40	1.80	45.54	6

Brunell	Appendix B - Quotation of Rates (50 Points)	Design Approach and Workplan (35 Points)	Past Performance / Company Experience (10 Points)	Ability to Meet the Functionality Preferences (5 Points)	Total	Rank
BSM Analytics	15.43	19.0	4.0	3.0	41.43	6
LB Technology, Inc.	50.00	16.0	5.0	2.0	73.00	1
Marshall GIS	21.13	24.0	7.0	4.0	56.13	2
Synovia Solutions	24.38	17.0	3.0	2.0	46.38	4
Verizon & Source, Inc.	17.72	18.0	8.0	3.0	46.72	3
USAT Corp	20.74	17.0	2.0	2.0	41.74	5

Edgar	Appendix B - Quotation of Rates (50 Points)	Design Approach and Workplan (35 Points)	Past Performance / Company Experience (10 Points)	Ability to Meet the Functionality Preferences (5 Points)	Total	Rank
BSM Analytics	15.43	24.0	7.0	2.0	48.43	6
LB Technology, Inc.	50.00	31.0	9.0	2.0	92.00	1
Marshall GIS	21.13	31.0	7.0	4.0	63.13	3
Synovia Solutions	24.38	32.0	8.0	3.0	67.38	2
Verizon & Source, Inc.	17.72	23.0	8.0	2.0	50.72	4
USAT Corp	20.74	22.0	7.0	0.0	49.74	5

Edwards	Appendix B - Quotation of Rates (50 Points)	Design Approach and Workplan (35 Points)	Past Performance / Company Experience (10 Points)	Ability to Meet the Functionality Preferences (5 Points)	Total	Rank
BSM Analytics	15.43	21.0	2.0	2.0	40.43	5
LB Technology, Inc.	50.00	11.0	6.0	2.0	69.00	1
Marshall GIS	21.13	23.0	4.0	4.0	52.13	3
Synovia Solutions	24.38	26.0	4.0	5.0	59.38	2
Verizon & Source, Inc.	17.72	16.0	7.0	1.0	41.72	4
USAT Corp	20.74	12.0	4.0	1.0	37.74	6

Scheel	Appendix B - Quotation of Rates (50 Points)	Design Approach and Workplan (35 Points)	Past Performance / Company Experience (10 Points)	Ability to Meet the Functionality Preferences (5 Points)	Total	Rank
BSM Analytics	15.43	30.0	4.0	3.0	52.43	5
LB Technology, Inc.	50.00	26.0	8.0	4.0	88.00	1
Marshall GIS	21.13	29.0	7.0	4.5	61.63	3
Synovia Solutions	24.38	28.0	6.0	4.0	62.38	2
Verizon & Source, Inc.	17.72	23.0	7.0	3.0	50.72	6
USAT Corp	20.74	25	6	3	54.74	4

Traylor	Appendix B - Quotation of Rates (50 Points)	Design Approach and Workplan (35 Points)	Past Performance / Company Experience (10 Points)	Ability to Meet the Functionality Preferences (5 Points)	Total	Rank
BSM Analytics	15.43	27.0	0.0	4.0	46.43	5
LB Technology, Inc.	50.00	18.0	6.0	3.0	77.00	1
Marshall GIS	21.13	22.0	3.0	4.0	50.13	4
Synovia Solutions	24.38	24.0	3.0	4.0	55.38	2
Verizon & Source, Inc.	17.72	27.0	6.0	4.0	54.72	3
USAT Corp	20.74	17.0	3.0	3.0	43.74	6

Total Vendor Scores	Brunell	Edgar	Edwards	Scheel	Traylor
BSM Analytics	41.43	48.43	40.43	52.43	46.43
LB Technology, Inc.	73.00	92.00	69.00	88.00	77.00
Marshall GIS	56.13	63.13	52.13	61.63	50.13
Synovia Solutions	46.38	67.38	59.38	62.38	55.38
Verizon & Source, Inc.	46.72	50.72	41.72	50.72	54.72
USAT Corp	41.74	49.74	37.74	54.74	43.74

Quotation Amounts	TOTAL BID PRICE
BSM Analytics	\$ 3,749,439.00
LB Technology, Inc.	\$ 1,156,729.00
Marshall GIS	\$ 2,736,980.00
Synovia Solutions	\$ 2,372,423.00
Verizon & Source, Inc.	\$ 3,263,759.83
USAT Corp	\$ 2,788,955.94

Award #2 Supporting Documents

ITN# 038-19 - JEA Fleet Services GPS and Telematics

Overall Average Vendor Scores	BAFO Pricing	Round 1					Round 2		
	Appendix B - Quotation of Rates (50 Points)	Design Approach and Workplan (35 Points)	Past Performance / Company Experience (10 Points)	Ability to Meet the Functionality Preferences (5 Points)	Total	Rank	Vendor Presentation (25 Points)	Grand Total	Grand Total Rank
Marshall GIS	33.50	25.80	5.60	4.10	69.00	2	24.00	93.00	2
Synovia Solutions	50.00	25.40	4.80	3.60	83.80	1	14.40	98.20	1
Verizon & Source, Inc.	32.18	21.40	7.20	2.60	63.38	3	16.20	79.58	3

Brunell	Appendix B - Quotation of Rates (50 Points)	Design Approach and Workplan (35 Points)	Past Performance / Company Experience (10 Points)	Ability to Meet the Functionality Preferences (5 Points)	Total	Rank	Vendor Presentation (25 Points)	Grand Total	Grand Total Rank
Marshall GIS	33.50	24.0	7.0	4.0	68.50	2	24	92.50	1
Synovia Solutions	50.00	17.0	3.0	2.0	72.00	1	15	87.00	2
Verizon & Source, Inc.	32.18	18.0	8.0	3.0	61.18	3	18	79.18	3

Edgar	Appendix B - Quotation of Rates (50 Points)	Design Approach and Workplan (35 Points)	Past Performance / Company Experience (10 Points)	Ability to Meet the Functionality Preferences (5 Points)	Total	Rank	Vendor Presentation (25 Points)	Grand Total	Grand Total Rank
Marshall GIS	33.50	31.0	7.0	4.0	75.50	2	25	100.50	2
Synovia Solutions	50.00	32.0	8.0	3.0	93.00	1	9	102.00	1
Verizon & Source, Inc.	32.18	23.0	8.0	2.0	65.18	3	16	81.18	3

Edwards	Appendix B - Quotation of Rates (50 Points)	Design Approach and Workplan (35 Points)	Past Performance / Company Experience (10 Points)	Ability to Meet the Functionality Preferences (5 Points)	Total	Rank	Vendor Presentation (25 Points)	Grand Total	Grand Total Rank
Marshall GIS	33.50	23.0	4.0	4.0	64.50	2	25	89.50	2
Synovia Solutions	50.00	26.0	4.0	5.0	85.00	1	20	105.00	1
Verizon & Source, Inc.	32.18	16.0	7.0	1.0	56.18	3	16	72.18	3

Scheel	Appendix B - Quotation of Rates (50 Points)	Design Approach and Workplan (35 Points)	Past Performance / Company Experience (10 Points)	Ability to Meet the Functionality Preferences (5 Points)	Total	Rank	Vendor Presentation (25 Points)	Grand Total	Grand Total Rank
Marshall GIS	33.50	29.0	7.0	4.5	74.00	2	22	96.00	2
Synovia Solutions	50.00	28.0	6.0	4.0	88.00	1	22	110.00	1
Verizon & Source, Inc.	32.18	23.0	7.0	3.0	65.18	3	19	84.18	3

Traylor	Appendix B - Quotation of Rates (50 Points)	Design Approach and Workplan (35 Points)	Past Performance / Company Experience (10 Points)	Ability to Meet the Functionality Preferences (5 Points)	Total	Rank	Vendor Presentation (25 Points)	Grand Total	Grand Total Rank
Marshall GIS	33.50	22.0	3.0	4.0	62.50	3	24	86.50	2
Synovia Solutions	50.00	24.0	3.0	4.0	81.00	1	6	87.00	1
Verizon & Source, Inc.	32.18	27.0	6.0	4.0	69.18	2	12	81.18	3

Total Vendor Scores	Brunell	Edgar	Edwards	Scheel	Traylor
Marshall GIS	92.50	100.50	89.50	96.00	86.50
Synovia Solutions	87.00	102.00	105.00	110.00	87.00
Verizon & Source, Inc.	79.18	81.18	72.18	84.18	81.18

Quotation Amounts	TOTAL BID PRICE	TOTAL BID PRICE (BAFO)	TOTAL BID PRICE (BAFO) Points
Marshall GIS**	\$ 2,736,980.00	\$ 2,673,409.00	33.50
Synovia Solutions*	\$ 2,372,423.00	\$ 1,791,122.52	50.00
Verizon & Source, Inc.**	\$ 3,263,759.83	\$ 2,783,321.17	32.18

*Cal-Amp device
**Cradlepoint device



PreCise MRM LLC.

A subsidiary of FORCE America, Inc.
501 East Cliff Road
Burnsville, MN 55337
(888) 449-0357

Date: 11/9/23

Total Pages (including cover):3

To: JEA
PO Box 4910
Jacksonville FL 32201-4910
USA

Attn:
Email: jwendt@precisemrm.com

From: PreCise MRM LLC
1311 E. Franklin Road
Suite 101/102
Meridian ID 83642
USA
sales@precisemrm.com

Phone Number:888-449-0357
FAX Number:952-252-3740

Subject: PreCise Quote: JEA
Message:



PreCise MRM LLC.

A subsidiary of FORCE America, Inc.
501 East Cliff Road
Burnsville, MN 55337
(888) 449-0357

Date: 11/7/23

Total Pages (including cover):3

To: JEA
PO Box 4910
Jacksonville FL 32201-4910
USA

Attn:
Email: jwendt@preciserm.com

From: PreCise MRM LLC
3130 Intertech Dr
Brookfield WI 53045-5113
USA
sales@preciserm.com

Phone Number:888-449-0357

FAX Number:952-252-3740

Subject: PreCise Quote: JEA

Message:



PreCise MRM LLC.
 A subsidiary of FORCE America, Inc.
 501 East Cliff Road
 Burnsville, MN 55337
 (888) 449-0357

QUOTE
QT200-1006110-1

DATE
 11/7/2023
 PAGE
 2 OF 3

SOLD TO
 680164
JEA
 PO Box 4910
 Jacksonville FL 32201-4910
 USA

SHIP TO
 262269
JEA Commonwealth Service Center
 6674 Commonwealth Ave
 Jacksonville FL 32254-2218
 USA

Expiration Date: 12/7/2023 Customer Ref.: Customer P/O: Customer Contact: Payment Terms: Net 30 Days Sales Rep: Wendt, Jay C F.O.B.: Meridian, ID	Ship From: PreCise MRM LLC Site 180 3130 Intertech Dr Brookfield WI 53045-5113 USA
--	---

NOTES

	PRODUCT / DESCRIPTION	QTY	U/M	PRICE	EXTENSION
1	1192038 Rev. A Assembly, LMU-3640MB, LTE, CAT M1 (with Internal Battery, SIM, 5C360) <i>LiGO® Setup & Configuration - GM001</i>	261	EA	325.00	84,825.00
2	1182409 Rev. A Cable, OBDII x OBDIII, 2M x .3M, w/dash bracket, HTC-013-Y2 <i>HTC-013-Y2</i>	214	EA	40.00	8,560.00
3	1182407 Rev. A Cable, Splitter, 16P x J1939, Molex, M2, Green, Flanged (plate), EHTC-010-Y2 <i>HTC-010-Y2</i>	47	EA	50.00	2,350.00
4	1193455 Rev. A Kit, Driver ID, with HIDRFID Reader and MDT12 Serial Adapter <i>LiGO® HID RFID Driver ID</i>	261	EA	265.00	69,165.00
5	1185809 Panic Button Assy, Flush Mnt, 60", Green LED <i>Panic Button Assy</i>	261	EA	35.00	9,135.00

 Prices Are Not Guaranteed And Are Subject To Change
 Lead Times & Delivery Dates Are Based Upon Current Information And Are Subject to Change
 Unless Otherwise Noted, Prices Do Not Include Freight

Accepted By: _____
Date: _____

MERCHANDISE TOTAL: \$174,035.00
MISC CHARGE: \$0.00
TAX: \$0.00
QUOTE TOTAL: \$174,035.00

Questions about your order? Contact us by phone at 888-449-0357 or email us at sales@precisemrm.com



PreCise MRM LLC.
 A subsidiary of FORCE America, Inc.
 501 East Cliff Road
 Burnsville, MN 55337
 (888) 449-0357

QUOTE
QT200-1006116-2

DATE
 11/9/2023
 PAGE
 2 OF 3

SOLD TO
 680164
JEA
 PO Box 4910
 Jacksonville FL 32201-4910
 USA

SHIP TO
 262269
JEA Commonwealth Service Center
 6674 Commonwealth Ave
 Jacksonville FL 32254-2218
 USA

Expiration Date: 12/9/2023 Customer Ref.: Trailers and Equipment Customer P/O: Customer Contact: Payment Terms: Net 30 Days Sales Rep: Wendt, Jay C F.O.B.: Meridian, ID	Ship From: PreCise MRM LLC Site 180 1311 E. Franklin Road Suite 101/102 Meridian ID 83642 USA
---	---

NOTES

PRODUCT / DESCRIPTION	QTY	U/M	PRICE	EXTENSION								
1 1196220 Rev. A Assembly, TTU-2830, LTE CAT M1, Device and Sim LiGO® Setup & Configuration DMW01	28	EA	275.00	7,700.00								
***** Prices Are Not Guaranteed And Are Subject To Change Lead Times & Delivery Dates Are Based Upon Current Information And Are Subject to Change Unless Otherwise Noted, Prices Do Not Include Freight *****												
Accepted By: _____ Date: _____	<table border="0" style="width: 100%;"> <tr> <td>MERCHANDISE TOTAL:</td> <td>\$7,700.00</td> </tr> <tr> <td>MISC CHARGE:</td> <td>\$0.00</td> </tr> <tr> <td>TAX:</td> <td>\$0.00</td> </tr> <tr> <td>QUOTE TOTAL:</td> <td>\$7,700.00</td> </tr> </table>				MERCHANDISE TOTAL:	\$7,700.00	MISC CHARGE:	\$0.00	TAX:	\$0.00	QUOTE TOTAL:	\$7,700.00
MERCHANDISE TOTAL:	\$7,700.00											
MISC CHARGE:	\$0.00											
TAX:	\$0.00											
QUOTE TOTAL:	\$7,700.00											

Questions about your order? Contact us by phone at 888-449-0357 or email us at sales@precisemrm.com



PreCise MRM LLC.

A subsidiary of FORCE America, Inc.
501 East Cliff Road
Burnsville, MN 55337
(888) 449-0357

Date: 8/10/23

Total Pages (including cover):4

To: JEA
PO Box 4910
Jacksonville FL 32201-4910
USA

Attn: Greg Turner
Email: cahoke@precisemrm.com

From: PreCise MRM LLC
3130 Intertech Dr
Brookfield WI 53045-5113
USA
sales@precisemrm.com

Phone Number:888-449-0357

FAX Number:952-252-3740

Subject:

Message:



PreCise MRM LLC.
 A subsidiary of FORCE America, Inc.
 501 East Cliff Road
 Burnsville, MN 55337
 (888) 449-0357

QUOTE
QT200-1005881-5

DATE
 8/10/2023
PAGE
 2 OF 4

SOLD TO
680164
JEA
 PO Box 4910
 Jacksonville FL 32201-4910
 USA

SHIP TO
262269
JEA Commonwealth Service Center
 6674 Commonwealth Ave
 Jacksonville FL 32254-2218
 USA

Expiration Date: 9/30/2024 Customer Ref.: Annual LiGO Subscription Quote Customer P/O: Oct 2023-Sept 2024 Customer Contact: Greg Turner Payment Terms: Net 30 Days Sales Rep: Wendt, Jay C F.O.B.: Meridian, ID	Ship From: PreCise MRM LLC Site 180 3130 Intertech Dr Brookfield WI 53045-5113 USA
--	--

NOTES

JEA
 Attn: Greg Turner
 Annual LiGO subscription quote invoiced monthly between October 2023 and October, 2024
 Quote based on expected monthly billing for LiGO subscriptions on current contracted quantities

	PRODUCT / DESCRIPTION	QTY	U/M	PRICE	EXTENSION
1	1182557 Rev. A LiGO Subscription Annual: 1 Year - Paid Monthly <i>LSUB1M</i>	1800	EA	17.00	30,600.00
					October 2023
2	1182557 Rev. A LiGO Subscription Annual: 1 Year - Paid Monthly <i>LSUB1M</i>	2000	EA	17.00	34,000.00
					November 2023
3	1182557 Rev. A LiGO Subscription Annual: 1 Year - Paid Monthly <i>LSUB1M</i>	2200	EA	17.00	37,400.00
					December 2023
4	1182557 Rev. A LiGO Subscription Annual: 1 Year - Paid Monthly <i>LSUB1M</i>	2200	EA	17.00	37,400.00
					January 2024
5	1182557 Rev. A LiGO Subscription Annual: 1 Year - Paid Monthly <i>LSUB1M</i>	2200	EA	17.00	37,400.00
					February 2024
6	1182557 Rev. A LiGO Subscription Annual: 1 Year - Paid Monthly <i>LSUB1M</i>	2200	EA	17.00	37,400.00
					March 2024
7	1182557 Rev. A LiGO Subscription Annual: 1 Year - Paid Monthly <i>LSUB1M</i>	2200	EA	17.00	37,400.00
					April 2024



PreCise MRM LLC.
 A subsidiary of FORCE America, Inc.
 501 East Cliff Road
 Burnsville, MN 55337
 (888) 449-0357

QUOTE #: QT200-1005881-5
CUSTOMER: 680164
DATE: 8/10/2023
PAGE: 3 OF 4

	PRODUCT / DESCRIPTION	QTY	U/M	PRICE	EXTENSION
8	1182557 Rev. A LiGO Subscription Annual: 1 Year - Paid Monthly LSUB1M	2200	EA	17.00	37,400.00
					May 2024
9	1182557 Rev. A LiGO Subscription Annual: 1 Year - Paid Monthly LSUB1M	2200	EA	17.00	37,400.00
					June 2024
10	1182557 Rev. A LiGO Subscription Annual: 1 Year - Paid Monthly LSUB1M	2200	EA	17.00	37,400.00
					July 2024
11	1182557 Rev. A LiGO Subscription Annual: 1 Year - Paid Monthly LSUB1M	2200	EA	17.00	37,400.00
					August 2024
12	1182557 Rev. A LiGO Subscription Annual: 1 Year - Paid Monthly LSUB1M	2200	EA	17.00	37,400.00
					Sept 2024
13	1182966 Rev. A LiGO Access Maintenance LAM-003	1	EA	5,000.00	5,000.00
					Annual LiGO ACCESS Billed annually
***** Prices Are Not Guaranteed And Are Subject To Change Lead Times & Delivery Dates Are Based Upon Current Information And Are Subject to Change Unless Otherwise Noted, Prices Do Not Include Freight *****					
Accepted By: _____				MERCHANDISE TOTAL: \$443,600.00 MISC CHARGE: \$0.00 TAX: \$0.00 QUOTE TOTAL: \$443,600.00	
Date: _____					

Questions about your order? Contact us by phone at 888-449-0357 or email us at sales@precisemrm.com

Award #2 Supporting Documents **PRECISE MRM LLC**
TERMS AND CONDITIONS

Acceptance: These Terms and Conditions shall govern all contracts for the sale of any goods to Buyer by PreCise MRM LLC and/or its subsidiaries and divisions (collectively "Seller"). These Terms and Conditions shall control over any conflicting terms and condition set forth in any request for quotation, purchase order, confirmation or other transaction document submitted to Seller by Buyer.

Delays in Delivery: Seller shall not be responsible for any delay in delivery of goods to Buyer due to fires, strikes, riots, Acts of God, government orders or restrictions, delays in transportation delays by suppliers or materials or parts, inability to obtain necessary labor or other causes beyond Seller's control. In the event of such delay, the delivery date shall be extended for a reasonable period of time.

Damage or Loss in Transit: All risk of loss shall pass to Buyer at the time of delivery of the goods. Deliver of the goods to any carrier shall constitute delivery of the goods to Buyer, regardless of which party retained or hired the carrier.

Warranties: Seller warrants that any goods sold by Seller to Buyer shall be free from defects in material and workmanship for a period of one (1) year from the date of delivery. THIS WARRANTY SHALL BE THE SOLE AND EXCLUSIVE WARRANTY MADE BY SELLER TO BUYER. SELLER HEREBY DISCLAIMS ANY IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Exclusive Remedy: If within the aforementioned one-year warranty period, any goods sold by Seller are proven by Buyer to be defective to Seller's reasonable satisfaction, then such defective goods shall be repaired or replaced, at Seller's sole option. THIS REMEDY SHALL BE THE SOLE AND EXCLUSIVE REMEDY AVAILABLE TO BUYER. BUYER SHALL NOT, UNDER ANY CIRCUMSTANCES, BE ENTITLED TO RECOVER ANY INCIDENTAL, CONSEQUENTIAL OR CONTINGENT DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS.

Payment: Buyer shall pay Seller's invoices within thirty (30) days of receipt. Buyer agrees to pay interest to Seller on any past-due amounts at the rate of 18% per year.

Security Interest: To secure payment of Seller's invoices, Buyer hereby grants Seller a security interest in all goods sold by Seller to Buyer. Buyer hereby authorizes Seller to file financing statements on behalf of Buyer to perfect Seller's security interest. In the event Buyer fails to timely pay Seller for any goods sold to Buyer, Seller may proceed, at its option, to utilize the remedies available to a secured party under Article 9 of the Uniform Commercial Code.

Freight Terms: All sales made by Seller to Buyer shall be F.O.B. Seller's Distribution Center.

Returned Goods: Goods may only be returned by Buyer with Seller's prior authorization and consent. Only unused goods in original containers of current design will be considered for return. Specially manufactured, custom or modified goods shall not be returnable. Buyer shall pay all transportation charges for any goods accepted for return by Seller. Buyer shall also pay a restocking charge equal to 15% of the original price of any goods accepted by Seller for return.

Taxes and Other Charges: Buyer shall be responsible for paying any taxes, duties, fees, or other charges imposed by any governmental entity based upon Buyer's purchase of any goods from Seller.

Legal Action: These Terms and Conditions and the terms of any contract for the sale of goods by Seller to Buyer shall be governed by and construed in accordance with Minnesota law. Any action relating to or arising out of any contact for the sale of goods by Seller to Buyer shall be venued in state or federal court in Minnesota. Buyer consents to the personal jurisdiction of Minnesota courts and waives any defense that venue in Minnesota is in any manner inconvenient. Buyer shall pay all attorney fees, costs and disbursements incurred by Seller in collecting any amounts due from Buyer, enforcing these Terms and Conditions and/or enforcing the terms of any contract for the sale of goods by Seller to Buyer. Any legal action by Buyer against Seller relating to or arising out of any contract for the sale of goods by Seller to Buyer shall be brought within one (1) year after the delivery of the goods or be forever barred.



Formal Bid and Award System

Award #5 January 26, 2023

Type of Award Request: INVITATION FOR BID (IFB)
Request #: 669
Requestor Name: Breadon, William A. - Project Administrator Construction
Requestor Phone: (904) 665-4285
Solicitation Title: Blanding Blvd Driveway Entrance
Project Number: 8007903
Project Location: JEA
Funds: Capital
Business Unit Estimate: \$723,958.00

Scope of Work:

The purpose of this Invitation for Bid for construction services (this "Solicitation") is to request bids for a new lift station entrance driveway located at 7703 Blanding Blvd, Jacksonville, FL. Reconstruction of the existing driveway will include an improved connection to Blanding Boulevard with associated improvements to abutting driveways. The contract will include a new asphalt driveway approximately 20 feet wide that extends approximately 1,100 linear feet with curbs and gutters, pond and required drainage and stormwater improvements as needed to provide access to lift station. Construction shall meet all the requirements of JEA Standards, state and local building codes (the "Work").

JEA IFB/RFP/State/City/GSA#: 1410996446
Purchasing Agent: Selders, Elaine
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Amount
KIRBY DEVELOPMENT INC	Brian Kluge	bkluge@kirbydevelopment.com	108 Lee Rd, Jacksonville, FL 32254	\$694,621.51

Amount for entire term of Contract/PO: \$694,621.51
Award Amount for remainder of this FY: \$350,751.51
Length of Contract/PO Term: Project Completion
Begin Date: 02/15/2023
End Date: Project Completion (Expected: December 2023)
JSEB Requirement: Five Percent (5%) Requirement
Comments on JSEB Requirements:
 Kirby Development, Inc is a JSEB.

Award #3 Supporting Documents

BIDDERS:

Name	Amount NOT including SWA
KIRBY DEVELOPMENT INC	\$694,621.51
CGC, INC.	\$754,337.00
CALLAWAY CONTRACTING, INC.	\$1,144,700.00

Background/Recommendations:

Advertised on 12/01/2022. Seven (7) prime contractors attended the mandatory site visit held on 12/12/2022. At Bid opening on 1/10/2023, JEA received three (3) Bids. Kirby Development, Inc is the lowest responsive and responsible Bidder. A copy of the Bid Form and Workbook are attached as backup.

The bid for the construction cost of this project without the Supplemental Work Allowance (SWA) is \$694,621.51, which is approximately four percent (4%) lower than the business unit estimate of \$723,958.00. A SWA in the amount of \$70,000.00 was included on the Bid Form but the decision was made to not include it in the award amount as the design was recently completed and the work is fairly straightforward. There are funds in the budget if needed for unforeseen circumstances if any should arise. The bid was reviewed by JEA and has been deemed reasonable.

1410996446 – Request approval to award a contract to Kirby Development, Inc for construction services for the Blanding Blvd Driveway Entrance in the amount of \$694,621.51, subject to the availability of lawfully appropriated funds.

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

APPROVALS:

Stephen Datz 1/26/2023

Chairman, Awards Committee **Date**

Stephanie M Healy 1/26/2023

Budget Representative **Date**

KIRBY DEVELOPMENT, INC

Site Development

October 12, 2023

Sally Jermanus
JEARE: Blanding Blvd Driveway Improvements
Change Order # 2 Blanding Blvd Driveway Improvements Revised Drawings

Mrs. Jermanus,

We are submitting a Change Order base on the revised drawings dated 9-20-2023, by C&ES for the JEA Pump Station Driveway Improvements project. Our pricing includes labor equipment to complete the work described below:

Item	Description	Units	Est. Qty.	Unit Price	Total Price
	General Conditions				
1	Permits, Bonds	LS	1	<u>\$</u> <u>10,080.00</u>	<u>\$</u> <u>10,080.00</u>
2	Site Prep	LS	1	<u>\$</u> <u>9,520.00</u>	<u>\$</u> <u>9,520.00</u>
3	Mobilization	LS	1	<u>\$</u> <u>6,449.80</u>	<u>\$</u> <u>6,449.80</u>
4	Survey and As-Builts	LS	1	<u>\$</u> <u>21,299.60</u>	<u>\$</u> <u>21,299.60</u>
	General Conditions Total				<u>\$</u> <u>47,349.40</u>
	Water Main				
13	12" DR-18 PVC Water Main	LF	1040	<u>\$</u> <u>111.83</u>	<u>\$</u> <u>116,303.20</u>
14	14" x12" DI Reducer	EA	2	<u>\$</u> <u>1,357.23</u>	<u>\$</u> <u>2,714.46</u>
15	12" x12" DI Long Sleeve	EA	2	<u>\$</u> <u>1,322.77</u>	<u>\$</u> <u>2,645.54</u>
16	12" DI 90 degree bend	EA	2	<u>\$</u> <u>1,457.59</u>	<u>\$</u> <u>2,915.18</u>
17	12" DI 45 degree bend	EA	2	<u>\$</u> <u>1,357.23</u>	<u>\$</u> <u>2,714.46</u>
18	12" DI 11-1/4 degree bend	EA	2	<u>\$</u> <u>1,277.83</u>	<u>\$</u> <u>2,555.66</u>

Road and Infrastructure Construction

108 Lee Road, Jacksonville, Florida 32225

Business: (904) 821-5010
Florida License # CGC059922Fax: (904) 821-5011
Florida license # CUC056973

KIRBY DEVELOPMENT, INC**Site Development**

19	Sample Points	EA	3	<u>\$</u> <u>1,192.48</u>	<u>\$</u> <u>3,577.44</u>
20	Short Single Water Service	EA	4	<u>\$</u> <u>1,839.64</u>	<u>\$</u> <u>7,358.56</u>
21	14" HDPE SDR 11	LF	300	<u>\$</u> <u>208.48</u>	<u>\$</u> <u>62,544.00</u>
22	12" Gate Valve Including Cover	EA	2	<u>\$</u> <u>6,129.96</u>	<u>\$</u> <u>12,259.92</u>
23	Testing/ Bac-T	LS	1	<u>\$</u> <u>3,971.92</u>	<u>\$</u> <u>3,971.92</u>
24	Grout Fill Existing Line	LF	1340	<u>\$</u> <u>21.28</u>	<u>\$</u> <u>28,515.20</u>
	Water Main Total				<u>\$</u> <u>248,075.54</u>
	Force Main				
26	12" DR-18 PVC Force Main	LF	1020	<u>\$</u> <u>129.46</u>	<u>\$</u> <u>132,049.20</u>
27	12" Gate Valve Including Cover	EA	2	<u>\$</u> <u>6,129.96</u>	<u>\$</u> <u>12,259.92</u>
28	ARV Assembly	EA	1	<u>\$</u> <u>14,769.07</u>	<u>\$</u> <u>14,769.07</u>
29	14" x12" DI Reducer	EA	2	<u>\$</u> <u>2,416.31</u>	<u>\$</u> <u>4,832.62</u>
30	12" x12" DI Long Sleeve	EA	2	<u>\$</u> <u>2,985.55</u>	<u>\$</u> <u>5,971.10</u>
31	12" DI 90 degree bend	EA	0	<u>\$</u> <u>-</u>	<u>\$</u> <u>-</u>
32	12" DI 45 degree bend	EA	6	<u>\$</u> <u>3,075.43</u>	<u>\$</u> <u>18,452.58</u>
33	12" DI 11-1/4 degree bend	EA	2	<u>\$</u> <u>2,880.69</u>	<u>\$</u> <u>5,761.38</u>
34	14" HDPE SDR 11	LF	300	<u>\$</u> <u>208.48</u>	<u>\$</u> <u>62,544.00</u>
35	Testing	LS	1	<u>\$</u> <u>3,761.92</u>	<u>\$</u> <u>3,761.92</u>
36	Grout Fill Existing Line	LF	1320	<u>\$</u> <u>21.52</u>	<u>\$</u> <u>28,406.40</u>
	Force Main Total				<u>\$</u> <u>288,808.19</u>
	TOTAL				<u>\$</u> <u>584,233.13</u>

Road and Infrastructure Construction

108 Lee Road, Jacksonville, Florida 32225

Business: (904) 821-5010

Fax: (904) 821-5011

Florida License # CGC059922

Florida license # CUC056973

KIRBY DEVELOPMENT, INC

Site Development

Please let me know if you have any questions.

Sincerely,

Brian
Kluge

Digitally signed by Brian Kluge
DN: C=US, O="Kirby
Development ", CN="Brian
Kluge",
E=bkluge@kirbydevelopment.c
om
Reason: I am the author of this
document
Location:
Date: 2023-10-12 15:37:50
Foxit PhantomPDF Version:
9.3.0

Brian Kluge

Road and Infrastructure Construction

108 Lee Road, Jacksonville, Florida 32225

Business: (904) 821-5010

Fax: (904) 821-5011

Florida License # CGC059922

Florida license # CUC056973

Award #4 11/16/23 Supporting Documents

1411441046 Greenland Energy Center Silencer Replacement							Option to make modifications / upgrades	Option to Replace In Kind	Comments
#	Vendor Rankings	Gillean	Taylor	Σ Rank	Rank	Total Score			
1	Durr	60	57	117	3	58.5		\$ 2,866,164.40	Business found replace in kind approach highly undesirable, as it doesn't fix the underlying issue
2	SVI	64	69	134	1	66.9	<u>\$ 7,389,976.00</u>	\$ 4,619,120.00	Found CFD modeled upgrade very thorough, addresses issues with no impact to the permitting and environmental compliance of the unit.
3	Shock	61	61	121	2	60.6	<u>\$ 3,141,160.00</u>	\$ 2,215,600.00	Found upgrade model option to have potential impacts to compliance and permitting and without modelled approach, not guarantee it will resolve issues.
#	Gillean	Price Points (50 points)	Experience, Design, Fabrication (50 point)		Total	Rank			
1	Durr	50.0	10.0		60.0	3			
2	SVI	19.4	45.0		64.4	1			
3	Shock	45.6	15.0		60.6	2			
#	Taylor	Price Points (50 points)	Experience, Design, Fabrication (50 point)		Total	Rank			
1	Durr	50.0	7.0		57.0	3			
2	SVI	19.4	50		69.4	1			
3	Shock	45.6	15.0		60.6	2			
#	Overall Averages	Price Points (50 points)	Experience, Design, Fabrication (50 point)						
1	Durr	50.00	8.50						
2	SVI	19.39	47.50						
3	Shock	45.62	15.00						

Award #4 11/16/23 Supporting Documents

1411441046 GEC Silencer Replacement Project

Appendix B - Bid Forms

Submit the Response an electronic pdf in accordance with the procedures in the solicitation.

Company Name: Southeast Valve Inc. (DBA SVI DYNAMICS)

Company's Address: 12261 NATIONS FORD RD, PINEVILLE, NC, 28134

License Number: CGC1511488

Phone Number: 704-688-9800 FAX No: 704-688-9810 Email Address: will@svidynamics.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	Subtotal for work in Solicitation GEC two unit silencer replacement project. OPTION 1	\$ <u>6,718,160.00</u>
2	Supplemental Work Authorization (10% of Line 1) OPTION 1	\$ <u>671,816.00</u>
3	Total Bid Price (Sum of Lines 1 & 2) OPTION 1	\$ <u>7,389,967.00</u>

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

William Medlock

10/17/2023

Handwritten Signature of Authorized Officer of Company or Agent Date

 1 through 1

Will Medlock, Proposal Engineer
Printed Name and Title

Award #4 Supporting Documents

1411441046 GEC Silencer Replacment Project

Appendix B - Bid Forms

LIST OF SUBCONTRACTORS

JEA Solicitation Number 1411441046 requires certain major Subcontractors be listed on this form, unless the work will be self-performed by the Company.

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

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

Type of Work	Corporate Name of Subcontractor	Subcontractor Primary Contact Person & Telephone Number	Subcontractor's License Number (if applicable)	Percentage of Work or Dollar Amount
Umbilical wiring	Cogburn	Damon Driggers, 904-652-1054		~1.5%
Crane	Beyel Brothers Crane and Rigging	Kevin McElveen, 904-720-2228		~11.5%
Scaffold	Sunbelt Rentals, Inc	Cameron Chambers, 904.751.7305		~2.0%

Signed: William Medlock

Company: SVI DYNAMICS

Address: 12261 NATIONS FORD RD, PINEVILLE, NC, 28134

Date: OCTOBER 17, 2023

Award #4 Supporting Documents

1411441046 GEC Silencer Replacment Project

Appendix B - Bid Forms

LIST OF JSEB SUBCONTRACTORS

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

Class of Work (Category) Dollar Amount	Name of JSEB Contractor (Indicate below)	Percentage of Total Job or
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Signed: William Medlock

Company: SVI DYNAMICS

Address: 12261 Nations Ford Road, Pineville, NC, 28134

Date: 10/17/2023

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



VENDOR CONFLICT OF INTEREST DISCLOSURE FORM INSTRUCTIONS

Vendors shall not try to gain an unfair competitive advantage or influence the ability of JEA officers and employees to make impartial and objective decisions on behalf of JEA.

All vendors interested in conducting business with JEA must complete and return the Vendor Conflict of Interest Disclosure Form found on the following page in order to be eligible to be awarded a contract with JEA. Please note that all vendors are subject to comply with JEA's conflict of interest policies provided below.

1. No JEA officer (e.g., JEA Board member and elected City official) or employee has an ownership interest of more than 5% in vendor's company.
2. No JEA officer or employee is an officer, director, partner or proprietor of vendor's company.
3. No JEA officer or employee is employed by or being considered for employment by vendor's company.
4. No JEA officer or employee work as a consultant or has a contractual relationship with vendor's company.
5. No JEA officer or employee will derive a personal financial gain or loss from this contract.
6. No relative of a JEA officer or employee will derive a personal financial gain or loss from this contract. (Relatives include a father, mother, son, daughter, husband, wife, brother, sister, father-in-law, mother-in-law, son-in-law, or daughter-in-law.)

If a vendor has one or more relationships with a JEA officer or employee or a relative of a JEA officer or employee that meets the criteria described above, then the vendor shall disclose the information by completing the Conflict of Interest Form on the following page.

Award #4 Supporting Documents

1411441046 GEC Silencer Replacment Project
Appendix B - Bid Forms



CONFLICT OF INTEREST DISCLOSURE FORM

Disclosing a potential conflict of interest does not disqualify vendors. In the event vendors do not disclose potential conflicts of interest, and they are detected by JEA, vendor may be **disqualified** from doing business with JEA.

Questions about this form? Contact (JEA, Buyer)

JEA Bid/Solicitation/Contract Number: 1411441046	Name of JEA Employee(s) Working on Vendor's Current Contract(s) with JEA: Rodney Lovgren
Vendor Name: SVI DYNAMICS	Vendor Phone: 704-688-9800
Vendor's Authorized Representative Name and Title: WILL MEDLOCK, PROPOSAL ENGINEER	Authorized Representative's Phone: 803-487-5164
NAME(S) OF JEA EMPLOYEE(S) / PUBLIC OFFICER(S) WITH POTENTIAL CONFLICT OF INTEREST	
Name of JEA public officer(s), employee(s), or relatives with whom there may be a potential conflict of interest. If more than five, attach a second form.	Relationship of JEA public officer(s)/employee(s) and/or relative(s) to vendor's company from list above (e.g. 1(a), 2, etc.). Please list all that apply:
1.	
2.	
3.	
4.	
5.	
<input checked="" type="checkbox"/> Vendor has no conflict of interest to report. <input checked="" type="checkbox"/> Vendor hereby declares it has not and will not provide gifts or hospitality of any dollar value or any other gratuities to any JEA officer or employee to obtain or maintain a contract. <input checked="" type="checkbox"/> I certify that this Conflict of Interest Disclosure has been examined by me and that its contents are true and correct to my knowledge and belief and I have the authority to so certify on behalf of the Vendor.	
Vendor's Authorized Representative Signature: <i>William Medlock</i>	Date: 10/17/2023

Award #4 Supporting Documents

1411441046 GEC Silencer Replacment Project

Appendix B - Bid Forms

FOR JEA USE ONLY IF CONFLICT NOTED

This form has been reviewed by:

Name of JEA Ethics Officer:	Signature:	Date:
Note:		

Award #4 Supporting Documents

1411441046 GEC Silencer Replacment Project

Appendix B - Bid Forms

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1411441046 GEC Silencer Replacement Project

Appendix B - Bid Forms

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Class of Work (Category) Dollar Amount	Name of JSEB Contractor (Indicate below)	Percentage of Total Job or
---	---	----------------------------

Signed: William Medlock

Company: SVI DYNAMICS

Address: 12261 Nations Ford Road, Pineville, NC, 28134

Date: 10/17/2023

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



VENDOR CONFLICT OF INTEREST DISCLOSURE FORM INSTRUCTIONS

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2. No JEA officer or employee is an officer, director, partner or proprietor of vendor's company.
3. No JEA officer or employee is employed by or being considered for employment by vendor's company.
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Award #4 Supporting Documents

1411441046 GEC Silencer Replacment Project
Appendix B - Bid Forms



CONFLICT OF INTEREST DISCLOSURE FORM

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Vendor Name: SVI DYNAMICS	Vendor Phone: 704-688-9800
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NAME(S) OF JEA EMPLOYEE(S) / PUBLIC OFFICER(S) WITH POTENTIAL CONFLICT OF INTEREST	
Name of JEA public officer(s), employee(s), or relatives with whom there may be a potential conflict of interest. If more than five, attach a second form.	Relationship of JEA public officer(s)/employee(s) and/or relative(s) to vendor's company from list above (e.g. 1(a), 2, etc.). Please list all that apply:
1.	
2.	
3.	
4.	
5.	
<input checked="" type="checkbox"/> Vendor has no conflict of interest to report. <input checked="" type="checkbox"/> Vendor hereby declares it has not and will not provide gifts or hospitality of any dollar value or any other gratuities to any JEA officer or employee to obtain or maintain a contract. <input checked="" type="checkbox"/> I certify that this Conflict of Interest Disclosure has been examined by me and that its contents are true and correct to my knowledge and belief and I have the authority to so certify on behalf of the Vendor.	
Vendor's Authorized Representative Signature: <i>William Medlock</i>	Date: 10/17/2023

Award #4 Supporting Documents

1411441046 GEC Silencer Replacment Project

Appendix B - Bid Forms

FOR JEA USE ONLY IF CONFLICT NOTED

This form has been reviewed by:

Name of JEA Ethics Officer:	Signature:	Date:
Note:		

Award #4 Supporting Documents

IN WITNESS WHEREOF, the said Principal and the said Surety have duly executed this bond the 17th day of October, 2023.

ATTEST:

Signature

Type/Print Name

Signature

Type/Print Name

**Signed, Sealed and Delivered
in the Presence of:**

Megan S. Bartman

Signature

Type/Print Name
Megan S. Bartman

Joseph Kelly

Signature

Type/Print Name
Josep Kelly

Type/Print Name

Southeast Valve Inc, DBA SVI DYNAMICS
(Principal Company Name)
Ronda W. Bush

Signature

Type/Print Name
Will Medlock

Type/Print Name

Title
Proposal Engineer

Title
AS PRINCIPAL

The Gray Casualty & Surety Company
(Surety Company Name)
Ronda W. Bush

Signature

Type/Print Name
- Ronda W. Bush

Type/Print Name
Attorney-In-Fact

Title
AS SURETY



Name of Agent: Ronda W. Bush

Address: 4777 Sharon Road Ste 400

Charlotte, NC 28210

Countersigned:

By Julie McElligott

Resident Agent
State of Florida Julie McElligott

Name of Firm: McGriff Insurance Services

Address: _____

Form Approved:

Assistant General Counsel

**THE GRAY INSURANCE COMPANY
THE GRAY CASUALTY & SURETY COMPANY**

GENERAL POWER OF ATTORNEY

Bond Number: Bid Bond Principal: Southeast Valve, Inc DBA SVI Dynamics

Project: JEA GREENLAND exhaust silencer retrofit project per the Technical Specification G61 and G62 Exhaust Silencer Replacement

KNOW ALL BY THESE PRESENTS, THAT The Gray Insurance Company and The Gray Casualty & Surety Company, corporations duly organized and existing under the laws of Louisiana, and having their principal offices in Metairie, Louisiana, do hereby make, constitute, and appoint: **Heather Segrist, Julia C. McElligott, Bobbi D. Pendleton, Kenneth J. Peoples, Christopher A. Lydick, Adam Pfanmiller, James Holden Keen, Ronda W. Bush, Katherine L. Pearce, Phillip Knower, Chelsea Craney, Turner A. Estep, Camille Moye Edwards, Margo G. Roberts, David Liggett, Joseph Zoller, Michael McCreadie, and Megan S. Bartman of Durham, North Carolina jointly and severally** on behalf of each of the Companies named above its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its deed, bonds, or other writings obligatory in the nature of a bond, as surety, contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed the amount of \$25,000,000.00.

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both The Gray Insurance Company and The Gray Casualty & Surety Company at meetings duly called and held on the 26th day of June, 2003.

“RESOLVED, that the President, Executive Vice President, any Vice President, or the Secretary be and each or any of them hereby is authorized to execute a power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings, and all contracts of surety, and that each or any of them is hereby authorized to attest to the execution of such Power of Attorney, and to attach the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be binding upon the Company now and in the future when so affixed with regard to any bond, undertaking or contract of surety to which it is attached.

IN WITNESS WHEREOF, The Gray Insurance Company and The Gray Casualty & Surety Company have caused their official seals to be hereinto affixed, and these presents to be signed by their authorized officers this 4th day of November, 2022.



By:

Michael T. Gray

Michael T. Gray
President

The Gray Insurance Company

State of Louisiana

ss:

Parish of Jefferson

On this 4th day of November, 2022, before me, a Notary Public, personally appeared Michael T. Gray, President of The Gray Insurance Company, and Cullen S. Piske, President of The Gray Casualty & Surety Company, personally known to me, being duly sworn, acknowledged that they signed the above Power of Attorney and affixed the seals of the companies as officers of, and acknowledged said instrument to be the voluntary act and deed, of their companies.

Cullen S. Piske

Cullen S. Piske
President

The Gray Casualty & Surety Company



Leigh Anne Henican
Notary Public
Notary ID No. 92653
Orleans Parish, Louisiana

Leigh Anne Henican

Leigh Anne Henican
Notary Public, Parish of Orleans State of Louisiana
My Commission is for Life

I, Mark S. Manguno, Secretary of The Gray Insurance Company, do hereby certify that the above and forgoing is a true and correct copy of a Power of Attorney given by the companies, which is still in full force and effect. IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Company this 17th day of October, 2023.

Mark S. Manguno

I, Leigh Anne Henican, Secretary of The Gray Casualty & Surety Company, do hereby certify that the above and forgoing is a true and correct copy of a Power of Attorney given by the companies, which is still in full force and effect. IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Company this 17th day of October, 2023.

Leigh Anne Henican



Date: 2023 October 17

Rodney Lovgren
Jacksonville Energy Authority (JEA) – Greenland Energy Center
6850 Energy Center Dr., Jacksonville, FL 32256
Phone: 904.528.9350
Email: lovgrd@jea.com

**WOMEN
OWNED**



**Subject: Simple-Cycle Exhaust Silencer Turnkey Replacement, Units #61
and #62**

JEA Solicitation No.: 1411441046

Proposal #: P23-0116

This is a confidential version of the proposal for JEA internal use only, exempt from public record. Please refer to the redacted version for public dissemination per Sunshine Laws.

Sections of this proposal include:

- A. Executive summary
- B. Proposed design approach
- C. Experience narrative
- D. Shop fabrication planning approach
- E. Clarifications
- F. Project duration schedules
- G. Technical evaluations and proposal GA drawing sets
- H. Option 2 – parallel baffle FEA analysis report
- I. Existing system and option 1 upgrade CFD report
- J. Appendix A: SVI key personnel bios
- K. Bid bond

A. Executive summary

Thanks for the opportunity to bid on this project. Southeast Valve Inc. (DBA SVI DYNAMICS) meets and exceeds the minimum qualifications required for this solicitation scope with our references included as well as our in-house engineering resources holding 25+ years' experience in gas turbine exhaust structural, acoustic, and aerodynamic design and engineering. Additionally, our sister company BREMCO adds to our engineering & design, fabrication, and delivery capabilities by performing the turnkey site work scope without needing a sub-contract to a field work contractor. By reviewing our proposal, we hope you find us acceptable in every regard to help support this CT exhaust work at the Greenland Energy Center.

Safety is the highest priority for SVI/Bremco at every project stage including fabrication, shipping, and site work. Our safety record is exemplary as shown by our safety records which are available to JEA for review. A project with SVI/Bremco includes the utmost consideration for safety which includes a clean and neatly organized site throughout the duration of the project. Additionally, the outage scopes proposed for this project include a dedicated, full-time safety representative onsite with the sole task of monitoring and enforcing safety requirements.

Included in this proposal are two exhaust silencer retrofit options for JEA to consider. Both options will eliminate the silencer structural issues that have occurred on the previous two silencers while meeting the required acoustic and aerodynamics requirements. The first option presented is an ideally engineered case for structural, acoustics, and aerodynamics to improve the exhaust gas flow properties which, in combination with a unique silencer, greatly reduce the structural loading on the silencer and efficiently attenuates exhaust noise. The second option is a more standard silencer in a new upper stack with a larger gas path diameter to provide room for noise attenuation without creating excessive gap velocities. This option requires relocation of the CEMS testing ports.

Please refer to the attached preliminary duration schedules for SVI/Bremco proposed outage schedules and lengths. SVI/Bremco will work seven days per week, one shift during pre- and post-outage activities and two shifts during the outages. Additionally, please note the extended lead time for equipment. Working backwards from the first outage start date, and considering engineering, customer approval, material purchasing, and fabrication, the required order date is important to meet the Fall 2024 outages. Please reach out if this date is not attainable and we can review potential ways to still meet your outage deadlines.

SVI/Bremco is ISO9001 certified with an accompanying ISO 9001:2015 quality management system in place to include the design, fabrication, and installation of our engineered gas path solutions. Certification and manual can be submitted to JEA upon request. The quality requirements for this project will be met, at a minimum. Inspection and test plans including witness and hold points are part of the SVI standard quality data book submitted for any manufacturing and site work project.

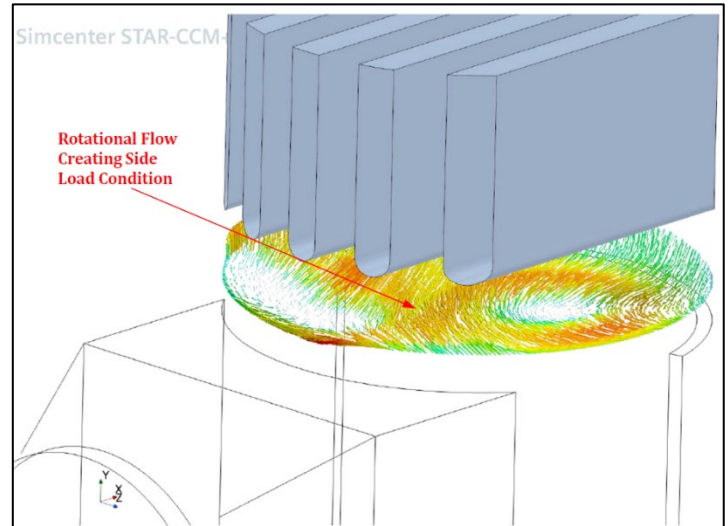
B. Proposed design approach:

SVI has analyzed the existing system extensively through engineering review and visits to site for acoustic surveying and visual inspection of equipment. A computational fluid dynamics (CFD) report has been put together to provide more advanced insights into the existing system as well as proposed retrofit options. Preliminary structural engineering has been completed to confirm the validity of proposed silencer retrofit options and further demonstrate SVI's commitment to an engineered solution. To start, a thorough review of the existing exhaust system is required.

The current system exhausts from a GE MS7000FA and flows through a truncated diffuser duct and short exhaust stack inlet duct in the horizontal position. A cylindrical elbow duct then ejects 90 degrees and immediately into a vertical, cylindrical silencer duct with two rows of parallel baffles with full gap arrangement which then send flow through a cylindrical upper stack and eventually to atmosphere.



The JEA Greenland energy center has seen silencer baffle premature failure two times now with the existing silencer arrangement, even with a new vendor using more robust material section and material thickness utilized in the aftermarket silencer replacement. We understand JEA's frustration with this outcome and the desire to replace the silencer again, not with an in-kind solution but, an engineered alternative aimed at extending the next silencer installment life to a more typical industry standard. The following conclusions have been made by SVI as result of CFD modelling (attached), site visits & discussions, and our 25+ years of combustion gas turbine exhaust system design:



- The short approach length to the silencer segment suggests that regions of high velocity, cyclonic, turbulent flow are impinging on the leading edge of the first row of baffles.
- Regions of extremely high velocity and lateral (sideways) flow in the front section of the lower silencer baffle row may cause high cyclical loading of the baffle surfaces, translating to unexpected loads at the supports and guides. At temperature, this type of dynamic loading condition can cause premature structural fatigue, as observed at the Greenland site.
- An in-kind silencer arrangement, or an upgraded silencer in the same silencer duct without upstream elbow upgrade, cannot survive in this environment for an extended period as JEA would like.
- In order to resolve the extreme aerodynamic impacts on the silencer, a combination of the below must happen:
 - Improvement of exhaust gas flow development prior to interaction with the silencer leading edge.
 - Use of proper baffle materials of construction based on ASME and material manufacturer published maximum allowable internal stress loads.
 - Implementation of a more suitable silencer design for this application to reduce the dynamic loading conditions on the silencer while improving system pressure loss and acoustic performance.

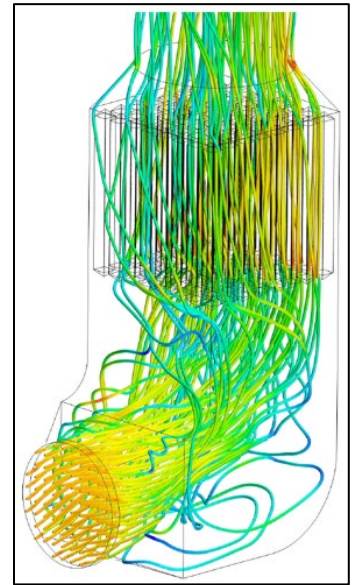
As is standard for all SVI silencer retrofit projects, pre- and post- outage site acoustic surveys will be performed by the SVI director of acoustic engineering in order to demonstrate the before and after retrofit site noise conditions.

SVI has two proposal exhaust retrofit options to present to JEA and its stakeholders for consideration based on the above discussed conditions:

Option 1 - Contoured elbow duct + Bar silencer retrofit:

Option 1 includes a retrofit exhaust solution utilizing a new round-to-square transition inlet duct, 90-deg. elbow duct with curved contouring at the upper forward and lower rearward walls, as well as a square bar style exhaust silencer which transitions into the existing, round upper stack.

- A contoured elbow - as analyzed in our CFD analysis and structural proposal general arrangement details – is a required component of this solution to improve the exhaust gas flow conditions moving out of the elbow as it begins to interact with the silencer leading edge. Turning vanes are a common industry standard for improving flow conditions through a turn but would not be adequate in this application with a large, round elbow duct.
- The bar silencer design reduces baffle surface mechanical loads corresponding to lower total and dynamic pressure magnitudes. Reduction of oscillating loads lowers the likelihood of cyclical fatigue issues (as seen on the existing equipment) over the service life of the recommended exhaust and silencer design. Additionally, this design is less obstructive to turbine exhaust flow and will reduce exhaust stack noise output to meet JEA’s near-field and far-field noise requirements (85 dBA at 3’ from equipment, 65 dBA | 75 dBC at 400’, 5’ above grade). This bar silencer concept is projected to improve C-Weighed overall sound pressure level performance over current system, reducing low-frequency noise emissions from the site.
- The bar silencer is much more efficient aerodynamically and acoustically per foot of silencer length compared to parallel baffles. This allows the design to improve acoustic and aerodynamic performance while being shorter than the parallel baffle silencer. Reduced silencer overall active length means the silencer leading edge can be moved higher in the stack while maintaining trailing edge location. This additional distance between the elbow exit and the silencer leading edge further allows the gas flow to develop and reduce turbulent side loading on the silencer.
- Option 1 solution re-uses the existing upper stack (49.25’) per the solicitation specifications therefore and retains 2x diameter spacing between trailing end of silencer to CEMS ports as well as 0.5x diameter spacing between CEMS ports and stack exit. Stack exit elevation is also unchanged.
 - It is assumed at this time that the upper stack is in OK condition for re-use. Painting this section is not included.
- Option 1 utilizes a solid stack wall liner system throughout, as opposed to competitors which may require the use of perforated stack wall liners for additional sound attenuation through the system. A solid liner system will be much more durable in the long term compared to perforated surfaces which are inherently less thermally effective and more susceptible to degradation and loss of insulation which can cause accelerated stack deterioration.
- SVI plans to reuse the existing expansion joint and flow liner at the interface between the turbine outlet and exhaust system inlet. The joint will be inspected to ensure reusability.
- SVI will provide the engineering, materials, and equipment required to properly anchor the new elbow duct and structural members.
- Option 1 includes replacement of the existing acoustical barrier around the stack elbow with a similar barrier, as shown in the proposal general arrangement drawings. The existing barrier must be removed in order to complete the inlet duct & elbow replacements.



Award #4 11/16/23 Supporting Documents

Capital or O&M	Index / Project # / Cost Center	Expense Type	O&M Spreadsheet Line	FY24	FY25	
Capital	8008828	0.2		\$1,343,632.00		\$ 1,343,632.00
Capital	8008828	0.2		\$1,343,632.00		\$ 1,343,632.00
Capital	8008828	0.25		\$1,679,540.00		\$ 1,679,540.00
Capital	8008828	0.35			\$2,351,356.00	\$2,351,356.00
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						\$ -
Award Totals				\$4,366,804.00	\$2,351,356.00	\$ 6,718,160.00

Date	Event	Tracking Amount
11/16/2023	Original Award	\$ 6,718,160.00
	10% increase	\$ -
	New NTE	\$ -
	This Increase	\$ -
	New NTE	\$ 6,718,160.00

10/03/2023	8008960	006.10		CSC Stores	233112	MTEAA024	**TEST REQD**METER, WATER, DISC, M35 5/8" (4") (9), BR2 BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$102.29	144	\$14,730.20	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/04/2023	8007986	006.10		CSC Stores	233129	MTEAA014	**TEST REQD** METER, WATER, DISC, M25 5/8" (3/4") (2), PL BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$82.02	432	\$35,434.20	Barrett, Christopher Scott	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/04/2023	8007986	006.10		CSC Stores	233129	MTEAA018	**TEST REQD** METER, WATER, DISC, M25 5/8" (3/4") (2), PL BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$83.25	432	\$35,964.00	Barrett, Christopher Scott	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/04/2023	8008960	006.10		CSC Stores	233141	MTEAA020	**TEST REQD** METER, WATER 3/4" - LOW LEAD SRII METER, PLASTIC DIVISION PLATE, BRONZE BOTTOM PLATE/SS CAP SCREWS, ELECTRONIC REGISTER TRPL, 0.1 GALLONS 8 WHL, 6TRPL, CBL 3-WIRE, MFG S/N=REG ID. (WITH TRPL HOUSING ASSEMBLY)	Each	\$106.29	312	\$33,163.31	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/04/2023	8008960	006.10		CSC Stores	233141	MTEAA024	**TEST REQD** METER, WATER, DISC, M35 5/8" (4") (9), BR2 BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$102.29	288	\$29,460.39	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/04/2023	8008966	006.34		CSC Stores	233117	MTEAA024	**TEST REQD**METER, WATER, DISC, M35 5/8" (4") (9), BR2 BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$102.29	144	\$14,730.20	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/04/2023	8008966	006.34		CSC Stores	233140	MTEAA020	**TEST REQD** METER, WATER 3/4" - LOW LEAD SRII METER, PLASTIC DIVISION PLATE, BRONZE BOTTOM PLATE/SS CAP SCREWS, ELECTRONIC REGISTER TRPL, 0.1 GALLONS 8 WHL, 6TRPL, CBL 3-WIRE, MFG S/N=REG ID. (WITH TRPL HOUSING ASSEMBLY)	Each	\$106.29	320	\$34,012.62	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/04/2023	8008966	006.34		CSC Stores	233140	MTEAA024	**TEST REQD**METER, WATER, DISC, M35 5/8" (4") (9), BR2 BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$102.29	288	\$29,460.39	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/09/2023	8007986	006.10		CSC Stores	233127	MTEAA014	**TEST REQD** METER, WATER, DISC, M25 5/8" (3/4") (2), PL BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$82.02	432	\$35,434.20	Barrett, Christopher Scott	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/09/2023	8007986	006.10		CSC Stores	233127	MTEAA018	**TEST REQD** METER, WATER, DISC, M25 5/8" (3/4") (2), PL BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$83.25	432	\$35,964.00	Barrett, Christopher Scott	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/18/2023	8007986	006.10		CSC Stores	233405	MTEAA030	**TEST REQD** METER, WATER 1" - LOW LEAD SRII METER, PLASTIC DIVISION PLATE, BRONZE BOTTOM PLATE/SS CAP SCREWS, ELECTRONIC REGISTER TRPL, 0.1 GALLONS 8 WHL, 6TRPL, CBL 3-WIRE, MFG S/N=REG ID. (WITH TRPL HOUSING ASSEMBLY)	Each	\$128.30	80	\$10,264.21	Barrett, Christopher Scott	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/18/2023	8007986	006.10		CSC Stores	233405	MTEAA274	**TEST REQUIRED** METER, WATER, DISC, M35 3/4" (9), RCLMD, BR2 BTM 43055-1, PL, (TS-135, SN PER PO & PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-RCLMD, TRX SCRW, SIDEWALK READ, RCLMD, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI.	Each	\$106.32	364	\$38,701.13	Barrett, Christopher Scott	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/18/2023	8007986	006.10		CSC Stores	233405	MTEAA304	**TEST REQUIRED** METER, WATER, DISC, M55 1" (10-3/4), RCLMD, BR2 BTM 43055-1, PL, (TS-135, SN PER PO & PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-RCLMD, TRX SCRW, SIDEWALK READ, RCLMD, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5' BMI STD 4 PAK.	Each	\$135.63	60	\$8,137.88	Barrett, Christopher Scott	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/19/2023	8007986	006.10		CSC Stores	233405	MTEAA024	**TEST REQD**METER, WATER, DISC, M35 5/8" (4") (9), BR2 BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$102.29	576	\$58,920.78	Barrett, Christopher Scott	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/23/2023	8008960	006.10		CSC Stores	233459	MTEAA030	**TEST REQD** METER, WATER 1" - LOW LEAD SRII METER, PLASTIC DIVISION PLATE, BRONZE BOTTOM PLATE/SS CAP SCREWS, ELECTRONIC REGISTER TRPL, 0.1 GALLONS 8 WHL, 6TRPL, CBL 3-WIRE, MFG S/N=REG ID. (WITH TRPL HOUSING ASSEMBLY)	Each	\$128.30	120	\$15,396.32	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/23/2023	HW40308	002.1		CSC Stores	231774	MTEAA015	**TEST REQD** METER, WATER 5/8" X 3/4" - LOW LEAD SRII METER, PLASTIC DIVISION PLATE, PLASTIC BOTTOM PLATE/SS CAP SCREWS, ELECTRONIC REGISTER TRPL, 0.1 GALLONS 8 WHL, 6TRPL, CBL 3-WIRE, MFG S/N=REG ID (WITH TRPL HOUSING ASSEMBLY)	Each	\$80.37	16	\$1,285.92	Kozma, Cabra A	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/23/2023	HW40308	002.1		CSC Stores	232357	MTEAA015	**TEST REQD** METER, WATER 5/8" X 3/4" - LOW LEAD SRII METER, PLASTIC DIVISION PLATE, PLASTIC BOTTOM PLATE/SS CAP SCREWS, ELECTRONIC REGISTER TRPL, 0.1 GALLONS 8 WHL, 6TRPL, CBL 3-WIRE, MFG S/N=REG ID (WITH TRPL HOUSING ASSEMBLY)	Each	\$80.37	12	\$964.44	Nantz, James Vernon	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/23/2023	HW40308	002.1		CSC Stores	232836	MTEAA015	**TEST REQD** METER, WATER 5/8" X 3/4" - LOW LEAD SRII METER, PLASTIC DIVISION PLATE, PLASTIC BOTTOM PLATE/SS CAP SCREWS, ELECTRONIC REGISTER TRPL, 0.1 GALLONS 8 WHL, 6TRPL, CBL 3-WIRE, MFG S/N=REG ID (WITH TRPL HOUSING ASSEMBLY)	Each	\$80.37	30	\$2,411.13	Kozma, Cabra A	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/27/2023	8008966	006.34		CSC Stores	233563	MTEAA024	**TEST REQD**METER, WATER, DISC, M35 3/4" (9), BR2 BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$102.29	288	\$29,460.39	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/27/2023	8008966	006.34		CSC Stores	233563	MTEAA034	**TEST REQD** METER, WATER, DISC, M55 1" (10-3/4), BR2 BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$133.10	80	\$10,648.00	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
10/31/2023	8008960	006.10		CSC Stores	233601	MTEAA024	**TEST REQD**METER, WATER, DISC, M35 3/4" (9), BR2 BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$102.29	288	\$29,460.39	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
11/03/2023	8007986	006.10		CSC Stores	233648	MTEAA018	**TEST REQD** METER, WATER, DISC, M25 5/8" (3/4") (2), PL BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$83.25	288	\$23,976.00	Barrett, Christopher Scott	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
11/03/2023	8007986	006.10		CSC Stores	233648	MTEAA034	**TEST REQD** METER, WATER, DISC, M55 1" (10-3/4), BR2 BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$133.10	160	\$21,296.00	Barrett, Christopher Scott	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
11/06/2023	8007986	006.10		CSC Stores	233405	MTEAA274	**TEST REQUIRED** METER, WATER, DISC, M35 3/4" (9), RCLMD, BR2 BTM 43055-1, PL, (TS-135, SN PER PO & PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-RCLMD, TRX SCRW, SIDEWALK READ, RCLMD, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI.	Each	\$106.87	144	\$15,388.89	Barrett, Christopher Scott	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
11/07/2023	8007986	006.10		CSC Stores	233663	MTEAA300	**TEST REQUIRED** METER, WATER 1" - LOW LEAD SRII METER, NO DRINK, PLASTIC DIVISION PLATE, BRONZE BOTTOM PLATE/SS CAP SCREWS, ELECTRONIC REGISTER TRPL, 0.1 GALLONS 8 WHL, 6TRPL, CBL 3-WIRE, MFG S/N=REG ID (WITH TRPL HOUSING ASSEMBLY)	Each	\$128.69	82	\$10,552.58	Barrett, Christopher Scott	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
11/08/2023	8008966	006.01		CSC Stores	233705	MTEAA024	**TEST REQD**METER, WATER, DISC, M35 5/8" (4") (9), BR2 BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$102.29	80	\$8,183.44	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
11/13/2023	8008960	006.10		CSC Stores	233759	MTEAA024	**TEST REQD**METER, WATER, DISC, M35 3/4" (9), BR2 BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 6 PACK.	Each	\$102.29	288	\$29,460.39	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y
11/13/2023	8008960	006.10		CSC Stores	233759	MTEAA034	**TEST REQD** METER, WATER, DISC, M55 1" (10-3/4), BR2 BTM 43055-1, PL, (TS-135, SN PER PO AND PBB, HR-E, 4CXN2 ORION, PL LID/SHRD-GRY, TRX SCRW, SIDEWALK READ, 8D-0.1 GAL, SN PER PO (SB) IN/PER PO OUT, TT-5', BMI STD, 4 PACK.	Each	\$133.10	80	\$10,648.00	Ott, Deem E	Miscellaneous Project Issue	CSC Stores	CG-1001	Y