Welcome to the JEA Awards Meeting

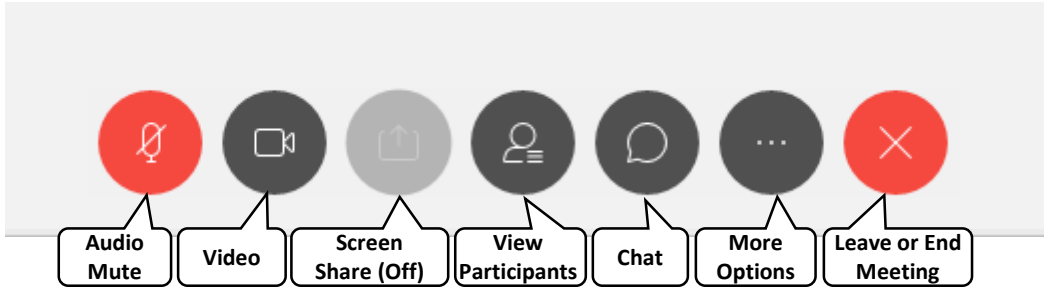
You have been joined to the meeting with your **audio muted** by default.

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

During the meeting, interested persons can also email Jason Behr at behrjv@jea.com to submit public comments to be read during the meeting regarding any matter on the agenda for consideration. Public comments by e-mail must be received no later than 10:10 a.m. to be read during the public comment portion of the meeting.

Please contact Jason Behr by telephone at (904) 665-8750 or by email at behrjv@jea.com if you experience any technical difficulties during the meeting.

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



AWARDS COMMITTEE
AGENDA

DATE: **Thursday, July 30, 2020**

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

PLACE: **WebEx/Teleconference**
WebEx Meeting Number (access code): 160 894 5251
WebEx Password: pxP6CqUSt63

Public Comments:

Awards:

1. Approval of the minutes from the last meeting (07/23/2020).

2. Request approval of a contract Termination for Convenience for JEA Contract No. 181304 with CDM Constructors Inc.

3. Request approval to approve the ratification of PO 190509 in the amount of $19,500.00, execute amendment 5 for the third renewal from 1/1/2020 through 12/30/2020 and award a contract increase to Mechanical Dynamics & Analysis Inc. for major maintenance of steam turbines, boiler feed pump turbines, generators and turbine valves in the amount of $510,000.00, for a new not-to-exceed amount of $30,109,999.00, subject to the availability of lawfully appropriated funds.

4. Request approval to award a three (3) month contract extension to CTI Path LLC. for Cisco Contact Center & Phone System Managed Services in the amount of $43,791.00, for a not-to-exceed amount of $508,703.80, subject to the availability of lawfully appropriated funds.

5. **DEFERRED** - Request approval to award a contract increase to England-Thims & Miller Inc. for CEI services, for CEI services for the Beverly Hills offsite force main in the amount of $197,416.00, for a new not-to-exceed amount of $1,642,105.00, subject to the availability of lawfully appropriated funds.

6. **DEFERRED** - 059-20 – Request approval to award a contract to T B Landmark Construction, Inc. for construction services for the Beverly Hills Offsite Force Main project in the amount of $2,373,374.49, subject to the availability of lawfully appropriated funds.

7. Request ratification of a purchase order to Merrell Bros. Inc., for rental of a centrifuge and hauling of sludge in the amount of $323,178.71, subject to the availability of lawfully appropriated funds.

8. Request approval to award a three (3) year contract to Hach Company for testing equipment and related supplies and services in the amount of $2,046,870.00, subject to the availability of lawfully appropriated funds.

9. Request approval to reassign the previously awarded Eaton Corporation JEA Network Protectors for JEA Inventory Stock Award to Cooper Power Systems, LLC, subject to the availability of lawfully appropriated funds.

Informational Item: N/A

Open Discussion: N/A

Public Notice: N/A

General Business: N/A

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

07-30-2020 Awards Committee

Award #	Type of Award	Business Unit	Estimated/ Budgeted Amount	Amount	Awardee	Term	Summary
1	Minutes	N/A	N/A	N/A	N/A	N/A	Approval of minutes from the 07/23/2020 meeting.
2	Contract Termination	Vu	$11,632,048.00	N/A	CDM Constructors Inc.	N/A	**Progressive Design-Build Services for 118th Street and Wilson Blvd Wastewater Pump Stations** Request a contract termination for convenience.
3	Contract Increase	Erixton	$510,000.00	$510,000.00	Mechanical Dynamics & Analysis Inc.	Five (5) Years with Five (5) – 1 Yr. Renewals	**Major Maintenance of Steam Turbines, Boiler Feed Pump Turbines, Generators, Turbine Valves & Ad Hoc T&M Services** This Award is for the following: 1.) Execution of a renewal through 12/31/2020, 2.) Approve Ratification of a purchase order which was issued. while the contract was expired. 3.) Add funds for NGS Unit 2 Steam valve actuator rebuild. FY 20 $60,000.00 FY 21 $350,000.00
4	Contract Extension/ Amendment	Datz	$200,000.00	$43,791.00	CTI Path LLC	One (1) Yr. w/ No Renewals	**Cisco Contact Center & Phone System Managed Services** The project details are below: • FY20- $29,194.00 • FY21- $14,597.00 • NTE- $43,791.00
5- Defer	**Defer**	**Defer**	**Defer**	**Defer**	**Defer**	**Defer**	**Defer**
6- Defer	**Defer**	**Defer**	**Defer**	**Defer**	**Defer**	**Defer**	**Defer**
7	Emergency	Vu	N/A	$323,178.71	Merrell Bros Inc.	Project Completion	**Buckman WRF Centrifuge and Sludge Hauling** Request ratification approval of an emergency purchase order in the amount of $323,178.71.
8	Standard	Vu	$2,046,870.00	$2,046,870.00	Hach Company	Three (3) Years w/Two (2) – 1 Yr. Renewals	**Hach Services & Commodities Contract- JEA Approved Standard** The projected contract spend is below: • FY20: $113,715.00 • FY21: $682,290.00 • FY22: $682,290.00 • FY23: $568,575.00
9	Miscellaneous	McElroy	$0.00	$0.00	Cooper Power Systems, LLC	5 Years	**Network Protectors for Inventory Stock** Request approval to reassign the previously awarded Eaton Corporation JEA Network Protectors for JEA Inventory Stock Award to Cooper Power Systems, LLC, subject to the availability of lawfully appropriated funds.

07-30-2020 Awards Committee

Total Award				**$2,923,839.71**			

JEA AWARDS COMMITTEE
JULY 23, 2020 MEETING MINUTES

The JEA procurement Awards Committee met on July 23, 2020, via WebEx

WebEx Meeting Number (access code): 160 894 5251
WebEx Password: pxP6CqUSt63

Members in attendance were Jenny McCollum as Chairperson, Laure Whitmer as Budget Representative, David Migut as Office of General Counsel Representative; with Baley Brunell, Steve Tuten, Joe Orfano, Stephen Datz, and Wayne Young as voting Committee Members.

Chair McCollum called the meeting to order at 10:01 a.m., introduced the Awards Committee Members, and confirmed that there was a quorum of the Committee membership present.

Chair McCollum announced that the meeting was being held remotely to slow the spread of the Covid-19 virus and to encourage social distancing and that pursuant to Governor DeSantis' Executive Order 20-69, local governments were allowed to hold public meetings using communications media technology rather than in a physical location. She stated that the JEA Awards Committee meeting was being held by virtual means via WebEx which allows interested persons to view and participate in the meeting remotely. Additionally, Chair McCollum and Landon Todd reviewed the WebEx meeting instructions and how public comment would be received and taken during the meeting.

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

Awards:

Chair McCollum verbally presented the Committee Members the proposed July 16, 2020 minutes contained in the board packet.

MOTION: Joe Orfano made a motion to approve the July 16, 2020 minutes (Award Item 1). The motion was seconded by Stephen Datz and approved unanimously by the Awards Committee (5-0).

The Committee Members reviewed and discussed the following Awards Items 2, 5-8:

2. 056-20 - Request approval to award contracts to CDW in the not to exceed amount of $402,568.02, subject to the availability of lawfully appropriated funds.

   MOTION: Wayne Young made a motion to approve Award Item 2 as presented in the board packet. The motion was seconded by Steve Tuten and approved unanimously by the Awards Committee (5-0).

5. Request approval to award a change order to Florida Department of Transportation for the SR 103 (Lane Avenue) from SR 208 (Wilson Boulevard) to SR 228 (Normandy Boulevard) project in the amount of $40,345.11, for a new not-to-exceed amount of $291,805.02, subject to the availability of lawfully appropriated funds.

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

6. 053-20 - Request approval to rescind this solicitation, and reject all Bids received in anticipation of rebidding.

   MOTION: Steve Tuten made a motion to approve Award Item 6 as presented in the board packet. The motion was seconded by Baley Brunell and approved unanimously by the Awards Committee (5-0).

7. Request approval to award a three (3) year contract to Armorock LLC for polymer manholes and related materials in the amount of $900,000.00, subject to the availability of lawfully appropriated funds.

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

8. Request approval to authorize payments to The University of Arizona, for COVID-19 testing of JEA wastewater samples in the amount of $25,000.00, subject to the availability of lawfully appropriated funds.

   MOTION: Stephen Datz made a motion to approve Award Item 8 as presented in the board packet. The motion was seconded by Steve Tuten and approved unanimously by the Awards Committee (5-0).

Informational Item:

No informational items were presented to the Awards Committee.

Ratifications:

No ratifications were presented to the Awards Committee for consideration.

Public Comments:

No additional public comment speaking period was taken.

Adjournment:

Chair McCollum adjourned the meeting at 10:39 a.m.

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

Formal Bid and Award System

Award #2 July 30, 2020

Type of Award Request: CONTRACT TERMINATION
Requestor Name: Ramirez, Samuel T.
Requestor Phone: (904) 665-6960
Project Title: Progressive Design-Build Services for 118th Street and Wilson Blvd Wastewater Pump Stations
Project Number: 8003568, 8003567
Project Location: JEA
Funds: Capital
Budget Estimate: $11,632,048.00 (Phase 1 & 2 Estimate)

Scope of Work:

JEA is requesting proposals from qualified Design-Build (DB) firms to provide a turnkey project (design, permitting, construction and startup) for the rehabilitation of two (2) Wastewater Pump Stations. The locations are:

- 5104 118th Street, wastewater pump station
- 6217 Wilson Blvd., wastewater pump station

JEA intends to implement the proposed improvements through a progressive design-build project delivery method pursuant to the requirements set forth in Florida statute 287.55. The DB Firm is solely responsible for providing a turnkey project including, but not limited to, the management (planning, supervision and contract coordination), professional design services (including permitting) and construction (including all labor, equipment, materials and inspections) necessary to provide JEA with a completed project on a timely basis within JEA's approved budget.

JEA IFB/RFP/State/City/GSA#: 025-18
CPA#: 181304
Purchasing Agent: Kruck, Daniel R.
Is this a Ratification?: NO

COMPANY:

Name	Contact Name	Email	Address	Phone	Amount
CDM CONSTRUCTORS INC.	Robert Gilbert	gilbertrj@cdmsmith.com	8381 Dix Ellis Trail, Suite 400, Jacksonville, FL 32256	(407)660-6453	N/A

Background/Recommendations:

Originally approved by the Awards Committee on 03/28/2019 in the amount of $849,670.00. A copy of the original award is attached as backup.

CDM Constructors Inc completed Phase I of the contract and submitted a proposed opinion of probable construction cost (OPCC) and fee to complete the design work during Phase II. JEA does not believe the OPCC is competitive and the design-build team has not provided a satisfactory plan to complete the project to budget. The OPCC provided by CDM Constructors Inc is approximately double the expected cost when

compared to past projects and proposed fees on other alternative delivery projects. Furthermore, JEA has not realized the benefits of fast delivery, risk reduction, and design/construction collaboration expected from progressive design-build delivery. The JEA team believes the most economical course of action at this time is to terminate this contract for convenience, hire a new design firm to complete the design, and competitively bid the work under a design-bid-build delivery model.

JEA has spent $727,391.30 of the original award amount for Phase I services. JEA will retain ownership of the 60% design documents that have been produced. These design documents will be transferred to whichever firm is selected to complete the design in order to reduce the effort required to complete the design. The design documents will have to be reviewed and modified to meet current JEA needs and the current estimate to complete design with a new firm is $600,000.00. The designer from this design-build contract will be prohibited from proposing during the request for proposals for design services.

Request approval of a contract Termination for Convenience for JEA Contract No. 181304 with CDM Constructors Inc.

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

APPROVALS:

_____

Chairman, Awards Committee **Date**

_____

Manager, Capital Budget Planning **Date**

Approved by the JEA Awards Committee

Date: 03/28/2019 Item# 8

Formal Bid and Award System

CPA 181304

Award #8 March 28, 2019

Type of Award Request:	PROPOSAL (RFP)
Request #:	4063
Requestor Name:	Ramirez, Samuel
Requestor Phone:	904-665-6960
Project Title:	Progressive Design-Build Services for 118th Street and Wilson Blvd Wastewater Pump Stations
Project Number:	8003568 (118th), 8003567 (Wilson)
Project Location:	JEA
Funds:	Capital
Budget Estimate:	$11,632,048.00 (Phase 1 and 2)

Scope of Work:

JEA is requesting proposals from qualified Design-Build (DB) firms to provide a turnkey project (design, permitting, construction and startup) for the rehabilitation of two (2) Wastewater Pump Stations. The locations are:

- 5104 118th Street, wastewater pump station
- 6217 Wilson Blvd., wastewater pump station

JEA intends to implement the proposed improvements through a progressive design-build project delivery method pursuant to the requirements set forth in Florida statute 287.55. The DB Firm is solely responsible for providing a turnkey project including, but not limited to, the management (planning, supervision and contract coordination), professional design services (including permitting) and construction (including all labor, equipment, materials and inspections) necessary to provide JEA with a completed project on a timely basis within JEA's approved budget.

This award positively impacts all of JEA's Measures of Value:

- Customer Value: system upgrades, provide right sized system improvements which minimize cost to the customer, while maintaining service levels, increasing overall value of the utility to the customer
- Community Impact Value: Improved operational reliability improves the level of service and positively impacts the community
- Environmental Value: pump station efficiency and reliability lessens the potential of sanitary sewer overflows (SSOs) and the utilities impact on the environment
- Financial Value: Planned and timed upgrades to the waste water infrastructure makes the best use of capital resources, while keeping the utility operating within design limitations, which provides a better return on investment and creates financial value

JEA IFB/RFP/State/City/GSA#:	025-18
Purchasing Agent:	Lovgren, Rodney
Is this a Ratification?:	NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
CDM CONSTRUCTORS INC.	Robert Gilbert	gilbertrj@cdmsmith.com	8381 Dix Ellis Trail, Suite 400, Jacksonville, FL 32256	(407)660-6453	$849,670.00

Amount for entire term of Contract/PO: $849,670.00
Award Amount for remainder of this FY: $227,000.00
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 04/18/2019
End Date (mm/dd/yyyy): Project Completion (Expected: 02/10/2020)
JSEB Requirement: Goal 10%
Comments on JSEB Requirements:
CDM Constructors Inc. committed 5% for Phase I. JSEB requirements for Phase II will be set per Progressive Design-Build Terms and Conditions.

PROPOSERS:

Name	Amount	Rank
CDM CONSTRUCTORS INC.	$849,670.00	1
GARNEY COMPANIES INC.	N/A	2
HASKELL	N/A	3
REYNOLDS CONSTRUCTION INC.	N/A	4

Background/Recommendations:
Advertised March 23, 2018. Twenty-three (23) prime companies attended the mandatory pre-proposal meeting held on March 28, 2018. At proposal opening on May 31, 2018, JEA received four (4) Proposals. The public evaluation meeting was held on August 27, 2018 and JEA deemed CDM Constructors most qualified to perform the work. A copy of the evaluation matrix and negotiated schedule and fees are attached as backup.

Negotiations with CDM Constructors, Inc. were successfully completed for Phase 1 of this project. This project will be delivered using progressive design-build. The effort will be split into two (2) phases. Phase 1 includes engineering design up to sixty percent (60%), support services, and pre-construction services, which is approximately seven percent (7.3%) of the estimated project cost. After Phase 1, a Guaranteed Maximum Price (GMP) will be established, with an option of an "off-ramp" if construction pricing is not acceptable. Upon acceptance of the GMP and subsequent approval of the Award Committee, Phase 2 will commence. Phase 2 will include the final design, services during construction (SDC), construction and startup costs.

Project Budget and Schedule Details:

- Total Project Budget Estimate (at the time of Proposal): $11,632,048.00
- Phase 1 fee (60% design): $849,670.00 (7.3% of Budget Estimate)
- DB Firm: CDM Constructors, Inc.
- Project Completion Key Dates (Estimated):
    - Phase 1 Start: 04/18/2019

- Phase 1 Completion: 02/10/2020
- Phase 2 Estimated Completion: 08/05/2021

025-18 - Request approval to award a contract to CDM Constructors, Inc. for Phase 1 of Progressive Design-Build Services for 118th Street and Wilson Blvd Wastewater Pump Stations, in the amount of $849,670.00, subject to the availability of lawfully appropriated funds.

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

APPROVALS:

3/28/19

Chairman, Awards Committee **Date**

3/28/19

Manager, Capital Budget Planning **Date**

Exhibit B - D-B FIRM - Phase 1 Design Fee and Cash Flow to GMP
March 2019

[illegible] WASTEWATER PUMP STATION UPGRADES – Phase 1 Design Services	Engineering Design Team Personnel	Construction Team Personnel	Design Hours	Const. Hours	Total Hours	Design Cost	Construction Cost	Total Cost
Task 1 - Project Management	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.1 Data Collection & Kick off	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.2 Project and Quality Management	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.3 Quality Assurance and Quality Control	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.4 Project Meetings and Workshops	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TASK 1 RESOURCE TOTALS	[illegible]	[illegible]						
Task 2 - Design Validation (DB Design)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TASK 2 RESOURCE TOTALS	[illegible]	[illegible]						
Task 3 - Conceptual/Schematic Design (10 Percent Design)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TASK 3 RESOURCE TOTALS	[illegible]	[illegible]						
Task 4 - Preliminary Design (30 Percent Design)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TASK 4 RESOURCE TOTALS	[illegible]	[illegible]						
Task 5 - Design Development to 60 percent Design Documents and 60 Percent GMP	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TASK 5 RESOURCE TOTALS	[illegible]	[illegible]						
Task 6 - Preconstruction Services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TASK 6 RESOURCE TOTALS	[illegible]	[illegible]						
Total Hours	[illegible]	[illegible]						
Total $	[illegible]	[illegible]						

TOTAL HOURS = [illegible]

Fee Summary Table		
TASKS 1-5 – ENGINEERING DESIGN SERVICES UP TO GMP		
LABOR	$	[illegible]
OTHER DIRECT COSTS/Outside Professionals	$	[illegible]
Tasks 1 thru 5 (LUMP SUM) TOTAL	$	[illegible]
TASK 6 – PRECONSTRUCTION SERVICES		
LABOR	$	91,746
GC & DB Fee	$	[illegible]
Task 6 (LUMP SUM) TOTAL	$	[illegible]

TOTAL NTE $ [illegible]

Exhibit B - Phase 1 Resource and Cash Flow Projection
March 2019

Task List			FY 2018						FY 2019						
			APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN			
Task 1 - Project Management															
Task 2 - Design Definition (5%)															
Task 3 - Schematic Design (10%)															
Task 4 - Preliminary Design (30%)															
Task 5 - 60% Design Documents & GMP															
Task 6- Preconstruction Services															
Other Direct Expenses - Outside Professionals															
Task Description			APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN			
Task 1 - Project Management															
Staff	**Name**	**Rate**											**Total Hours**	**Total Cost**	**Subtotal**
Project Manager	Hagaman, Ryan	$141		14	14	14	14	14	14	14	14		108	$ 15,228.00	
Design Manager	Prah, D.	$268		4	4	4	4	4	4	4	4		32	$ 8,160.00	
Specialist	Tappan, C; Goldman, J; Wittig, J. E	$255				16		16		16			48	$ 12,240.00	
Sr. Engineer	Herom, E., J. Healy	$210		19	19	19	19	19	19	19	19		148	$ 31,080.00	
Professional Engineer	Williams, B.; Poulot, P.;	$175			12			12					24	$ 4,200.00	
Jr. Engineer	Cogger, B.; Schnieder, B.	$135		5	5	5							16	$ 2,160.00	
Sr. Structural/Architectual/Elec	Sanchez, J./Alford, M./Perry, S.	$175			13			13		13			40	$ 7,000.00	
Instrumentation	Whitmore, S.	$155			8			4		4			16	$ 2,480.00	
HVAC/Plumbing/	Mierig, J.	$150						8		8			16	$ 2,400.00	
O&M Specialist	Newberg, R.	$140		3	3	3							8	$ 1,120.00	
Professional 1	Humphries, M. Somneth, D.	$135		1	1	1	1	1	1	1	1		8	$ 960.00	
Document Control	Quilotto, C.	$90		5	5	5	5	5	5	5	5		40	$ 3,600.00	
Admin	Admin	$97		6	6	6	6	6	6	6	6		48	$ 4,656.00	
		Expenses			$ 7,571.43	$ 7,571.43	$ 7,571.43	$ 7,571.43	$ 7,571.43	$ 7,571.43	$ 7,571.43				
		Task 1 Subtotal		$ 9,053.83	$ 14,727.17	$ 13,133.83	$ 7,960.50	$ 16,293.83	$ 7,960.50	$ 16,193.83	$ 7,960.50	$ -	552		$ 53,000.00
Task 2 - Design Definition (5%)															$ 95,264.00
Staff	**Name**	**Rate**													
Design Manager	Prah, D.	$268	2	2									-	$ -	
Specialist	Tappan, C; Goldman, J; Wittig	$255	8	8									4	$ 1,020.00	
Sr. Engineer	Herom, E., J. Healy	$210	11	11									16	$ 4,080.00	
Jr. Engineer	Cogger, B.; Schnieder, B.	$135	15	15									22	$ 4,620.00	
Sr. Structural/Architectual/Elec	Sanchez, J./Alford, M./Perry, S.	$175	34	34									30	$ 4,050.00	
Instrumentation	Whitmore, S.	$155	9	9									68	$ 11,900.00	
HVAC/Plumbing/	Mierig, J.	$150	5	5									10	$ 1,550.00	
O&M Specialist	Newberg, R.	$140	0	0									10	$ 1,500.00	
Professional 1	Thompson, C., Dumitrescu, M.	$120	2	2									-	$ -	
Document Control	Quilotto, C.	$90	4	4									4	$ 480.00	
		Expenses											8	$ 720.00	
		Task 2 Subtotal	$ 14,960.00	$ 14,960.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	172		$ 29,920.00
Task 3 - Schematic Design (10%)															
Staff	**Name**	**Rate**													
Design Manager	Prah, D.	$268		31	31	31							92	$ 23,460.00	
specialist	Tappan, C; Goldman, J; Wittig, J. E	$255		16	16	16							48	$ 12,240.00	
Sr. Engineer	Herom, E., J. Healy	$210		30	30	30							91	$ 19,110.00	
Jr. Engineer	Cogger, B.; Schnieder, B.	$135		31	31	31							92	$ 12,420.00	
Professional Engineer	Williams, B.; Poulot, P.;	$176		44	44	44							133	$ 23,276.00	
Sr. Structural/Architectual/Elec	Sanchez, J./Alford, M./Perry, S.	$175		87	87	87							260	$ 45,500.00	
Struct/Arch/Elect Engineer	Francofort, K./Sollog, C./Reynoso,	$140		35	35	35							104	$ 14,560.00	
Instrumentation	Whitmore, S.	$155		12	12	12							36	$ 5,580.00	
HVAC/Plumbing	Mierig, J.	$150		32	32	32							95	$ 14,250.00	
O&M Specialist	Newberg, R.	$140		8	8	8							24	$ 3,360.00	
Sr. CAD	Nunes, A.	$130		20	20	20							60	$ 7,800.00	
CAD Tech	CADD 3/4	$95		13	13	13							40	$ 3,800.00	
Professional 1	Thompson, C., Dumitrescu, M.	$120		2	2	2							6	$ 720.00	
Document Control	Quilotto, C.	$90		10	10	10							30	$ 2,700.00	
		Expenses												$ -	
		Task 3 Subtotal	$ -	$ -	$ 62,925.00	$ 62,925.00	$ 62,925.00	$ -	$ -	$ -	$ -	$ -	1,111		$ 188,775.00

Exhibit B - Phase 1 Resource and Cash Flow Projection

March 2019

Task 4 - Preliminary Design (90%)																				
Staff	Name	Rate																		
Design Manager	Prah, D.	$255							20	20	20					60	$	15,045.00		
Specialist	Tappan, C; Goldman, J; Wittig, J.	$265							8	8	8					24	$	6,120.00		
Sr. Engineer	Herom, E., J. Healy	$210							16	16	16					48	$	10,080.00		
Jr. Engineer	Cogger, B.; Schneider, B.	$135							43	43	43					129	$	17,280.00		
Professional Engineer	Williams, B.; Poulot, P.	$175							34	34	34					102	$	17,850.00		
Sr. Structural/Architectual/Elec	Sanchez, J./Alford, M./Parry, S.	$175							47	47	47					142	$	24,850.00		
Struct/Arch/Elect Engineer	Francofort, K./Solbig, C./Reynoso,	$140							60	60	60					180	$	25,200.00		
Instrumentation	Whitmore, S.	$155							12	12	12					36	$	5,580.00		
HVAC/Plumbing	Mierig, J.	$150							18	18	18					54	$	8,100.00		
O&M Specialist	Newberg, R.	$140							7	7	7					20	$	2,800.00		
Sr. CAD	CADD 7/8	$130							40	40	40					120	$	15,600.00		
CAD Tech	CADD 3/4	$95							13	13	13					40	$	3,800.00		
Professional 1	Thompson, C., Dumitrescu, M.	$120							2	2	2					6	$	720.00		
Document Control	Giulotto, C.	$90							6	6	6					19	$	1,710.00		
		Expenses															$	-		
		Task 4 Subtotal	$ -	$ -	$ -	$ -	$ -	$ 51,578.33	$ 51,578.33	$ 51,578.33	$ -	$ -	$ -			978			$	154,735.00
Task 5 - 60% Design Documents & GMP																				
Staff	Name	Rate																		
Design Manager	Prah, D.	$255									5	5	5			15	$	4,080.00		
Specialist	Tappan, C; Goldman, J; Wittig, J.	$265									8	8	8			24	$	6,120.00		
Sr. Engineer	Herom, E., J. Healy	$210									17	17	17			51	$	10,710.00		
Jr. Engineer	Cogger, B.; Schneider, B.	$135									53	53	53			160	$	21,600.00		
Professional Engineer	Williams, B.; Poulot, P.	$175									46	46	46			138	$	24,150.00		
Sr. Structural/Architectual/Elec	Sanchez, J./Alford, M./Parry, S.	$175									37	37	37			112	$	19,600.00		
Struct/Arch/Elect Engineer	Francofort, K./Solbig, C./Reynoso,	$140									48	48	48			143	$	20,020.00		
Instrumentation	Whitmore, S.	$155									16	16	16			48	$	7,440.00		
HVAC/Plumbing	Mierig, J.	$150									27	27	27			80	$	12,000.00		
O&M Specialist	Newberg, R.	$140									10	10	10			30	$	4,200.00		
Sr. CAD	Nunes, A.	$130									40	40	40			120	$	15,600.00		
CAD Tech	CADD 3/4	$95									13	13	13			40	$	3,800.00		
Professional 1	Dumitrescu, M.	$120									2	2	2			6	$	720.00		
Document Control	Giulotto, C.	$90									6	6	6			19	$	1,710.00		
		Expenses															$	-		
		Task 5 Subtotal	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 50,583.33	$ 50,583.33	$ 50,583.33	$ -			997			$	151,750.00
Task 6 - Preconstruction Services																				
Staff	Name	Rate																		
Project Manager	Hagaman, Ryan	$141				16	16	16	16	16	16	16	16			114	$	16,074.00		
Lead Estimator	Gadberry, C.	$186				35				35		35	35			138	$	25,668.00		
Electrical Estimator	Bob Accordino	$126				11				11		11	11			45	$	5,670.00		
Project Controls Leader	Nick Maxin	$146				8	8	8	8	8	8	8	8			40	$	5,840.00		
Project Controls Assistant	Libby Gayton	$264				17	17	17	17	17	17	17	17			120	$	24,480.00		
Regional H&S Leader	Mike Cruz	$126				4	4						8			16	$	2,016.00		
Procurement Manager	Larry Oliver	$123				9	9	9	9	9	9	9	9			86	$	8,118.00		
Procurement Buyer	Evelyn Gonzalez	$61				6	6	6	6	6	6	6	6			40	$	2,440.00		
Contract Admin	Lao Mastrodonato	$83				1	1	1	1	1	1	1	1			8	$	664.00		
Admin	King, C.	$97				1	1	1	1	1	1	1	1			8	$	776.00		
		Expenses				$ 3,643	$ 3,643	$ 3,643	$ 3,643	$ 3,643	$ 3,643	$ 3,643	$ 3,643						$	25,500.00
		Task 6 Subtotal	$ -	$ -	$ -	$ 16,680.21	$ 8,845.71	$ 8,341.71	$ 16,176.21	$ 8,341.71	$ 16,176.21	$ 17,184.21	$ -			666			$	91,748.00
Other Direct Expenses - Subcontractors																				
Staff	Name	Rate																		
Geotech	Meskel & Associates Engineers	$11,200			$3,733.33	$3,733.33	$3,733.33										$	11,200.00		
SUE	FR Aleman	$6,760			$2,253.33	$2,253.33	$2,253.33										$	6,760.00		
Wetlands Survey	Environmental Resource Solutions	$2,400			$800.00	$800.00	$800.00										$	2,400.00		
Site Survey	RE Holland	$38,600			$12,866.67	$12,866.67	$12,866.67										$	38,600.00		
		Expenses			$19,653.33	$19,653.33	$19,653.33													
		Task 7 Subtotal																	$	58,960.00

Exhibit B - Phase 1 Resource and Cash Flow Projection
March 2019

PROJECT TOTAL	$ -														
Total Hours by Month	-	86	512	666	623	431	530	760	521	467	-	4,395			
Total Billable Hour Cost (Excluding Expenses/Subconsultants)	$ -	$ 14,900	$ 86,939	$ 94,332	$ 84,905	$ 67,881	$ 86,048	$ 118,464	$ 82,953	$ 75,728	$ -				
Total Expenses per month	$ -	$ -	$ 19,653	$ 30,868	$ 30,868	$ 11,214	$ 11,214	$ 11,214	$ 11,214	$ 11,214	$ -	137,460			
														Total Project Cost	$ 849,670.00

Fiscal Year 2019 (Oct-Sept)		Fiscal Year 2020 (Oct-Sept)	
Total Hours =	2,627	Total Hours =	1,767
Total Cost =	$ $38,882	Total Cost =	$ 310,788
% of Overall Project Cost =	63%	% of Overall Project Cost =	37%

Total hours	4,395
Total Cost $	849,670
Total %	100%

EXHIBIT A

025-18 Progressive Design-Build Services for 118th Street, Wilson Blvd, and Blanding Blvd/Robitzsch Wastewater Pump Stations

Phase 1 Services - Planning Phase, BODR, Design Up to 60%, and Definition of GMP

March 15, 2019

This is an Exhibit to Agreement 025-18 between JEA (OWNER) and CDM Constructors Inc. (DB-FIRM) dated March ___, 2019.

PROJECT BACKGROUND

OWNER has requested that the DB-FIRM provide Progressive Design Build (PDB) Services for complete design and construction of the rehabilitation of two (2) existing wastewater pump stations. The work is to be performed in two phases:

1. Phase 1 – Planning Phase Services, BODR, design up to 60%, and definition of GMP (Guaranteed Maximum Price).

2. Phase 2 – Design to 100%, construction, start up, and commissioning.

This Exhibit B defines the Phase 1 work effort (design and pre-construction services). It is the OWNER's intent that, following the completion of the work in Phase 1 (Agreement Amendment No. 1) and the OWNER's selection of a final concept for each pump station in the Project, the OWNER will continue with the negotiations for Phase 2 (Agreement Amendment No. 2).

SCOPE OF WORK

The following is a summary description by task of the services to be provided by DB-FIRMDB-FIRM under this Authorization for Phase 1 Services. The attached Appendices provide a Project Overview at each pump station and describe the anticipated design scope of work for each pump station as follows:

1. A1 5104 118th Street Wastewater Master Pump Station (WMPS)
2. A2 6217 Wilson Boulevard WMPS including replacement of 600 linear feet of a 16" diameter force main

Project Information Reporting:

The DB-FIRM shall anticipate periodic meetings with JEA personnel and other agencies as required for resolution of design and/or construction issues. These meetings may include:

- JEA technical issue resolution
- Local government agency coordination

- Maintenance of Traffic Workshop
- Permit agency coordination
- Scoping Meetings
- Instrumentation and Control (I&C) Meetings
- Utility Coordination Meetings
- Design Kickoff Meeting
- Comment Resolution Meetings
- Pre-Construction Meeting
- Dispute Review Meetings

The DB-FIRM shall meet with the JEA's Project Manager at least thirty (30) calendar days before beginning I&C activities. The purpose of these meetings shall be to verify the DB-FIRM's I&C plans by reviewing site conditions, proposed diagrams, troubleshooting issues, and other design issues. In addition, at these meetings the DB-FIRM shall identify any concerns regarding the I&C and provide detailed information on how such concerns will be addressed and/or minimized.

The DB-FIRM shall provide all documentation required to support I&C meetings, including detailed functional narrative text, system and subsystem drawings and schematics. Also included shall be the documentation to demonstrate all elements of the proposed design which includes, but is not limited to: technical, functional, and operational requirements; ITS/communications; equipment; termination/patch panels; performance criteria; and details relating to interfaces to SCADA.

I&C Meetings will be held on mutually agreeable dates.

All action items resulting from the I&C Meeting shall be satisfactorily addressed by the DB-FIRM and reviewed and approved by JEA.

Utility Coordination:

The DB-FIRM shall utilize a single dedicated person responsible for managing all utility coordination. This person shall be contractually referred to as the Utility Coordinator. The DB-FIRM shall notify JEA in writing of any change in the identity of the Utility Coordinator. The DB-FIRM Utility Coordinator shall be responsible for managing all utility coordination, including, but not limited to, the following:

- Ensuring that all utility coordination and activities are conducted in accordance with the requirements of the Design Documents.
- Identifying all existing utilities and coordinating the proposed installations.
- Scheduling utility meetings, preparing and distributing minutes of all utility meetings, and ensuring expedient follow-up on all unresolved issues.
- Distributing all plans, conflict matrices and changes to affected Utility Agency/Owners and making sure this information is properly coordinated.
- Identifying and coordinating the execution and performance under any agreement that is required for any utility work needed in with the Design-Build Project.
- Preparing, reviewing, approving, signing, and coordinating the implementation of and submitting to JEA for review and acceptance of any agreement for relocation.
- Resolving utility conflicts.
- Obtaining and maintaining all appropriate Sunshine State One Call Tickets.

- Performing Constructability Reviews of plans prior to construction activities with regard to the installation, removal, temporary removal, de-energizing, deactivation, relocation, or adjustment of utilities.
- Providing periodic Project updates to JEA Project Manager as requested
- Coordination with JEA on any issues that arise concerning reimbursement of utility relocation work costs.

TASK 1 – PLANNING PHASE SERVICES

Task 1.1 – Data Collection and Kick off Meeting

Within two weeks of formal notice to proceed (NTP) the DB-FIRM will schedule and attend a single kickoff meeting and Site Visit with the OWNER for gathering and understanding the available data for each pump station and discussing the project management of the Project. The "Project Overview" for each pump station, see Appendices, will be reviewed for current verification and understanding by the Project Team.

Task 1.2 - Project and Quality Management

Delivery of the Project will require planning and management, collaboration with the OWNER, orchestration of known stakeholders and management of the Project to stay in compliance with the requirements of Phase 1. Activities consist of:

1. Project management plan.
2. Project safety plan.
3. Risk management.
4. Budget oversight.
5. Design oversight.
6. Preconstruction services.
7. Constructability reviews.
8. Permitting planning.
9. Scheduling
10. Cost accounting.
11. Progress reporting.

Task 1.3 – Quality Assurance and Quality Control

Quality Assurance and Control (QAQC) of the Project will be performed by Project Management team. The Project will follow guidelines outlined in the DB-FIRMDB-FIRM's written Quality Management System (QMS). DB-FIRM's quality processes include formal review and cross-checking activities designed to deliver a quality product.

Technical Review Committee (TRC) meeting(s) for the pump station held concurrently with the Project design deliverables with a team of independent technical experts from the DB-FIRM.

Task 1.4 – Project Meetings and Workshops

The following Project Meetings and Workshops will be held

1. Workshop No. 1: The DB-FIRMDB-FIRM will facilitate one full-day workshop with the OWNER's staff to review and discuss the 30 Percent design documents to finalize the design decisions, (one combined meeting the two WWPSs). Meetings will be held at OWNER's office with representatives from OWNER's staff and key staff from the DB-FIRMDB-FIRM.
2. Workshop No. 2: The DB-FIRM will facilitate one full-day workshop with the OWNER's staff to review and discuss the 60 percent design documents to finalize the design decisions, (one combined meeting the two WWPSs). Meetings will be held at OWNER's office with representatives from OWNER's staff and key staff from the DB-FIRM.
3. The DB-FIRM will prepare agendas with OWNER's project manager input for each workshop and will record the meeting minutes, maintain critical action items list and decisions lists for each meeting. Draft meeting minutes will be provided to OWNER's project manager for review, and after review, will be issued as final.
4. Bi-weekly coordination phone conference calls will be held between the OWNER and DB-FIRM. These meetings will be scheduled for one hour each. A running log of issues and resolutions will be kept by the DB-FIRM to track comment resolution, action items, and document decisions.

Deliverables for Task 1:

1. Project Management Plan.
2. Project Safety Plan.
3. Proposed Workshop Agendas and electronic ".doc, .pdf, or .ppt" files of PowerPoint presentations to facilitate meeting discussions, documentation of meetings proceedings.
4. Documentation of Technical Review Committee (TRC) Meeting/Review issues and action items resolution matrix in .pdf format.
5. Updated summary log of significant bi weekly coordination resolutions/determinations/action items.

TASK 2 – DESIGN DEFINITION (5% DESIGN)

The DB-FIRM will undertake the evaluations, inspections, analyses and investigation presented in the Appendices at each pump station site to develop a design definition for each pump station site. The design definition will be based on visual site inspection, hydraulic analyses provided by OWNER, site flood elevations, projected (2040) pump station service area demands, current (2019) code compliance, and meetings with regulatory agencies.

Deliverables for Task 2: Deliverables are listed in the Appendix for each Pump Station (A1 & A2 respectively).

TASK 3 – CONCEPTUAL/SCHEMATIC DESIGN (10 PERCENT DESIGN)

A single Technical Memo (TM) will be developed for the Project design concept the two stations listed in Appendices A1 & A2 and provided for OWNER review and acceptance containing elements as described in Appendices A1 & A2 for each pump station.

Deliverables for Task 3: Deliverables are listed in the Appendix for each Pump Station (A1 & A2 respectively).

TASK 4 –PRELIMINARY DESIGN (30 PERCENT DESIGN)

The design concept identified in the Technical Memos for each station will be advanced to the 30 percent preliminary design level. The 30 percent design package will include Preliminary Construction Documents and a Preliminary Design Report (PDR).

Task 4.1 – 30 Percent Preliminary Design Documents

1. Develop list of applicable JEA standard specifications as the basis of the Preliminary Design Documents. The specifications detailed in Appendices A1 & A2 shall be listed by D-B Firm

2. Prepare Construction Documents to include overall 30 percent drawings showing the scope, extent, and character of the work to be performed and furnished by DB-FIRM. One combined set of design drawings shall be prepared for the two pump stations. The Contract Documents shall include the following developed to various stages of completion for overall 30 percent complete:

    a. Drawings to be provided are detailed in Appendices A1 & A2. JEA standard drawings and details shall be utilized as applicable.

3. Schedule and conduct up to two (2) meetings with regulatory agencies to determine required permit applications and associated application fees. Meetings are expected at FDEP, and COJ Zoning. DB-FIRM will present Schematic Designs for the two sites list in RFQ #025-18 at the meeting with each agency. Follow up with written correspondence documenting the understanding reached at the meetings. DB-FIRM will provide OWNER with copies of all correspondence to and from regulatory agencies.

Task 4.2 – Preliminary Design Report (PDR)

The DB-FIRM will prepare one Preliminary Design Report (PDR) which will update the Schematic Design Document (SDD) previously accepted by OWNER, which will have sections with information common to all the pump stations and one section specific to each of the individual pump stations. The PDR will be available for review and discussion at the Workshop.

Deliverables for Task 4: Deliverables for Task 4 shall be as detailed in the Appendices A1 & A2.

TASK 5 – DESIGN DEVELOPMENT TO 60 PERCENT DESIGN DOCUMENTS AND 60 PERCENT GMP

Following the review workshop of the Task 4 preliminary design and concept presented in the PDR, the DB-FIRM will advance the PDR to the 60 percent design development level. The 60 percent design package will include interim Construction Documents.

Task 5.1 – Development of Design Drawings and Specifications to 60 Percent Completion

1. D-B Firm shall review the JEA Standard Specifications for applicability to the overall pump station Project. Where the standard JEA specifications are not applicable or require modification, D-B Firm will supplement JEA standard by writing appropriate specification. D-B Firm shall provide the new specifications detailed in Appendices A1 & A2.

2. Advance the 30 percent complete Construction Documents to 60 percent drawings and technical specifications showing the scope, extent, and character of the work to be performed and furnished by DB-FIRM.

   The Contract Documents shall include the following for an approximate level of completion overall of 60 percent and sufficient for the development of the GMP:

   a. General drawings - cover, index, abbreviations, legend, notes

   b. Civil drawings – site plans, grading, erosion control, paving, stormwater management, pipeline plans, profiles for pipe 12-inch and larger, landscaping, meters, fencing, MOT, bypass system, and contractor laydown areas.

   c. Process mechanical drawings for the pump station interior – manual bar rack, pumps, piping, gates, valves, ancillary systems, temporary station bypass, and permanent diesel back up pump.

   d. Architectural drawings for the building shell and electrical room or standalone electrical building.

   e. Structural drawings and structural repairs.

   f. HVAC, Odor Control, Fire Protection and Plumbing drawings.

   g. Electrical drawings power, and one-line.

   h. Automation/Instrumentation drawings, P&I/D.

2. Updated list of anticipated permits by permitting agency.

3. Develop 60 percent GMP.

Deliverables for Task 5: Deliverables for Task 4 shall be as detailed in the Appendices A1 & A2.

TASK 6 – PRE-CONSTRUCTION SERVICES

Pre-Construction services activities are necessary to transition into active construction of the Project.

1. Subcontractor Management Services – DB-FIRM shall develop bid packages, solicit price proposals, review Outside Professional proposals, develop and execute Subcontract Agreements, manage Outside Professionals work products and administration requirements for Professionals to provide Geotechnical, Subsurface Utility Locates, Wetlands Survey, and Site Survey services.

2. Health and Safety – DB-FIRM will develop and publish an Activity Hazard Analysis (AHA) plan to manage Phase 1 Outside Professionals and DB-FIRM staff while performing work associated with Phase 1.

3. Risk Management – DB-FIRM develop and submit an overall Project Risk Register.

4. OPCC Cost Estimate and GMP Proposal – DB-FIRM will prepare for OWNER's written approval a preliminary opinion of probable construction cost (OPCC) estimate for Phase 2 of the project for the following milestone deliverables:
    a. 10 percent design level – AACE Class 4 (-30%/+50%) OPCC estimate
    b. 30 percent design level – AACE Class 3 (-20%/+30%) OPCC estimate
    c. 60 percent design level – AACE Class 2 (-15%/+20%) GMP proposal

5. Project Controls, Reporting, & Scheduling
    a. Project Controls and Reporting – DB-FIRM will develop and submit a schedule of values consistent with the attached fee table for the purpose of invoicing and reporting progress to OWNER.

    b. Project Schedule – DB-FIRM will provide an overall Project schedule which shall include Work Breakdown Structures (WBS) activities for preliminary planning and design through submittal of GMP related to Phase 1 Project. DB-FIRM shall provide the construction schedule at the 10% design milestone and will update the schedule and submit as part of the 60% GMP milestone.

    c. Pre-procurement Services – DB-FIRM will conduct pre-procurement services.

6. Bid Package Strategy Development – DB-FIRM will divide the work into multiple bid packages as deemed appropriate.

Deliverables for Task 6:

1. Overall Project Schedule, Risk Register, and OPCC at the 10% Design milestone.

2. Overall Project Schedule, Risk Register, and OPCC at the 30% Design milestone..
3. Bid Packages for final Design Phase
4. GMP Proposal.

INFORMATION OR ASSISTANCE TO BE PROVIDED BY OWNER

- Available record drawings and major equipment data sheet or asset information for each existing pump station in the Project.
- Any reports or past evaluations associated with the site (e.g. environmental audits) or infrastructure at each pump station in the Project.
- Legal description and property boundary survey of each pump station site in the Project.
- Electrical power feed and historical (3-yr) monthly meter usage at each existing pump station in the Project.
- OWNER specific design criteria for services, communication data, security, etc. at each pump station.
- Copies of operating or other permits for each existing facility in the Project.
- Current (2019) GIS pipe network shapefile showing the piping and manifolded pump stations associated with each of the Project pump stations.
- Provide present and future inflow to each pump station (ADF & PHF).
- Provide pressure ranges at JEA designated point of connection.

ASSUMPTIONS

- Pump Station design is limited to the 118th Street and Wilson Blvd Pump Station Sites. This scope of work specifically excludes analysis of operating conditions for pump stations that are not specifically listed. System wide modeling is excluded from this scope.
- 118th St and Wilson Blvd Pump Stations will be concurrently produced as a single set of plans and specifications.
- Influent flows are provided by OWNER. DB FIRM will rely on the influent flows provided. Field verification of the flow data is excluded from this scope of work.
- Only the 60% schedule will comply with Exhibit D - CPM Scheduling, Revision 0, last updated July 12, 2017 which requires scheduling document include cost and resource loaded schedules. Schedules at 10% and 30% provide only milestones schedules.

- References to Standard Specifications and Drawing Details refers to "Water and Wastewater Standards Manual"; the "Wastewater Pump Station Manuals" dated January 2019; Facilities Standards Manual (Jan 2019); Rules and Regulations for Electric Service; and Water Wastewater Design Guidelines.
- Structural Resonance Frequency Modeling or equal analysis is excluded from Phase 1.

TIME OF COMPLETION/SCHEDULE

DB-FIRM will begin work within ten days of receipt of a written authorization to proceed. The Phase 1 scope of services and fee is based on an overall not-to-exceed nine-month duration.

COMPENSATION AND PAYMENT

For performing the **Phase 1 – Planning, Design, & Preconstruction Services**, OWNER agrees to pay DB-FIRM the lump sum not to exceed of $849,670.

Formal Bid and Award System

Award #3 July 30, 2020

Type of Award Request:	CONTRACT INCREASE/AMENDMENT
Request #:	5140
Requestor Name:	Meyer, Tim
Requestor Phone:	(904) 665-4871
Project Title:	Major Maintenance of Steam Turbines, Boiler Feed Pump Turbines, Generators, Turbine Valves & Ad Hoc T&M Services
Project Number:	060-202, 8006287, PWO 30531702
Project Location:	NGS
Funds:	CAPITAL
Budget Estimate:	$510,000.00
Scope of Work:	

This contract provides major maintenance support services for steam turbines, boiler feed pump turbines, generators and turbine valves. This contract is comprised of fixed prices for major turbine inspection services and T&M rates for ad hoc services.

The request is to:

1.) Reinstate the contract effective January 1, 2020 and exercise the third renewal under the contract for a new term from January 1, 2020 through December 31, 2020.
2.) Ratify a Purchase Order $19,500.00, PO – 190509, which was processed, during the expired period.
3.) Add additional funds to get the business needs met through December 31, 2020 to support Northside Generating Station's Unit 2 Valve overhaul.

The third renewal was not executed under the contract causing the contract to expire December 31, 2019.

The additional funds request is for the Northside Unit 2 is a 310MW steam turbine powered by a Foster Wheeler CFB boiler scheduled for the fall turbine outage. There are ten turbine valve actuators on the unit; two main stop valve actuators, four control valve actuators, two reheat stop valve actuators, and two intercept valve actuators. MD&A overhauled all of the valves in 2018, but the actuators were last overhauled in the fall of 2014. There was an actuator failure on the reheat stop valve that caused a unit trip. The root cause was a failed disk spring in the actuator.

JEA is requesting to have the valve actuators on Unit 2, a GE D6 Steam Turbine, at Northside Generating Station overhauled. There are a total of ten (10) steam valve actuators on this unit which require an overhaul. JEA will be responsible for disconnecting the wiring, limit switches, and LVDTs prior to disassembly; then the reconnecting of the wiring, limit switches, and LVDTs as well as the testing and stroking of the valves once they are installed.

Contractor shall provide JEA a written report within 24 hours of NDE for each component to include overhaul recommendations, schedule and pricing for overhauls.

Any shop work performed offsite shall include transportation times in the expected schedule.

The written overhaul reports shall include all clearances, dimensions, overhaul sheets, etc. as outlined within the OEM criteria and by the contractors best practices.

The contractor shall provide disassembly, overhaul, testing, reporting and reassembly for all hydraulic or steam actuators.

This shall include but is not limited to removal of actuators, disassembly, overhaul and testing of all hydraulic components (servos, dumps, etc.), cataloging and replacement of any o-rings and seals, overhaul of cylinder bores and pistons, reassembly of actuators, bench testing as applicable, and final setting of actuators after valves are reinstalled.

The contractor will need to inspect all hoses, and plan to drain and flush the hydraulic system.

A final report pictures, parts ordered, and recorded clearances shall be submitted to JEA at the conclusion of the actuator overhaul.

The final report will contain all as found and as left data, pictures, NDE reports, recommendations for future repairs, parts lists, and any other relevant information.

Purchasing Agent: Lovgren, Rodney

Is this a ratification?: YES, A Purchase Order was issued against the contract for $19,500.00 purchase order for hydraulic work in June of 2020.

RECOMMENDED AWARDEE(S):

Name	Contact Name	Address	Phone	Amount
MECHANICAL DYNAMICS & ANALYSIS INC.	Tim Allison tallison@mdaturbines.com	29 British American Boulevard, Latham, NY 12110	(518) 764-3030	$510,000.00

Amount of Original Award: $17,600,000.00

Date of Original Award: 06/07/2012

Change Order Amount: $510,000.00

List of Previous Change Order/Amendments:

CPA #	Amount	Date
121711	$11,000,000.00	04/02/2015
121711	$525,000.00	10/31/2017
121711	$474,999.00	02/15/2019

New Not-To-Exceed Amount: $30,109,999.00

Length of Contract/PO Term: Five (5) Years with Five (5) – 1 Yr. Renewals

Begin Date (mm/dd/yyyy): 06/21/2012

End Date (mm/dd/yyyy): 12/31/2020

JSEB Requirement: N/A (Optional)

Background/Recommendations:

Colectric Partners (CPI) Performed an Evaluated Bid with seven (7) Bidders on behalf of (GRU, JEA, OUC, NPPD & SC). After several rounds of negotiations, MD&A was evaluated the lowest Bidder (5% less than the next highest Bidder TurboCare) and was awarded an initial contract with a term from 06/21/2012 – 12/31/2017. CPI estimated an overall cost savings of ~20% vs. our previous purchases of

turbine repair services. The original award amount was $17,600,000 and included funding for only NGS and SJRPP.

A change order was processed for $11,000,000.00 in April of 2015 to add additional funding for service work at SJRPP, NGS and include additional turbine inspection services at Brandy Branch Generating Station. Two increases (less than 10% & less than $1.0M) were processed in previous calendar years to support continued use of the contract.

The paperwork to process the 3rd renewal was not executed in 2019. This execution of the third renewal will allow the contract to be utilized through December 31, 2020. After the Fall outages, JEA will rebidding the services in this agreement.

The CPA was active in Oracle allowing the buyer to process the Purchase Order, which is the subject ratification.

The contract has a fixed 2% annual price adjustment. The current contract rates will apply to the contract increase. Bidding this limited scope vs. the deep discounts JEA received aggregating a long term service agreement would likely lead to an increased price and new supplier risks, as such there is a benefit to keeping the proven service provider for this type of revenue impacting critical outage. Any outage delays due to performance could lead to revenue leakage.

Request approval to approve the ratification of PO 190509 in the amount of $19,500.00, execute amendment 5 for the third renewal from 1/1/2020 through 12/30/2020 and award a contract increase to Mechanical Dynamics & Analysis Inc. for major maintenance of steam turbines, boiler feed pump turbines, generators and turbine valves in the amount of $510,000.00, for a new not-to-exceed amount of $30,109,999.00, subject to the availability of lawfully appropriated funds.

Manager:	Akrayi, Jamila R. - Mgr Project Management
Director:	Limbaugh, Margaret Z. - Dir Energy Project Management
Sr. Director:	Acs, Gabor – Sr. Dir Engineering & Projects
Chief:	Erixton, Ricky – Interim GM Electric Systems

APPROVALS:

_____

Chairman, Awards Committee **Date**

_____

Manager, Operating Budgets **Date**

Approved by the JEA Awards Committee
Date 6-7-12 Item # 2.

JEA

Formal Bid and Award System

Award #2 6/7/2012

Type of Award Request:	COLECTRIC
Requestor Name:	Saad, Bradley R
Requestor Phone:	904-665-6757
Request #:	2040
Project Title:	Major Maintenance of Steam Turbines, Boiler Feed Pump Turbines, Generators and Turbine Valves
Project Number	Various
Award Estimate:	N/A
Funds:	O&M

Description of Request/Product Description:

JEA Northside Generating Station (NGS) and Saint Johns River Power Park (SJRPP) parts and Major Maintenance of steam turbines, boiler feed pump turbines (BFPT), generators and turbine valves utilizing Colectric Partners, Inc. (CPI), Master Purchase Agreement (MPA) 0088 with Mechanical Dynamics & Analysis (MD&A).

Requisition Number:	TBD
JEA IFB/RFP/State/City/GSA #:	Colectric MPA 0088
Purchasing Agent:	Rodney Lovgren
Is this a Ratification?	NO
If yes, explain:	

Recommended Awardee(s)

Name	Address	Phone	Fax	Amount
Mechanical Dynamics & Analysis, Ltd.	19 British American Blvd., Latham, NY 12110	(518) 399-3616	(518) 399-3929	$17,600,000.00

121711

Recommended Award Information

Amount for entire term of Contract/PO:	$17,600,000.00
Award Amount for initial year:	$400,000.00 (FY '12)
Length of Contract/PO Term:	5 ½ years (to coincide with Fall 2017 outage)
Beginning Date:	6/21/2012
Ending Date:	12/31/2017
Renewal Options:	YES

If Yes, please explain: Five (5), one-year renewals

JSEB Requirement: N/A, no JSEB available

Comments on JSEB Requirements: Specialty services

All Bidders

Name	Rank	Disqualified	Reason
Mechanical Dynamics & Analysis, Ltd.	1	☐	
TurboCare	2	☐	
GE	3	☐	

Background/Recommendation

Northside Unit's 1 & 2, High Pressure and Intermediate Pressure (HP/IP) turbines are due for an inspection and a steam path audit of the mechanical components, along with both unit generators. This work is typically done during a planned major maintenance outage on a predetermined interval. This work is done by specialized Turbine/Generator mechanical contractors and is bid out for competitive pricing.

Instead of going through the JEA Procurement-bid process, the Northside Outage Management Team requested from the JEA Procurement department-approval to join the Colectric Partners Inc. (CPI) RFP-0088 being sourced for all other CPI Members. CPI was bidding for Steam Turbine/Generator/Valves and Auxiliaries services to establish a long-term Master Purchase Agreement for Member Participants to use in order to negotiate volume discounts for these known services.

CPI invited seven (7) vendors to bid; (Mechanical Dynamics & Analysis, LTD. (MD&A), TurboCare, Dresser-Rand, Alstom, General Electric, ProEnergy Services and Universal Plant Services). Three (3) vendors submitted bids—MD&A, TurboCare and GE. Alstom, ProEnergy, Dresser-Rand and Universal Plant Services chose not to submit bids because of their current work-load commitments, labor constraints or the inability to meet all the workscope requirements.

Of the three bids received, MD&A had the best evaluated offering and agreed to accept the same terms and conditions that were previously negotiated and accepted in an identical master agreement with CPI members for Gas Combustion Turbines. TurboCare had the next best evaluated offering but took numerous exceptions to the CPI terms and conditions that CPI could not agree to. GE had offered the highest evaluated bid pricing and chose not to bid all the work CPI requested in the members original RFP work scope.

CPI has completed negotiations and has finalized Terms & Conditions and Pricing for the Master Purchase Agreement (MPA-0088). The savings to JEA for using the CPI agreement with MD&A agreement over other pricing obtained in bid is ~21% on the evaluation by CPI. Additional rebates, discounts and other options are also included in the CPI Master Purchase Agreement with MD&A and will likely increase the overall potential savings accordingly over the term of the contract. Colectric documentation is attached, as well as a JEA budgeting spreadsheet.

Colectric MPA 0088 - Request approval to award a 5 ½ year contract to Mechanical Dynamics & Analysis, LTD., and for Major Maintenance of Steam Turbines, Boiler Feed Pump Turbines, Generators and Turbine Valves in the amount of $17,600,000.00, subject to the availability of lawfully appropriated funds.

	Approver
Manager:	Saad, Bradley R
Director:	Stroupe, Randolph P
VP:	Brost, Michael J (Mike)

APPROVALS:

6-7-12

Chairman, Awards Committee **Date**

6-7-12

(VP's signature certifies that sufficient funding is or will be available in the appropriate Departmental Budget for these expenses.) **Date**

Sr Mgr, Business Services for SJRPP **Date**

Colectric MPA 0088 - Request approval to award a 5 ½ year contract to Mechanical Dynamics & Analysis, LTD., and for Major Maintenance of Steam Turbines, Boiler Feed Pump Turbines, Generators and Turbine Valves in the amount of $17,600,000.00, subject to the availability of lawfully appropriated funds.

	Approver
Manager:	Saad, Bradley R
Director:	Stroupe, Randolph P
VP:	Brost, Michael J (Mike)

APPROVALS:

Chairman, Awards Committee **Date**

Director, Financial Planning, Budgets and Rates **Date**

6/6/12

Sr Mgr, Business Services for SJRPP

Approved by the JEA Awards Committee
Date 4-2-2015 Item # 2

Formal Bid and Award System

Award #2 April 2, 2015

Award #:	**Award Date:**
Type of Award Request:	CHANGE ORDER
Request #:	256
Requestor Name:	Hart, Calvin J.
Requestor Phone:	(904) 665-6043
Project Title:	Major maintenance of steam turbines, boiler feed pump turbines, generators and turbine valves.
Project Number:	Varies - Includes SJRPP, NGS and BB
Project Location:	JEA
Funds:	Capital and O&M
Award Estimate:	$11,000,000.00

Description of Request:

The request is to add additional funds to complete the contract period on the existing MD&A Contract that supports major maintenance of steam turbines, boiler feed pump turbines, generators and turbine valves through contract expiration in 2017.

Requisition Number:	
JEA IFB/RFP/State/City/GSA#:	COLECTRIC MPA 0088
Purchasing Agent:	Lovgren, Rodney Dennis
Is this a Ratification?:	NO
If yes, explain:	

RECOMMENDED AWARDEE(S):

C/O 121711

Name	Address	Phone	Fax	Amount
MECHANICAL DYNAMICS & ANALYSIS	19 British American Blvd. Latham, NY 12110	(513) 399-3616	(518) 399-3929	$11,000,000.00

Amount of Original Award:	$17,600,000.00
Date of Original Award:	06/7/2012
Change Order Amount:	$11,000,000.00
List of Previous Change Order/Amendments:	
New Not-To-Exceed Amount:	$28,600,000.00
Contract Type:	Term Contract
Length of Contract/PO Term:	5.5 years
Begin Date (mm/dd/yyyy):	06/7/2012
End Date (mm/dd/yyyy):	12/31/2017
Contract/PO Detail:	
Renewal Options:	YES
If yes, please explain:	

Original award contained five one year renewal options.

JSEB Requirement: N/A

Comments on JSEB Requirements: N/A – Specialty Services

Background/Recommendations:

Colectric Partners (CPI) Performed an Evaluated Bid with seven (7) Bidders on behalf of (GRU, JEA, OUC, NPPD & SC). After several rounds of negotiations, MD&A was evaluated the lowest Bidder (5% less than the next highest Bidder (TurboCare) and was awarded an initial contract with a term from 6/21/12 – 12/31/17. CPI estimated an overall cost savings of ~20% vs. our previous purchases of turbine repair services. The original award amount was $17,600,000 and included funding for only NGS and SJRPP. The estimate was broken down as follows:

SJRPP – $8,900,000.00
NGS – $8,700,000.00

SJRPP's spending to date is approximately $8,600,000.00. This spending contains almost $2,000,000.00 in major discoverable items including a U1 Generator Rotor Rewind, U1 Partial Generator Stator Re-wedge and U2 9th Stage Bucket Replacement. NGS spending to date is also approximately $8,600,000.00, including an unanticipated $1,100,000.00 U2 Generator Rotor Rewind. Below are the site specific projections of maintenance spending through the remainder of the contract term:

SJRPP - $2,200,000.00
NGS - $5,600,000.00
BB - $3,200,000.00

Maintenance expenses at Brandy Branch were not included in the initial estimate. In FY16, a major inspection on the Turbine/Generator will be due and that is considered extra work under the GE long term service agreement. Additionally, $2,500,000.00 of the NGS anticipated spend is for NS3 life extension.

Request approval to award a change order to Mechanical Dynamics & Analysis for major maintenance of steam turbines, boiler feed pump turbines, generators and turbine valves in the amount of $11,000,000.00, subject to the availability of lawfully appropriated funds.

Manager: Barry, Jay M. - Manager Mechanical Maintenance

Director: Pinkstaff, Larry G. - Director, Joint Owned Electric Assets

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

APPROVALS:

Chairman, Awards Committee **Date**

Jordan Pope 4/2/15

Manager, Capital Budget Planning **Date**

Background/Recommendations:

Colectric Partners (CPI) Performed an Evaluated Bid with seven (7) Bidders on behalf of (GRU, JEA, OUC, NPPD & SC). After several rounds of negotiations, MD&A was evaluated the lowest Bidder (5% less than the next highest Bidder (TurboCare) and was awarded an initial contract with a term from 6/21/12 – 12/31/17. CPI estimated an overall cost savings of ~20% vs. our previous purchases of turbine repair services. The original award amount was $17,600,000 and included funding for only NGS and SJRPP. The estimate was broken down as follows:

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Request approval to award a change order to Mechanical Dynamics & Analysis for major maintenance of steam turbines, boiler feed pump turbines, generators and turbine valves in the amount of $11,000,000.00, subject to the availability of lawfully appropriated funds.

Manager:	Barry, Jay M. - Manager Mechanical Maintenance
Director:	Pinkstaff, Larry G. - Director, Joint Owned Electric Assets
VP:	Brost, Mike J. - VP/GM Electric Systems

APPROVALS:

Chairman, Awards Committee **Date**

4/15

Sr Mgr, Business Services for SJRPP **Date**

Manager, Capital Budget Planning **Date**

MECHANICAL DYNAMICS & ANALYSIS LLC
19 BRITISH AMERICAN BLVD., LATHAM, NEW YORK 12110
PHONE: (518) 399-3616 FAX: (518) 399-3929

www.MDAturbines.com

February 25, 2020

PROPOSAL 190495R1

Tim Meyers, Project Manager
JEA Northside Generating Station
21 West Church Street
Jacksonville, FL 32202

E-mail: meyet@jea.com

Tel: 904-665-4871

Re: **JEA Northside Generating Station**
Support Services – Unit 2 Valve Actuator 2020 Outage

Dear Mr. Meyers:

Mechanical Dynamics & Analysis LLC is pleased to offer the attached revised Budgetary Estimate for performing the above referenced work. We understand this work is scheduled to start in October 2020.

MD&A's Budgetary Estimate for this work is **$246,899.00** for the on-site scope and **$170,507.00** for the in-shop actuator inspection for a total of **$417,406.00**. For full details of what is included in this estimate, please see the attached Scope of Work document in our Proposal.

MD&A's proposal is organized as follows:

Section 1 – **Commercial**
- MD&A BSH Quote # 316671
- Supplemental Terms and Conditions
- Colectric Rates

Section 2 – **Technical**
- Scope of Work
- Technical Clarifications
- Division of Responsibilities

Section 3 – **Attachments**
- NDE Specification

MD&A appreciates having this potential opportunity to serve JEA at its Northside Generating Station. Please review the attached Budgetary Estimate and we look forward to further planning with JEA to define a precise workscope.

Sincerely,

Michael Quill
Operations Manager Outage Services

MQ190495R1/mw
Enclosures
c: T. Allison, MD&A Manager Contracts and Proposals
J. Durkee, MD&A Senior V.P. Outage Services
C. Elmore, MD&A Regional Sales Manager

Section 1 - Commercial

MD&A BSH Quote # 315376
Supplemental Terms and Conditions
Colectric Rates

BSH QUOTE

MD&A Bearings, Seals & Hydraulics Division

Item	Qty	Description	Scope	Price
1	1	Main Stop Valve 1 Actuator L/S	Disassemble, inspect, clean, provide/install new soft seals, reassemble, test, report; Includes inspect/report condition of fast acting solenoid, shut off valve, servo valve & test solenoid	$ 12,962.00
2	1	Main Stop Valve 2 Actuator R/S	Disassemble, inspect, clean, provide/install new soft seals, reassemble, test, report; Includes inspect/report condition of fast acting solenoid, shut off valve, servo valve & test solenoid	$ 12,962.00
3	1	Control Valve 1 Upper Actuator L/S	Disassemble, inspect, clean, provide/install new soft seals, reassemble, test, report; Includes inspect/report condition of fast acting solenoid, shut off valve, servo valve & test solenoid	$ 12,962.00
4	1	Control Valve 2 Upper Actuator L/S	Disassemble, inspect, clean, provide/install new soft seals, reassemble, test, report; Includes inspect/report condition of fast acting solenoid, shut off valve, servo valve & test solenoid	$ 12,962.00
5	1	Control Valve 3 Lower Actuator R/S	Disassemble, inspect, clean, provide/install new soft seals, reassemble, test, report; Includes inspect/report condition of fast acting solenoid, shut off valve, servo valve & test solenoid	$ 12,962.00
6	1	Control Valve 4 Lower Actuator R/S	Disassemble, inspect, clean, provide/install new soft seals, reassemble, test, report; Includes inspect/report condition of fast acting solenoid, shut off valve, servo valve & test solenoid	$ 12,962.00
7	1	RSV1 Actuator Rexroth	Disassemble, clean, inspect, NDE springs, reassemble with new soft seals/gaskets & test	$ 10,792.00
		emergent repairs	Upgraded set of coated disc springs and wires	$ 16,289.00
8	1	RSV2 Actuator Rexroth	Disassemble, clean, inspect, NDE springs, reassemble with new soft seals/gaskets & test	$ 10,792.00
		emergent repairs	Upgraded set of coated disc springs and wires	$ 16,289.00
9	1	IV1 Actuator Rexroth	Disassemble, clean, inspect, NDE springs, reassemble with new soft seals/gaskets & test	$ 10,792.00
				$ 16,989.00
10	1	IV2 Actuator Rexroth	Disassemble, clean, inspect, NDE springs, reassemble with new soft seals/gaskets & test	$ 10,792.00
		emergent repairs	Upgraded set of coated disc springs and wires	$ 16,989.00
			Total base scope as outlined	**$ 170,507.00**
		Expedited turnaround		
		Emergent repairs or replacement components required quoted firm on inspection for approval as required		
		Estimated transportation, one trip inbound and one trip outbound		$ 6,000.00

SUPPLEMENTAL TERMS AND CONDITIONS

1. MD&A proposes utilizing the Terms and Conditions per the CPA 121711 between JEA and Mechanical Dynamics & Analysis effective June 29, 2015.

2. **Price/Payment**
   a. We propose a Payment Schedule of weekly invoices on a Time and Material basis.
   a. Work permits, customs and duties, if any, are an extra.
   b. If bonding is required, the bond cost allowance is based on known workscope. If contract extras are awarded, all invoices for such extra work will be surcharged to cover additional bond costs.
   c. All of the scope items quoted individually contain a proportionate amount of project management and fixed site overheads. Therefore, the individual scope item pricing cannot be used for work scope deletions.

3. **Safety -** MD&A employees are capable of performing safe work in power plants. They are trained and are in compliance with the most current OSHA safety standards. Additional JEA required safety training that has not been specified can be performed on a T&M basis.

4. **Liquidated damages -** Liquidated damages are not a part of this offer.

5. **Validity -** Proposal is valid for ninety (90) days. Extensions may be requested by the JEA.

TIME AND MATERIAL RATES										
						Discounted Rates - (5% off)				
Labor Category	**Travel Time Charges for Each Labor Category**	**Straight Time**	**Over-time**	**Double-time**	**Per Diem Per Day**	**Discounts Off (5%)**	**Straight Time**	**Over-Time**	**Double-Time**	**Per Diem Per Day**
Superintendent	8 ST hrs mob & demob	$ 175.75	$ 263.63	$ 263.63	$ 293.00	5.0%	$166.96	$250.45	$250.45	$278.35
Foreman	8 ST hrs mob & demob	$ 56.24	$ 84.36	$ 84.36	$ 205.00	5.0%	$53.43	$80.14	$80.14	$194.75
Field Engineer	8 ST hrs mob & demob	$ 234.33	$ 351.50	$ 351.50	$ 293.00	5.0%	$222.61	$333.93	$333.93	$278.35
Technical Field Advisor	8 ST hrs mob & demob	$ 210.90	$ 316.35	$ 316.35	$ 293.00	5.0%	$200.36	$300.53	$300.53	$278.35
Generator Specialist	8 ST hrs mob & demob	$ 234.33	$ 351.50	$ 351.50	$ 293.00	5.0%	$222.61	$333.93	$333.93	$278.35
Project Manager	8 ST hrs mob & demob	$ 255.42	$ 383.13	$ 383.13	$ 293.00	5.0%	$242.65	$363.97	$363.97	$278.35
Steam Path Engineering	8 ST hrs mob & demob	$ 255.42	$ 383.13	$ 383.13	$ 293.00	5.0%	$242.65	$363.97	$363.97	$278.35
Controls Engineer	8 ST hrs mob & demob	$ 318.69	$ 478.04	$ 478.04	$ 293.00	5.0%	$302.76	$454.14	$454.14	$278.35
Controls Specialist	8 ST hrs mob & demob	$ 187.47	$ 281.21	$ 281.21	$ 293.00	5.0%	$178.10	$267.15	$267.15	$278.35
Blader	8 ST hrs mob & demob	$ 128.88	$ 193.32	$ 193.32	$ 293.00	5.0%	$122.44	$183.65	$183.65	$278.35
Machinist	8 ST hrs mob & demob	$ 128.88	$ 193.32	$ 193.32	$ 293.00	5.0%	$122.44	$183.65	$183.65	$278.35
Welder	8 ST hrs mob & demob	$ 128.88	$ 193.32	$ 193.32	$ 293.00	5.0%	$122.44	$183.65	$183.65	$278.35
Mechanic	8 ST hrs mob & demob	$ 51.55	$ 77.33	$ 77.33	$ 170.00	5.0%	$48.97	$73.46	$73.46	$161.50
Generator Technician	8 ST hrs mob & demob	$ 181.61	$ 272.42	$ 272.42	$ 293.00	5.0%	$172.53	$258.80	$258.80	$278.35
Winder	8 ST hrs mob & demob	$ 181.61	$ 272.42	$ 272.42	$ 293.00	5.0%	$172.53	$258.80	$258.80	$278.35
Balancing Engineer	8 ST hrs mob & demob	$ 318.69	$ 478.04	$ 478.04	$ 293.00	5.0%	$302.76	$454.14	$454.14	$278.35
Equipment & Tool Category	**Description of Equipment or Tools**	**Daily / Weekly Rental Cost**	**Daily Rental Cost**	**Weekly Rental Cost**	**Special Project Rental Cost**	**Discounts Off**	**Daily / Weekly Rental Cost**	**Daily Rental Cost**	**Weekly Rental Cost**	**Special Project Rental Cost**
Turbine Tool Container	Outage Tools	$1,172/ $7,030	$ 1,172	$ 7,030	$ -	5.0%	$1,193/ $6,679	$ 1,113	$ 6,679	$ -

55.3 Additional Pricing

Contractor has provided additonal pricing for Boiler Feedpump Steam Turbines and Optional Pricing for Steam Path Audits

Boiler Feedpump Steam Turbine (ea)	
Item Description	**Price**
Mobilize/Demobilize	$ 14,044.60
Disassembly	$ 98,312.23
Clean/Inspect	$ 56,178.42
Reassembly	$ 112,356.83
Tooling	$ 28,894.53

Optional Pricing for Steam Path Audit		
Turbine Type	**Structural Audit**	**Thermal Audit**
40MW-100MW Turbine Audit	$31,049	$11,717
101MW-250MW Turbine Audit	$31,049	$11,717
251MW-450MW Turbine Audit	$32,361	$12,133
451MW-700MW Turbine Audit	$43,879	$16,462
451MW-700MW Turbine Audit GE G2	$36,204	$13,591

Section 2 - Technical

Scope of Work
Technical Clarifications
Division of Responsibilities

SCOPE OF WORK

DETAILED WORKSCOPE

JEA request the following work to be performed during the inspection:

Valve Actuators

The contractor will be responsible for the disassembly, inspection, repairs, and reassembly of ten actuators. The four control valve actuators are included in the ten that will need to be inspected. The actuators shall be tested with the old servo's, if there is an issue JEA is to be notified prior to any repairs being made.

This inspection shall include but is not limited to:

- Removal, disassembly, inspection, and testing and reassembly of all actuators
- Testing of all hydraulic components (servos, dumps,etc.)
- Cataloging and replacement of any o-rings and seals
- Inspection of cylinder bores and pistons
- Bench testing as applicable
- Final settings of actuators after valves are reinstalled
- Inspection of all hoses

TECHNICAL CLARIFICATIONS

GENERAL

1. In case of a work stoppage of any nature beyond MD&A's control, we will give the Customer the option of keeping our crew standing by locally or returning our crew to their home base. In the event that crew members are required to return to their respective home base location and to return to the Customer's plant at a later date to finish the work, MD&A will submit a quotation for appropriate "in and out" expenses due to the work stoppage.

2. MD&A assumes no liability for the crane inspection or its operational reliability. It will be the Customer's responsibility to determine that the crane meets all operational and safety standards. The proper operation of the overhead crane is critical to the success of this outage. It is therefore imperative that Customer makes every effort to have a complete preventive maintenance check performed prior to the outage. MD&A does not include a crane inspection. Critical spare parts should also be inventoried and parts' lead times checked with suppliers. We understand that it may be necessary to share the use of the crane with another vendor. Minor delays in crane availability can be accommodated, however extended periods of time during which the crane is not available will be considered delay time. Additional overtime required to regain the schedule will be billed per the Rate Schedules.

3. The conditions of any tests related to work performed by MD&A, shall be mutually agreed upon and MD&A shall be notified of, and may be represented at, all tests that may be made.

4. Customer is responsible for treatment and removal of hazardous substances and related contamination of any nature.

5. Straight time is defined as work up to eight (8) hours on weekdays. Overtime is defined as work after eight (8) hours on weekdays and all-day Saturday. Double time (if applicable) is defined as work performed on Sundays and holidays.

6. Work is planned for a date in 2020 to be determined with JEA. We estimate five (5) shifts for disassembly and eight (8) shifts for reassembly of actuators on site.

7. Extra work scope includes:
    a. All non-specified repairs.
    b. Valve lapping in excess of four (4) man-hours per valve. Removal of bolts, nuts, threaded fasteners or components other than by normal means.
    c. All machining. (except for bore plug removal, which is included in base scope)
    d. Estimated staff and labor is based on the planned work dates stated above. If conditions not within MD&A's ability to control, such as the extension of time for repair activities, cause the schedule to be extended, all staff time and expenses, and any added labor costs beyond the end date, would be considered extra.
    e. If standby time is encountered, waiting for work to be completed by others, it will be considered an extra (limited to 10-hours straight time, per person per day).
    f. Labor support such as scaffolding, electrical hookups, moving of equipment, and positioning of components for emergent repair work or for changes in defined repair work will be provided on a T&M basis regardless of whether the repairs are performed by MD&A or another contractor.

OUTAGE SERVICES

8. Craft labor work schedule will be 10-hours per day, one (1) shift, six (6) days per week. We plan to mobilize the site crew once for disassembly, demobilize and re-mobilize again for reassembly after the actuators return to site.

TECHNICAL CLARIFICATIONS

9. Labor will be provided from MD&A's cadre of non-union turbine mechanics.

10. MD&A's Project Staff will include a day shift Technical Director, day shift labor Supervisor, one (1) day shift Labor Foreman and four (4) millwrights.

11. Temporary facilities to be brought on site:
    a. Tool Container (8' x 8' x 20').
    b. One (1) Office and one (1) Craft Trailers.
    c. Portable toilets.

ACTUATOR SHOP SCOPE

12. Ten (10) identified actuators with approximately three (3) week duration in-shop.

13. Our proposal does not include shipment of the actuators to / from the BSH Repairs Division. We estimate $6,000.00 for 2 trips. Transportation to be billed as extra.

14. Our proposal does not include the manufacture / supply of any replacement parts – MD&A Parts Division should be able to provide price & delivery for any emerging needed / required parts.

15. The above does not include the performance of any replacements or repairs (these would be identified in the IIR along with pricing & duration – approval by JEA Northside would need to be obtained before their performance).

DIVISION OF RESPONSIBILITIES

MD&A offers the items below for clarification:

A. Consumables / Materials		Customer	MD&A
1	All parts, including gaskets, material, nuts, keys, washer, bolts and fittings, in a timely manner.	X	
2	Lubricating oils and greases which will be a part of the operating unit.	X	
3	Cribbing and barrier materials.		X
4	Consumable materials including rags, cleaning fluids, emery cloth, etc.		X
5	Welding/Cutting gasses (as required).		X
6	Joint and thread lubricants.		X

B. Site Services		Customer	MD&A
1	Scaffolding services (as required).		X
2	Blast cleaning tent (as required).		X
3	Insulation services (as required).		X
4	Compressed air for tools.	X	
5	Night shift lighting (as required).	X	
6	Service water.	X	
7	Drinking (potable) water & coolers		X
8	Electrical services (minimum requirements: 110V 20 amps).	X	
9	Isolation of all electrical services (including disconnect, at Isophase termination enclosures, both generator line side and neutral links, and neutral grounding transformer connections; disconnect all RTD's as required).	X	
10	Drain and refill of main lube oil tank and seal oil system (as required).	X	
11	Blinding of pressurized piping. (If required by LOTO.)	X	
12	Temporary office.		X
13	Temporary sanitary facilities.		X
14	Phone, fax and internet connections.		X
15	Provide a secure area and lay down space for MD&A equipment adjacent to the repair area.	X	

C. Tools & Equipment		Customer	MD&A
1	Rotor stands, special tools, jigs, non-standard wrenches and alignment fixtures provided by the OEM or fabricated by the Customer to facilitate maintenance.	X	
2	Overhead crane (as required).	X	
3	Flatbed trucks and mobile crane, including outside equipment handling (as required).	X	
4	Forklift for turbine deck (as required).		X
5	Lapping blocks (as required).	X	

DIVISION OF RESPONSIBILITIES

C. Tools & Equipment		Customer	MD&A
6	Try bar (as required).	X	
7	All hand tools.		X
8	Non-OEM supplied rigging.		X
9	Taps and dies up to 1 1/2 inches.		X
10	Tool container.		X
11	Turbine deck protection, plywood and cribbing.		X

D. EHS		Customer	MD&A
1	Safety tagging.	X	
2	Safe access to and from work area.	X	
3	Secure parking area & transportation.	X	
4	Security for parts and tool storage.	X	
5	Hazardous material removal (as required).	X	
6	Written plant safety regulations and procedures.	X	
7	Waste containers for disposal of trash.	X	
8	First aid facilities (emergency use only).	X	
9	All required permits.	X	
10	Fire protection equipment other than local fire fighters.	X	

E. Personnel / Documents		Customer	MD&A
1	Representative for coordination of parts and repair decisions and to authorize Extra Work to avoid delays.	X	
2	Start-up and Operation personnel.	X	
3	Free access to all available drawings, operating procedures, information, historical data and O&M manuals on the equipment covered under this proposal.	X	
4	Electricians and Instrument Technicians.	X	
5	Crane Operator (as required).		X
6	Technical Direction.		X
7	Final report.		X

Section 3 - Attachments

NDE Specification

NDE SPECIFICATION

Purpose:
The purpose of this specification is to outline the acceptable methods of Non-Destructive Evaluations (NDE) required by Mechanical Dynamics & Analysis, Ltd (MD&A) for turbine generator components. This specification does not take the place of the NDE Vendor's detailed procedures or instructions for performing each test/evaluation. Deviation from the requirements of this specification is only permitted if different methods are specified or required by the customer as indicated by the MD&A sub-contract; or if the Project Manager/Lead responsible for the evaluation & subsequent repairs determines the need to deviate from the original methods specified and reviews this change with the customer. Changes that deviate from the minimum NDE requirements of this specification should be documented and agreed to by the customer.

General Requirements:
The vendor performing the blasting/surface preparation for MD&A must comply with all applicable Federal, State, and Local Regulations and also any customer or site-specific requirements. The vendor(s) will also comply with the following general requirements:

- **Blasting/Surface Preparation (when specified):**
  To facilitate good NDE testing, all surfaces to be examined (including exposed dovetails) must be cleaned & have all oxide & deposits removed. The following are acceptable methods of surface preparation for turbine generator components when specified:
  - **Steam Turbine Outer Shells/Cylinders (inside) & Inner Shells/Cylinders (outside & inside)**
    - 220 grit aluminum oxide
  - **Steam Turbine Rotor, Steampath Components, & Valves:**
    - 220 grit aluminum oxide
    - Hand cleaning of critical areas (i.e. oil deflector fits, journals, couplings, etc.) & stellite valve surfaces (where applicable)

Steam Turbine Components:
The following testing/evaluation methods are to be used for the listed steam turbine components:

- **Dovetail-Sonic Test** –L-1,2,3 stages in the LP section will be evaluated using an automated ultrasonic rotating phased array scan.
- **Rotor Periphery, Wheel/Dovetail, & Blades:**
  Where NDE testing of the rotor periphery is specified, all peripheral rotor surfaces (including those not blast cleaned) will be evaluated, including, but not limited to:
  - Blades, buckets, & covers
  - Wheel faces
  - Packing fits
  - Fillets (heat grooves)
  - Journals
  - Oil deflector fits
  - Couplings
  - Bolt holes

  NDE to be performed on the rotor periphery will consist of the following:
  - **Visual Inspection** – using ample light and mirrors (where needed) to thoroughly inspect all peripheral surfaces to check for indications/irregularities, including but not limited to the following:
    - Covers – all areas including underside
    - Wheels – all accessible areas
    - Wheel dovetails – all exposed areas (particularly the fillet radii adjacent to the hook bearing surfaces)
    - Tie wires & tie wire holes
    - Vane edges & erosion shields
    - Rotor diameter transitions – all radii

  All indications/irregularities should be photographed with a scale/size reference and location.

NDE SPECIFICATION

- **Magnetic Particle Test (MT)** – perform a magnetic particle test in a dark environment using the continuous wet fluorescent particle method. All surfaces will be tested in two directions, 90 to each other (i.e. Head Shot & Coil Wrap methods). Visually inspect, record, and photograph the results including the location (axial & angular), size & shape of any relevant indications. The following are the acceptable methods for this evaluation:
  - Blades/Coil Wrap – wrapping the coil around blades for the purpose of detecting transverse relevant indications.
  - oke – a yoke may be used for the purpose of detecting relevant indications in wheels, covers, dovetails, lashing lugs, tie wire holes, tenons, etc., or where applicable – testing all surfaces in two directions, 90 to each other (radial or circumferential and axial). Note: If a water based carrier is used, it must include a rust/corrosion inhibitor.
- **Penetrant Test (PT)** – non-magnetic components (such as: low pressure titanium notch blades & blocks, lashing lug welds, erosion shields, titanium covers, brazed tie-wires, etc.) will be evaluated using visible dye penetrant testing (or fluorescent penetrant testing, if acceptable to the MD&A Project Manager/Lead) in suitable lighting conditions to detect relevant indications. Components/areas are visually inspected; results are recorded and photographed including the location, size & shape of any relevant indications. Note: PT shall be performed prior to oil based MT to ensure the penetrant can flow into, and adhere to, all flaws/indications.
- **Ultrasonic Test** –where specified, ultrasonic testing may be used to examine the following:
  - Dovetail pins

- **Diaphragms & Stationary Components:**
  Where NDE testing of the diaphragms or stationary blade rings are specified, they will be evaluated by the following methods:
  - **Visual Inspection** – using ample light and mirrors (where needed) to thoroughly inspect all surfaces to check for indications/irregularities. All indications/irregularities should be photographed with a scale/size reference and location.
  - **Magnetic Particle Test (MT)** – perform a magnetic particle test in a dark environment using the continuous wet fluorescent particle method – testing all surfaces in two directions, 90 to each other. Visually inspect, record, and photograph the results including the location (axial & angular), size & shape of any relevant indications.
    Note: If a water based carrier is used, it must include a rust/corrosion inhibitor.
  - **Penetrant Test (PT)** – non-magnetic components and welds will be evaluated using visible dye penetrant testing (or fluorescent penetrant testing, if acceptable to the MD&A Project Manager/Lead) in suitable lighting conditions to detect relevant indications. Components/areas are visually inspected; results are recorded and photographed including the location, size & shape of any relevant indications. Note: PT shall be performed prior to oil based MT to ensure the penetrant can flow into, and adhere to, all flaws/indications.

- **Bolts/Studs & Nuts – Pressure Containing & Coupling:**
  Where NDE testing of pressure containing and coupling bolts/studs & nuts are specified, they will be evaluated by the following methods:
  - **Visual Inspection** – using ample light and mirrors (where needed) to thoroughly inspect all surfaces to check for indications/irregularities. All indications/irregularities should be photographed with a scale/size reference and location.
  - **Magnetic Particle Test (MT)** – perform a magnetic particle test on the periphery of the magnetic bolts/studs & nuts in a dark environment using the continuous wet fluorescent particle method – testing all surfaces in two directions, 90 to each other. Visually inspect, record, and photograph the results including the location, size & shape of any relevant indications.
    Note: If a water based carrier is used, it must include a rust/corrosion inhibitor.
  - **Penetrant Testing (PT)** – visible dye penetrant testing or fluorescent penetrant testing, if acceptable to the MD&A Project Manager/Lead) may be used to examine bolts/studs that are non-magnetic (made of an alloy that does not permit accurate magnetic particle testing). It is recommended that when possible, bolt/studs be removed to allow for PT of the entire surfaces in suitable lighting conditions to detect relevant indications. Bolts/studs are visually inspected; results are recorded and photographed including the location, size & shape of any relevant indications.

NDE SPECIFICATION

Note: PT shall be performed prior to oil based MT to ensure the penetrant can flow into, and adhere to, all flaws/indications.

- **Ultrasonic Testing** – perform an ultrasonic scan to evaluate bolts/studs for potential relevant indications.
- **Hammer/Ring Check** – If bolts/studs cannot be effectively ultrasonic tested & cannot be removed for further examination (MT or PT), a hammer/ring check should be performed to detect any inaccessible gross flaws. The method used and results should be documented and reviewed with the MD&A Project Manager/Lead.

- **Valves – Steam Chest & Valve Components:**
  Where NDE testing of steam turbine valves and their components are specified, the valves and components will be evaluated by the following methods:
  - **Visual Inspection** – using ample light and mirrors (where needed) to thoroughly inspect all valve & component surfaces to check for indications/irregularities and record & photograph the results including clearly identifying the location, size & shape.
  - **Magnetic Particle Test (MT)** – perform a magnetic particle test in a dark environment using the continuous wet fluorescent particle method – testing all surfaces in two directions, 90 to each other. Visually inspect, record, and photograph the results including the location, size & shape of any relevant indications. Valve components that are to be magnetic particle tested include, but are not limited to, the following:
    - Valve stand & steam chest where applicable
    - Valve cap where applicable
    - Valve stem
    - Springs
    - Crossheads where applicable
    - Valve bushings
    - Valve discs & seats (excluding stellite inserts which are to be penetrant tested)
    - Strainer where applicable
    - Internal/by-pass valves where applicable
    - Pressure seal head where applicable

    Note: If a water based carrier is used, it must include a rust/corrosion inhibitor.
  - **Ultrasonic Testing** – specified valve bolts/studs & nuts will be evaluated by performing an ultrasonic scan to detect potential relevant indications.
  - **Penetrant Test (PT)** – non-magnetic components will be evaluated using visible dye penetrant testing (or fluorescent penetrant testing, if acceptable to the MD&A Project Manager/Lead) in suitable lighting conditions to detect relevant indications. Components/areas are visually inspected; results are recorded and photographed including the location, size & shape of any relevant indications. Possible non-magnetic valve components, or areas that are to be penetrant tested include, but are not limited to:
    - Stellite seats/seating areas & weld areas where applicable
    - Valve stem threads, disc ends, & pin holes where applicable
    - Strainer weld areas
    - Non-magnetic stems, strainers, welds, etc.

    Note: PT shall be performed prior to oil based MT to ensure the penetrant can flow into, and adhere to, all flaws/indications.

- **Bearings, Hydrogen Seals:**
  - **Visual Inspection** – using ample light and mirrors (where needed) to thoroughly inspect all surfaces to check for indications/irregularities. All indications/irregularities should be photographed with a scale/size reference and location.
  - **Ultrasonic Testing** – an ultrasonic scan is performed of babbitt bearing and seal surfaces to verify the integrity of the bond, where applicable.
  - **Penetrant Testing (PT)** – the integrity of the babbitt area and bond lines of bearings and applicable seals are verified by visible dye penetrant testing. Non-magnetic components (impellors, etc.) will also be evaluated using visible dye penetrant testing in suitable lighting conditions to detect relevant indications. Visually inspect, record, and photograph the results including the location, size & shape of any relevant indications.
    Note: PT shall be performed prior to oil based MT to ensure the penetrant can flow into, and adhere to, all flaws/indications.

NDE SPECIFICATION

Generator Components:
The following testing/evaluation methods are to be used for the listed Generator components:

- **Generator Rotor & Components:**
  - **Rotor Periphery**
    - **Visual Inspection** – using ample light and mirrors (where needed) to thoroughly inspect all surfaces to check for indications/irregularities. All indications/irregularities should be photographed with a scale/size reference and location.
  - **Retaining Rings:**
    - **Visual Inspection** – using ample light and mirrors (where needed) to thoroughly inspect all surfaces to check for indications/irregularities. All indications/irregularities should be photographed with a scale/size reference and location.
    - **Penetrant Testing (PT)** – retaining rings will be evaluated using fluorescent dye penetrant testing in suitable lighting conditions to detect relevant indications. The rings are visually inspected; results are recorded and photographed including the location, size & shape of any relevant indications.
  - **Fan Blades:**
    - **Visual Inspection –** using ample light and mirrors (where needed) to thoroughly inspect all surfaces to check for indications/irregularities. All indications/irregularities should be photographed with a scale/size reference and location.
    - **Penetrant Testing (PT) –** fan blades leads will be evaluated using visible dye penetrant testing (or fluorescent penetrant testing, if acceptable to the MD&A Project Manager/Lead) in suitable lighting conditions to detect relevant indications. The blades are visually inspected; results are recorded and photographed including the location, size & shape of any relevant indications.
      Note: PT shall be performed prior to oil based MT to ensure the penetrant can flow into, and adhere to, all flaws/indications.
    - **Magnetic Particle Test (MT) –** fan blades that are ferro-magnetic may be magnetic particle tested in a dark environment using the continuous wet fluorescent particle method – testing all surfaces in two directions, 90 to each other. Visually inspect, record, and photograph the results including the location, size & shape of any relevant indications.
      Note: If a water based carrier is used, it must include a rust/corrosion inhibitor.

Formal Bid and Award System

Award #4 July 30, 2020

Type of Award Request: CONTRACT EXTENSION/AMENDMENT
Request #: 6717
Requestor Name: Todd, Landon M.
Requestor Phone: (904) 665-7914
Project Title: Cisco Contact Center & Phone System Managed Services
Project Number: HE30904
Project Location: JEA
Funds: O&M
Budget Estimate: 200,000.00 (Line 1773)
Scope of Work:

The managed Services company CTI Path provides comprehensive Cisco contact center & phone system managed services to support JEA's Unified Contact Center Enterprise environment (UCCE) platform(s) and Interactive Voice Response (IVR) applications. CTI Path provides base support including software patches, upgrade services along with real-time Network Monitoring System (NMS) and log monitoring for both the telephony infrastructure and IVR applications. The support provided ensures JEA's system is capable of operating twenty-four (24) hours per day / seven (7) days per week / 365 days per year with a Service Level Agreement component of 99.99%.

JEA IFB/RFP/State/City/GSA#: 101-18
Purchasing Agent: Woyak, Nathan J.
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Amount
CTIPATH LLC.	Alan Knox	AKNOX@CTIPATH.COM	8480 Honeycutt Rd, Suite 200 Raleigh NC 27615	$43,791.00

Amount of Original Award: $314,066.00
Date of Original Award: 08/09/2018
Change Order Amount: $43,791.00
List of Previous Change Orders / Amendments:

CPA #	Amount	Date
176231	$21,000.00	9/26/2019
176231	$87,582.00	11/14/2019
176231	$42,264.80	4/28/2020

New Not-To-Exceed Amount: $508,703.80
Length of Contract One (1) Yr. w/ No Renewals
Begin Date (mm/dd/yyyy): 08/09/2018
End Date (mm/dd/yyyy): 10/31/2020

Renewals: No
JSEB Requirement: N/A

Background/Recommendations:

Competitively bid and approved by the Awards Committee on 08/09/2018 for a one (1) year term ending 08/31/2019. On 08/26/2019 the contract term was administratively extended from 09/01/2019 to 10/31/2019 and $21,000.00 in funds added to allow additional time for JEA to transition to an internal solution however JEA later determined to no longer be in position to fully transition the scope of this contract to an internal solution due to limited internal resources. It was then determined a rebid would instead be required. On 11/14/2019 awards committee approved a six (6) month contract extension from 11/01/2019 to 04/30/2020 and $87,582.00 in additional funds to support revising technical requirements for a new bid and implementation. On 04/28/2020 the contract was administratively extended again from 04/30/2020 to 07/31/2020 and $42,264.80 added to get JEA through further revisions of technical requirements, bidding, and an anticipated sixty (60) day implementation with a new vendor.

This request is for an additional three (3) month contract extension from 08/01/2019 to 10/31/2020 and to add $43,791.00 ($14,597.00 x 3 months) in additional funds. Additional time is required for bid completion, contracting, and new product sixty (60) day implementation. The original awarded scope included 1) Managed Services Monitoring, 2) Contact Center Backup and Disaster Recovery, 3) Maintenance and Patching, 4) Troubleshooting and Recovery, and 5) Compliance and Capacity Management. The previous extensions and this extension request will continue to be for a reduced scope and only include 1) Managed Services Monitoring and 2) Contact Center Backup and Disaster Recovery for CTI Path to perform and JEA will now self-perform the remaining services. A copy of this contract extension quote is attached as backup. These changes are summarized in the table below:

CTI Path LLC - Three Month Extension Comparison

		Original Contract			Three Month Extension Price			Estimated Savings	
Item	Service Description	JEA	CTI Path LLC	Price Per Month	JEA	CTI Path LLC	Price Per Month	Savings	%
1	Managed Services Monitoring		X	$ 11,836.00		X	$ 11,836.00	$ -	0
2	Contact Center Backup and Disaster Recovery		X	$ 2,761.00		X	$ 2,761.00	$ -	0
3	Maintenance and Patching		X	$ 4,872.00	X		N/A	$ 4,872.00	100%
4	Troubleshooting and Recovery		X	$ 6,253.00	X		N/A	$ 6,253.00	100%
5	Compliance and Capacity Management		X	$ 446.00	X		N/A	$ 446.00	100%
	Total Extended Price (Three Months)			**$ 78,504.00**			**$ 43,791.00**	**$ 34,713.00**	**56%**

JEA estimates a $34,713.00 (56%) reduced payment to CTI Path over the three (3) month extension as a result of this continued scope reduction. The original quoted rates shall remain fixed on a month to month basis for the duration of the three (3) months. During the three (3) month contract extension, JEA shall finalize the bidding and contracting process with a new vendor and start the new sixty (60) day new vendor implementation.

Request approval to award a three (3) month contract extension to CTI Path LLC. for Cisco Contact Center & Phone System Managed Services in the amount of $43,791.00, for a not-to-exceed amount of $508,703.80, subject to the availability of lawfully appropriated funds.

Manager: Todd, Landon M. - Mgr IT Infrastructure & Collaboration Platforms
Director: Traylor, Kymberly A. - Dir Network & Telecommunication Services
Chief: Datz, Stephen H. - Interim Chief Information Officer

APPROVALS:

_____

Chairman, Awards Committee **Date**

_____

Manager, Capital Budget Planning **Date**

Approved by the JEA Awards Committee

Date: 11/14/2019 Item# 6

Formal Bid and Award System

Award #6 November 14, 2019

Type of Award Request:	CONTRACT EXTENSION
Request #:	6717
Requestor Name:	Todd, Landon M.
Requestor Phone:	(904) 665-7914
Project Title:	Cisco Contact Center & Phone System Managed Services
Project Number:	6244
Project Location:	JEA
Funds:	O&M
Budget Estimate:	200,000.00 (Line 1773)

Scope of Work:

The managed Services company CTI Path provides comprehensive Cisco contact center & phone system managed services to support JEA's Unified Contact Center Enterprise environment (UCCE) platform(s) and Interactive Voice Response (IVR) applications. CTI Path provides base support and regular patch and upgrade services along with real-time Network Monitoring System (NMS) and log monitoring for both the telephony infrastructure and IVR applications. The support provided ensures JEA's system is capable of operating twenty-four (24) hours per day / seven (7) days per week / 365 days per year with a Service Level Agreement component of 99.99%.

This award will impact the following JEA Values:

Customer Value: The maintenance and support of JEA's telephony and IVR applications makes JEA's communication with its customers more reliable.

JEA IFB/RFP/State/City/GSA#:	101-18
Purchasing Agent:	Woyak, Nathan J.
Is this a Ratification?:	NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Amount
CTIPATH LLC.	Alan Knox	AKNOX@CTIPATH.COM	8480 Honeycutt Rd, Suite 200 Raleigh NC 27615	$87,582.00

Amount of Original Award:	$314,066.00
Date of Original Award:	08/09/2018
Change Order Amount:	$87,582.00

List of Previous Change Orders / Amendments:

CPA #	Amount	Date
17623	$21,000.00	9/26/2019

New Not-To-Exceed Amount:	$422,648.00
Length of Contract	One (1) Yr. w/ No Renewals
Begin Date (mm/dd/yyyy):	08/09/2018
End Date (mm/dd/yyyy):	04/30/2020
Renewals:	No
JSEB Requirement:	N/A

Background/Recommendations:

Originally approved and awarded informally on 08/09/2018. A copy of the original award and Response Form is attached as backup. A previous change order was administratively approved on 09/26/2019 to extend the term from 09/30/2019 to 10/31/2019, and add $21,000.00 in funds to allow additional time for JEA to transition to an internal solution. JEA is no longer in position to fully transition the scope of this contract to an internal solution due to limited internal resources.

This request is for a six (6) month contract extension from 11/01/2019 to 04/30/2020 and to add $87,582.00 in additional funds at a reduced scope. The original awarded scope included 1) Managed Services Monitoring, 2) Contact Center Backup and Disaster Recovery, 3) Maintenance and Patching, 4) Troubleshooting and Recovery, and 5) Compliance and Capacity Management. This request for a six (6) month contract extension will be for a reduced scope and only include 1) Managed Services Monitoring and 2) Contact Center Backup and Disaster Recovery for CTI Path to perform and JEA will now self-perform the remaining services. A copy of this contract extension quote is attached as backup. These changes are summarized in the table below:

CTI Path LLC - Six Month Extension Comparison

		Original Contract			Six Month Extension Price			Estimated Savings	
Item	Service Description	JEA	CTI Path LLC	Price Per Month	JEA	CTI Path LLC	Price Per Month	Savings	%
1	Managed Services Monitoring		X	$ 11,836.00		X	$ 11,836.00	$ -	0
2	Contact Center Backup and Disaster Recovery		X	$ 2,761.00		X	$ 2,761.00	$ -	0
3	Maintenance and Patching		X	$ 4,872.00	X		N/A	$ 4,872.00	100%
4	Troubleshooting and Recovery		X	$ 6,253.00	X		N/A	$ 6,253.00	100%
5	Compliance and Capacity Management		X	$ 446.00	X		N/A	$ 446.00	100%
Total Extended Price (Six Months)				$ 157,008.00			$ 87,582.00	$ 69,426.00	56%

JEA estimates a $69,426.00 (56%) reduced payment to CTI Path over the six (6) month term as a result of this scope reduction. The original quoted rates shall remain fixed on a month to month basis for the duration of the six (6) months. During the six (6) month contract extension, JEA shall put this reduced scope of services out to bid and explore other strategic alternatives such as enterprise managed services.

Request approval to award a six (6) month contract extension to CTI Path LLC. for Cisco Contact Center & Phone System Managed Services in the amount of $87,582.00, for a not-to-exceed amount of $422,648.00, subject to the availability of lawfully appropriated funds.

Manager:	Todd, Landon M. - Mgr IT Infrastructure & Collaboration Platforms
Director:	Traylor, Kymberly A. - Dir Network & Telecommunication Services
VP:	Eads, Shawn W. - VP & Chief Information Officer

APPROVALS:

11/14/19

Chairman, Awards Committee **Date**

11/14/19

Financial Analyst, Capital Budget Planning **Date**

Approved by the JEA Awards Committee
Date 8/9/18 Item# 7

Formal Bid and Award System

CPA 176231 Award #7 August 9, 2018

Type of Award Request:	INVITATION TO NEGOTIATE (ITN)
Request #:	6251
Requestor Name:	Dambrose, Nickolas C.
Requestor Phone:	(904) 665-7217
Project Title:	Cisco Contact Center & Phone System Managed Services
Project Number:	6244
Project Location:	JEA
Funds:	O&M
Budget Estimate:	$441,000.00

Scope of Work:

JEA currently utilizes an agency to provide comprehensive managed services to support JEA's Unified Contact Center Enterprise environment (UCCE) platform(s) and Interactive Voice Response (IVR) applications. The agency will provide base support and will provide regular patch and upgrade services along with real-time Network Monitoring System (NMS) and log monitoring for both the telephony infrastructure and IVR applications. The support provided will ensure JEA's system is capable of operating twenty-four (24) hours per day / seven (7) days per week / 365 days per year with a Service Level Agreement component of 99.99%.

JEA IFB/RFP/State/City/GSA#:	101-18
Purchasing Agent:	Dambrose, Nickolas Charles (Nick)
Is this a Ratification?:	NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
CTIPATH, LLC	Alan Knox	aknox@ctipath.com	8480 Honeycutt Rd Suite 200 Raleigh, NC 27615	(919) 299-9477	$314,016.00

Amount for entire term of Contract/PO:	$314,016.00
Award Amount for remainder of this FY:	$51,619.00
Length of Contract/PO Term:	One (1) Year w/No Renewals
Begin Date (mm/dd/yyyy):	09/01/2018
End Date (mm/dd/yyyy):	08/31/2019
Renewal Options:	No Renewals
JSEB Requirement:	N/A - Optional

BIDDERS:

Name	Original Amount	Rank	Score	BAFO Amount	BAFO Rank	BAFO Score
CTIPATH, LLC	$314,016.00	1	77.50	$314,016.00	1	77.50
CDW	$662,937.00	2	31.68	$662,937.00	N/A	N/A
UNITED DATA TECHNOLOGIES	$754,440.00	3	29.81	$754,440.00	N/A	N/A

Background/Recommendations:

Advertised 05/21/2018. Six (6) companies attended the mandatory pre-response meeting on 05/25/2018. At Response opening on 06/19/2018, three (3) Responses were received. CtiPath LLC was selected as the only shortlisted company and the highest ranked Respondent. JEA did not shortlist the other two (2) responses due to the lows scores related to high cost, and the solutions not integrating with JEA's existing tools. JEA solicited a best and final offer (BAFO) but no price improvement was achieved. In addition to the evaluation of rates, the basis of award also included the evaluation of financial responsibility, and design approach and workplan. A copy of the Response Form and Workbook is attached as backup.

JEA's existing Cisco Contact Center & Phone System Managed Services contract through incumbent Ronco, and subcontracted to CtiPath LLC, only monitors a subset of JEA's IVR infrastructure. This new contract directly with CtiPath LLC shall monitor all telephony for the contact center and business systems. This new contract shall also include compliance and capacity management services and maintain the existing 24/7 support for critical issues to ensure that telephony services are available for JEA customers. In exchange for these additional services, JEA will pay an increased cost of $5,168.00 or twenty-four percent (24%) per month, throughout the one (1) year term of this award.

The $441,000.00 budget for this award includes the estimated cost of professional services. These services were not included in the scope of this contract, but will be handled separately through JEA's IT staffing vendor. It should be noted that this contract is only for one year due to JEA reconfiguring its managed services solution to enable a lower cost staffing solution through JEA's IT staffing vendor through a rebid. The new contract is estimated to start by January 2019.

101-18 – Request approval to award a one (1) year contract to CtiPath LLC to provide Cisco Contract Center & Phone System Managed Services in the amount of $314,016.00, subject to the availability of lawfully appropriated funds.

Manager:	Todd, Landon M. - Manager, Call Center Systems
Director:	Datz, Stephen H. - Director, Technology Infrastructure
VP:	Cosgrave, Paul J. - VP & Chief Information Officer

APPROVALS:

8/9/18

Chairman, Awards Committee **Date**

8/9/18

Manager, Capital Budget Planning **Date**

APPENDIX B - RESPONSE FORM (BAFO)
#101-18 JEA Cisco Contact Center & Phone System Managed Services

RESPONDENT INFORMATION:

RESPONDENT'S COMPANY NAME: CtiPath LLC

BUSINESS ADDRESS: 8480 Honeycutt Rd, Suite 200

CITY, STATE, ZIP CODE: Raleigh, NC 27615

TELEPHONE: 919-229-9477

FAX: N/A

EMAIL OF CONTACT: aknox@ctipath.com

WEBSITE: http://ctipath.com

1.4.1 QUOTATION OF RATES

Maximum points for this criterion: 50 points

Respondent shall provide a firm-fixed price quote for all Work in this ITN by completing the enclosed Appendix B Response Form (BAFO) and Response Workbook (BAFO). The prices shall include all profit, taxes, benefits, travel, and all other overhead items.

Please note, the prices quoted by Respondent on the Response Form must be firm-fixed prices, not estimates.

This Amount Should Be Transferred From Appendix B – Response Workbook

Item No.	Description	Cisco Contact Center & Phone System Managed Services
3	TOTAL BID PRICE	$314,016.00

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

Respondent's Certification

By submitting this Response, the Respondent certifies (1) that it has read and reviewed all of the documents pertaining to this ITN and agrees to abide by the terms and conditions set forth therein, (2) that the person signing below is an authorized representative of the Respondent, and (3) that the Respondent is legally authorized to do business and maintains an active status in the State of Florida. The Respondent certifies that its recent, current, and projected workload will not interfere with the Respondent's ability to work in a professional, diligent and timely manner.

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

We have received addenda 3 through 3

Alan Knox July 30, 2018

Appendix B- Response Workbook (BAFO)
#101-18 Cisco Contact Center & Phone System Managed Services
(Enter Pricing in Unit Price Yellow Cells only)

CTI Path LLC

Item No.	Description	1 Year Estimated QTY	Unit of Measure	Unit Price	Extended Price
1	**Setup Fees** Setup Fees shall include any engagement if any with JEA's current Managed Services vendor to ensure a seamless transition within 60 days of contract approval. In addition, Setup Fees shall include • Installation of any required severs or virtual environments. • Implementation of monitoring configurations and definitions with Splunk or similar tools • Modification of IVR scripting required for application monitoring	1	per Lump Sum	$ -	$ -
2	**Support Services** Support Services shall include the description contained in Section 3 of Appendix A - Technical Specifications	8760	per Hour	$ 35.85	$ 314,016.00

3	**TOTAL BID PRICE** Sum Item Numbers 1 and 2 (Transfer this amount to page 1 of Appendix B - Response Form (BAFO))	$	314,016.00

CTIPATH

Statement of

201901 – JEA Monitoring Level Services

November 12, 2019

Cameron Skidmore
cskidmore@ctipath.com
(704) 985-3132

CtiPath Communications
8480 Honeycutt Road, Suite 200
Raleigh, NC 27615

1.0 PRICING

CtiPath Vitals Managed Services:

Approve	Service	One Time Cost	1 Month Term
Base Managed Services:			
	Monitor Level Managed Services - Experience level monitoring - Incident notification	N/A	$11,836 / month
Enterprise and Assurance Services:			
	Base Enterprise Services (per hour)	N/A	$166/hr.
	Catastrophic Recovery (example of using Base Enterprise Service @ estimate 90 hours)	N/A	$14,940
	Contact Center Backup and Disaster Recovery	N/A	$2,761 / month
Yes___ No___	**Total MS Services Pricing**	N/A	
	Onboarding Setup Fees	N/A	

1.1 Pricing Terms

Changes to the Managed Services approved Term (section 15) and/or approved pricing (section 14) will be communicated to Customer as a proposed Change Request (CR). If CtiPath believes that, due to changes of the custom application, new applications, additional software, additional hardware, or additional ports or transactions, there is an increase in CtiPath's costs of performing the services, and then CtiPath may propose a change in the pricing via a CR. In making such a request, CtiPath shall demonstrate the impact on CtiPath's costs. Any change to the environment will be handled on a case-by-case basis between CtiPath and Customer.

Changes will not be effective until agreed to in writing by the parties in a CR. CallRunner Application Monitoring fees as set forth above are fixed through the term hereof unless the scope of remote monitoring services is changed by mutual agreement of the parties or unless the PSTN vendor increases its fees to CtiPath, such increase not to exceed fifteen percent (15%).

2.0 MANAGED SERVICES SALES AGREEMENT FORM

The Term of this Statement of Work shall commence upon the SOW Effective Date (Signature Date) and shall expire upon delivery of all Deliverables ("Term").

Upon the expiration of the term of this SOW, neither CtiPath nor Customer has an obligation to continue services described in this SOW. However, CtiPath and Customer may decide to continue the services described in this SOW through a Change Request (section 12). The Change Request may extend the services of this SOW up to 12 months for three (3) months at a time at a rate based on the month to month price plus 5% described in the Pricing Matrix in section 14 (purchased in three [3] month blocks).

Customer's signatures below indicate acceptance and agreement to pay for the deliverables selected by Customer as listed and selected (via a mark made in the appropriate portion of the Approve column in section 14) and for the term indicated (via a mark made in the appropriate porting of the Approve column below):

Customer	**CtiPath LLC**
By (Signature):	By (Signature):
Name (Print):	Name (Print):
Title (Print):	Title (Print):
Date:	Date:
Billing Information:	
Contact Name:	Contact Name: Alan Knox
Telephone:	Telephone: 919-229-9477
Mailing Address:	8480 Honeycutt Road Suite 200 Raleigh, NC 27615
Email Address:	Email Address: aknox@ctipath.com

This signed Sales Agreement Form must be received by email or mailed along with a Purchase Order at the following address two weeks in advance of project commencement. CtiPath supports electronic signatures, such as DocuSign, as a form of signature approval.

Formal Bid and Award System

Award # 7 July, 30 2020

Type of Award Request: EMERGENCY
Requestor Name: Durrett, Michael E. - Mgr Wastewater Treatment and Reuse - Buckman
Requestor Phone: (904) 665-6493
Project Title: Buckman Water Reclamation Facility (WRF) Centrifuge and Sludge Hauling
Project Number: HW30140
Project Location: JEA
Funds: O&M
Budget Estimate: N/A
Scope of Work:

To provide emergency dewatering services at the Buckman WRF. The services call for a mobile centrifuge, screw press, or belt press with adequate capacity to thicken the sludge from ~1.5% - 4% solids to 20% solids for transport and disposal and to also haul and dispose the thickened sludge at an approved site.

JEA IFB/RFP/State/City/GSA#: N/A
JEA Purchase Order: 187824
Purchasing Agent: Kruck, Daniel
Is this a Ratification?: YES

To continue essential wastewater treatment services, JEA rented a centrifuge from Merrell Bros. Inc. and had additional sludge hauling requirements.

RECOMMENDED AWARDEE(S):

Name	Contact Name	Address	Phone	Amount
MERRELL BROS. INC.	Blake Merrell	8811 W 500 N, Kokomo, IN, 46901	212-449-1974	$323,178.71

Amount for entire term of Contract/PO: $323,178.71
Award Amount for remainder of this FY: $323,178.71
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 02/13/2020
End Date (mm/dd/yyyy): Project Completion (July 2020)
JSEB Requirement: N/A - Emergency

Background/Recommendations:

On or about 02/02/2020, JEA experienced failures on all three (3) of its centrifuges at the Buckman WRF. Sludge pumping from Arlington East WRF (AEWRF) was halted until the centrifuges could be fixed. After two (2) centrifuges were fixed, AEWRF resumed sludge pumping, but the system was still not functioning properly. Biosolids Distribution Services (BDS), a vendor currently under contract to supply emergency dewatering equipment and sludge hauling services did not have at the time an adequate centrifuge or screw press available to properly thicken the sludge to ~20%.

On 02/07/2020, one of the repaired centrifuges failed again, with an estimated one year lead time for parts and repair. With just one working centrifuge it was decided this is an emergency situation and that JEA needed to get a mobile centrifuge to the Buckman WRF as soon as possible. Due to the

screw press issues with BDS, and issues discovered during this timeframe with BDS hauling solids, JEA reached out to Merrell Bros. Inc. and asked for the availability of a centrifuge and solids hauling services.

Merrell Bros. Inc. quoted pricing for an emergency centrifuge for use while the JEA centrifuges were being repaired and emergency sludge hauling services. JEA reviewed the pricing, which was ~24% above the BDS cost and deemed it reasonable when compared to historical costs. A copy of the quote is attached as backup. The repaired centrifuge was required to be installed by the manufacturer for warranty reasons, however, the installation was delayed due to the COVID-19 pandemic, extending the time the emergency centrifuge was needed. All services by Merrell Bros. Inc. for this emergency are now concluded.

Request ratification of a purchase order to Merrell Bros. Inc., for rental of a centrifuge and hauling of sludge in the amount of $323,178.71, subject to the availability of lawfully appropriated funds.

Director: Sgambettera, John J. - Mgr Wastewater Treatment and Reuse - South Grid

Chief: Vu, Hai X. - Interim General Manager Water Wastewater Systems

APPROVALS:

_____

Chairman, Awards Committee **Date**

_____

Manager, Capital Budget Planning **Date**

Certification of Emergency Procurement

For Purchase Requisition No. _____

3-113 Emergency Procurements.

Notwithstanding any other provision of this Code, the Chief Procurement Officer or Designee may make or authorize Emergency Procurements when there exists an Emergency as defined in Section 1-113(1)(2), provided that such Emergency Procurements shall be made with such competition as is practicable under the circumstances. A written determination of the basis for the Emergency and for the selection of the particular Company shall be included in the Procurement file.

COMMENTARY:

(1) This section authorizes the procurement of supplies, services, construction or real estate where the urgency of the need does not permit the delay involved in utilizing other methods of source selection.

(2) While in a particular emergency an award may be made without any competition, the intent of this Code is to require as much competition as practicable in a given situation.

Basis of Emergency

I the undersigned certify that the specific supplies, services, construction or real estate described in the above referenced purchase requisition must be procured on an emergency basis for the following reasons:

X ____ a reasonably unforeseen breakdown in machinery;
_____ a threatened termination of an essential service;
_____ the development of a dangerous condition;
X ____ the development of a circumstance causing curtailment or diminution of an essential service;
_____ the opportunity to secure significant financial gain through immediate or timely action; or
_____ the opportunity to avoid significant financial loss through immediate or timely action.

Brief Description of Services/Supplies

Emergency Dewatering Services. This service calls for 1) a mobile centrifuge, screw press, or belt press with adequate capacity to thicken the sludge at Buckman from ~1.5% - 4% solids to 20% solids for transport and disposal; and 2) to haul and dispose the thickened sludge at an approved site.

Solicitation Summary (List all solicitations, quotations and indicate contractor/supplier selected)

Merrell Bros. was selected based upon immediate availability of equipment.

Explanation of Basis of Selection (Price, availability, delivery or specify other basis)

On about 2/2/20, JEA experienced failures on all 3 of its centrifuges at the Buckman plant. Sludge pumping from Arlington East WRF (AEWRF) was halted until the centrifuges can be fixed. After 2 centrifuges were fixed, AEWRF resumed sludge pumping but the system was not functioning properly. BDS, a vendor currently under contract to supply emergency dewatering equipment, sent a screw press to AEWRF at JEA's request. On 2/5/20, the sludge pumping issues at AEWRF were resolved. On the same day, BDS requested to move the screw press to Hillsborough to address an emergency there. It was implied no other units were available from BDS. JEA agreed to release BDS. JEA operations informed management that the BDS screw press had trouble thickening AEWRF's 1% solids sludge to the required ~20% solids.

On 2/7/20, one of the repaired centrifuge failed again, with an estimated 1 year lead time for parts and repairs. With just 1 working centrifuge, it was decided this is an emergency situation and JEA needs to get a mobile centrifuge to Buckman ASAP. Since BDS had just removed their screw press to transport to Hillsborough, in conjunction with the operational and hauling issues at AEWRF (BDS was going to haul the sludge to an unapproved site, which is against contractual requirements), and previous operational issues at Buckman (unit sent was undersized and did not operate

properly), JEA was not assured that BDS and their unit can reliably serve JEA. JEA reached out to Merrell and asked for availability of a centrifuge. Merrell had a properly sized centrifuge that was available and able to be transported to JEA by 2/10/20.

Hai V. Vu

Signature of appointed employee certifying the emergency procurement

02/20/2020

Date

To be completed by the Procurement Department:

Contract or Purchase Order Number: _____ Amount: $ _____

This Certification shall be attached the purchase requisition when routed for approval. Approval of the purchase requisition shall constitute affirmation of this Certification. This emergency procurement shall be reported to the JEA Board in accordance with Section 1-113(2) of the JEA Purchasing Code

MERRELL BROS®

A Biosolids Management Corporation

2/14/2020

Proposal Submitted To:
Thaliah D. Smith
JEA, Jacksonville, FL

Project Location:
Buckman WWTP

We hereby propose to provide a Mobile Centrifuge complete with a custom folding side discharge conveyor, sludge pump, polymer make down system, stainless steel cat walking, wash water pump, and PLC controls. The polymer make down requires ~60 GPM at 60+PSI. This proposal requires a minimum 3 month rental starting from the 1st day the machine is delivered to JEA Buckman. Then, the rental charge will cease on the day JEA confirms they are finished with the mobile centrifuge unit, or at the end of the 3 month period, whichever happens on a later date.

To be provided by others at no cost to Merrell Bros:

- Fresh water supply for polymer make down: 60GPM at 60+PSI
- Flooded suction sludge supply with 150' of Centrifuge
- 3 Phase, 480 Volt, 300 amp electrical disconnect within 150' of dewatering area
- Accept gravity flow of centrate from dewatering equipment to the pretreatment facility with 150' of Centrifuge
- Trucking and disposal

8811 W 500 N
Kokomo, IN 46901
info@merrellbros.com

Office: (800) 663-8830
Fax: (574) 699-7478
www.merrellbros.com

MERRELL BROS.®

A Biosolids Management Corporation

ALL MATERIAL IS GUARANTEED TO BE AS SPECIFIED, AND THE ABOVE WORK TO BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS SUBMITTED FOR THE ABOVE WORK AND COMPLETED IN A SUBSTANTIAL WORKMANLIKE MANNER FOR THE SUM OF:

Mob/Demob, Setup, Tear Down & winterization of set up:	**$15,000.00 Lump Sum**
Mobile Centrifuge Rental:	**$27,500.00 Per Month**
Merrell Bros., Inc. Centrifuge Technician:	**$1200.00 Per 11-12 hour shift**
Price Per Ton for Hauling and Disposal:	$57.86 per ton

WITH PAYMENTS TO BE MADE AS FOLLOWS: **NET 30 DAYS AFTER COMPLETION.** Overdue payments will incur a finance charge of 1.5% per month (18% per year). If your account becomes past due, we will take all steps necessary to collect, including but not limited to the filing, recording, and foreclosure of a mechanic's lien. You agree to pay all costs of collection, including but not limited to collection agency and attorney fees.

The undersigned warrants that he/she has full authority to bind the Owner/Principal

Respectfully submitted by Blake Merrell
Per ***Merrell Bros., Inc.***

Blake Merrell 2-14-2020

Merrell Bros., Inc. ***Date***

8811 W 500 N
Kokomo, IN 46901
info@merrellbros.com

Office: (800) 663-8830
Fax: (574) 699-7478
www.merrellbros.com

Formal Bid and Award System

Award #8 July 30, 2020

Type of Award Request: STANDARD
Requestor Name: Williamson, Kent C. – Mgr Wastewater Treatment and Reuse - North Grid
Requestor Phone: (904) 665-8383
Project Title: Hach Services & Commodities Contract- JEA Approved Standard
Project Number: 30131, 30132, 30133, 30134, 30135, 30142, 30143, 8005896, 8005895, 8005898, 8005899, 8005899, 8005897, 8005900, 8005901
Project Location: JEA
Funds: Capital & O&M
Award Estimate: $2,046,870.00
Scope of Work:

To execute a three (3) year contract with Hach for instrumentation servicing and the purchase of equipment & supplies. Hach is an approved JEA Standard for chemistry controllers, analyzers, instrumentation and testing equipment and supplies for the Water/Wastewater (W/WW) Treatment Plants.

JEA IFB/RFP/State/City/GSA#: NA
Purchasing Agent: Kruck, Dan
Is this a Ratification?: NO
RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
HACH COMPANY	Craig Zangerle	orders@hach.com; czangerl@hach.com	PO Box 608 Loveland CO 80539-0608	(800) 227-4224	$2,046,870.00

Amount for entire term of Contract/PO: $2,046,870.00
Award Amount for remainder of this FY: $113.715.00
Length of Contract/PO Term: Three (3) Years w/Two (2) – 1 Yr. Renewals
Begin Date (mm/dd/yyyy): 08/01/2020
End Date (mm/dd/yyyy): 07/31/2023
Renewal Options: YES - Two (2) – 1 Yr. Renewals
JSEB Requirement: N/A – STANDARD

Background/Recommendations:

Hach Company is a W/WW Standards approved vendor providing chemistry controllers, analyzers, instrumentation and testing equipment and supplies. The W/WW Standard for Hach is attached as backup.

JEA has negotiated discounts off list price for equipment and services from Hach Company. The discounts range from 4%-12% depending on the category of item. Conservatively this will result in a cost savings of $81,874.80 over the term of the contract than if JEA did not enter into this agreement. The list prices will be fixed with a 2.5% increase allowed per year. The discount sheet from Hach Company is attached as backup. JEA previously had a Standards contract with Hach Company that had a renewal left, however, JEA was able to negotiate better price discounts and price increases with a new contract than executing the remaining renewal, through a longer term. JEA used the average spend of the past three to determine the award amount.

JEA is not obligated to spend any money under this contract, however, in order to receive the larger discounts JEA must spend at least $500,000.00 per year with a minimum volume increase of five percent (5%) per year.

The projected contract spend is below:

- FY20: $113,715.00
  - O&M: $73,914.75
  - Capital: $39,800.25
- FY21: $682,290.00
  - O&M: $443,488.50
  - Capital: $238,801.50
- FY22: $682,290.00
  - O&M: $443,488.50
  - Capital: $238,801.50
- FY23: $568,575.00
  - O&M: $369,573.75
  - Capital: $199,001.25

Request approval to award a three (3) year contract to Hach Company for testing equipment and related supplies and services in the amount of $2,046,870.00, subject to the availability of lawfully appropriated funds.

Director: Sgambettera, John J. - Mgr Wastewater Treatment and Reuse - South Grid

Chief: Vu, Hai X. - Interim General Manager Water Wastewater Systems

APPROVALS:

_____

Chairman, Awards Committee **Date**

_____

Manager, Capital Budget Planning **Date**

APPROVED MANUFACTURERS

Hach

Wallce & Tieman

Cerlic

Rosemount

ISCO

Sigma

Endress Hauser

Krohne

Kurz

Fluid Components International

Milltronics

GP:50

Red Valve

ANALYZERS

TYPE	MANUFACTURER	MODEL #
Nitrate/Nitrite Analyzers	Hach	Analyzer 557
Ammonia Analyzers	Hach	Analyzer 517
Chlorine Analyzer	Hach	Hach CL17
Chlorine Analyzer	Wallace & Tiernan	Depolox
Phosphate Analyzer	Hach	Hach Phosphax
Chlorine Analyzer (colorimetric)	Hach	CL17 series (total or free)
Chlorine Analyzer (amperametric)	Hach	CL10 series (total or free)
Phosphate Analyzer Sampler	Hach	PHOSPHAX SC
Turbidity/TSS Analyzer	Solitax	TSS Sensor
Turbidity/TSS Analyzer	Hach	Highline sc SS wiper w/sc 200

CONTROLLERS

TYPE	MANUFACTURER	MODEL #
Controller sc200	Hach	2 Inputs and Profibus
Controller sc1000	Hach	4 inputs and Profibus DP
Nitrate/Nitrite Controller	Hach	HACH Amtax SC1000
Ammonia Analyzers Controller	Hach	HACH Amtax SC1000
UV Transmittance Controller	Hach	SC 100 Item
Suspended Solids Controller	Cerlic	BB2 Control Box

PROBES

TYPE	MANUFACTURER	MODEL #
Ammonia Probe	Hach	Hach NH4D Ammonia Sensor
DO Probes	Hach	LDO Probe
DO Probes Controller	Hach	SC 100
pH Probes	Hach	pHD sc, Differential pH Digital Sensor
pH Probes	Rosemount	Solucomp II Analyzer
Sludge Level Probe	Hach	Sonatax sc Probe

SAMPLERS

TYPE	MANUFACTURER	MODEL #
Refrigerated Sampler	ISCO	6712FR
Refrigerated Sampler	ISCO	5800
Refrigerated Sampler	Sigma	
Sample Conditioning Filter System	Hach	Filtra
Ammonia Analyzer Sampler	Hach	AMTAX SC
Samplers	Hach	AS950 series

SENSORS

TYPE	MANUFACTURER	MODEL #
TSS Sensor	Cerlic	ITX Suspended Solids
TSS Sensor	Hach	Hach
MLSS Sensor	Hach	Hach Solitax Solids Analyzer
Turbidity Sensor	Hach	Hach Solitax Turbidity/TSS
Nitrate/Nitrite Sensor	Hach	NITRATAX Plus SC
Ammonia Sensor	Hach	AISE sc Ammonium probe with RFID Technology
Dissolved Oxygen Sensor/Probe	Hach	LDO Model 2
Differential pH Sensor	Hach	pHD SC
UV Absorb/Trans Sensor	Hach	UVAS Plus SC Suspended Solids/Turbidity Sensor Hach
Suspended Solids/Turbidity Sensor	Hach	SOLITAX SC
Conductivity Sensor	Hach	3700 Inductive Conductivity Sensor
ORP Sensor	Hach	ORP Differential Sensor
Suspended Solids Sensor	Cerlic	LC sensor
UV Transmittance	Hach	UVAS sc sensor
pH Sensor	Rosemount	Solucomp II Analyzer
Pressure	Red Valve	series 48

Addendum A.

HACH Pricing Structure for JEA

Hach & JEA have established the below discounts and mutual terms and conditions for period of **July 1, 2020, through September 30, 2023**

Hach Product Segment	Discount off Current List
Hach Lab Instruments (Incl. Electrodes, Sensors, Docs, Hardware & Software)	7.00
Hach Lab Accessories/Consumable parts (e. g. Pipette Tips)	7.00
Hach Lab Chemistries (includes test kits)	12.00
Hach Lab Service Contracts & Fees*	5.00
Sigma Sampler Instruments (Incl. Electrodes, Sensors, Documentation, Hardware)	25.00
Sigma Sampler Accessories/Consumables	7.00
Sigma Sampler Chemistries	7.00
Sigma Sampler Service Contracts & Fees*	5.00
Hach Process Instruments (Incl. Probes, Electrodes, Sensors, Documentation)	7.00
Hach Process Accessories/Consumable parts	7.00
Hach Process Chemistries	7.00
Hach Process Service Contracts & Fees*	5.00
IIM Software (WIMS JobCal etc)	4.00
IIM Subscriptions (WIMS JobCal etc)	4.00
IIM Service Contracts & Fees	4.00
Claros Service Contracts & Fees	4.00
Biotector Instruments (includes Documentation, Hardware & Software)	4.00
Biotector Service Contracts & Fees	4.00
AppliTek Instruments (includes Documentation, Hardware & Software)	4.00
AppliTek Accessories/Consumable Parts	4.00
AppliTek Chemistries (Currently 3rd Party but Hach may supply)	4.00
AppliTek Service Contracts & Fees*	4.00
Lachat Service Contracts & Fees*	4.00

Highlights:

Hach sincerely appreciates the relationship with JEA and is further discounting pricing due to JEA's increased spend over the past several years.

- Service contract pricing on existing instruments will be held at only 2.5% increase per year.
- JEA discount pricing applies to all orders regardless of ordering method.
- Notification of any potential change in pricing shall be provided at least 30 days prior to implementation.

JEA's special pricing and terms in this addendum are based on a targeted annual spend of $500,000 including a minimum volume increase of 5% annually. These condition guidelines will be reviewed periodically to ensure continued benefit to both JEA and Hach.

The parties acknowledge this agreement below:

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

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

Previously negotiated and mutually agreed upon terms and conditions remain enforced for this updated agreement.

Certification of Standard, Proprietary or Original Equipment Manufacturer Item

For Purchase Requisition No. _____

3-112 Procurement of Standard, Proprietary and Original Equipment Manufacturer Items.

A contract may be awarded for Supplies or Services with limited or no competition when the Supplies or Services:

(a) have been selected as a JEA standard in the course of a standards program or through the action of a standards committee (standard); or

(b) must be a certain type, brand, make or manufacture (proprietary); or

(c) must be obtained from the original equipment manufacturer , manufacturer's representative or a distributor authorized by the original equipment manufacturer because of the criticality of the item or compatibility within the JEA system (original equipment manufacturer).

Category

The procurement item is (check the appropriate description):

X Standard _____ Proprietary _____ Original Equipment Manufacturer

Certification

I the undersigned certify that the specific supplies, services or construction described in the above referenced purchase requisition are the only such supplies, services or construction that will fulfill the intended need for the following reasons:

Per JEA Wastewater Plant Standards and Instrumentation Standards; Hach instrumentation products, regents, testing equipment, bench meters, etc is the JEA standard for wastewater. All JEA wastewater Treatment Plant facilities utilize Hach equipment per these standards.

To change to a different vendor for these items, JEA would incur significant cost to retrofit the numerous systems that support the Hach equipment at these facilities.

_____ 7/24/20

Signature of appointed employee initiating the purchase request Date

This Certification shall be attached the purchase requisition when routed for approval. Approval of the purchase requisition shall constitute affirmation of this Certification.

Water/Wastewater Standards Approval Process

(Effective 4/1/19)

Standards Process Overview

1. Standards requests are submitted via SharePoint form from within JEA or jea.com from stakeholders. Operations group will include a discussion of the cost vs. benefit of a proposed solution, or if a solution is not recommended then a discussion of what the current issue is causing in terms of cost, lost productivity, etc.
2. Standards group reviews requests, gathers information and researches potential solutions.
3. Standards group employs engineering consulting firm as needed; in general, the larger the issue, the more likely an engineering firm with international experience will be helpful in providing perspective and market trends.
4. After data and findings are compiled by the researcher, Standards and the business unit or stakeholder will formulate a proposal for presentation to management for consideration. The proposal will include cost vs. benefit and the recommendation could be approved or a rejection of the initial issue.
5. Standards group collaborates solution with management (Operations and Development) for approval.
6. Standards group communicates proposed solution with external stakeholders; this may require workshops or meetings with stakeholder groups.
7. Standards group communicates final solution with interested parties.
8. Standards group updates standards documents and Oracle.

Standard Request Types

Standards Changes Requests	Changes to the existing standards.
Product Performance Issues	Poor performance from product/vendor/manufacturer needs addressed.
New product requests	New product/vendor/manufacturer requesting approval for JEA use.

Standards Request Initiation Process

Initiating a Standards Change Request

Initiator will fill out a SharePoint form describing the following:

1. Type of standards change request
2. A brief description of the standards change being requested
3. The reason for the standards change being requested
4. The urgency associated with the request
5. The risk associate with the request
6. The magnitude of the effect of the changes on the business

Reporting a Product Performance Issue

Initiator will fill out a SharePoint form describing the following:

1. Vendor/Manufacturer with issue
2. A brief description of the performance issue
3. The urgency associated with the performance issue
4. The risk associate with the performance issue
5. The magnitude of the effect on the business of the performance issue

Initiating a New Product Request to be added to JEA Approved Materials

Vendor/Manufacturer will fill out a form on jea.com which will be transferred to SharePoint form

1. Product being requested
2. A brief description of the product being requested
3. The benefit to JEA of the product being requested
4. Links to documentation regarding the product
5. Contact information of the representative of the product
6. References of other businesses that have approved and are using the product

Formal Bid and Award System

Award #9 July 30, 2020

Type of Award Request: CONTRACT ASSIGNMENT
Request #: 6871
Requestor Name: Keeler, Jessica
Requestor Phone: (904) 665-6403
Project Title: Network Protectors for JEA Inventory Stock
Project Number: Various
Project Location: JEA
Funds: Inventory Blanket Account
Budget Estimate: N/A
Scope of Work:

The purpose of this Agreement is to provide Network Protectors for JEA Inventory stock, which are special self-contained air breaker or switching units that have a full complement of current, potential and control transformers, as well as relay functionality. The primary purpose of these items is to enable the paralleling of two or more primary feeders on the same low voltage bus. Our current inventory balance for the items included in this agreement is $246,665.77, with current lead-time of over fourteen weeks depending upon the item.

JEA IFB/RFP/State/City/GSA#: 98454
Purchasing Agent: Roddy, Colin Patrick
Is this a Ratification?: No
RECOMMENDED AWARDEES:

Name	Vendor Contact	Email	Address	Phone	Amount
COOPER POWER SYSTEMS, LLC	Richard Delizza	richardd@electricsalesinc.com	1319 Lincoln Ave, Waukesha, WI 53186	954-279-2015	$0.00

Amount of Original Award: $1,121,385.00
Date of Original Award: 02/06/2020
Assignment Adjustment Amount: $0.00
New Not-To-Exceed Amount: $1,121,385.00
Length of Contract/PO Term: Five (5) Years
Begin Date (mm/dd/yyyy): 02/06/2020
End Date (mm/dd/yyyy): 02/05/2025
Renewal Options: No Renewals
JSEB Requirement: N/A - Standard

Background/Recommendation:
Originally bid and approved by the Awards Committee on 02/06/2020 to Eaton Corporation in the amount of $1,121,385.00. The original award item is attached for reference.

While JEA was in the process of obtaining the authorized Eaton Corporation representative to sign the contract agreement, Eaton Corporation requested that the contract should have been awarded to Cooper Power Systems, LLC rather than Eaton Corporation. Cooper Power Systems, LLC is a wholly owned subsidiary of Eaton and is who the contract should be executed with.

Request approval to reassign the previously awarded Eaton Corporation JEA Network Protectors for JEA Inventory Stock Award to Cooper Power Systems, LLC, subject to the availability of lawfully appropriated funds.

Manager: Pearson, Kenny – Procurement Category Manager
Director: McCollum, Jenny – Director, Procurement Services
Chief: McElroy, Alan – Interim Chief Supply Chain Officer

APPROVALS:

_____

Chairman, Awards Committee **Date**

_____

Manager, Operating Budget Planning **Date**

Approved by the JEA Awards Committee

Date: 02/06/2020 Item# 3

Formal Bid and Award System

Award #3 February 6, 2020

Type of Award Request: STANDARD
Request #: 6763
Requestor Name: Keeler, Jessica
Requestor Phone: (904) 665-6403
Project Title: Network Protectors for JEA Inventory Stock
Project Number: Various
Project Location: JEA
Funds: Inventory Blanket Agreement
Budget Estimate: N/A
Scope of Work:

Eaton was standardized through the underground standard committee in order to provide Network Protectors for JEA Inventory stock. The Invitation to Negotiate (ITN) that was released in order to solicit pricing for four (4) of these Network Protectors which are special self-contained air breaker or switching units that have a full complement of current, potential and control transformers, as well as relay functionality. The primary purpose of these items is to enable the paralleling of two or more primary feeders on the same low voltage bus.

Since 2016, JEA has only spent $334K for three out of the four respective item ID's included in this change out program. One item ID has not been purchased to date. We currently have 4 total units in stock with an Inventory value of $171K.

- Customer Value – Ensures JEA can continue to efficiently and effectively operate the energy network grid.
- Community Impact Value – Minimize network outages particularly through natural disasters.

JEA IFB/RFP/State/City/GSA#: 98454
Purchasing Agent: Roddy, Colin
Is this a ratification?: NO
If yes, explain:

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
EATON CORPORATION	Alec Weiss	alecxweiss@eaton.com	1520 Emerald Road, Greenwood, SC 29646	864-941-3161	$1,121,385.00

Amount for entire term of Contract/PO: $1,121,385.00
Award Amount for remainder of this FY: $1,121,385.00
Length of Contract/PO Term: Five (5) Years
Begin Date (mm/dd/yyyy): 02/06/2020
End Date (mm/dd/yyyy): 02/05/2025
JSEB Requirement: N/A - Standard

Background/Recommendations:

JEA is procuring Network Protectors for inventory in an effort to improve network reliability. Network Protectors are special self-contained air breaker or switching units with the primary purpose to enable the paralleling of two or more primary feeders on the same low voltage bus. Currently there are only two (2) network protector manufacturers available, Richards (1960's design) and Eaton (2000's design). Westinghouse and GE no longer manufacturer network protectors and there are no Cooper's currently on the system.

The network protectors at JEA are old/outdated and requires substantial maintenance. In fact, some of the protectors on the system were installed back in the 1960's. Meetings were held with both Eaton (Feb 20, 2019) and Richards (April 11, 2019) in order to review changes/improvements to each network protector over the years. The Richards is based on very old technology, while the Eaton has some new features, specifically regarding safety/arc flash mitigation. JEA installed one of the first CM52's manufactured in 2000 as part of a pilot project. This network protector has operated flawlessly for the past 19 years with no issues. Eaton has made numerous enhancements/improvements since and provide the additional following benefits which were the main contributing factors of standardizing on the Eaton CM52 product for network protector applications:

- Indicating Diagnostic Module – Provides NWP health via SCADA. It helps support maintenance and catch issues before they become bigger issues.
- Eaton Magnum power circuit breaker – provides a close and latch rating, highest ratings in the industry, same breaker for 216V or 480V, total clear with ARMS <2cycles. Compact design, weighs only 175 lbs. for a 3pole unit. Can be stocked and used for change outs vs changing out entire units like older models.
- ARMS – this is a true proven life-saving feature. Uses an energy harvesting analog trip circuit, no micro-processing time, activates in sub cycle time and clears <2cycles. Cannot be used with other models, due to speed and ARMS is activated through the IDM module.
- Remote Racking – a true visible break is provided, the breaker can be racked out via a remote operation (SCADA, RAD, Pendant) with the door CLOSED. It is a four position breaker (racked-in, racked-out and test, racked-out and disconnected, racked-out on rails).
- Modularity – simple design, fuse section, breaker section, and relay cabinet section. Relay drawers and breakers can be stocked.

The only approved JEA project requirements were for FY20 projects which represented 27 units. The Underground group has identified a number of network submersible protectors that need to be replaced throughout our system over the coming years. There are 107 units identified to be potentially replaced over the next 3 – 5 years and an additional 137 units in the 5-7 year range, depending on funding that will be determined at a later date.

It should be noted, the pricing is much higher with an average cost increase of 68.84%. However JEA has not made any purchases in over a year and were not of the Eaton brand, which as described above is a far superior product.

Realizing this type of item was being standardized, there was a need to leverage product demand for the upcoming FY's. In order to do this, JEA and Eaton have agreed to the below cumulative order discount model where there will be a sliding scale in JEA's favor if we order more network protectors as we are predicted to do so.

Years 2021- 2025	
Cumulative Ordered	Additional Percentage Discount
1-30	0.00%
31-40	2.00%
41-50	2.00%
50+	4.00%

Request approval to award a contract to Eaton Corporation for the supply of Network Protectors for JEA Inventory Stock in the amount of $1,121,385.00, subject to the availability of lawfully appropriated funds.

Manager: Pearson, Kenny – Procurement Category Manager
Director: McCollum, Jenny – Director, Procurement Services
VP: McCarthy, John – VP Logistics & Chief Supply Chain Officer

APPROVALS:

2/6/2020

Chairman, Awards Committee **Date**

2/6/2020

Manager, ~~Operating Budgets~~ **Date**
Capital Budget Planning

98545 Appendix B - BAFO Reponse Workbook for Network Protectors for JEA Inventory Stock

Vendor Name: **EATON CORP.**

Instructions: The lead time listed in Column K must be the number of calendar days after receipt of order that JEA will receive the material, not the number of days to ship. Any blanks left on the workbook will be considered to be a "no bid." Your quoted unit price must be listed in Column H. You must take the final amount located in cell H4 and transfer that price to the Appendix B - Response Form.

							Total FY20 Year Bid Price				
							$1,121,384.00	Years 2021- 2025			
JEA Item ID	Item Description	Mfg Name Mfg Part Number	Quoted Mfg. & Part Number	UOM	JEA FY20 Year Usage	Quoted Unit Price	Proposed Bid Price	Cumulative Ordered*	Additional Percentage Discount**	Lead Time: In Calendar Days After Receipt of Order	Contractual Minimum Order Quantities
PROTR001	PROTECTOR (SUBMERSIBLE), NETWORK TRANSFORMER, 3 PHASE, 1875 AMPERE RATING, 500 KVA, 216Y/125 VOLTAGE, TO BE SUPPLIED WITH A SCADA RELAY INSTALLED IN PROTECTOR	EATON PER SPECIFICATION	PL27PRELIM (part numbers will be created ARO)	EA	18	$37,702.00	$678,636.00	1-30	0.00%	Drawings = 30 days Delivery = 126	1
PROTR002	PROTECTOR (SUBMERSIBLE), NETWORK TRANSFORMER, 3 PHASE, 2500 AMPERE RATING, 750 KVA, 216Y/125 VOLTAGE, TO BE SUPPLIED WITH A SCADA RELAY INSTALLED IN PROTECTOR	EATON PER SPECIFICATION	PL27PRELIM (part numbers will be created ARO)	EA	3	$44,057.00	$132,171.00	31-40	2.00%	Drawings = 30 days Delivery = 126	31
PROTR003	PROTECTOR (NON-SUBMERSIBLE), NETWORK TRANSFORMER, 3 PHASE, 1875 AMPERE RATING, 1000/1500 KVA, 480Y/ 277 VOLTAGE, TO BE SUPPLIED WITH A SCADA RELAY INSTALLED IN PROTECTOR	EATON PER SPECIFICATION	PL27PRELIM (part numbers will be created ARO)	EA	1	$46,152.00	$46,152.00	41-50	2.00%	Drawings = 30 days Delivery = 126	31
PROTR004	PROTECTOR (NON-SUBMERSIBLE), NETWORK TRANSFORMER, 3 PHASE, 2825 AMPERE RATING, 1500/2250 KVA, 480Y/ 277 VOLTAGE, TO BE SUPPLIED WITH A SCADA RELAY INSTALLED IN PROTECTOR	EATON PER SPECIFICATION	PL27PRELIM (part numbers will be created ARO)	EA	5	$52,885.00	$264,425.00	50+	4.00%	Drawings = 30 days Delivery = 126	50

** Cumulative units ordered across all models in calendar year*

***Percentage taken from 2020 Quoted price at the time of order. If multiple orders are placed in the same year and the cumulative volume moves pricing into the next tier, a credit will be issued to adjust accordingly on past orders.*