AWARDS COMMITTEE
AGENDA

DATE: **Thursday, March 4, 2021**

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

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

Public Comments:

Awards:

1. Approval of the minutes from the last meeting (02/26/2021).

2. Request approval to partially assign the previously awarded Advanced Disposal Services of Jacksonville, LLC for JEA's Recycling, Solid Waste Hauling, and Disposal Services requirements in the amount of $62,000.00 to GFL Solid Waste Southeast, LLC, subject to the availability of lawfully appropriated funds.

3. Request approval to award a contract amendment to Williams Industrial Services, Inc. for additional work on the JEA Nassau Regional Water Treatment Plant Wellhead No. 3 and Water Main Improvements Project in the amount of $63,879.69, for a new not-to-exceed amount of $2,048,809.69, subject to the availability of lawfully appropriated funds.

4. Request approval to award a change order to CDM Smith Inc. for additional studies for the Integrated Water Resource Plan (IWRP) in the amount of $188,090.00, for a new not-to-exceed amount of $1,393,434.00, subject to the availability of lawfully appropriated funds.

5. 099-20 - Request approval to award contract to Rodriguez Architecture, LLC for Engineering Design for the Fleet Services Operations Building Renovation Design Services in the amount of $169,760.00, subject to lawfully appropriated funds.

6. 1410190446 – Request approval to award a contract to Mechanical Dynamics & Analysis LLC, for steam and combustion turbine maintenance, repair and overhaul services in the amount of $14,000,000.00, subject to the availability of lawfully appropriated funds.

7. Request approval to award a contract amendment to Hazen and Sawyer for additional design and engineering services during construction for the Engineering Services for Nassau Regional Water Reclamation Facility Projects in the amount of $9,630,444.00, for a new not-to-exceed amount of $12,921,851.00, subject to the availability of lawfully appropriated funds.

Informational Items: N/A

Open Discussion: N/A

Public Notice: N/A

General Business: N/A

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

03-04-2021 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 02/26/2021 meeting.
2	Contract Assignment (Partial)	McElroy	$62,000.00	$62,000.00	GFL Solid Waste Southeast LLC	Five (5) Years w/ One (1) – One (1) Yr. Renewal	**Recycling, Solid Waste Hauling, and Disposal Services** Request approval to partially assign the previously awarded Advanced Disposal Services of Jacksonville, LLC for JEA's Recycling, Solid Waste Hauling, and Disposal Services requirements in the amount of $62,000.00 to GFL Solid Waste Southeast, LLC, subject to the availability of lawfully appropriated funds.
3	Contract Amendment	Vu	N/A	$63,879.69	Williams Industrial Services LLC	Project Completion (Expected: 03/2021)	**JEA Nassau Regional Water Treatment Plant (WTP) Wellhead No. 3 and Water Main Improvements Change Order** Request approval to award a contract increase to Williams Industrial Services, Inc. for additional work on the JEA Nassau Regional Water Treatment Plant Wellhead No. 3 and Water Main Improvements Project in the amount of $63,879.69, for a new not-to-exceed amount of $2,048,809.69
4	Contract Amendment	Vu	N/A	$188,090.00	CDM Smith Inc.	Project Completion (Expected: April 2022)	**Integrated Water Resource Plan (IWRP)** Request a contract amendment to CDM Smith for additional engineering study and IWRP model development and training.
5	Proposal (RFP) 3 Proposers	McElroy	$50,000.00	$169,760.00	Rodriguez Architecture, LLC	Project Completion (Expected by 07/15/2021)	**Fleet Services Operations Building Renovation Design Services** Request approval to award a contract to Rodriguez Architecture, LLC for design services for Fleet Services Operations Building Renovation project in the amount of $169,760.00.
6	Proposal (RFP) 4 Proposers	Erixton	$27,100,000.00	$14,000,000.00	Mechanical Dynamics & Analysis LLC	Five (5) years w/ Two (2) - 1 Yr. Renewals	**Steam and Combustion Turbine MRO Services** For turbine maintenance, repair and overhaul services. Services include, but are not limited to steam and combustion turbine inspections, repairs and overhaul during outages and during operations. The company will be responsible to provide tools, equipment, man power, materials and services to support JEA's steam and combustion turbines FY20 - $500,000.00

03-04-2021 Awards Committee

7	Contract Amendment	Vu	$9,800,000.00	$9,630,444.00	Hazen and Sawyer	Project Completion (Expected: October 2024)	**Engineering Services for Nassau Regional Water Reclamation Facility Projects** Request approval of a contract amendment for final design and services during construction for the Nassau Regional Water Reclamation Facility projects.
Total Award				$24,114,173.69			

JEA AWARDS COMMITTEE
FEBRUARY 26, 2021 MEETING MINUTES

The JEA procurement Awards Committee met on February 26, 2021, in person with a WebEx option

WebEx Meeting Number (access code): **160 589 9848**
WebEx Password: pxP6CqUSt63

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

Chair McCollum called the meeting to order at 11:03 a.m., introduced the Awards Committee Members, and confirmed that there was a quorum of the Committee membership present.

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

Awards:

1. Approval of the minutes from the last meeting (02/18/2021). Chair McCollum verbally presented the Committee Members the proposed February 18, 2021 minutes contained in the committee packet.

   MOTION: Steve Tuten made a motion to approve the February 18, 2021 minutes (Award Item 1). The motion was seconded by Wayne Young and approved unanimously by the Awards Committee (5-0).

   The Committee Members reviewed and discussed the following Awards Items 3-9:

2. **DEFERRED** - Request approval to award a change order to Garney Companies Inc., for the installation of the UV equipment and additional pre-construction services as part of the Southwest Water Reclamation Facility (WRF) Expansion in the amount of $3,206,159.00, for a new not-to-exceed amount of $6,700,300.00, subject to the availability of lawfully appropriated funds.

3. 009-21 – Request approval to award a contract to Williams Industrial Services for construction services for Twin Creeks Reclaimed Water Re-Pump Station Improvements - Phase II project in the amount of $4,584,949.07, subject to the availability of lawfully appropriated funds.

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

4. Request approval to award a sole source award to Message Broadcast for Customer Alerts and Preferences in the amount of $1,809,000.00, subject to the availability of lawfully appropriated funds.

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

5. 1410261453- Request approval to rescind this solicitation, and reject all Responses received in anticipation of rebidding.

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

6. 1410242847 – Request approval to award a contract to Superior Row Services, LLC, for the construction of the Forest Trail Patrol Road in the amount of $449,463.59, subject to the availability of lawfully appropriated funds.

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

7. Request approval to award a change order to Hazen and Sawyer for additional design and engineering services during construction for the Arlington East Water Reclamation Facility (WRF) Upgrades Project in the amount of $7,137,148.00, for a new not-to-exceed amount of $8,029,458.00, subject to the availability of lawfully appropriated funds.

   MOTION: Steve Tuten made a motion to approve Award Item 7 as presented in the committee packet. The motion was seconded by Baley Brunell and approved unanimously by the Awards Committee (5-0).

8. 008-21 – Request approval to award a contract to Sunbelt Rentals, Inc. for portable pump rental in the amount of $563,640.00, subject to the availability of lawfully appropriated funds.

   MOTION: Steve Selders made a motion to approve Award Item 8 as presented in the committee packet. The motion was seconded by Joe Orfano and approved unanimously by the Awards Committee (5-0).

9. Request approval to award payment to Florida Department of Transportation for the Edgewood Ave. South Resurfacing from US 17 to Cassat Ave. project in the amount of $154,563.32, subject to the availability of lawfully appropriated funds.

   MOTION: Steve Tuten made a motion to approve Award Item 9 as presented in the committee packet. The motion was seconded by Steve Selders 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 11:35 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 March 4, 2021

Type of Award Request: CONTRACT ASSIGNMENT (PARTIAL)
Request #: 95
Requestor Name: Yeager, Chad
Requestor Phone: 904-813-8504
Project Title: Recycling, Solid Waste Hauling, and Disposal Services
Project Number: HEA0420
Project Location: JEA
Funds: O&M
Budget Estimate: $62,000.00
Scope of Work:
The purpose of this Agreement is to provide recycling, solid waste hauling, and disposal services for JEA. The work performed by the company includes all labor, supervision, materials, tools and equipment as necessary for performing the work.

JEA IFB/RFP/State/City/GSA#: 090-16
Purchasing Agent: Roddy, Colin Patrick
Is this a Ratification?: No
RECOMMENDED AWARDEES:

Name	Vendor Contact	Email	Address	Phone	Amount
GFL SOLID WASTE SOUTHEAST LLC	Kari Nie	kari.nie@gflenv.com	7580 Philips Highway, Jacksonville, FL, 32256	904-760-5880	$62,000.00

Amount of Original Award: $3,739,067.28
Date of Original Award: 08/04/2016
Assignment Adjustment Amount: $62,000.00
Advanced Disposal New Not-To-Exceed Amount: $3,677,067.28
GFL New Not-To-Exceed Amount: $62,000.00
Length of Contract/PO Term: Five (5) Years w/ One (1) – 1 Yr. Renewal
Begin Date (mm/dd/yyyy): 08/17/2016
End Date (mm/dd/yyyy): 08/16/2021
Renewal Options: One (1) – 1 Yr. Renewal
JSEB Requirement: N/A – No JSEB available

Background/Recommendation:
Originally bid and approved by the Awards Committee on 08/04/2016 to Advanced Disposal Services Jacksonville, LLC in the amount of $3,739,067.28. The original award item is attached for reference.

As a condition to obtaining regulatory approval for the merger of a Waste Management, Inc. subsidiary and Advanced Disposal Services, Inc., Waste Management, Inc. was required by the U.S. Department of Justice and various State Attorneys General to divest of certain assets. The divestitures were required by the U.S. Department

of Justice in order to remedy the anticompetitive effects that the U.S. Department of Justice alleged would otherwise result from Waste Management's acquisition of Advanced Disposal Services, Inc.

The Waste Management, Inc. and Advanced Disposal Services, Inc. merger closed effective October 30, 2020 and on that same date, in compliance with the U.S. Department of Justice order, Waste Management, Inc. divested and GFL Solid Waste Southeast, LLC acquired those assets that the U.S. Department of Justice identified as necessary to be divested. Some of the assets that GFL Solid Waste Southeast, LLC acquired as part of this transaction, were acquired via an asset acquisition whereby Waste Management, Inc. retained the legal entity but sold certain of the entity's contracts and assets that U.S. Department of Justice required to be sold. In those cases, where a contract requires consent to an assignment, Waste Management, Inc. and Advanced Disposal Services, Inc. and GFL Solid Waste Southeast, LLC have sought consents from customers to assign the contract to effectuate the transfer of assets.

As it relates to JEA, the assets that Waste Management, Inc. divested and GFL Solid Waste Southeast, LLC acquired were the front load dumpster scope in Duval County, due to risks of monopoly/duopoly. The Investment Recovery team estimates that the scope of these services will cost JEA $62,000.00 until the initial term of the contract expires on 08/16/2021. The rest of the contracted scope will remain with Advanced Disposal Services, Inc. until the current contract term ends on 08/16/2021.

Request approval to partially assign the previously awarded Advanced Disposal Services of Jacksonville, LLC for JEA's Recycling, Solid Waste Hauling, and Disposal Services requirements in the amount of $62,000.00 to GFL Solid Waste Southeast, LLC, subject to the availability of lawfully appropriated funds.

Manager: Pearson, Kenny – Procurement Category Manager
Director: McCollum, Jenny – Director, Procurement Services
Chief: McElroy, Alan – VP Supply Chain & Operations

APPROVALS:

_____

Chairman, Awards Committee **Date**

_____

Budget Representative **Date**

Approved by the JEA Awards Committee
Date 8/4/16 Item # 3

Formal Bid and Award System

Award #3 August 4, 2016

Type of Award Request:	INVITATION TO NEGOTIATE (ITN)
Request #:	603
Requestor Name:	Dorn, Sandra C.
Requestor Phone:	(904) 665-4147
Project Title:	RECYCLING, SOLID WASTE HAULING AND DISPOSAL SERVICES
Project Number:	30800
Project Location:	JEA
Funds:	O&M
Award Estimate:	$2,160,000.00

Description of Request:

The purpose of this Solicitation is to establish pricing for Recycling, Solid Waste Hauling and Disposal Services for JEA sites. The work to be performed by the company includes all labor, supervision, materials, tools and equipment as necessary for performing the work. The company will be expected to provide all containers with the exception of one (1) compactor owned by JEA.

Requisition Number:	
JEA IFB/RFP/State/City/GSA#:	090-16
Purchasing Agent:	Lovgren, Rodney Dennis
Is this a Ratification?:	NO

RECOMMENDED AWARDEE(S): 157124

Name	Contact Name	Email	Address	Phone	Amount
Advanced Disposal Services Jacksonville, LLC	Derrick Redding	Derick.Redding@Advanceddisposal.com	7580 Phillips Hwy Jacksonville, FL 32256	(904) 783-7000	$3,739,067.28

Amount for entire term of Contract/PO:	$3,739,067.28
Award Amount for remainder of this FY:	$78,624.00
Length of Contract/PO Term:	Five (5) Years w/One (1) – 1 Yr. Renewal
Begin Date (mm/dd/yyyy):	08/12/2016
End Date (mm/dd/yyyy):	08/11/2021
Renewal Options:	YES – One (1) – 1 Yr. Renewal
JSEB Requirement:	N/A – No JSEB available; Specialty Services

BIDDER:

Name	First Round	First Round Score	BAFO	Score	Disqualified
ADVANCED DISPOSAL SERVICES JACKSONVILLE, LLC	$3,739,067.28	82.3	$3,739,067.28	82.3	NO
REPUBLIC SERVICES OF FLORIDA, LIMITED PARTNERSHIP	$5,084,500.40	71.8	$4,958,297.84	78.3	NO
WASTE MANAGEMENT INC OF FLORIDA	$5,561,795.07	58.4	N/A	N/A	NO

Background/Recommendations:

Advertised 5/18/2016. Five (5) vendors attended the optional pre-bid meeting. At bid opening on 6/14/2016, JEA received three (3) proposals. The submitted proposals were independently evaluated and scored. Two (2) companies, Republic and Advanced Disposal, were invited to submit Best and Final Offers (B.A.F.O.) due on 7/7/2016.

After receipt of the B.A.F.O., the scoring was re-calculated, and the highest ranked bidder was Advanced Disposal Services. Advanced elected to keep their first round pricing submission in the Best and Final Offer. The evaluation matrix and Bid Workbook are attached as backup.

The attached pricing analysis shows a 20.9% increase in a price comparison with the current contract. This increase includes the seventeen percent (17%) franchise fee which the previous contractor was absorbing in their unit prices. The franchise fee is a City of Jacksonville percentage of gross revenue fee charged to waste hauling companies. The award amount is seventy-three percent (73%) more than the estimate due to price increases; volume forecast error and adjustments in the landfill rates (which are pass through costs).

090-16 - Request approval to award a contract to Advanced Disposal Services Jacksonville, LLC for Recycling, Solid Waste Hauling and Disposal Services in the amount of $3,739,067.28 subject to the availability of lawfully approved funds.

Manager: Freudenthal, C. Ann - Manager, Project Support & Controls
Director: Zahir, Hamid A. - Director Shared Services
VP: Dykes, Melissa H. - Chief Financial Officer

APPROVALS:

8-4-16

Chairman, Awards Committee **Date**

8/4/16

Manager, Capital Budget Planning **Date**

APPENDIX B RESPONSE FORM
090-16 RECYCLING, SOLID WASTE HAULING AND DISPOSAL SERVICES

The Response shall submit one (1) original Response, three (3) duplicates (hardcopies), and one (1) CD or Flash Drive. The electronic version shall have the word tracked changes version of any terms and conditions comments and excel quotation of rates workbook. If there is a discrepancy between the electronic copy and hard copy, the hard copy will prevail. JEA will not accept Proposals transmitted via email.

RESPONDENT INFORMATION:

COMPANY NAME: Advanced Disposal Services Jacksonville, LLC.
BUSINESS ADDRESS: 7580 Phillips Hwy
CITY, STATE, ZIP CODE: Jacksonville, FL. 32256
TELEPHONE: 904-783-7000
FAX: 904-731-8952
EMAIL ADDRESS: JacksonvilleFL@advanceddisposal.com

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 it's 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.

Total From Response Rates Workbook	$ 3,739,067.28

We have received addenda 1 through 3

Signature of Authorize Officer of Respondent or Agent — Date: 6-13-16

Derick Redding General Manager — Printed Name & Title

904-731-3440 — Phone Number

EVALUATION SUMMARY MATRIX FIRST ROUND

	Evaluators			Buyer	RODNEY LOVGREN			Delta from Base	Price
Vendor Rankings	Freudenthal	Zander	Ryan	TOTALS	Average	Rank	5 year		Pts
Advanced	75.0	87.0	85.0	247.0	82.3	1	$ 3,739,067.28	$ -	65.0
WM	47.7	63.7	63.7	175.1	58.4	3	$ 5,561,795.07	$ 1,822,727.79	43.7
Republic	63.8	79.8	71.8	215.4	71.8	2	$ 5,084,500.40	$ 1,345,433.12	47.8

Freudenthal	Quotation of Rates (65 points) Buyer	Ability to Design & Additional Functionality (35 points)	Total	Rank
Advanced	65.0	10.0	75.0	1
WM	43.7	4.0	47.7	3
Republic	47.8	16.0	63.8	2

Zander	Quotation of Rates (65 points) Buyer	Ability to Design & Additional Functionality (35 points)	Total	Rank
Advanced	65.0	22.0	87.0	1
WM	43.7	20.0	63.7	3
Republic	47.8	32.0	79.8	2

Ryan	Quotation of Rates (65 points) Buyer	Ability to Design & Additional Functionality (35 points)	Total	Rank
Advanced	65.0	20.0	85.0	1
WM	43.7	20.0	63.7	3
Republic	47.8	24.0	71.8	2

Overall Averages	Quotation of Rates (65 points) Buyer	Ability to Design & Additional Functionality (35 points)	Total
Advanced	65.0	17.3	82.3
WM	43.7	14.7	58.4
Republic	47.8	24.0	71.8

EVALUATION SUMMARY MATRIX BAFO ROUND

	Evaluators			Buyer	RODNEY LOVGREN			Delta from Base	Price
Vendor Rankings	Freudenthal	Zander	Ryan	TOTALS	Average	Rank			
Advanced	75.0	87.0	85.0	247.0	82.3	1	$ 3,739,067.28		65
Republic	77.0	81.0	77.0	235.0	78.3	2	$ 4,958,297.84	$ 1,219,230.56	49.0

Freudenthal	Quotation of Rates (65 points) Buyer	Ability to Design & Additional Functionality (35 points)	Total	Rank
Advanced	65.0	10.0	75.0	2
Republic	49.0	28.0	77.0	1

Zander	Quotation of Rates (65 points) Buyer	Ability to Design & Additional Functionality (35 points)	Total	Rank
Advanced	65.0	22.0	87.0	1
Republic	49.0	32.0	81.0	2

Ryan	Quotation of Rates (65 points) Buyer	Ability to Design & Additional Functionality (35 points)	Total	Rank
Advanced	65.0	20.0	85.0	1
Republic	49.0	28.0	77.0	2

Overall Averages	Quotation of Rates (65 points) Buyer	Ability to Design & Additional Functionality (35 points)	Total
Advanced	65.0	17.3	82.3
Republic	49.0	29.3	78.3

	First Round	BAFO
Advanced	$ 3,739,067.28	$ 3,739,067.28
Republic	$ 5,084,500.40	$ 4,958,297.84

3c

APPENDIX B RESPONSE FORM
090-16 RECYCLING, SOLID WASTE HAULING AND DISPOSAL SERVICES

The Response shall submit one (1) original Response, three (3) duplicates (hardcopies), and one (1) CD or Flash Drive. The electronic version shall have the word tracked changes version of any terms and conditions comments and excel quotation of rates workbook. If there is a discrepancy between the electronic copy and hard copy, the hard copy will prevail. JEA will not accept Proposals transmitted via email.

RESPONDENT INFORMATION:

COMPANY NAME: Advanced Disposal Services Jacksonville, LLC.
BUSINESS ADDRESS: 7580 Phillips Hwy.
CITY, STATE, ZIP CODE: Jacksonville, FL. 32256
TELEPHONE: 904-783-7000
FAX: 904-731-8952
EMAIL ADDRESS: JacksonvilleFL@advanceddisposal.com

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 it's 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.

Total From Response Rates Workbook	$ 3,739,067.28

We have received addenda 1 through 3

Signature of Authorize Officer of Respondent or Agent

6-13-16
Date

Derick Redding General Manager
Printed Name & Title

904-731-3440
Phone Number

090-16 Recycling, Solid Waste Hauling and Disposal

Instructions: Fill in all cells that are highlighted YELLOW. The Numbers provided are to be used as guidelines and are not a guarantee of work. Number and size of containers and number of Monthly Pulls and Pick-Ups may be modified by JEA.

Type/Size Container		Total Estimated Number of Pulls per Week	Total Estimated Number of Pulls per Month	Bid Amount per Pull or Pick Up	Estimated Cost per Year	Five Year Amount
Front Load (size 2 yard)	See Attached Site Locations for number and locations.	12	N/A	$ 4.00	$ 2,496.00	$ 12,480.00
Front Load (size 4 yard)	See Attached Site Locations for number and locations.	43	N/A	$ 8.00	$ 17,888.00	$ 89,440.00
Front Load (size 6 yard)	See Attached Site Locations for number and locations.	27	N/A	$ 12.00	$ 16,848.00	$ 84,240.00
Front Load (size 8 yard)	See Attached Site Locations for number and locations.	63	N/A	$ 16.00	$ 52,416.00	$ 262,080.00
Roll Offs (20 yard)	This is in anticipation of a need for this size container.	N/A	88	$ 135.00	$ 142,560.00	$ 712,800.00
Roll Offs (30 yard)	See Attached Site Locations for number and locations.	N/A	24	$ 135.00	$ 38,880.00	$ 194,400.00
Roll Offs (40 yard)	See Attached Site Locations for number and locations.	N/A	2	$ 135.00	$ 3,240.00	$ 16,200.00
Compactor Container (30 yard) provided by JEA	See Attached Site Locations for number and location.	N/A	4	$ 135.00	$ 6,480.00	$ 32,400.00
					Five Year Bid Amount for Container (FYBAC):	$ 1,404,040.00

Disposal Rate Calculation for Roll Off Containers (Included for completeness.)

The estimated numbers provided are to be used as guidelines and are not a guarantee of work. Landfill charges for Roll Off Containers will be reimbursed on a dollar for dollar basis, with no mark-up. Receipt and/or dump ticket will be required with invoice.

Waste Type	Estimated Disposal Rate per Ton		Estimated Tonnage per month		Estimated Monthly Costs	Estimated Cost per year	Five Year Amount
Solid Waste	$ 29.87	X	890	=	$ 26,584.30	$ 319,011.60	$ 1,595,058.00
Construction Debris	$ 46.83	X	70	=	$ 3,278.10	$ 39,337.20	$ 196,686.00
					Five Year Disposal Rate Totals (FYDRT):		$ 1,791,744.00
The Franchise Fee of 17% is not included in the above unit price or the per ton disposal price. The Franchise Fee is calculated at 17% of the total receipts = .17 (FYBAC + FYDRT)							$ 543,283.28
This is the Five Year calculated amount of bid plus the estimated disposal rate per year (Transfer this amount to the Response Form)							$ 3,739,067.28

090-16 Recycling, Solid Waste Hauling and Disposal

Instructions: Fill in all cells that are highlighted YELLOW. The Numbers provided are to be used as guidelines and are not a guarantee of work. Number and size of containers and number of Monthly Pulls and Pick-Ups may be modified by JEA.

Type/Size Container		Total Estimated Number of Pulls per Week	Total Estimated Number of Pulls per Month	Current Contract - Advanced: Unit Price	Current Contract - Advanced: Extended totals	1ST ROUND Advanced Disposal: Advanced	1ST ROUND Advanced Disposal: Extended totals	Advanced pricing including Franchise Fee: Advanced including Franchise Fee	Advanced pricing including Franchise Fee: Extended totals
Front Load (size 2 yard)	See Attached Site Locations for number and locations.	12	N/A	$ 4.93	$ 15,581.60	$ 4.00	$ 12,480.00	$ 4.68	$ 14,601.60
Front Load (size 4 yard)	See Attached Site Locations for number and locations.	43	N/A	$ 13.93	$ 155,737.40	$ 8.00	$ 89,440.00	$ 9.36	$ 104,644.80
Front Load (size 6 yard)	See Attached Site Locations for number and locations.	27	N/A	$ 16.93	$ 118,848.60	$ 12.00	$ 84,240.00	$ 14.04	$ 98,560.80
Front Load (size 8 yard)	See Attached Site Locations for number and locations.	63	N/A	$ 17.93	$ 293,693.40	$ 16.00	$ 262,080.00	$ 18.72	$ 306,633.60
Roll Offs (20 yard)	This is in anticipation of a need for this size container.	N/A	88	$ 100.00	$ 528,000.00	$ 135.00	$ 712,800.00	$ 157.95	$ 833,976.00
Roll Offs (30 yard)	See Attached Site Locations for number and locations.	N/A	24	$ 100.00	$ 144,000.00	$ 135.00	$ 194,400.00	$ 157.95	$ 227,448.00
Roll Offs (40 yard)	See Attached Site Locations for number and locations.	N/A	2	$ 100.00	$ 12,000.00	$ 135.00	$ 16,200.00	$ 157.95	$ 18,954.00
Compactor Container (30 yard) provided by JEA	See Attached Site Locations for number and location.	N/A	4	$ 139.00	$ 33,360.00	$ 135.00	$ 32,400.00	$ 157.95	$ 37,908.00
			Five Year Bid Amount for Container (FYBAC):		$ 1,301,021.00		$ 1,404,040.00		$ 1,642,726.80
						$ 103,019.00		$ 341,705.80	

Disposal Rate Calculation for Roll Off Containers (Included for completeness.

The estimated numbers provided are to be used as guidelines and are not a guarantee of work. Landfill charges for Roll Off Containers will be reimbursed on a dollar for dollar basis, with no mark-up. Receipt and/or dump ticket will be required with invoice.

Waste Type	Estimated Disposal Rate per Ton		Estimated Tonnage per month					
Solid Waste	$ 29.87	X	890	=	$ 1,595,058.00	$ 1,595,058.00	$ 1,595,058.00	
Construction Debris	$ 46.83	X	70	=	$ 196,686.00	$ 196,686.00	$ 196,686.00	
			Five Year Disposal Rate Totals (FYDRT):		$ 1,791,744.00	$ 1,791,744.00	$ 1,791,744.00	
The Franchise Fee of 17% is not included in the above unit price or the per ton disposal price. The Franchise Fee is calculated at 17% of the total receipts = .17 (FYBAC + FYDRT)						$ 543,283.28	$ 304,596.48	
This is the Five Year calculated amount of bid plus the franchise fee estimated disposal rate per year (Transfer this amount to the Response Form)					$ 3,092,765.00	20.9%	$ 3,739,067.28	$ 3,739,067.28

090-16 Recycling, Solid Waste Hauling and Disposal

Instructions: Fill in all cells that are highlighted YELLOW. The Numbers provided are to be used as guidelines and are not a guarantee of work. Number and size of containers and number of Monthly Pulls and Pick-Ups may be modified by JEA.

1 ROUND

BAFO RESPONSE

Type/Size Container		Total Estimated Number of Pulls per Week	Total Estimated Number of Pulls per Month	Waste Management WM	Waste Management WM EXTENDED PRICE	Republic Disposal Republic	Republic Disposal EXTENDED PRICE	Republic Disposal REPUBLIC DISPOSAL	Republic Disposal REPUBLIC EXTENDED
Front Load (size 2 yard)	See Attached Site Locations for number and locations.	12	N/A	$ 24.88	$ 77,625.60	$ 8.87	$ 27,674.40	$ 8.06	$ 25,147.20
Front Load (size 4 yard)	See Attached Site Locations for number and locations.	43	N/A	$ 24.45	$ 273,351.00	$ 17.93	$ 200,457.40	$ 16.60	$ 185,588.00
Front Load (size 6 yard)	See Attached Site Locations for number and locations.	27	N/A	$ 37.00	$ 259,740.00	$ 25.59	$ 179,641.80	$ 24.30	$ 170,586.00
Front Load (size 8 yard)	See Attached Site Locations for number and locations.	63	N/A	$ 36.88	$ 604,094.40	$ 31.44	$ 514,987.20	$ 27.47	$ 449,958.60
Roll Offs (20 yard)	This is in anticipation of a need for this size container.	N/A	88	$ 243.58	$ 1,286,102.40	$ 215.60	$ 1,138,368.00	$ 215.60	$ 1,138,368.00
Roll Offs (30 yard)	See Attached Site Locations for number and locations.	N/A	24	$ 252.13	$ 363,067.20	$ 292.60	$ 421,344.00	$ 277.44	$ 399,513.60
Roll Offs (40 yard)	See Attached Site Locations for number and locations.	N/A	2	$ 260.68	$ 31,281.60	$ 300.30	$ 36,036.00	$ 300.30	$ 36,036.00
Compactor Container (30 yard) provided by JEA	See Attached Site Locations for number and location.	N/A	4	$ 277.77	$ 66,664.80	$ 170.50	$ 40,920.00	$ 170.50	$ 40,920.00
			Five Year Bid Amount for Container (FYBAC):		$ 2,961,927.00		$ 2,559,428.80		$ 2,446,117.40

Disposal Rate Calculation for Roll Off Containers (Included for completeness.

The estimated numbers provided are to be used as guidelines and are not a guarantee of work. Landfill charges for Roll Off Containers will be reimbursed on a dollar for dollar basis, with no mark-up. Receipt and/or dump ticket will be required with invoice.

Waste Type	Estimated Disposal Rate per Ton		Estimated Tonnage per month		Waste Management	Republic Disposal	Republic Disposal
Solid Waste	$ 29.87	X	890	=	$ 1,595,058.00	$ 1,595,058.00	$ 1,595,058.00
Construction Debris	$ 46.83	X	70	=	$ 196,686.00	$ 196,686.00	$ 196,686.00
			Five Year Disposal Rate Totals (FYDRT):		$ 1,791,744.00	$ 1,791,744.00	$ 1,791,744.00
The Franchise Fee of 17% is not included in the above unit price or the per ton disposal price. The Franchise Fee is calculated at 17% of the total receipts = .17 (FYBAC + FYDRT)					$ 808,124.07	$ 739,699.38	$ 720,436.44
This is the Five Year calculated amount of bid plus the franchise fee estimated disposal rate per year (Transfer this amount to the Response Form)					49% $ [illegible]	$ [illegible]	33% $ [illegible]

Front Load Dumpster Services Budget Estimate	
Year	Total amount spent
Budget Estimate	$62,000.00
2020	$62,760.48
2019	$60,974.28
2018	$55,196.03
2017	$54,115.48
Total	$233,046.27
Average	$58,261.57

Formal Bid and Award System

Award #3 March 4, 2021

Type of Award Request: CONTRACT AMENDMENT
Requestor Name: Boree, Allan D.
Requestor Phone: 904-665-4468
Project Title: JEA Nassau Regional Water Treatment Plant (WTP) Wellhead No. 3 and Water Main Improvements
Project Number: 8004327
Project Location: JEA
Funds: Capital
Budget Estimate: N/A
Scope of Work:

The Nassau Regional WTP is located at 96362 Piedmont Dr., Fernandina Beach, FL 32034. Its current annual average daily flow (AADF) is 1.47 MG and 12-month maximum day flow (MDF) is 2.53 MG. It is served by two 2,000 GPM wells. Since the Nassau grid is not well interconnected and other water plants cannot sustain system pressure during peak demand season if the Nassau Regional WTP is down, this plant needs to be running at capacity. A backup well is needed to ensure JEA can maintain required system pressure in the Nassau grid.

JEA IFB/RFP/State/City/GSA#: 092-19
Purchasing Agent: King, David
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
WILLIAMS INDUSTRIAL SERVICES, INC.	Jason Arnett	jarnett@wisgrp.com	591 Pickettville Rd., Jacksonville, FL 32220	(904) 696-9994	$63,879.69

Amount of Original Award: $1,804,630.00
Date of Original Award: 08/08/2019
Contract Increase Amount: $63,879.69
List of Previous Change Order/Amendments:

CPA #	Amount	Date	Reason
183900	$180,300.00	11/18/2019	Costs related to accelerated schedule

New Not-To-Exceed Amount: $2,048,809.69
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 09/16/2019
End Date (mm/dd/yyyy): Project Completion (Expected: 03/2021)
JSEB Requirement: Five Percent (5%) Goal
Comments on JSEB Requirements:

Mac Industrial (Pipe Materials) - 5%

Background/Recommendations:

Originally bid and approved by Awards Committee on 08/08/2019 in the amount of $1,804,630.00 to Williams Industrial Services, Inc. A copy of the original award document is attached as backup. On 11/18/2019, JEA approved an administrative increase of $180,300.00 to cover costs associated with an accelerated schedule that shortened the substantial completion of the project by four (4) months.

The contract included a new 12" raw water main from the new well to Amelia Concourse crossing, repurposing the finished water line to a raw water line to the plant, and installing a new 24" finished water main back to Amelia Concourse.

There were several unknown underground pipes in Amelia Concourse that had to be crossed, which added additional fittings and pipe, and additional concrete gutter, sidewalk, landscaping repair, and road repairs due to relocation of the piping. Some of this cost was offset by original contract work that was credited back to JEA, and the change order is for the remainder of this work. The net changes will increase the contract by $63,879.69.

Request approval to award a contract amendment to Williams Industrial Services, Inc. for additional work on the JEA Nassau Regional Water Treatment Plant Wellhead No. 3 and Water Main Improvements Project in the amount of $63,879.69, for a new not-to-exceed amount of $2,048,809.69, subject to the availability of lawfully appropriated funds.

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

APPROVALS:

_____

Chairman, Awards Committee **Date**

_____

Budget Representative **Date**

Approved by the JEA Awards Committee
Date 8-8-19 Item# 8

Formal Bid and Award System

Award #8 August 8, 2019

Type of Award Request:	BID (IFB)
Request #:	6574
Requestor Name:	Boree, Allan D.
Requestor Phone:	(904) 665-4468
Project Title:	JEA Nassau Regional Water Treatment Plant (WTP) Wellhead No. 3 and Water Main Improvements
Project Number:	8004327
Project Location:	JEA
Funds:	Capital
Budget Estimate:	$1,983,000.00

Scope of Work:

The Nassau Regional WTP is located at 96362 Piedmont Dr., Fernandina Beach, FL 32034. Its current annual average daily flow (AADF) is 1.47 MG and 12-month maximum day flow (MDF) is 2.53 MG. It is served by two 2,000 GPM wells. Since the Nassau grid is not well interconnected and other water plants cannot sustain system pressure during peak demand season if the Nassau Regional WTP is down, this plant needs to be running at capacity. A backup well is needed to ensure JEA can maintain required system pressure in the Nassau grid.

The new well is forty percent (40%) complete. The scope of this request is to construct the associated wellhead (pump discharge piping and controls) and 4,240 linear feet (LF) of water main improvements.

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

- Customer Value: the system upgrades provide raw water supply redundancy which minimize system outages 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: The addition of one new water supply well will assist in maintaining raw water supply and water quality to the water system while minimizing the environmental impact to the existing Floridan Aquifer.
- Financial Value: Planned and timed upgrades to the 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#:	092-19
Purchasing Agent:	King, David
Is this a Ratification?:	NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
WILLIAMS INDUSTRIAL SERVICES, INC.	Jason Arnett	jarnett@wisgrp.com	591 Pickettville Rd., Jacksonville, FL 32220	(904) 696-9994	$1,804,630.00

Amount for entire term of Contract/PO: $1,804,630.00

Award Amount for remainder of this FY: $50,000.00
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 09/16/2019
End Date (mm/dd/yyyy): Project Completion (Expected: 03/2021)
JSEB Requirement: Ten Percent (5%) Goal
Comments on JSEB Requirements:
Mac Industrial (Pipe Materials) - 5%

BIDDERS:

Name	Amount
WILLIAMS INDUSTRIAL SERVICES, INC.	$1,804,630.00
SAWCROSS, INC.	$2,003,524.00

Background/Recommendations:
Advertised on 06/13/2019. Four (4) prime contractors attended the mandatory pre-bid meeting held on 06/24/2019. At Bid opening on 07/30/2019, JEA received two (2) Bids. One of the no-bids indicated they were too busy to bid; the other did not meet minimum qualifications. Williams Industrial Services, Inc. is the lowest responsive and responsible Bidder. A copy of the Bid Form and workbook are attached as backup.

The award amount of $1,804,630.00 is approximately nine percent (9%) lower than the budget estimate and deemed reasonable. Any excess capital funds will be returned to the capital project holding accounts, after project completion.

The project details are below:

- Original Project Budget: $2,735,300.00
  - Engineering Estimate: $475,000.00
  - Construction Estimate: $1,938,300.00
  - Internal JEA Costs: $322,000.00
- Revised Budget: $2,796,050.00 (100% Design)
  - Revised Engineering Cost: $673,553.00 (Design firm: CH2M, 35% of Estimated Construction Costs)
  - Revised Construction Cost: $1,938,300.00
  - Revised Internal JEA Costs: $184,197.00
- Estimate at Completion: $2,662,380.00
  - Engineering Cost: $673,553.00
  - **Actual Construction Cost: $1,804,630.00 (this Award)**
  - Internal JEA Costs: $184,197.00
- Original Project Schedule:
  - Engineering Completion: December 2017
  - Construction Completion: August 2018
- Revised Project Schedule:
  - Engineering Completion: April 2019
  - Construction Completion: March 2021

Major Changes/Issues:
Project involved the addition of a new 24 inch plant effluent main as requested by O&M and approved by JEA team. Also, this project was delayed for approximately 12 months due to Nassau County road crossing approval.

092-19 – Request approval to award a contract to Williams Industrial Services, Inc. for construction services for JEA Nassau Regional WTP Wellhead No. 3 and Water Main Improvements in the amount of $1,804,630.00, subject to the availability of lawfully appropriated funds.

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

APPROVALS:

[signature] 8/8/19

Chairman, Awards Committee **Date**

[signature] 08/08/2019

Financial Analyst,

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

Appendix B - Bid Form
092-19 JEA Nassau Regional WTP Wellhead No. 3 and Water Main Improvements

Submit an **original, two (2) copies and one (1) thumb drive** along with other required forms in a sealed envelope to: JEA Procurement Dept., 21 W. Church St., Bid Office, Customer Center, 1st Floor, Room 002, Jacksonville, FL 32202-3139.

Company Name: Williams Industrial Services

Company's Address: 591 Pickettville Rd Jacksonville, Fl 32220

License Number: CGC1509613

Phone Number: 904-6916-9994 FAX No: 904-699-9997 Email Address: jarnett@wisgrp.com

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

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

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

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

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

INSURANCE REQUIREMENTS

Insurance required

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

ENTER YOUR BID FOR RFQ 092-19	TOTAL BID PRICE
Total Bid Price for the Project (enter total from cell F109 from the Bid Workbook)	$1,804,630.00

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

BIDDER'S CERTIFICATION

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

We have received addenda 1 through 2

Jason Arnett 7/30/19
Handwritten Signature of Authorized Officer of Company or Agent Date

Jason Arnett Project Manager
Printed Name and Title

Appendix B - Bid Workbook

Only complete the Prices in Yellow Cells

092-19 JEA Nassau Regional WTP Wellhead No. 3 and Water Main Improvements

BID ITEM No. 1 - WELLHEAD No. 3 AND 12-INCH RAW WATER MAIN						
Item No.	M&P Spec No.	Quantity	Units	Item Description	Unit Price	Cost
1	5.4*	1	LS	Wellhead No. 3	$ 481,031	$ 481,031
2	801.VIII	1,350	SY	Sodding	$ 13	$ 16,904
3	801.VIII	3,550	SY	Seeding & Mulching	$ 1	$ 3,231
4	801.X.2	1,795	SY	Remove Gravel Driveway	$ 13	$ 22,886
5	801.X.5	1,795	SY	Install 6-inch Gravel Driveway	$ 23	$ 40,657
6	801.XIII.1	2,165	LF	12-inch CLDI PC350 Raw Water Main	$ 98	$ 211,759
7	801.XIII.2	2	EA	12-inch 90° Bend R.M.J.	$ 663	$ 1,327
8	801.XIII.2	13	EA	12-inch 45° Bend R.M.J.	$ 624	$ 8,107
9	801.XIII.6	45	EA	12-inch CLDI Pipe Bell Restraints	$ 220	$ 9,916
10	801.XIII.13	3	EA	1-inch Temporary Sample Tap	$ 448	$ 1,344
11	801.XIV.2	2	EA	12-inch Gate R.M.J. Valve	$ 2,500	$ 5,000
12	5.9*	1	LS	Nassau WTP Instrumentation and Control Allowance	$ 25,000	$ 25,000
					BID ITEM No. 1 SUB-TOTAL	$ 827,160

BID ITEM No. 2 - BASE BID AMELIA CONCOURSE OPEN-CUT CROSSING (DWG. 05-Y-004BB)						
Item No.	M&P Spec No.	Quantity	Units	Item Description	Unit Price	Cost
13	801.VIII	700	SY	Sodding	$ 13	$ 8,765
14	801.VIII	125	SY	Seeding & Mulching	$ 1	$ 89
15	801.IX.1	120	SY	Pavement Removal	$ 19	$ 2,232
16	801.IX.2	37	SY	Paving Repair - Open Road Cut/Compacted Backfill	$ 133	$ 4,932
17	801.IX.2	83	SY	Paving Repair - Open Road Cut/Flowable Backfill	$ 81	$ 6,719
18	801.IX.6	1,370	SY	Existing Pavement - Milling and Resurfacing (1-1/4 inches)	$ 25	$ 33,673
19	801.X.2	30	SY	Remove Concrete Driveway	$ 19	$ 560
20	801.X.2	170	SY	Remove Gravel Driveway	$ 13	$ 2,168
21	801.X.3	80	LF	Remove Curb and Gutter	$ 19	$ 1,492
22	801.X.5	30	SY	Install 6-inch Thick Concrete Driveway	$ 132	$ 3,950
23	801.X.5	170	SY	Install 6-inch Gravel Driveway	$ 19	$ 3,172
24	801.X.6	80	LF	Install Nassau County Standard Curb & Gutter	$ 41	$ 3,286
25	801.XIII.1	465	LF	12-inch CLDI PC350 Raw Water Main	$ 168	$ 78,283
26	801.XIII.2	3	EA	12-inch 90° Bend R.M.J.	$ 665	$ 1,994
27	801.XIII.2	1	EA	12-inch 45° Bend R.M.J.	$ 624	$ 624
28	801.XIII.2	1	EA	12-inch 22.5° Bend R.M.J.	$ 600	$ 600
29	801.XIII.2	1	EA	12-inch 11.25° Bend R.M.J.	$ 588	$ 588
30	801.XIII.2	1	EA	16-inch x 12-inch Reducer R.M.J.	$ 859	$ 859
31	801.XIII.6	12	EA	12-inch CLDI Pipe Bell Restraints	$ 201	$ 2,410
32	801.XIII.13	1	EA	1-inch Temporary Sample Tap	$ 448	$ 448
33	801.XIV.2	1	EA	12-inch Gate R.M.J. Valve	$ 2,500	$ 2,500
34	801.XIV.6	1	EA	Connect to Existing 16-inch Water Main with new 16-inch R.M.J. Long Sleeve	$ 1,187	$ 1,187
35	5.7*	1	LS	Amelia Concourse Open-Cut Crossing MOT Allowance	$ 15,000	$ 15,000
					BID ITEM No. 2 SUB-TOTAL	$ 175,529

BID ITEM No. 3 - ALTERNATE BID AMELIA CONCOURSE HDD CROSSING DESIGN-BUILD (DWG. 05-Y-004AB)						
Item No.	M&P Spec No.	Quantity	Units	Item Description	Unit Price	Cost
36	5.5*	1	LS	Amelia Concourse HDD Crossing Design-Build	$ 140,452	$ 140,452
					BID ITEM No. 3 SUB-TOTAL	$ 140,452

BID ITEM No. 4 - 24-INCH FINISHED WATER MAIN						
Item No.	M&P Spec No.	Quantity	Units	Item Description	Unit Price	Cost
37	5.6*	1	LS	FP&L Primary Feeder Conduits	$ 23,968	$ 23,968
38	801.VIII	540	SY	Sodding	$ 13	$ 6,761
39	801.VIII	720	SY	Seeding & Mulching	$ 1	$ 515

40	801.IX.1	370	SY	Pavement Removal	$ 19	$ 6,883
41	801.IX.2	370	SY	Paving Repair - Open Road Cut/Compacted Backfill	$ 64	$ 23,532
42	801.IX.6	520	SY	Existing Pavement - Milling and Resurfacing (1-1/4 inches)	$ 53	$ 27,698
43	801.X.1	25	SY	Remove Sidewalk	$ 33	$ 814
44	801.X.2	150	SY	Remove Concrete Driveway	$ 22	$ 3,287
45	801.X.2	1,000	SY	Remove Gravel Driveway	$ 13	$ 12,750
46	801.X.3	50	LF	Remove Curb and Gutter	$ 19	$ 933
47	801.X.4	25	SY	Install 4-inch Thick Sidewalk	$ 97	$ 2,437
48	801.X.5	150	SY	Install 6-inch Thick Concrete Driveway	$ 121	$ 18,174
49	801.X.5	1,000	SY	Install 6-inch Gravel Driveway	$ 19	$ 18,656
50	801.X.6	50	LF	Install Nassau County Standard Curb & Gutter	$ 41	$ 2,054
51	801.XI	20	LF	Remove and Replace Fence Gate and Post	$ 199	$ 3,975
52	801.XIII.1	1,340	LF	24-inch CLDI PC200 Finished Water Main	$ 197	$ 264,248
53	801.XIII.1	20	LF	16-inch CLDI PC250 Finished Water Main	$ 89	$ 1,774
54	801.XIII.1	235	LF	12-inch CLDI PC350 Raw Water Main	$ 82	$ 19,341
55	801.XIII.2	2	EA	24-inch x 16-inch Reducer R.M.J.	$ 1,259	$ 2,518
56	801.XIII.2	1	EA	16-inch x 12-inch Reducer R.M.J.	$ 908	$ 908
57	801.XIII.2	1	EA	16-inch x 12-inch Reducer P.E.x R.M.J.	$ 712	$ 712
58	801.XIII.2	1	EA	24-inch x 24-inch x 24-inch Tee R.M.J.	$ 3,320	$ 3,320
59	801.XIII.2	2	EA	16-inch x 16-inch x 16-inch Tee R.M.J.	$ 1,925	$ 3,850
60	801.XIII.2	11	EA	24-inch 45° Bend R.M.J.	$ 2,162	$ 23,787
61	801.XIII.2	9	EA	24-inch 22.5° Bend R.M.J.	$ 2,044	$ 18,397
62	801.XIII.2	1	EA	24-inch Cap R.M.J.	$ 1,091	$ 1,091
63	801.XIII.2	2	EA	12-inch 90° Bend R.M.J.	$ 665	$ 1,329
64	801.XIII.2	4	EA	12-inch 45° Bend R.M.J.	$ 624	$ 2,495
65	801.XIII.2	6	EA	12-inch 22.5° Bend R.M.J.	$ 600	$ 3,599
66	801.XIII.6	52	EA	24-inch CLDI Pipe Bell Restraints	$ 865	$ 44,980
67	801.XIII.6	7	EA	12-inch CLDI Pipe Bell Restraints	$ 201	$ 1,406
68	801.XIII.9	1	EA	Water Service Replacement (Long Side)	$ 2,500	$ 2,500
69	801.XIII.13	5	EA	1-inch Temporary Sample Tap	$ 593	$ 2,967
70	801.XIV.2	1	EA	24-inch Gate R.M.J. Valve	$ 19,858	$ 19,858
71	801.XIV.2	3	EA	16-inch Gate R.M.J. Valve	$ 5,942	$ 17,825
72	801.XIV.6	2	EA	Connect to Existing 16-inch Water Main with new 16-inch R.M.J. Long Sleeve	$ 1,187	$ 2,373
73	801.XVI.4	2	EA	Remove and Replace Sewer Lateral Piping	$ 990	$ 1,979
				BID ITEM No. 4 SUB-TOTAL		$ 593,692

Bid Item No.	M&P Spec No.			Item Description	Base Bid	Alternate Bid
1				BID ITEM No. 1 - WELLHEAD No. 3 AND 12-INCH RAW WATER MAIN	$ 827,160	$ 827,160
2				BID ITEM No. 2 - BASE BID AMELIA CONCOURSE OPEN-CUT CROSSING (DWG. 05-Y-004BB)	$ 175,529	
3				BID ITEM No. 3 - ALTERNATE BID AMELIA CONCOURSE HDD CROSSING DESIGN-BUILD (DWG. 05-Y-004AB)		$ 140,452
4				BID ITEM No. 4 - 24-INCH FINISHED WATER MAIN	$ 593,692	$ 593,692
				BID CONSTRUCTION SUB-TOTAL	$ 1,596,382	$ 1,561,305

Bid Item No.	M&P Spec No.			Item Description	Base Bid	Alternate Bid
	5.10*			GENERAL/SPECIAL CONDITIONS (MAX. 10% OF BID CONSTRUCTION SUB-TOTAL)	$ 46,248	$ -
				GENERAL/SPECIAL CONDITIONS SUB-TOTAL	$ 46,248	$ -

Bid Item No.	M&P Spec No.			Item Description	Base Bid	Alternate Bid
	5.8*			NASSAU COUNTY CEI INSPECTIONS SERVICES ALLOWANCE	$ 52,000	$ 46,000
	2.16.1*			TESTING ALLOWANCE	$ 10,000	$ 10,000
	2.17.1*			SUPPLEMENTAL WORK ALLOWANCE	$ 100,000	$ 100,000
				ALLOWANCES SUB-TOTAL	$ 162,000	$ 156,000

TOTAL BASE BID AMOUNT (BASIS OF AWARD) ENTER THIS VALUE ON APPENDIX B - BID FORM, PAGE 1	$ 1,804,630
TOTAL ALTERNATE BID AMOUNT	$ 1,717,305

* Reference found in the Solicitation

JEA Nassau Regional WTP Wellhead No. 3 and Water Main Improvements

The scope of this project includes the construction of a 12 inch wellhead discharge piping including a turbine pump (approx. 75 hp), flow meter, pressure sensors and other monitoring and control elements; new FPL electric service; 2,500 LF of 12 inch ductile iron pipe (DIP); 1,400 LF of 24 inch DIP; 400 LF of 12 inch HDPE Horizontal Directional Drill (HDD) pipe; valves and fittings; and other system improvements.

Budget Milestones	Date	Engineering Budget	Construction Budget	*JEA Indirect Costs	Total Project Cost	Engineering Schedule	Construction Schedule	Major Change/Issue
Planning	April 2017	$475,000.00	$1,938,300.00	$322,000.00	$2,735,300.00	December 2017	August 2018	N/A
Engineering Bid	August 2017	$528,212.00	$1,938,300.00	$322,000.00	$2,788,512.00	April 2019	March 2020	Execution of Engineering Contract
100% Design	April 2019	$673,553.00	$1,938,300.00	$184,197.00	$2,796,050.00	April 2019	March 2021	Engineering scope change to add 24-inch plant effluent main. No real Estate cost involved, so JEA indirect cost is less.
Construction Bid (this award)	July 2019	$673,553.00	$1,804,630.00	$184,197.00	$2,662,380.00	April 2019	March 2021	Pending award to Williams Industrial Services, LLC
Estimate at Completion	**March 2021**	$673,553.00	$1,804,630.00	$184,197.00	$2,662,380.00	April 2019	March 2021	N/A

*Typical project indirect costs include:

a. Project Management (PEC or contract Project Manager labor)

b. Services During Construction (PEC or contract inspection labor)

c. Project Support (JEA labor charges from supporting groups such as Operations, Environmental, etc.)

d. Land & Rights (real estate labor and purchases)

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Project Name:
Nassau Regional WTP- Well No 3 Construction
JEA PROJECT NUMBER 8004327
2/4/2021

Calulation for Additional Funding Requested:

1. Total Contract Amount Authorized (see page 1 of 7)		$ 1,984,930.00
2. Material not constructed (see page 6 of 7)		$ 28,062.17
3. Total SWA value including materials constructed over estimated quantities	(see page 7 of 7)	$ 91,941.87
4. Adjusted Construction Value		$ 2,048,809.70
5. Current Additional Funding Required (item 4 minus item 1)		$ 63,879.70
6. Requested Additional Funding including potential added construction		$ 70,000.00

2/7

JEA
APPLICATION FOR PAYMENT

No. 12

Application Date 1/25/2021

JEA
Accounts Payable
P.O. Box 4910
Jacksonville, FL 32201-4910

Project Name:
Nassau Regional WTP- Well No 3 Construction
JEA PROJECT NUMBER 8004327

JEA Contract No. 183900
Contractor: WILLIAMS INDUSTRIAL SERVICES, LLC
Address: 100 CRESCENT CENTRE DRIVE, #1240
TUCKER, GA 30084
Phone: 904-696-9994

Contract Date		10/4/2019
Application Amount	$	48,703.12
For Period Beginning		12/4/2020
For Period Ending		1/25/2021

Base Contract excl. Change Orders and SWA's	$	1,704,630.00	1
Contract Amendments No. 1 through 1	$	180,300.00	2
Executed SWA's No. 1 through 12	$	191,941.87	3
SWA Allowance Remaining (of $100,000)	$	-91,941.87	4
Total Contract Amount Authorized	$	1,984,930.00	

CONTRACT AMT.

Application is made for payment, as hereinafter shown, in connection with this contract.

Contract to date:

Work in Place - see attached schedule	$	1,944,242.88	5
Stored Material - see attached schedule	$	0.00	6
Total Earned to Date - Gross Amount Due	$	1,944,242.88	7
Less Retainage Withheld	$	152,830.7	8
Net Amount Due to Date	$	1,791,412.13	9
Less Net Paid on Previous Applications	$	1,742,709.01	10
Amount Due This Application	**$**	**48,703.12**	11

This Period:

Work Complete this Period		51,266.44	12
Stored Material		0.00	13
Less Stored Material Last Payment Period		0.00	14
Earned this Period - Gross Due this Period		**51,266.44**	15
Less Retainage ---------->	5%	2,563.32	16
Retention Released this Application		0.00	17
Amount Due This Application		**48,703.12**	18

The undersigned Contractor hereby swears under penalty of perjury that (1) all items and amounts shown above are correct; (2) all work performed and materials supplied fully comply with the terms and conditions of the Contract Documents; (3) all previous progress payments received from the JEA on account of work performed under the contract and project authorization referred to above have been applied by the undersigned to discharge in full all obligations of the undersigned incurred in connection with work covered by prior Application for Payment under said contract and project authorization, being Application for Payment numbered 1 through _____ inclusive; and (4) title to all work, materials and equipment covered by this Application for Payment, whether incorporated in the Project or not, will pass to the owner upon receipt of such payment by the Contractor, free and clear of all liens, claims, security interests or encumbrances.

Date:

WILLIAMS INDUSTRIAL SERVICES, LLC
(Contractor)

By: _____
JASON ARNETT, PROJECT MANAGER

JEA APPROVALS

_____ Construction Inspector
Date

_____ Construction Manager (if applicable)
Date

_____ Project Manager
Date

PAYMEN No. 12
PERIOD 1/25/2021
APP. DA 1/25/2021

JEA
Nassau Regional WTP- Well No 3 Construction

Contractor: WILLIAMS INDUSTRIAL SERVICES, LLC
Address: 100 CRESCENT CENTRE DRIVE, #1240
TUCKER, GA 30084
Phone: 904-696-9994

JEA PROJECT NUMBER 8004327

LINE NO.	DESCRIPTION	UNIT TYPE	UNIT PRICE	SCHEDULED QTY	SCHEDULED VALUE	PREVIOUS QTY	PREVIOUS COMPLETED	THIS PERIOD QTY	THIS PERIOD VALUE	TO DATE VALUE	BALANCE VALUE
1. WELLHEAD NO.3 AND 12" RAW WATER MAIN											
1	Wellhead No. 3	LS	$ 507,974.82	100%	$ 507,974.82	95%	$ 481,767.77	5%	$ 26,207.05	$ 507,974.82	$ -
2	Sodding	SY	$ 12.52	1350	$ 16,903.69	0	$ -	1,350	$ 16,903.69	$ 16,903.69	$ -
3	Seeding & Mulching	SY	$ 1.91	3550	$ 6,780.50	0	$ -	3,550	$ 6,780.50	$ 6,780.50	$ -
4	~~Remove Gravel Driveway~~	SY	$ 12.75	1795	$ 22,886.25	1,732	$ 22,083.00	0	$ -	$ 22,083.00	$ 803.25
5	~~Install 6-inch Gravel Driveway~~	SY	$ 22.65	1795	$ 40,656.75	1,732	$ 39,229.80	0	$ -	$ 39,229.80	$ 1,426.95
6	12-inch CLDI PC350 Raw Water Main	LF	$ 105.58	2165	$ 228,580.70	2,165	$ 228,580.70	0	$ -	$ 228,580.70	$ -
7	12-inch 90° Bend R.M.J.	EA	$ 663.39	2	$ 1,326.78	2	$ 1,326.78	0	$ -	$ 1,326.78	$ -
8	12-inch 45° Bend R.M.J.	EA	$ 623.64	13	$ 8,107.29	13	$ 8,107.29	0	$ -	$ 8,107.29	$ -
9	12-inch CLDI Pipe Bell Restraints	EA	$ 220.35	45	$ 9,915.75	45	$ 9,915.75	0	$ -	$ 9,915.75	$ -
10	1-inch Temporary Sample Tap	EA	$ 448.01	3	$ 1,344.03	3	$ 1,344.03	0	$ -	$ 1,344.03	$ -
11	12-inch Gate R.M.J. Valve	EA	$ 2,499.88	2	$ 4,999.76	2	$ 4,999.76	0	$ -	$ 4,999.76	$ -
12	Nassau WTP Instrumentation and Control Allowance	LS	$ 25,000.00	100%	$ 25,000.00	100%	$ 25,000.00	0%	$ -	$ 25,000.00	$ -
TOTAL BID ITEM NO.1					**$ 874,476.31**		**$ 822,354.86**		**$ 49,891.24**	**$ 872,246.11**	**$ 2,230.20**

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PAYMEN No. 12
PERIOD 1/25/2021
APP. DA 1/25/2021

JEA
Nassau Regional WTP- Well No 3 Construction

Contractor: WILLIAMS INDUSTRIAL SERVICES, LLC
Address: 100 CRESCENT CENTRE DRIVE, #1240
TUCKER, GA 30084
Phone: 904-696-9994

JEA PROJECT NUMBER 8004327

LINE NO.	DESCRIPTION	UNIT TYPE	UNIT PRICE	SCHEDULED QTY	SCHEDULED VALUE	PREVIOUS QTY	PREVIOUS COMPLETED	THIS PERIOD QTY	THIS PERIOD VALUE	TO DATE VALUE	BALANCE VALUE
2. AMELIA CONCOURSE OPEN-CUT CROSSING											
13	Sodding	SY	$ 12.52	700	$ 8,764.88	700	$ 8,764.88	0	$ -	$ 8,764.88	$ -
14	~~Seeding & Mulching~~	SY	$ 1.72	125	$ 214.44	0	$ -	0	$ -	$ -	$ 214.44
15	Pavement Removal	SY	$ 18.60	120	$ 2,232.36	120	$ 2,232.36	0	$ -	$ 2,232.36	$ -
16	Paving Repair - Open Road Cut/Compacted Backfill	SY	$ 87.69	37	$ 3,244.53	37	$ 3,244.53	0	$ -	$ 3,244.53	$ -
17	Paving Repair - Open Road Cut/Flowable Backfill	SY	$ 444.00	83	$ 36,852.00	83	$ 36,852.00	0	$ -	$ 36,852.00	$ -
18	~~Existing Pavement - Milling and Resurfacing (1-1/4 inches)~~	SY	$ 20.00	1370	$ 27,400.00	1,155	$ 23,100.00	0	$ -	$ 23,100.00	$ 4,300.00
19	Remove Concrete Driveway	SY	$ 18.66	30	$ 559.68	30	$ 559.68	0	$ -	$ 559.68	$ -
20	Remove Gravel Driveway	SY	$ 12.75	170	$ 2,167.50	170	$ 2,167.50	0	$ -	$ 2,167.50	$ -
21	Remove Curb and Gutter	LF	$ 18.66	80	$ 1,492.48	80	$ 1,492.48	0	$ -	$ 1,492.48	$ -
22	Install 6-inch Thick Concrete Driveway	SY	$ 131.65	30	$ 3,949.50	30	$ 3,949.50	0	$ -	$ 3,949.50	$ -
23	Install 6-inch Gravel Driveway	SY	$ 18.66	170	$ 3,171.52	170	$ 3,171.52	0	$ -	$ 3,171.52	$ -
24	Install Nassau County Standard Curb & Gutter	LF	$ 66.60	80	$ 5,328.00	80	$ 5,328.00	0	$ -	$ 5,328.00	$ -
25	12-inch CLDI PC350 Raw Water Main	LF	$ 196.09	465	$ 91,181.85	465	$ 91,181.85	0	$ -	$ 91,181.85	$ -
26	12-inch 90° Bend R.M.J.	EA	$ 664.71	3	$ 1,994.14	3	$ 1,994.14	0	$ -	$ 1,994.14	$ -
27	12-inch 45° Bend R.M.J.	EA	$ 623.64	1	$ 623.64	1	$ 623.64	0	$ -	$ 623.64	$ -
28	~~12-inch 22.5° Bend R.M.J.~~	EA	$ 599.79	1	$ 599.79	0	$ -	0	$ -	$ -	$ 599.79
29	12-inch 11.25° Bend R.M.J.	EA	$ 587.86	1	$ 587.86	1	$ 587.86	0	$ -	$ 587.86	$ -
30	~~16-inch x 12-inch Reducer R.M.J.~~	EA	$ 859.05	1	$ 859.05	0	$ -	0	$ -	$ -	$ 859.05
31	12-inch CLDI Pipe Bell Restraints	EA	$ 200.84	12	$ 2,410.12	12	$ 2,410.12	0	$ -	$ 2,410.12	$ -
32	1-inch Temporary Sample Tap	EA	$ 448.01	1	$ 448.01	1	$ 448.01	0	$ -	$ 448.01	$ -
33	12-inch Gate R.M.J. Valve	EA	$ 2,499.88	1	$ 2,499.88	1	$ 2,499.88	0	$ -	$ 2,499.88	$ -
34	Connect to Existing 16-inch Water Main with new 16-inch R.M.J. Long Sleev	EA	$ 3,904.52	1	$ 3,904.52	1	$ 3,904.52	0	$ -	$ 3,904.52	$ -
35	~~Amelia Concourse Open-Cut Crossing MOT Allowance~~	LS	$ 15,000.00	100%	$ 15,000.00	99%	$ 14,890.00	0%	$ -	$ 14,890.00	$ 110.00
	TOTAL BID ITEM NO.2				**$ 215,485.74**		**$ 209,402.46**		**$ -**	**$ 209,402.46**	**$ 6,083.28**

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PAYMEN No. 12
PERIOD 1/25/2021
APP. DA 1/25/2021

JEA
Nassau Regional WTP- Well No 3 Construction

Contractor: WILLIAMS INDUSTRIAL SERVICES, LLC
Address: 100 CRESCENT CENTRE DRIVE, #1240
TUCKER, GA 30084
Phone: 904-696-9994

JEA PROJECT NUMBER 8004327

				SCHEDULED		PREVIOUS		THIS PERIOD		TO DATE	BALANCE
LINE NO.	DESCRIPTION	UNIT TYPE	UNIT PRICE	QTY	VALUE	QTY	COMPLETED	QTY	VALUE	VALUE	VALUE

				SCHEDULED		PREVIOUS		THIS PERIOD		TO DATE	BALANCE
LINE NO.	DESCRIPTION	UNIT TYPE	UNIT PRICE	QTY	VALUE	QTY	COMPLETED	QTY	VALUE	VALUE	VALUE
3. 24" FINISHED WATER MAIN											
37	FP&L Primary Feeder Conduits	LS	$ 19,500.00	100%	$ 19,500.00	100%	$ 19,500.00	0%	$ -	$ 19,500.00	$ -
38	Sodding	SY	$ 12.52	540	$ 6,761.48	540	$ 6,761.48	0	$ -	$ 6,761.48	$ -
39	Seeding & Mulching	SY	$ 1.91	720	$ 1,375.20	0	$ -	720	$ 1,375.20	$ 1,375.20	$ -
40	Pavement Removal	SY	$ 18.60	370	$ 6,883.11	370	$ 6,883.11	0	$ -	$ 6,883.11	$ -
41	Paving Repair - Open Road Cut/Compacted Backfill	SY	$ 87.69	370	$ 32,445.30	370	$ 32,445.30	0	$ -	$ 32,445.30	$ -
42	Existing Pavement - Milling and Resurfacing (1-1/4 inches)	SY	$ 30.00	520	$ 15,600.00	520	$ 15,600.00	0	$ -	$ 15,600.00	$ -
43	Remove Sidewalk	SY	$ 32.54	25	$ 813.55	25	$ 813.55	0	$ -	$ 813.55	$ -
44	Remove Concrete Driveway	SY	$ 21.92	150	$ 3,287.33	150	$ 3,287.33	0	$ -	$ 3,287.33	$ -
45	Remove Gravel Driveway	SY	$ 12.75	1000	$ 12,750.00	1,000	$ 12,750.00	0	$ -	$ 12,750.00	$ -
46	Remove Curb and Gutter	LF	$ 18.66	50	$ 932.80	50	$ 932.80	0	$ -	$ 932.80	$ -
47	Install 4-inch Thick Sidewalk	SY	$ 70.00	25	$ 1,750.00	25	$ 1,750.00	0	$ -	$ 1,750.00	$ -
48	~~Install 6-inch Thick Concrete Driveway~~	SY	$ 87.00	150	$ 13,050.00	90	$ 7,830.00	0	$ -	$ 7,830.00	$ 5,220.00
49	Install 6-inch Gravel Driveway	SY	$ 15.00	1000	$ 15,000.00	1,000	$ 15,000.00	0	$ -	$ 15,000.00	$ -
50	Install Nassau County Standard Curb & Gutter	LF	$ 66.60	50	$ 3,330.00	50	$ 3,330.00	0	$ -	$ 3,330.00	$ -
51	~~Remove and Replace Fence Gate and Post~~	LF	$ 198.75	20	$ 3,975.00	10	$ 1,987.50	0	$ -	$ 1,987.50	$ 1,987.50
52	24-inch CLDI PC200 Finished Water Main	LF	$ 227.69	1340	$ 305,104.60	1,340	$ 305,104.60	0	$ -	$ 305,104.60	$ -
53	16-inch CLDI PC250 Finished Water Main	LF	$ 140.33	20	$ 2,806.60	20	$ 2,806.60	0	$ -	$ 2,806.60	$ -
54	12-inch CLDI PC350 Raw Water Main	LF	$ 99.03	235	$ 23,272.05	235	$ 23,272.05	0	$ -	$ 23,272.05	$ -
55	24-inch x 16-inch Reducer R.M.J.	EA	$ 1,343.74	2	$ 2,687.48	2	$ 2,687.48	0	$ -	$ 2,687.48	$ -
56	16-inch x 12-inch Reducer R.M.J.	EA	$ 805.00	1	$ 805.00	1	$ 805.00	0	$ -	$ 805.00	$ -
57	16-inch x 12-inch Reducer P.E.x R.M.J.	EA	$ 650.00	1	$ 650.00	1	$ 650.00	0	$ -	$ 650.00	$ -
58	24-inch x 24-inch x 24-inch Tee R.M.J.	EA	$ 2,605.00	1	$ 2,605.00	1	$ 2,605.00	0	$ -	$ 2,605.00	$ -
59	~~16-inch x 16-inch x 16-inch Tee R.M.J.~~	EA	$ 1,400.00	2	$ 2,800.00	1	$ 1,400.00	0	$ -	$ 1,400.00	$ 1,400.00
60	24-inch 45° Bend R.M.J.	EA	$ 1,800.00	11	$ 19,800.00	11	$ 19,800.00	0	$ -	$ 19,800.00	$ -
61	~~24-inch 22.5° Bend R.M.J.~~	EA	$ 1,700.00	9	$ 15,300.00	7	$ 11,900.00	0	$ -	$ 11,900.00	$ 3,400.00

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PAYMEN No. 12
PERIOD 1/25/2021
APP. DA 1/25/2021

JEA
Nassau Regional WTP- Well No 3 Construction

Contractor: WILLIAMS INDUSTRIAL SERVICES, LLC
Address: 100 CRESCENT CENTRE DRIVE, #1240
TUCKER, GA 30084
Phone: 904-696-9994

JEA PROJECT NUMBER 8004327

LINE NO.	DESCRIPTION	UNIT TYPE	UNIT PRICE	SCHEDULED QTY	SCHEDULED VALUE	PREVIOUS QTY COMPLETED	PREVIOUS VALUE	THIS PERIOD QTY	THIS PERIOD VALUE	TO DATE VALUE	BALANCE VALUE
62	24-inch Cap R.M.J.	EA	$ 1,090.53	1	$ 1,090.53	1	$ 1,090.53	0	$ -	$ 1,090.53	$ -
63	12-inch 90° Bend R.M.J.	EA	$ 664.71	2	$ 1,329.43	2	$ 1,329.43	0	$ -	$ 1,329.43	$ -
64	12-inch 45° Bend R.M.J.	EA	$ 623.64	4	$ 2,494.55	4	$ 2,494.55	0	$ -	$ 2,494.55	$ -
65	~~12-inch 22.5° Bend R.M.J.~~	EA	$ 599.79	6	$ 3,598.73	3	$ 1,799.36	0	$ -	$ 1,799.36	$ 1,799.36
66	24-inch CLDI Pipe Bell Restraints	EA	$ 590.00	52	$ 30,680.00	52	$ 30,680.00	0	$ -	$ 30,680.00	$ -
67	12-inch CLDI Pipe Bell Restraints	EA	$ 200.84	7	$ 1,405.90	7	$ 1,405.90	0	$ -	$ 1,405.90	$ -
68	Water Service Replacement (Long Side)	EA	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00	0	$ -	$ 2,500.00	$ -
69	1-inch Temporary Sample Tap	EA	$ 593.45	5	$ 2,967.27	5	$ 2,967.27	0	$ -	$ 2,967.27	$ -
70	24-inch Gate R.M.J. Valve	EA	$ 19,857.87	1	$ 19,857.87	1	$ 19,857.87	0	$ -	$ 19,857.87	$ -
71	~~16-inch Gate R.M.J. Valve~~	EA	$ 5,941.83	3	$ 17,825.49	2	$ 11,883.66	0	$ -	$ 11,883.66	$ 5,941.83
72	Connect to Existing 16-inch Water Main with new 16-inch R.M.J. Long Sleev	EA	$ 4,477.26	2	$ 8,954.52	2	$ 8,954.52	0	$ -	$ 8,954.52	$ -
73	Remove and Replace Sewer Lateral Piping	EA	$ 989.59	2	$ 1,979.18	2	$ 1,979.18	0	$ -	$ 1,979.18	$ -
	TOTAL BID ITEM NO.4				**$ 607,967.95**		**$ 586,844.06**		**$ 1,375.20**	**$ 588,219.26**	**$ 19,748.69**

LINE NO.	DESCRIPTION	UNIT TYPE	UNIT PRICE	SCHEDULED QTY	SCHEDULED VALUE	PREVIOUS QTY COMPLETED	PREVIOUS VALUE	THIS PERIOD QTY	THIS PERIOD VALUE	TO DATE VALUE	BALANCE VALUE
5. GENERAL/MOB/ DEMOB/ BONDS/ PERMITS		LS	$ 125,000.00	100%	$ 125,000.00	100%	$ 125,000.00	0%	$ -	$ 125,000.00	$ -
6. ADDITIONAL ALLOWANCES											
1	NASSAU COUNTY CEI INSPECTIONS SERVICES ALLOWANCE	LS	$ 52,000.00	100%	$ 52,000.00	100%	$ 52,000.00	0%	$ -	$ 52,000.00	$ -
2	TESTING ALLOWANCE	LS	$ 10,000.00	100%	$ 10,000.00	100%	$ 10,000.00	0%	$ -	$ 10,000.00	$ -
	TOTAL ADDT'L ALLOWANCES				**$ 187,000.00**		**$ 187,000.00**		**$ -**	**$ 187,000.00**	**$ -**
	GRAND TOTALS				**$ 1,884,930.00**		**$ 1,805,601.39**		**$ 51,266.44**	**$ 1,856,867.83**	**$ 28,062.17**

MATERAL NOT CONSTRUCTED

6

PAYMENT: No. 12
PERIOD ENDING: 1/25/2021
APP. DATE: 1/25/2021

JEA
Nassau Regional WTP- Well No 3 Construction

Contractor: WILLIAMS INDUSTRIAL SERVICES, LLC
Address: 100 CRESCENT CENTRE DRIVE, #1240
TUCKER, GA 30084
Phone: 904-696-9994

JEA PROJECT NUMBER 8004327

DESCRIPTION	TOTAL VALUE	WORK COMPLETE PREVIOUS	WORK COMPLETE CURRENT	% COMP.	$ VALUE COMPLETED	$ BALANCE TO FINISH
Supplemental Work Authorization						
SWA #1: Demo and removal of EZ Base at Plant Entrance	$ 3,600.39	3,600.39	$ -	100%	3,600.39	0.00
SWA #2: Additional Gate Valves, Striping and asphalt	$ 12,477.66	12,477.66	$ -	100%	12,477.66	0.00
SWA #3: Wellhead power panels upgrade	$ 12,048.00	12,048.00	$ -	100%	12,048.00	0.00
SWA #4: Well No.1 Circuit repairs	$ 2,261.00	2,261.00	$ -	100%	2,261.00	0.00
SWA #5: Flow fill at FWM connection Point 1	$ 3,373.00	3,373.00	$ -	100%	3,373.00	0.00
SWA #6: 16" Abandoned WM conflict loss	$ 6,340.00	6,340.00	$ -	100%	6,340.00	0.00
SWA #7: Flow fill at Learning center	$ 2,839.00	2,839.00	$ -	100%	2,839.00	0.00
SWA #8: MOT	$ 44,436.00	44,436.00	$ -	100%	44,436.00	0.00
SWA #9: Demo and removal of EZ base on Amelia Concourse	$ 1,031.00	0.00	$ -		0.00	1,031.00
SWA #10: Crew and equipment standby time for tie ins	$ 7,597.00	0.00	$ -		0.00	7,597.00
SWA #11: Well #3 entrance road modifications	$ 5,392.00	0.00	$ -		0.00	5,392.00
SWA #12: Water service tie in 10.16	$ 9,805.00	0.00	$ -		0.00	9,805.00
SWA #13: SOV Line items over/under (OVER QUANTITIES)	$ 70,516.92	0.00	$ -		0.00	70,516.92
SWA #14: Water well abandonement	$ 10,224.90	0.00	$ -		0.00	10,224.90
SWA #15:	$ -	0.00	$ -		0.00	0.00
SWA #16:	$ -	0.00	$ -		0.00	0.00
SWA #17:	$ -	0.00	$ -		0.00	0.00
SWA #18:	$ -	0.00	$ -		0.00	0.00
SWA #19:	$ -	0.00	$ -		0.00	0.00
SWA #20:	$ -	0.00	$ -		0.00	0.00
SWA #21:	$ -	0.00	$ -		0.00	0.00
SWA #22:	$ -	0.00	$ -		0.00	0.00
SWA #23:	$ -	0.00	$ -		0.00	0.00
Total SWA's	$ 191,941.87	$ 87,375.05	$ -	46%	$ 87,375.05	$ 104,566.82

SWA LIMITED TO $ 100,000 ∴ $91,941.87 OVER

Formal Bid and Award System

Award #4 March 4, 2021

Type of Award Request: CONTRACT AMENDMENT
Requestor Name: Porter, George L. - Water Sewer System Planning Specialist
Requestor Phone: (904) 665-8965
Project Title: Integrated Water Resource Plan (IWRP)
Project Number: 20427
Project Location: JEA
Funds: O&M
Budget Estimate: N/A
Scope of Work:

The intent of this project is to develop a holistic, comprehensive, integrated and sustainable plan and schedule for managing the production, treatment, transmission, and delivery of JEA's water supplies for the next 50 years. Additionally a targeted and cost-effective Demand Side Management (DSM) strategy with recommendations for implementation will be developed in order to assist with future JEA water conservation program development. This Integrated Water Resource Plan (IWRP) will recommend the next beneficial incremental water supply needed to increase system flexibility and resiliency.

JEA IFB/RFP/State/City/GSA#: 156-18
CPA#: 180839
Purchasing Agent: Kruck, Dan
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
CDM SMITH INC.	Patrick Victor	victorpr@cdmsmith.com	8381 Dix Ellis Trail Suite 400, Jacksonville FL 32256	(904) 527-6736	$188,090.00

Amount of Original Award: $1,095,792.00
Date of Original Award: 03/07/2019
Change Order Amount: $188,090.00

List of Previous Change Order/Amendments:

CPA #	Amount	Date	Reason
180839	$40,202.00	12/09/2019	Add study to evaluate options for an additional 40 MGD alternate water supply by 2035
180839	$69,350.00	06/30/2020	Add study to eliminate surface water discharge of wastewater effluent

New Not-To-Exceed Amount: $1,393,434.00
Length of Contract/PO Term: Project Completion
Begin Date: 03/28/2019
End Date: Project Completion (Expected: April 2022)

JSEB Requirement: Five Percent (5%) Evaluation Criteria

Comments on JSEB Requirements:

Original Award
Four Waters Engineering (Cost Analysis) – 6.4%

This Contract Amendment
N/A

Background/Recommendations:

Originally approved by Awards Committee on 03/07/2019 in the amount of $1,095,792.00 to CDM Smith Inc. A copy of the original award is attached as backup. Two administrative contract amendments have been previously approved. The first was for a study to evaluate options for an additional 40 MGD alternate water supply in the amount of $40,202.00. The second administrative change order was to add a study to evaluate options for eliminating surface water discharge of wastewater effluent in the amount of $69,350.00.

This award request is for a contract amendment to the engineering study contract of CDM Smith Inc. for the Integrated Water Resource Plan (IWRP). Part of the original scope of work was to develop an IWRP model for JEA to use after the contract has ended. This contract increase is because JEA has requested that the consultant update the user interface of the IWRP model to facilitate easier navigation of the model without accessing the full details. JEA has also requested additional training on model use with the new interface. As part of this contract amendment, the consultant will also study the Northwest Service area to determine the feasibility serving that area with traditional reclaimed water, or implementing a purified water system that would meet all potable and non-potable demands for that service area. JEA staff also requested an as-needed support task for future related IWRP studies that may come up during the contract term. The as-needed support funding will only be used upon prior request and authorization by JEA staff. JEA used the original negotiated hourly rates to develop the award amount for this contract amendment. The contract amendment quote is attached as backup.

Request approval to award a change order to CDM Smith Inc. for additional studies for the Integrated Water Resource Plan (IWRP) in the amount of $188,090.00, for a new not-to-exceed amount of $1,393,434.00, subject to the availability of lawfully appropriated funds.

Manager: Mackey, Todd – Mgr W/WW System Planning
Director: Zammataro, Robert J. (Rob) - Dir W/WW Planning & Development
VP: Vu, Hai X. – VP Water/Wastewater Systems

APPROVALS:

_____

Chairman, Awards Committee **Date**

_____

Budget Representative **Date**

Approved by the JEA Awards Committee

Date: 03/07/2019 Item# 2

Formal Bid and Award System

CPA 180839

Award #2 March 7, 2019

Type of Award Request: PROPOSAL (RFP)
Request #: 6273
Requestor Name: Porter, George L. - Water Sewer System Planning Specialist
Requestor Phone: (904) 665-8965
Project Title: Integrated Water Resource Plan (IWRP)
Project Number: 20427
Project Location: JEA
Funds: O&M
Budget Estimate: $1,000,000.00
Scope of Work:

The intent of this project is to develop a holistic, comprehensive, integrated and sustainable plan and schedule for managing the production, treatment, transmission, and delivery of JEA's water supplies for the next 50 years. Additionally a targeted and cost-effective Demand Side Management (DSM) strategy with recommendations for implementation will be developed in order to assist with future JEA water conservation program development. This Integrated Water Resource Plan (IWRP) will recommend the next beneficial incremental water supply needed to increase system flexibility and resiliency.

This award positively impacts three (3) of JEA's Measures of Value:

- Customer Value – This study will provide JEA with a plan to provide water service throughout the next 50 years.
- Environmental Value – This study will allow JEA to plan for a sustainable future water supply for our growing customer base.
- Financial Value – Multiple water supply options will be evaluated as part of this study to assure the most economical solutions are chosen.

JEA IFB/RFP/State/City/GSA#: 156-18
Purchasing Agent: Kruck, Daniel R.
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
CDM SMITH INC.	Patrick Victor	victorpr@cdmsmith.com	8381 Dix Ellis Trail Suite 400, Jacksonville FL 32256	(904) 527-6736	$1,095,792.00

Amount for entire term of Contract/PO: $1,095,792.00
Award Amount for remainder of this FY: $420,00.00
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 03/28/2019
End Date (mm/dd/yyyy): Project Completion (Expected: September 2020)

JSEB Requirement: Five Percent (5%) Evaluation Criteria

Comments on JSEB Requirements:

Four Waters Engineering (Cost Analysis) – 6.4%

PROPOSERS:

Name	Amount	Rank
CDM SMITH INC.	$1,095,792.00	1
JACOBS ENGINEERING GROUP INC.	N/A	2

Background/Recommendations:

Advertised on 09/05/2018. Six (6) prime companies attended the mandatory pre-proposal meeting held on 09/12/2018. At proposal opening on 10/09/2018, JEA received two (2) Proposals. The public evaluation meeting was held on 11/26/2018 and JEA deemed CDM Smith Inc. most qualified to perform the work. A copy of the evaluation matrix and negotiated schedule and fees are attached as backup. It should be noted that other companies did not submit proposals due to the specialty nature of this work.

Negotiations with CDM Smith Inc. were successfully completed. The proposed fee of $1,095,792.00 is 9.6% higher than estimated, and is deemed reasonable when compared to past IWRP studies from other utilities. This award covers two areas of focus for JEA. The first is a plan for managing JEA's water supply for the next fifty (50) years, providing the most economical future water supply sources and options. The second area of focus is to develop a targeted and cost-effective demand-side management (DSM) strategy, focusing on ways to reduce future customer water demand. This study is not intended to design any construction projects, but the study will identify future projects to ensure JEA's future water supply. A budget trend was not needed for this award.

The project details are below:

- Study Budget Estimate (at the time of Proposal): $1,000,00.00
- Total Study Cost: $1,095,792.00 (IWRP: $685,154.00, DSM: $410,638.00)
- Study Completion Date: Expected - September 2020

156-18 – Request approval to award a contract to CDM Smith Inc. for engineering services for the Integrated Water Resource Plan (IWRP) project in the amount of 1,095,792.00, subject to the availability of lawfully appropriated funds.

Manager: Dvoroznak, Michael T. - Manager, W/WW System Planning
Director: Marshall, Raynetta C. - Dir W/WW Planning & Development
VP: McInall, Steven G. - VP & Chief Energy & Water Planning

APPROVALS:

3/7/19

Chairman, Awards Committee **Date**

3/7/19

Manager, Capital Budget Planning **Date**

156-18 Integrated Water Resource Plan (IWRP)

Vendor Rankings	George Porter	Ryan Popko	Melinda Fischer	Susan West	Tom Bartol	Σ Rank	Overall Rank
CDM Smith	1	1	1	1	1	5	1
Jacobs Engineering	2	2	2	2	2	10	2

George Porter	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	JSEB (5 Points)	Total	Rank
CDM Smith	26.8	34	19	5	4	88.80	1
Jacobs Engineering	26.2	33	17	5	4	85.20	2

Ryan Popko	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	JSEB (5 Points)	Total	Rank
CDM Smith	26.4	34	17	5	4	86.40	1
Jacobs Engineering	24.9	32	13	5	4	78.90	2

Melinda Fischer	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	JSEB (5 Points)	Total	Rank
CDM Smith	26.9	31	18	5	4	84.90	1
Jacobs Engineering	26.3	30	17	5	4	82.30	2

Susan West	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	JSEB (5 Points)	Total	Rank
CDM Smith	25	32	18	5	4	84.00	1
Jacobs Engineering	24	28	12	5	4	73.00	2

Tom Bartol	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	JSEB (5 Points)	Total	Rank
CDM Smith	27	33	18	5	4	87.00	1
Jacobs Engineering	24.9	29	15	5	4	77.90	2

Overall Averages	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity to JEA (5 Points)	JSEB (5 Points)	Total
CDM Smith	26.30	32.60	17.80	5.00	4.00	85.70
Jacobs Engineering	25.26	30.40	14.80	5.00	4.00	79.46

CDM Smith

EXHIBIT _____
JEA RFP NO. 156-18 CONTRACT
ENGINEERING SERVICES
FOR
Integrated Water Resource Plan (IWRP)

This Exhibit, when executed, shall be incorporated in and become part of the CONTRACT (RFP NO. 156-18) between JEA (OWNER), and CDM Smith Inc. (CONSULTANT), dated _____, 2019 for Integrated Water Resource Planning.

PROJECT BACKGROUND

The intent of the OWNER is to develop a holistic, comprehensive, integrated and sustainable plan and schedule for managing the supply, production, treatment, transmission, and delivery of OWNER's water supply for the next 50 years (to Year 2070).

OWNER is seeking options for the next beneficial incremental water supply and to increase the system flexibility and resiliency. The CONSULTANT will develop an Integrated Water Resource Plan (IWRP) and a Demand Side Management (DSM) study ("Project") which will consider in detail the alternatives for OWNER's future water supply and conservation program. It is essential that the IWRP and DSM Plan be sustainable, cost-effective, permittable, defensible and protect the local water resources.

As part of this Project the OWNER desires the CONSULTANT to develop recommendations, strategic goals, and include near-term & long-term actions to develop, manage and sustain OWNER's water resources.

The development of the scope of work of this CONTRACT is based on the introductory meeting held between OWNER management and staff, and CONSULTANT. At this introductory meeting, overall project goals for the JEA Integrated Water Resources Plan (IWRP) were established, as well as critical success factors.

The JEA IWRP project goals are as follows:

- Provide surety/certainty for OWNER's long-term water supply needs over the next 50-years
- Maximize the use of reclaimed water and minimize wastewater discharges to the river
- Demonstrate that IWRP recommendations are aligned with OWNER's four corporate measures: Financial, Environmental, Customer, and Community Impact; and will provide for continued supply reliability for next 50 years
- Develop a targeted and cost-effective Demand-Side Management (DSM) strategy, which includes specific recommendations for program implementation including required administration and management
- Develop specific recommendations for water supply projects, with implementation schedules for the next 5, 10, and 20 years

SCOPE OF WORK

Task 1 – Develop IWRP Evaluation Framework and Objectives

To help ensure that the IWRP and its recommendations are defensible and well-supported, it is important to develop an Evaluation Framework at the onset of the project that is mutually agreed to by OWNER and CONSULTANT. The Evaluation Framework will provide: (1) the overall methodology on how alternatives will be analyzed, compared and ranked; (2) details key planning assumptions regarding hydrologic period of record, financial parameters, range of population projections, and future climate scenarios; and (3) definition of IWRP objectives and performance measures used for evaluating alternatives. The Evaluation Framework will be used to support Tasks 8, 9 and 10 of this scope of work.

Objectives and performance measures are defined as:

- Objectives: Represent the major goals for the IWRP in broad, understandable and distinctive terms. Objectives will be defined to easily communicate the goals of the IWRP to all internal/external stakeholders. Examples of objectives might include ensure supply and system reliability, achieve cost-effective solutions, reduce risk and uncertainty, improve water quality, and protect environment. ONWER and CONSULANT to work together to develop approximately 6–10 objectives and weigh them in terms of relative importance.

- Performance Measures: For each objective, one or several performance measures will be established, with the goal of establishing as many quantitative measures as feasibly possible. Where quantitative measures cannot be established, qualitative measures using best engineering judgment will be supplemented. Examples of performance measures might include life-cycle cost, probability of water shortages, likelihood of permitting hurdles, or environmental impacts.

CONSULTANT will participate in the following meetings with the OWNER to develop the IWRP Evaluation Framework and finalize the objectives and performance measures:

Meetings:

- One project kick-off meeting with OWNER members and key consultant staff to develop evaluation framework and draft objectives.
- One follow-up conference call with OWNER to review final draft recommendations for objectives and evaluation framework
- One conference call with OWNER to finalize objectives and evaluation framework

Deliverables:

- Technical memorandum (TM) on IWRP evaluation framework and objectives

Task 2 – Review OWNER Reports and Collect Data

CONSULTANT will review relevant past studies, reports and plans prepared for OWNER. Consultant will request specific data, models and information from OWNER, and will collect other supporting data required for the IWRP.

Meetings:

- One conference call with OWNER to go over requested data from OWNER

Deliverables:

- Data log sheet

Task 3 – Conceptualize Supply Options

CONSULTANT will fully leverage OWNER past studies, reports and plans to develop a preliminary list of feasible water supply options. CONSULTANT will augment any information gaps or identify up to two other supply options that were not previously evaluated by OWNER. At the outset of this task a complete list of potential water supply options will be reviewed with the OWNER for consideration and selection for evaluation. Upon the conclusion of this review, the list of potential water supply options will be finalized by the OWNER and used as the basis for consultant conceptualization. For scoping purposes, a total of eleven (11) supply options will be conceptualized from existing OWNER reports and studies and two (2) other supply options that were not previously evaluated by the OWNER will be developed by the CONSULTANT, with guidance given by the OWNER. The likely eleven (11) supply options preliminarily selected for conceptualization are listed below:

Preliminary Screening of 2019 JEA IWRP Supply Options for Evaluation
Additional Traditional Floridan Groundwater (Assumes CUP SCs Are Met)
Indirect Potable Reuse via Groundwater Recharge
Desalination: Brackish Groundwater
Desalination: Lower St. Johns River near NSGS (seawater quality)
Desalination: Upper St. Johns River (brackish quality)
Regional Surface Water Reservoir for Potable Water Supply
Regional Surface Water Reservoir for Irrigation Water Supply
Non-Floridan Source Private Irrigation
Direct Potable Reuse (Targeted Large Industrial Users for Potable Offset)
Distributed Stormwater Collection for Supplemental Reclaimed or Direct Irrigation
Distributed Stormwater Collection for Potable Use

Each supply option for consideration in the IWRP will be conceptualized in terms of:

1) Project description, potential siting/locations within OWNER service area, and identification of key facility components (e.g., treatment, distribution, pump stations, storage)

2) Project yield and potential hydrologic variation in yield

3) Project capital cost estimate

4) Project O&M cost estimate

5) Water quality attributes, permitting/regulatory ease, customer acceptance, distribution system integration challenges, and other attributes (e.g., environmental benefits, social benefits, etc.)

Meetings:

- One conference call with OWNER to go over preliminary list of supply options
- One conference call with OWNER to finalize list of supply options

Deliverables:

- Preliminary list of supply options
- TM that summarizes conceptualized options, with key attributes

Task 4 – Spatial Forecast of Water Demand

CONSULTANT will utilize OWNER's existing water demand forecast and population projections for its service area as the basis for spatially disaggregation into specific planning neighborhoods, which will be required for hydraulic analysis of water supply options (Task 5) and evaluation of DSM measures (Task 7). The disaggregated demand forecast will be calibrated to water production and customer sales (billing) data by the grid networks. Population projections will be used to project water demand by sector and neighborhood to the year 2070. This task includes close coordination and iterative collaboration between the OWNER and the CONSULTANT's Demographer sub-consultant, CONSULTANT's DSM Expert and Hydraulic Engineer, as outlined below:

1) The DSM Expert, Demographer and OWNER will work together to define neighborhood boundaries and evaluate them based upon property appraiser data, census data and geocoded customer billing data. Neighborhood averages of characteristics such as percent residential/commercial/industrial, development density/ lot size, age of housing and development, values of land and buildings, unit occupancy, persons per household, household income, planned development/redevelopment and water use by customer type will be used to delineate neighborhoods into relatively homogenous groupings. Neighborhood delineations will be reviewed with OWNER staff. If possible, neighborhoods may be classified into a limited number of higher-level classifications for DSM planning, such as "large lot, affluent residential", "older, high density residential", "light commercial", etc. The definition of the higher-level classifications will likely evolve from analysis of the data and be defined in collaboration with OWNER staff.

2) The Demographer will use available geocoded customer data to develop representative water use factors by sector per neighborhood. Sectors may include residential, commercial and industrial users or may be further defined as single-family, multifamily, commercial, industrial, recreation, and irrigation water use depending upon the clarity of customer data. The DSM Expert will review the water use factors for anomalies and a reasonable range of factors, including recommendations for updating and refining, as needed. Final definition of sectors will be developed in collaboration with OWNER staff. A water use factor per unit will be estimated for each sector for each neighborhood. The 'units' may be population, acreage or square footage depending upon the sector definition. It is noted that not all OWNER water

customer accounts have been geocoded and therefore it will be necessary for the CONSULTANT to approximate a geocode for those accounts that are not currently geocoded.

3) The DSM Expert will use the sector water use factors and current population, acreage or square footage by neighborhood to estimate current water use by sector by neighborhood. The estimated current water use by neighborhood will be compared with current consumption (sales) data and the existing demand forecast at either the neighborhood or grid level for calibration of the water use model. The current water use by sector and neighborhood will be formatted by the DSM Expert as an input for the Task 6 analysis of current water use by sector and neighborhood by end use. Differences in current water use across neighborhoods within the same customer sector will provide the basis for developing DSM targets by sector and neighborhood. The high-level classification information by neighborhood will be used by the DSM Expert to develop DSM target characteristics.

4) Current (January 2018) population projections for the OWNER service area from 2020 to 2045 will be expanded to 2070 and updated with the latest county population forecasts from BEBR by the Demographer. This includes developing forecasts of both population and non-residential development for Duval, St. Johns, Nassau and Clay Counties using its GIS-based, parcel-level models. Because population models were developed for OWNER as recently as 2017, some elements of those models will be leveraged for efficiency. Updated property appraiser and planned development data will be used to capture new development, and the models will be extended in five-year increments to 2070. The population forecasts will be controlled to the county-level forecasts from the Bureau of Economic and Business Research (BEBR), which are the official state numbers. Those county-level forecasts will also be extended from 2045 to 2070 in consultation with BEBR's lead demographer. Non-residential development will be forecasted for the first time, and it will be done based on a combination of historical trends and future land use data. This forecast will also be extended to 2070 in five-year increments. Recent trends in nonresidential development by neighborhood will be used to extrapolate from the current nonresidential development to a forecast of 2070 development using Future Land Use data. Thus, a projected set of sector units will be developed for each neighborhood to 2070 in five-year increments.

5) The DSM Expert will input the sector water use factors and projected sector units into a Microsoft Excel spreadsheet model to estimate the future water consumption by sector for each neighborhood from 2020 to 2070. Estimates of system losses (i.e., non-revenue water or unaccounted-for water) by grid network will be determined and system loss will be added to the water demand of each neighborhood. Summaries and averages by customer grouping will also be developed to help guide DSM planning.

6) The Hydraulic Engineer will review the spatial characteristics of the water demand forecast as it pertains to high-level hydraulic modeling of supply options in Task 5.

Meetings:

- One conference call with OWNER to discuss key assumptions for water demand forecast
- One meeting with OWNER to present water demand forecast

Deliverables:

- TM that summarizes water demand forecast
- Spreadsheet/database with detailed, spatially allocated forecast of water demands

Task 5 – High-Level Hydraulic Analysis of JEA Water/Reclaimed Water Distribution System

Using OWNER's existing hydraulic models, CONSULTANT will analyze current groundwater and recycled water sources under several scenarios of future peak water demands (based on 5, 10 and 20-year forecasts) to determine major system deficiencies and/or constraints in delivery of water to customers. Specifically, this analysis will include simulations of the existing systems with superimposed future demands to determine the extent of areas in each system where the desired customer level-of-service (e.g. supply volume, system pressures) cannot be met.

The analysis of OWNER's water and recycled water distribution system will be used to refine the supply options conceptualized in Task 3, by correlating potential supply points to areas of need. The hydraulic analysis will then be used to screen supply alternatives by determining what storage and transmission facilities (approximate length and size of pipelines, need for pump stations, and diurnal storage for the supply options) will be needed based on defining the needs by either mid-term needs (10-years or less) or long-term needs (greater than 10-years out). These screening analyses will consider both delivery and the net supply throughput by considering impacts on other supplies (e.g., does a new supply cause other existing supplies to deliver less flow due to changes in system hydraulics). Additionally, the results of this task are used by the CONSULTANT in support of developing future conceptual capital and O&M costs related to supply options and developing the portfolio of alternatives that will be evaluated in subsequent tasks.

It should be noted this task represents a high-level hydraulic analysis for refined conceptualization of water supply alternatives and not intended for detailed distribution system analysis that is typically used for master planning.

Meetings:

- One conference call with OWNER to discuss OWNER hydraulic models and system assumptions
- One conference call with OWNER to present findings from hydraulic analysis

Deliverables:

- TM that summarizes hydraulic analysis

Tasks 6 – Assessment of Current Water Use Efficiency, Future Passive Conservation and End Use Model of Water Demand

Using a combination of OWNER billing data by sector (e.g., single-family, commercial, industrial, etc.), parcel level data that was used in Task 4, census data, and literature and research studies on end uses of water, consultant will breakdown OWNER's sector water use data into major end uses

such as toilet flushing, clothes washing, landscape irrigation, food processing, industrial processing, and others. This information will also be used to estimate the current levels of water use efficiency.

This task includes the CONSULTANT providing support to the OWNER who will conduct a customer survey to obtain information on water use practices and attitudes towards water conservation. This survey will help improve the assessment of current levels of water use efficiency and willingness to participate in future OWNER DSM programs that may be recommended as part of this project. The survey and analysis of survey results will need to be completed before this task begins. The cost proposal outlined in the budget section below includes support from the CONSULTANT to develop the survey, working with OWNER, and with OWNER administering the online survey. The target survey objective is to survey up to 1,500 JEA Customers. The survey task includes the CONSULTANT drafting the survey, reviewing the draft survey with the OWNER, and the CONSULTANT finalizing the survey questions and summarizing and reviewing the results of the survey with OWNER. OWNER would be responsible for administering the survey and providing the survey results to the CONSULTANT, so the CONSULTANT can summarize the results.

CONSULTANT will estimate future passive water conservation for OWNER's service area. Passive conservation is defined as that which is expected to occur from adherence to federal and state plumbing codes. As new development occurs, it is expected that per home/per business water use will be lower than existing development due to toilets, showerheads and urinals being more water efficient per plumbing codes. It is important to reflect future passive conservation in the demand forecast because it will provide a better indication of where targeted DSM measures should be implemented.

A spreadsheet DSM model of end uses will be developed in this task. The DSM model will be used to determine the remaining potential for DSM measures, spatially within OWNER's service area. This will help ensure that the overall DSM Program is targeted to where the biggest potential conservation savings are for areas that also have water supply (including reclaimed supply) constraints.

Meetings:

- One conference call with OWNER to discuss assumptions for the DSM model
- One meeting with OWNER to present DSM model and passive conservation savings estimate
- Two meetings to review the draft online survey and review the results of the survey

Deliverables:

- Spreadsheet DSM model
- Draft write-up of the OWNER customer survey, execute an online OWNER customer survey and summarize the results and present results to OWNER

Task 7 – Evaluation of Future DSM Measures and Development of DSM Strategy

The DSM model of end uses developed in Task 6 will be used to evaluate the water conservation savings, cost-effectiveness and benefits to OWNER of future DSM measures. To this end,

CONSULTANT will utilize its past experience in evaluating DSM measures, with focus on those measures that are technologically superior and proven to work (e.g., smart irrigation systems tied to weather stations). This experience will be augmented by literature of emerging trends and OWNER-specific information on customers. CONSULTANT will also estimate the economic benefit of implementing future DSM measures to OWNER in terms of reduced water treatment and delivery costs, deferment of large capital infrastructure, and potential rate impacts to customers (if any). Several metrics will be used for cost-effectives such as net present value, levelized unit cost, and internal rate of return.

To estimate "representative" administrative/implementation costs for OWNER's DSM Program, consultant will conduct an informal survey of water conservation managers around the country. Further, consultant will assess likely implementation challenges and/or customer acceptance issues regarding future DSM measures. Each future DSM measure will be ranked in terms of overall cost-effectiveness, economic benefit to OWNER, and implementation challenges.

CONSULTANT will deliver to OWNER a DSM Strategy Report that has the following components:

1. Recommended list of DSM measures with targeted location and timing for implementation, anticipated water savings, recommended inventive levels, and overall cost-effectiveness ranking.

2. Representative administrative cost and required management for overall DSM program, including different options for turn-key vendors to administer the program.

Meetings:

- One conference call with OWNER to discuss potential DSM measures
- One conference call with OWNER to present draft findings of ranking DSM measures
- One meeting with OWNER to present final ranking of DSM measures and summarize recommendation for overall DSM Strategy

Deliverables:

- TM that summarizes the evaluation of DSM measures and provides recommendations for overall DSM strategy

Task 8 – Update OWNER's IWRP Model

CONSULTANT will update OWNER's IWRP model, developed using the STELLA systems software in 2012, using the information from previous tasks of this project. The IWRP model represents OWNER's water, wastewater and recycled water by service zone. The model runs quickly and allows for alternatives to be evaluated in a more holistic, interconnected manner.

Alternatives, representing combinations of supply and demand-side management options, can be developed on the fly with the IWRP model and tested under different planning scenarios of demand growth, climate and other factors.

The IWRP model presents the following output:

- Reliability of water and recycled water system in meeting future water demands
- Identification of major conveyance and treatment capacity needs in the future
- Levelized unit costs

Meetings:

- One conference call with OWNER to discuss potential gaps in need using the IWRP model without new investments

Deliverables:

- Updated IWRP model with a Technical Memorandum that summarizes the updates that were made to the existing model.

Task 9 – Develop and Analyze Alternatives

CONSULTANT will work closely with OWNER to identify up to five initial integrated alternatives, representing combinations of various supply and demand-side management options. These integrated alternatives will be developed around themes, such as: high resiliency, lower-cost, higher adaptability, higher sustainability, etc.

CONSULTANT will use the IWRP model to analyze the performance of the initial integrated alternatives and then use a multi-criteria decision software called Criterium Decision Plus, to rank the alternatives by the objectives developed in Task 1.

Based on the results of evaluating the initial integrated alternatives, consultant will work with OWNER to develop up to three (3) hybrid alternatives that take the best elements from the initial alternatives. The intent is to create super performing alternatives that can be tested. The IWRP model and use of the decision software will be used to rank the hybrid alternatives.

Meetings:

- One conference call with OWNER to develop the initial integrated alternatives
- One conference call with OWNER to present results of evaluation the initial alternatives
- One conference call with OWNER to develop hybrid alternatives
- One meeting with OWNER to present results of ranking hybrid alternatives

Deliverables:

- TM summarizing the ranking of alternatives

Task 10 – Test Alternatives Under Uncertainty and Develop Recommendations

The top two performing alternatives from Task 9 will be tested under a range of uncertainty using scenario planning. Anticipated scenarios might include: (1) baseline growth with historical climate; (2) higher growth with historical climate; and (3) higher growth with warmer/drier future climate.

CONSULTANT will analyze the results and develop draft recommendations for implementation of specific water supply projects and DSM programs for short-term, mid-term, and long-term planning horizons. For the short-term horizon, CONSULTANT will recommend timing and location of specific water supply projects and DSM programs for 5, 10, and 15 years. This will also include "conceptualized" construction cost estimates. Because the future becomes more difficult to anticipate after 15 years, CONSULTANT will identify triggers for OWNER to monitor for longer-term implementation of projects and programs. Triggers might include: (1) levels of population growth; (2) performance of OWNER under existing CUP; (3) potential changes to the CUP; and (4) changes in long-term climate. These triggers can be used by OWNER for adaptive management and implementation of projects and programs for the long-term planning horizon after 15 years.

Meetings:

- One conference call with OWNER to develop planning scenarios and assumptions
- One conference call with OWNER to present draft recommendations for 5, 10, and 15-year implementation of projects and programs
- One meeting with OWNER to present final recommendations with adaptive management

Deliverables:

- TM summarizing the IWRP recommendations

Task 11 – Prepare IWRP and DSM Reports

CONSULTANT will prepare the IWRP and DSM reports, using the TMs and other information from the previous tasks. CONSULTANT will work with OWNER to determine the format of these reports.

A first draft of the IWRP and DSM reports, representing and 80% completion, will be delivered to the OWNER for review. CONSULTANT will incorporate comments from the OWNER and prepare a final draft of the IWRP and DSM reports for OWNER review. CONSULTANT will incorporate comments from the OWNER and prepare the final reports.

Meetings:

- One conference call with OWNER to review comments on first draft reports of IWRP and DSM
- One conference call with OWNER to review comments on final draft reports of IWRP and DSM

Deliverables:

- First draft reports for IWRP and DSM
- Final draft reports for IWRP and DSM
- Final reports for IWRP and DSM

Task 12 – Project and Quality Management

Activities performed under this task consist of those general functions required to maintain the project on schedule, within budget, and that the quality of the work products defined within this CONTRACT is consistent with CONSULTANT's standards and OWNER's requirements. This includes following the issuance of the Notice to Proceed (NTP) from OWNER, CONSULTANT will perform an internal project quality management meeting and a project planning and scope review meeting. Additionally, CONSULTANT maintains a Quality Management System (QMS) on all projects. CONSULTANT will hold Technical Review meetings, in accordance with QMS, prior to transmitting documents to OWNER. Technical Review comments will be addressed prior to moving forward with finalizing deliverables for the OWNER's review. CONSULTANT will maintain and submit to OWNER on a periodic basis a Comment and Response Spreadsheet that will track OWNER comments and CONSULTANT's response and intended actions to address the comments.

OWNER's RESPONSIBILITY

OWNER will be responsible for the following listed items and other items as specifically included in this CONTRACT:

- Provide Notice to Proceed.
- Provide the available and requested data, reports and references to CONSULTANT.
- Provide existing OWNER IWRP model from the 2012 IWRP project (programmed in STELLA).
- Provide review of CONSULTANT submittals of documents and return comments to CONSULTANT within 15 business days.

ASSUMPTIOMS

The following assumptions have been prepared in support of the CONSULTANT's basis of estimate:

- The basis for developing most of the conceptualized supply options as part of Task 3 will come from existing work products and OWNER will provide the necessary existing references and previous reports/studies including Alternative Water Supply Studies, Total Water Management Plan and Updates, Consumptive Use Permit (CUP 88271-16), Alternative Water Supply Facilities Master Plan (2015), Wellfield Water Quality Management Plan (CUP condition 49), Integrated Water Supply Testing, Evaluation, and Rehabilitation (iWater) and OWNER's 2018 Annual Water Resource Master Plan.
- The existing OWNER IWRP model from the 2012 IWRP project (programmed in STELLA) will be used for the base systems model development in Task 8.
- The existing hydraulic models used in support of Task 5 will not require model calibration.

PROJECT SCHEDULE

It is anticipated that the Project will take 18 months to complete, starting within two weeks of receipt of a formal notice to proceed (NTP). The estimated schedule by task is shown in Figure 1. CONSULTANT will prepare an updated detailed schedule within the first thirty (30) calendar days after Notice to Proceed.

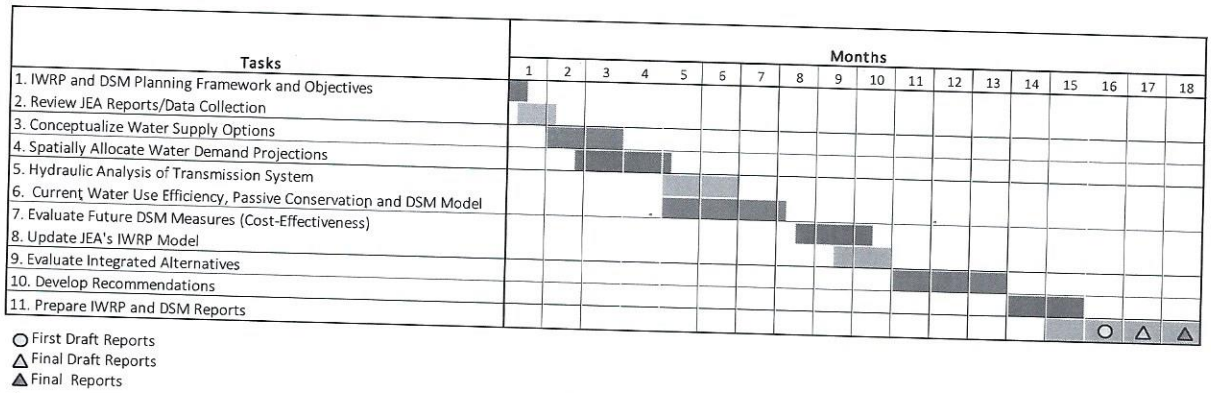

Figure 1. Project Schedule based on NTP

COMPENSATION AND PAYMENT

For performing the services in Task 1 to 12 of this Contract (Exhibit _____), OWNER agrees to pay CONSULTANT a lump sum amount of $1,095,792 for its labor, subconsultants, and direct costs. For invoice purposes only, the value breakdown is shown in **Table 1** below. The CONSULTANT will submit monthly invoices based on the percentage of the work completed by task during the period of the invoice.

Table 1
JEA 2019 Integrated Water Resource Plan and Demand Side Management Plan
Budget Estimate
Wednesday, January 29, 2019
CDM Smith

Task Description	Total Dollars By Task
Task 1 – Develop IWRP Evaluation Framework and Objectives	$30,772
Task 2 – Review OWNER Reports and Collect Data	$54,375
Task 3 – Conceptualize Supply Options	$60,021
Task 4 – Spatial Forecast of Water Demand	$107,730
Task 5 – Hydraulic Analysis of OWNER Water/Recycled Water Distribution System	$84,161
Task 6 – Assess Water Use Efficiency, Passive Conservation, End Use Model Water Demand	$151,340
Task 7 – Evaluation of Future DSM Measures and Development of DSM Program	$56,550
Task 8 – Update OWNER's IWRP Model	$68,450
Task 9 – Develop and Analyze Alternatives	$123,050
Task 10 – Test Alternatives Under Uncertainty and Develop Recommendations	$148,985
Task 11 – Prepare IWRP and DSM Reports	$140,627
Task 12 – Project and Quality Management	$69,731
Total Lump Sum Budget	**$1,095,792**

AMENDMENT #03
JEA RFP NO. 156-18 CONTRACT
ENGINEERING SERVICES
FOR
Integrated Water Resource Plan (IWRP)

This Amendment #03, when executed, shall be incorporated in and become part of the CONTRACT (RFP NO. 156-18) between JEA (OWNER), and CDM Smith Inc. (CONSULTANT), dated March 29, 2019 for Integrated Water Resource Planning.

PROJECT BACKGROUND

The intent of the OWNER is to develop a holistic, comprehensive, integrated and sustainable plan and schedule for managing the supply, production, treatment, transmission, and delivery of OWNER's water supply for the next 50 years (to Year 2070).

OWNER is seeking options for the next beneficial incremental water supply and to increase the system flexibility and resiliency. The CONSULTANT will develop an Integrated Water Resource Plan (IWRP) and a Demand Side Management (DSM) study ("Project") which will consider in detail the alternatives for OWNER's future water supply and conservation program. It is essential that the IWRP and DSM Plan be sustainable, cost-effective, permittable, defensible and protect the local water resources.

As part of Task 8 under the original CONTRACT, the CONSULTANT updated the OWNER's IWRP model using information from various project tasks. The updated model was then utilized in analyzing alternatives and developing final recommendations.

As part of Amendment #03, the OWNER requested the CONSULTANT create an interactive model interface to facilitate OWNER use of the model and to provide training on the model to OWNER staff.

SCOPE OF WORK

Task 16 – IWRP Model User Interface and Usability Improvements

To facilitate future OWNER use of the IWRP model, a more detailed user interface will be developed. Use of the interface allows easier model navigation without needing to access the full model detail. Elements considered as part of interface development include:

1) Input: Inclusion of key model elements and options easily available for adjustment
    a. New Forecast, update GPD/connection, Fix the Reuse to Water differential.
2) Output: Inclusion of key metrics and graphs within the model interface as well as setup of desired results for easy export to Excel.
3) Restore Settings: Selection of baseline values for model elements so that the restore function can be utilized to reset values that have been changed interactively to their original settings.

Besides development of the user interface, the general model structure will also be cleaned to remove unneeded logic blocks, improve organization, and add additional notes and labeling to facilitate transfer to the OWNER.

Meetings:

- One conference call with OWNER members and key consultant staff to overview current model interface and options for further development.
- Follow-up conference call with OWNER to review developed interface and provide feedback

Deliverables:

- Updated IWRP model with refined user interface and notes will be added to the user interface for usability ease and documentation for new and existing users.
- Final Presentation of model and new features

Task 17 – IWRP Model Training

CONSULTANT will conduct up to 16 hours of training for OWNER staff on how to use the IWRP model. This training can be broken up into segments based on staff schedules. Training time will include model overview and operation by CONSULTANT as well as exercises within the model by OWNER staff being training. Topics to include:

- Overview of STELLA modeling environment
- Detailed walk through of the IWRP Model structure and logic
- Familiarization and utilization of the user interface
- Creating new output displays or exports
- CONSULTANT will assist with preparation of OWNER Staff for Senior Leadership Team (SLT) presentation

It is assumed that OWNER staff have a STELLA Architect license available and the software downloaded prior to training.

Meetings:

- Up to 16 hours of training between OWNER and CONSULTANT staff

Deliverables:

- OWNER staff, with CONSULTANT support, shall present final model presentation described in Task 16 to demonstrate adequate operating knowledge of the Stella Model.

Task 18 – NW Service Area Reclaimed Water Scenario Analysis

CONSULTANT will work with the OWNER to develop and analyze two build out scenarios for the Northwest (NW) Service Area to evaluate the potential for 1) serving that area with traditional

reclaimed water or 2) foregoing traditional reclaimed water and implementing a purified water system that would meet all potable and non-potable demands.

CONSULTANT and OWNER will identify anticipated buildout population, associated potable water demand, reclaimed water demand, extent of collection system inflow and infiltration, and wastewater generation and distribution within the area for each scenario. CONSULTANT and OWNER will also identify assumptions for handling of excess reclaimed water flows, treatment residual disposal, and handling of water demands.

Reclaimed Water System Conceptualization. CONSULTANT will size a reclaimed water treatment system to deliver peak irrigation flows. CONSULTANT will use existing/prior development proposals in the NW Service Area to develop a conceptual neighborhood layout. Sizing for the transmission system will be based on peak water delivery to the entry point(s) of each conceptual neighborhood. For neighborhood-level analysis, up to three conceptual neighborhoods will be evaluated (based on actual development plans in the area, or recent plans or neighborhoods in other service areas that are assumed to be similar to conceptual developments in the NW Service Area). For these neighborhoods, reclaimed distribution sizing to the street level will be performed based on anticipated unit level peak demands, and the results will be extrapolated to the full NW Service Area. Potable water delivery will also be conceptualized using the same approach. Note that these same conceptual and detailed sample neighborhoods will also be used in the Purified Water Scenario concept.

Purified Water Scenario Conceptualization. CONSULTANT will identify buildout potable and non-potable water demands for the service area. This scenario will also include construction of one water reclamation facility sized to handle the service area's wastewater flows at buildout, while also including a water purification facility. The scenario will include construction of one new water purification facility an. The IPR water purification facility will utilize ultrafiltration, reverse osmosis, and UV advanced oxidation along with aquifer recharge wells. The IPR water purification facility will be sized to meet the area's annual average water demand, plus a recharge recovery efficiency factor. The use of an Existing WTP will be assumed.

For the Purified Water Scenario, the same neighborhood level transmission/distribution piping approach will be taken, except that in this scenario all purified water will be delivered through a single pipe system, accounting for both peak irrigation demands and provision of fire flow.

Life Cycle Cost Evaluation. CONSULTANT will undertake a systematic life cycle cost analysis of the two primary alternatives being evaluated. The evaluations will consider anticipated capital expenses, operating and maintenance expenses and renewal requirements for a period of 30 years. The evaluation will also account for the likely financing method to account for differing debt service costs and timing as well as any grant offsets to capital costs. To the extent the alternatives have different useful lives, CONSULTANT will normalize the life cycle cost assessment. CONSULTANT will work with the OWNER to establish key economic parameters for the life cycle evaluation including cost of capital, discount rates, inflation rates and equipment replacement cycles. CONSULTANT will prepare a technical memorandum summarizing this evaluation.

CONSULTANT will also work with OWNER's rate and financial staff to evaluate the implications of the preferred alternative on the OWNER's current rate structure and to recommend modifications to that structure to better align with the preferred reclaimed water approach.

Meetings:

- Up to four meetings between OWNER and CONSULTANT staff are assumed for the duration of this task to provide regular check-ins on progress and to review results

Deliverables:

- Draft, Final Draft and Final Technical Memorandum

Task 19 – As Needed Support

It is anticipated that the CONSULTANT may be asked by the OWNER to provide additional as needed services related to the integrated water resources plan, that include but are not limited to, attend additional meetings, provide additional STELLA modeling support and training, assist with develop of presentations, update STELLA model inputs, re-run model scenarios and summarize model outputs to support additional planning tasks. This reserve will only be expended at the request of OWNER. The OWNER and CONSULTANT will jointly prepare a scope and budget for each request made by the OWNER under this as-needed services task.

OWNER's RESPONSIBILITY

OWNER will be responsible for the following listed items and other items as specifically included in this CONTRACT:

- Provide Notice to Proceed.
- Provide review of any CONSULTANT submittals and return comments to CONSULTANT within 15 business days.
- Provide relevant technical staff to participant in interface discussions and the IWRP model training.

ASSUMPTIONS

The following assumptions have been prepared in support of the CONSULTANT's basis of estimate:

- For the Task 18 analysis the CONSULTANT will evaluate facilities as independent systems and not interconnected with the north grid
- For the Task 18 analysis the CONSULTANT will evaluate total demand and will include a break down for potable/typical indoor uses and non-potable uses that could be supplied from reclaimed water
- Facilities will be conceptually sized to meet peak demand
- The Task 18 life cycle cost analysis will include 2 primary alternatives with up to 3 sensitivity evaluations

PROJECT SCHEDULE

It is anticipated that Task 16 will take 4 weeks to complete, starting within one week of receipt of a formal notice to proceed (NTP). Task 17 can occur per the OWNER's schedule either concurrently or following Task 16. It is anticipated that Task 18 will take up to 4-months from NTP to complete and the CONSULTANT will prepare a detailed proposed schedule for execution of this task within 1-week after NTP. Task 19 will remain open for 12-months after NTP.

COMPENSATION AND PAYMENT

For performing the services in Contract Amendment #03, for Tasks 16 through Task 18, OWNER agrees to pay CONSULTANT a lump sum amount of $138,090 for its labor, subconsultants, and direct costs. For Task 19 items there is a not-to-exceed allocation of $50,000 and the OWNER and CONSULTANT will outline subtasks on an as-needed basis and OWNER with authorize a portion of the Task 19 budget for each subtask and CONSULTANT will invoice those corresponding portions of Task 19 upon completion of the subtask. With Contract Amendment #03, the new total not-to-exceed amount for this contract (Contract # 180839) will be $1,393,434. For invoice purposes only, the value breakdown for Amendment #03 is shown in **Table 1** below. The CONSULTANT will submit monthly invoices based on the percentage of the work completed by task during the period of the invoice.

Table 1
JEA 2019 Integrated Water Resource Plan and Demand Side Management Plan
Amendment #03 Budget Estimate
February 2021
CDM Smith

Task Description	Total Dollars By Task
Task 16 – IWRP Model User Interface	$6,852
Task 17 – IWRP Model Training	$5,086
Task 18 – NW Service Area Reclaimed Water Scenario Analysis	
Task 18. 1 Develop Scenarios	$27,498
Task 18. 2 Life Cycle Cost Analysis	$37,270
Task 18. 3 Meetings	$13,268
Task 18. 4 Tech Memo	$34,130
Task 18. 5 Project and Quality Management	$13,986
Total Lump Sum Budget Amendment # 03	**$138,090**
Not-To-Exceed Budget	
Task 19 – As Needed Support	**$50,000**
Total Not-To-Exceed Budget Amendment # 03	**$188,090**

Formal Bid and Award System

Award #5 March 4, 2021

Type of Award Request: PROPOSAL (RFP)
Request #: 6891
Requestor Name: Breadon, William A. - Project Administrator Construction
Requestor Phone: (904) 665-4285
Project Title: Fleet Services Operations Building Renovation Design Services
Project Number: 8006791
Project Location: JEA
Funds: Capital
Budget Estimate: $50,000.00
Scope of Work:

JEA is soliciting proposals for design services for the Fleet Services Operations Building located at 5717 New Kings Rd. The contract shall furnish engineering design at 30%, 60%, 90% and 100% for JEA review and approval. Project will include complete renovation of existing office areas. Move IT/Communications room, update breakroom, and renovate restrooms to ADA standards and one ADA Shower. Use bay 1 for new administrative area and Mezzanine storage area. New Conference Room, Hotel work stations, one new office and hallway between new and existing administrative areas. New open Mezzanine area for storage and new HVAC. Include Shop sinks and Janitorial area as per the 10% conceptual drawings. Engineered drawings shall meet all the requirements of JEA Standards, state and local building codes.

JEA IFB/RFP/State/City/GSA#: 099-20
Purchasing Agent: Selders, Elaine Lynn
Is this a ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
RODRIGUEZ ARCHITECTURE, LLC	Joanna Rodriguez	Joanna@archizen.net	4168 Southpoint Pkwy, Ste 301, Jacksonville, FL 32216	(904) 345-5483	$169,760.00

Amount for entire term of Contract/PO: $169,760.00
Award Amount for remainder of this FY: $139,235.00
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 03/08/2021
End Date (mm/dd/yyyy): Project Completion (Expected by 07/15/2021)
JSEB Requirement: Evaluation Criteria (10% Goal)
Comments on JSEB Requirements:

Proposer is a JSEB.

PROPOSERS:

Name	Amount	Rank
RODRIGUEZ ARCHITECTURE, LLC	$169,760.00	1
BHIDE & HALL ARCHITECTS, P.A.	N/A	2
PQH GROUP DESIGN, INC.	N/A	3

Background/Recommendations:

Advertised on 10/05/2020. Four (4) companies attended the mandatory pre-proposal meeting held on 10/14/2020. At Proposal opening on 10/27/2020, JEA received three (3) Proposals. The public evaluation meeting was held on 12/16/2020, and JEA deemed Rodriguez Architecture, LLC the most qualified firm to perform the work. A copy of the evaluation matrix rankings and negotiated fees are attached as backup.

A site visit to discuss the scope of work was completed, and it revealed some unknown issues that were not originally included in the scope of work. Negotiations with the Rodriguez Architecture, LLC were successfully completed, which included increased scope of work for structural remediation, additional design for a lift station and force main, network cabling upgrades and photovoltaic array electrical services. A budget trend was completed to cover the increased project costs. The negotiated fees proposed were compared with similar facilities design projects and have been deemed reasonable.

The project details are below:

- Engineering Budget Estimate (at the time of Proposal): $50,000.00
- Total Engineering Cost: $169,760.00 (18% of construction budget estimate)
  - Engineering Design Services: $129,135.00 (13% of Construction Budget Estimate)
  - Services During Construction (SDC): $30,525.00 (3% of Construction Budget Estimate)
  - Site survey fees: $10,100.00 (1% of Construction Budget Estimate)
- Design Completion Date: 07/15/2021

- Construction Budget Estimate (updated due to SOW changes): $963,890.00
- Construction Completion Date:03/31/2022

- Total Project Budget: $1,133,650.00

099-20 - Request approval to award contract to Rodriguez Architecture, LLC for Engineering Design for the Fleet Services Operations Building Renovation Design Services in the amount of $169,760.00, subject to lawfully appropriated funds.

Manager: Crane, Christopher T. - Manager, Facilities Operations

VP: McElroy, Alan D. - VP Supply Chain and Operations Support

APPROVALS:

_____

Chairman, Awards Committee **Date**

_____

Budget Representative **Date**

099-20 Fleet Services Building Renovation Design Services

Vendor Rankings	W. Breadon	B. Brunell	T. McGlothlin	Σ Rank	Rank
Bhide & Hall Architects	3	2	3	8	**3**
PQH Group	2	3	2	7	**2**
Rodriguez Architecture	1	1	1	3	**1**

W. Breadon	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity (5 Points)	JSEB (5 Points)	Total	Rank
Bhide & Hall Architects	26.2	32	18	4	4	84.2	3
PQH Group	24.60	33	17	5	5	84.6	2
Rodriguez Architecture	27.40	34	18	5	5	89.4	1

B. Brunell	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity (5 Points)	JSEB (5 Points)	Total	Rank
Bhide & Hall Architects	25.4	27	17	4	4	77.4	2
PQH Group	26.80	16	15	5	5	67.8	3
Rodriguez Architecture	26.00	28	19	5	5	83	1

T. McGlothlin	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity (5 Points)	JSEB (5 Points)	Total	Rank
Bhide & Hall Architects	26.2	29	16	4	4	79.2	3
PQH Group	27.6	28	14	5	5	79.6	2
Rodriguez Architecture	28.4	34	16	5	5	88.4	1

Overall Averages	Professional Staff Experience (30 Points)	Design Approach and Work Plan (40 Points)	Company Experience (20 Points)	Proximity (5 Points)	JSEB (5 Points)	Total
Bhide & Hall Architects	25.93	29.33	17.00	4.00	4.00	80.27
PQH Group	26.33	25.67	15.33	5.00	5.00	77.33
Rodriguez Architecture	27.27	32.00	17.67	5.00	5.00	86.93

RODRIGUEZ ARCHITECTURE L.L.C.
4446 Hendricks Ave. #384
Jacksonville, FL 32207
V. 904.345.5483
AR-0008377

January 22, 2021

Elaine Selders
Purchasing Agent Senior
JEA
21 W. Church St.
Jacksonville, FL 32202

JEA Fleet Services Operations Building Renovation Design Services
Architectural and Engineering Design Services Proposal REV 03-03-21

Dear Ms. Selders:

We appreciate the opportunity to submit this proposal for A/E Design services for the above-referenced project. This proposal is based on the scope outlined in JEA Solicitation 099-20, the 10% Conceptual Design Drawings prepared by Rodriguez Architecture, and additional scope as defined in meetings with JEA staff on January 6 and January 12, 2021.

Project Team

Rodriguez Architecture, LLC will be working with the following subconsultants for this project:

- **MEP Engineering:** **Powell and Hinkle Engineering, Inc.**
- **Structural:** **Star Structure, Inc.**
- **Civil:** **Matthews Design Group**

Scope of Work/Description of Project

We understand the Scope of Work to be renovations to JEA's Fleet Services Operations Building, a 1- story CMU building with metal roof. Renovations are to include the following:

Current Office Area:

- Renovate bathrooms to meet ADA requirements and current building codes. Provide all new plumbing fixtures, finishes and toilet accessories.
- One ADA Shower area to be shared by staff.
- One office area in existing space along with new IT / Communications Closet.
- Renovate existing break room.
- Remove/replace all ceilings, lighting, flooring, doors, and frames.
- Existing aluminum storefront to be removed and new exterior wall provided aligned with outside edge of existing CMU wing walls.

New Office Area:

- Construct new Administrative area in current Maintenance Bay 1.
- One new office.
- Two cubicles and two workstations.
- New Conference Room for 12 staff members.
- Hallway between old and new admin areas.
- Janitorial closet under Mezzanine stairway.
- Two new shop sinks and new eye wash station in Maintenance area.

Mezzanine:

- Open storage area above the new office area.
- Construct new medium duty flooring system.
- New HVAC system to accommodate new office spaces.
- OSHA approved handrail system to allow access for material handling by forklift.

Vehicle Service Bays:

- Replacement of all lighting to LED.
- Relocation of electric vehicle charging stations.

Sitework:

- Abandonment of existing septic system and connection to city force main at New Kings Road.
- New lift station.

Miscellaneous:

- Expansion or upgrade of existing roof-mounted photovoltaic system.
- Additional electric vehicle charging.
- Access control and intrusion detection upgrades.
- Network cabling upgrades

Refer to attached meeting minutes for additional scope. Note: A separate proposal has been submitted by Rodriguez Architecture for structural remediation/repair scope of work based on observed masonry wall cracking/settlement.

Design will be based on current JEA standards and the requirements of the Florida Building Code 2020 (7th Edition) and other applicable codes and ordinances.

Services Provided

Based on the scope listed above, Rodriguez Architecture, LLC, and our engineering consultants (together, RA) intend to provide the following Basic Services as part of this proposal:

Architectural

- **Site verification of existing conditions and review of existing drawings.**
- **Code review.**
- **Coordinate work of engineering consultants.**
- **Produce architectural construction/permit drawings including life safety plan, demolition floor and ceiling plans, new construction floor and ceiling plans, mezzanine plan, interior elevations, partial exterior elevations, schedules, wall sections and details as required.**
- **Provide construction drawings and specifications at 30%, 60%, 90% and 100% milestones in electronic (PDF) format.**
- **Cost Estimation services at 60% Submittal to establish construction budget.**
- **Preliminary review meeting with COJ Building Department.**
- **Submit 3 sets signed and sealed permit drawings to City of Jacksonville Building Inspection Division, and respond to plan review comments as necessary.**
- **Attend pre-bid meeting and respond to RFI's during competitive bid process, including issuing addenda as required.**
- **Standard construction phase services, to include pre-construction meeting, OAC meetings, response to contractor RFI's, review of submittals, substantial completion walk through.**
- **Record drawings, if required, based on legible as-built documents provided by the contractor at the completion of construction, and changes recorded by the design team as part of the RFI or CO process.**

Civil

- **Research and Due Diligence**
- **Preparation of Utility Plans**
- **Permit Application Preparation and Processing**
- **Project Meetings and Coordination**
- **Geotechnical Exploration and Engineering Services**
- **Topographic Survey**
- **Construction Administration**

Structural

- **Site verification of existing conditions and review of existing structural drawings.**
- **Structural design of new mezzanine framing and foundation plans.**
- **Structural design of masonry infill of exterior openings at new office area.**
- **Design of stair and ramp.**
- **Structural drawings to include plans, sections, details, design notes and specifications.**
- **Wind load design.**
- **Signed and sealed permit drawings.**
- **Drawing submittals at 30%, 60%, 90% and 100% completion.**
- **Standard construction phase services, to include response to RFI's and review of structural submittals.**

Mechanical, Electrical and Plumbing

- **Site verification of existing conditions**
- **Mechanical, Electrical and Plumbing design and construction/permit drawings based on scope as described in this proposal and project meeting minutes.**
- **Coordination with JEA Network and Telecom Services Department**
- **Signed and sealed permit drawings, response to plan review comments as necessary**
- **Drawing submittals at 30%, 60%, 90% and 100% completion.**
- **Respond to RFI's during competitive bid process**
- **Standard construction phase services, to include response to RFI's and review of submittals.**
- **Maximum three (per discipline) construction site observation visits.**

Provided by Client

Client shall provide:

- Existing available drawings, client design standards and other related information for use by Design Team.

Excluded Services

The following services and changes to project scope related to these services are not included in this proposal:

- Fire Protection Engineering Design
- Emergency Power Systems
- Security Systems
- Computer Network Systems
- Phone Systems and Communications
- LEED Administration/Documentation

Schedule

We estimate the following timeline for completion of each phase:

- 30% Design 4 weeks
- 60% Design 4 weeks
- 90% Design 6 weeks

- 100% Design 2 weeks
- Permit Phase 12 weeks
- Bid Phase 12 weeks
- Construction 20-24 weeks (estimated)

Compensation

Based on the information contained herein, Rodriguez Architecture, LLC and our Engineering Consultants intend to provide the Basic Services listed as follows:

PROFESSIONAL SERVICES

DESIGN SERVICES

- Architectural: $ 74,400.00
- Structural: $ 8,500.00
- MEP: $ 31,985.00
- Civil: $ 14,250.00
- **Total: $129,135.00**

CONSTRUCTION PHASE SERVICES

- Architectural: $ 18,600.00
- Structural: $ 1,500.00
- MEP: $ 8,025.00
- Civil: $ 2,400.00
- **Total: $ 30,525.00**

DIRECT COSTS/EXPENSES

- Geotechnical Services: $ 2,300.00
- Topographic Survey: $ 3,800.00
- COJ Permit Review Fees: $ 1,000.00 (Allowance)
- Cost Estimation Services $ 3,000.00 (Provided at 60% Design Submittal)
- **Total: $ 10,100.00**

GRAND TOTAL $169,760.00

Payment Schedule

Invoicing shall be submitted to JEA per the following milestone schedule:

- Direct Costs: $ 10,100.00 (Invoiced upon delivery of each item)
- 30% Design: $ 34,085.00
- 60% Design: $ 39,165.00
- 90% Design: $ 43,115.00
- Final Design: $ 12,770.00
  SUBTOTAL $139,235.00
- Construction Phase: $ 30,525.00 (Invoiced monthly based on construction percentage completion)
  TOTAL $169,760.00

Payments on invoices are customarily due within fifteen (15) days of receipt of invoice and considered past due after thirty (30) days.

Reimbursable Expenses

Out-of-pocket expenses such as computer plotting, reprographics, photocopies, courier services, additional unforeseen agency fees, etc. will be considered as reimbursable expenses and billed in addition to the base fees listed above at direct cost with a 1.1 multiplier.

Late Payments

Accounts unpaid for 30 days after the invoice date may be subject to a monthly service charge of 1.5% (or the legal rate) on the then unpaid balance. In the event any portion of the account remains unpaid 90 days after billing, the Client shall pay all costs of collection, including reasonable attorney's fees.

Indemnification

Per JEA Solicitation No. 099-20 Par. 5.2 INDEMNIFICATION (CCNA – JEA STANDARD)

Limitation of Liability

Per JEA Solicitation No. 099-20 Par. 5.5 LIMITATION OF LIABILITY

Pursuant to Florida Statutes 558.0035 (2013) an individual employee or agent of Rodriguez Architecture may not be held individually liable for negligence.

Dispute Resolution

Any claim, dispute or other matter in question arising out of or related to this Agreement shall be subject to non-binding mediation as a condition precedent to arbitration or the institution of legal or equitable proceedings by either party.

Termination of Services

Per JEA Solicitation No. 099-20 Par. 7.2 TERMINATION FOR CONVENIENCE and Par. 7.3 TERMINATION FOR DEFAULT.

Ownership of Documents

Per JEA Solicitation No. 099-20 Par. 9.3 OWNERSHIP OF DOCUMENTS AND EQUIPMENT.

Additional Services

For work performed by Rodriguez Architecture on an hourly basis outside the base fee contract, the following fee schedule is applicable:

President / Architect of Record	$ 180.00
Architect / Project Manager	$ 150.00
CAD Technician	$ 100.00
Administrative	$ 85.00

Additional services rates for our engineering consultants are as stated in their individual proposals.

Summary

We appreciate the opportunity to submit this proposal for A/E services. Please do not hesitate to contact us with any questions or concerns. We look forward to working with you on this project.

Sincerely,

RODRIGUEZ ARCHITECTURE, LLC

Joanna C. Rodriguez, AIA, LEED AP BD+C
President

_____

Proposal Accepted By **Date**

Cc:
Matthew Poteet
William A. Breadon

Attachments:
Engineering Fee Proposals – Star Structure, Inc., Matthews Design Group (MDG), Powell and Hinkle Engineering (PHE)
Site meeting minutes of 1/6/21 and 1/12/21

Formal Bid and Award System

Award #6 March 4, 2021

Type of Award Request: REQUEST FOR PROPOSAL (RFP)
Request #: 3
Requestor Name: Meyer, Tim
Requestor Phone: 904-665-4871
Project Title: Steam and Combustion Turbine Maintenance, Repair and Overhaul Services for JEA
Project Number: See Attached Budget Forecast
Project Location: JEA
Funds: Capital & O&M
Budget Estimate: $27,100,000.00
Scope of Work:

The purpose of this solicitation is to contract for turbine maintenance, repair and overhaul services. Services include, but are not limited to steam and combustion turbine inspections, repairs and overhaul during outages and during operations. The company will be responsible to provide tools, equipment, man power, materials and services to support JEA's steam and combustion turbines.

JEA IFB/RFP/State/City/GSA#: 1410190446
Documents Contract & Purchase orders as requested
Purchasing Agent: Lovgren, Rodney
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
MECHANICAL DYNAMICS & ANALYSIS LLC	Tim Allison	tallison@MDAturbines.com	19 British American Blvd, Latham, NY 12110	(352)834-8880	$14,000,000.00

Amount for entire term of Contract/PO: $14,000,000.00
Award Amount for remainder of this FY: $500,000.00
Length of Contract/PO Term: Five (5) years w/ Two (2) - 1 Yr. Renewals
Begin Date (mm/dd/yyyy): 03/09/2021
End Date (mm/dd/yyyy): 03/08/2026
Renewals: Yes - Two (2) - 1 Yr. Renewals
JSEB Requirement: N/A - Optional
BIDDERS:

Name	Total Amount	Total Points
MECHANICAL DYNAMICS & ANALYSIS LLC	$11,722,449.39	97.6
ALLIED POWER GROUP	$11,151,808.00	77.0
GE STEAM POWER INC	$12,728,259.92	66.8
ST. COTTER	$10,408,949.26	DQ – Did not meet Minimum Qualifications

Background/Recommendations:

Advertised on 10/23/2020. Five (5) companies attended the optional Pre-bid on 10/27/2020, At Proposal opening on 12/15/2021, JEA received four (4) Proposals. JEA disqualified St. Cotter on the basis of not meeting the minimum qualifications. JEA evaluated the Proposals on the basis of price, depth and breadth of shop services and past performance (company experience). JEA determined Mechanical Dynamics & Analysis LLC (MD&A) to be the responsive and responsible Proposer with the highest evaluation score. A copy of the Proposal and Evaluation Summary is attached as backup.

Pricing was submitted based for specific outage scopes (Unit Price) and Time & Materials rates (T&M) for discovery and emergent work. When comparing the MD&A submitted fixed price and T&M rates with their historical rates (MD&A is the incumbent), the rates submitted for this RFP were on an aggregate basis approximately 0.2% higher than historical rates and is deemed to be reasonable.

JEA and MD&A negotiated terms and conditions. The following are the notable terms negotiations.

- Escalation – JEA proposed a CPI annually, negotiated position, fixed first two years. Review & mutually agree to pricing adjustments in years 3, 4 and 5 for units and rates with a not to exceed 2.5% on any rate. Based on an evaluation of CPI (using historical average of 1.7% annually) vs. the negotiated position. The negotiated position provides an estimated $47,825.30 cost avoidance.
- Discounts were agreed to based on an annual spend (from 2-3%) to be applied via credits or rebate check at JEA's discretion. The discount scale is as follows:
    - 0 – 999,999 – 0%
    - 1,000,000 – 1,999,999 – 2%
    - 2,000,000 – 3,999,999 – 2.5%
    - 4,000,000 or more – 3%
- Bonds will be per project, MD&A will maintain insurance coverages approved by JEA Risk Management for the duration of the contract.

As this is a services contract, JEA forecast outages and is funding this contract based on the current funding and project list available. The business unit will return periodically during the life of the contract to add additional funds as needed.

1410190446 – Request approval to award a contract to Mechanical Dynamics & Analysis LLC, for steam and combustion turbine maintenance, repair and overhaul services in the amount of $14,000,000.00, subject to the availability of lawfully appropriated funds.

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

APPROVALS:

_____

Chairman, Awards Committee **Date**

_____

Budget Representative **Date**

Appendix B Forms solicitation # 1410190446 Turbine maintenance, overhaul & repair services for JEA
Submit an electronic version, signed pdf version of this form uploaded to JEA's sourcing platform (Zycus online sourcing platform), prior to Bid Close Date & Time (Bid Due Date).

Appendix B Proposal Form

Company Name: Mechanical Dynamics & Analysis LLC

Company's Address 19 British American Blvd., Latham, NY 12110

License Number:

Phone Number: 518-399-3616 FAX No: 518-399-3929 Email Address: tallison@mdaturbines.com

BID SECURITY REQUIREMENTS
- ☐ None required
- ☒ Certified Check or Bond Five Percent ~~(5%)~~ (1%)

TERM OF CONTRACT
- ☐ One Time Purchase
- ☐ Annual Requirements
- ☐ Other, Specify - Project Completion

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

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

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

INSURANCE

Insurance required

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

Description of Services	TOTAL BID PRICE
Total Bid Price for Work as described in this Solicitation from the Quotation of Rates (Bid Workbook)	**$11,722,449.39**

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

BIDDER CERTIFICATION

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

We have received addenda 1, 2, and 3

Handwritten Signature of Authorized Officer of Company or Agent

Date
11/11/20 through 12/1/2020

Tim Allison, MD&A Manager Contracts and Proposals
Printed Name and Title

Submit an electronic version, signed pdf version of this form uploaded to JEA's sourcing platform (Zycus online sourcing platform), prior to Bid Close Date & Time (Bid Due Date).

GENERAL

Item Information				Baseline Costs	Demand Information				Pricing Information		Total Cost
Attachment(s)	Item No.	Item Name	Item Description	Target Price	Price Type	Est Qty	Qty	UOM	Unit Price	Discount Percentage	Total Cost
									Value	Value	
0 file(s)	1	Boiler Feedpump Steam Turbine (EACH)	Mobilize/Demobilize	0.00	Bulk	1.00	1.00	UOM	13,483.20	0.00	13,483.20
0 file(s)	2	Boiler Feedpump Steam Turbine (EACH)	Disassembly	0.00	Bulk	1.00	1.00	UOM	94,380.48	0.00	94,380.48
0 file(s)	3	Boiler Feedpump Steam Turbine (EACH)	Clean/Inspect	0.00	Bulk	1.00	1.00	UOM	53,931.84	0.00	53,931.84
0 file(s)	4	Boiler Feedpump Steam Turbine (EACH)	Reassembly**Tight Wire Alignment is included in the reassembly pricing.	0.00	Bulk	1.00	1.00	UOM	107,862.72	0.00	107,862.72
0 file(s)	5	Boiler Feedpump Steam Turbine (EACH)	Tooling	0.00	Bulk	1.00	1.00	UOM	27,739.20	0.00	27,739.20
0 file(s)	6	40MW - 100MW Units (4 Week Outage)	Mobilize/Demobilize	0.00	Bulk	1.00	1.00	UOM	38,700.09	0.00	38,700.09
0 file(s)	7	40MW - 100MW Units (4 Week Outage)	Disassembly	0.00	Bulk	1.00	1.00	UOM	270,901.60	0.00	270,901.60
0 file(s)	8	40MW - 100MW Units (4 Week Outage)	Clean/Inspect	0.00	Bulk	1.00	1.00	UOM	154,801.33	0.00	154,801.33
0 file(s)	9	40MW - 100MW Units (4 Week Outage)	Reassembly**Tight Wire Alignment is included in the reassembly pricing.	0.00	Bulk	1.00	1.00	UOM	309,600.72	0.00	309,600.72
0 file(s)	10	40MW - 100MW Units (4 Week Outage)	Generator Testing	0.00	Bulk	1.00	1.00	UOM	49,030.59	0.00	49,030.59
0 file(s)	11	40MW - 100MW Units (4 Week Outage)	Tooling	0.00	Bulk	1.00	1.00	UOM	55,864.24	0.00	55,864.24
0 file(s)	12	101MW - 250MW Units (4 Week Outage)	Mobilize/Demobilize	0.00	Bulk	1.00	1.00	UOM	48,107.05	0.00	48,107.05
0 file(s)	13	101MW - 250MW Units (4 Week Outage)	Disassembly	0.00	Bulk	1.00	1.00	UOM	336,748.40	0.00	336,748.40
0 file(s)	14	101MW - 250MW Units (4 Week Outage)	Clean/Inspect	0.00	Bulk	1.00	1.00	UOM	192,427.25	0.00	192,427.25
0 file(s)	15	101MW - 250MW Units (4 Week Outage)	Reassembly**Tight Wire Alignment is included in the reassembly pricing.	0.00	Bulk	1.00	1.00	UOM	384,855.45	0.00	384,855.45
0 file(s)	16	101MW - 250MW Units (4 Week Outage)	Generator Testing	0.00	Bulk	1.00	1.00	UOM	54,340.95	0.00	54,340.95
0 file(s)	17	101MW - 250MW Units (4 Week Outage)	Tooling	0.00	Bulk	1.00	1.00	UOM	54,712.40	0.00	54,712.40
0 file(s)	18	251MW - 540MW Units (5 Week Outage)	Mobilize/Demobilize	0.00	Bulk	1.00	1.00	UOM	61,941.90	0.00	61,941.90
0 file(s)	19	251MW - 540MW Units (5 Week Outage)	Disassembly	0.00	Bulk	1.00	1.00	UOM	433,598.05	0.00	433,598.05
0 file(s)	20	251MW - 540MW Units (5 Week Outage)	Clean/Inspect	0.00	Bulk	1.00	1.00	UOM	247,770.45	0.00	247,770.45
0 file(s)	21	251MW - 540MW Units (5 Week Outage)	Reassembly**Tight Wire Alignment is included in the reassembly pricing.	0.00	Bulk	1.00	1.00	UOM	495,541.85	0.00	495,541.85
0 file(s)	22	251MW - 540MW Units (5 Week Outage)	Generator Testing	0.00	Bulk	1.00	1.00	UOM	60,457.05	0.00	60,457.05
0 file(s)	23	251MW - 540MW Units (5 Week Outage)	Tooling	0.00	Bulk	1.00	1.00	UOM	54,712.40	0.00	54,712.40
0 file(s)	24	NGS CT 7B Major (typical) (4 Weeks)	Mobilize/Demobilize	0.00	Bulk	1.00	1.00	UOM	24,500.00	0.00	24,500.00
0 file(s)	25	NGS CT 7B Major (typical) (4 Weeks)	Disassembly	0.00	Bulk	1.00	1.00	UOM	245,600.00	0.00	245,600.00
0 file(s)	26	NGS CT 7B Major (typical) (4 Weeks)	Clean/Inspect	0.00	Bulk	1.00	1.00	UOM	125,000.00	0.00	125,000.00
0 file(s)	27	NGS CT 7B Major (typical) (4 Weeks)	Reassembly**Tight Wire Alignment is included in the reassembly pricing.	0.00	Bulk	1.00	1.00	UOM	322,500.00	0.00	322,500.00
0 file(s)	28	NGS CT 7B Major (typical) (4 Weeks)	Generator Testing	0.00	Bulk	1.00	1.00	UOM	92,545.00	0.00	92,545.00
0 file(s)	29	NGS CT 7B Major (typical) (4 Weeks)	Tooling	0.00	Bulk	1.00	1.00	UOM	31,550.00	0.00	31,550.00
0 file(s)	30	NGS N03 Turb/Gen Major (5 Week Outage)	Mobilize/Demobilize	0.00	Bulk	1.00	1.00	UOM	95,422.00	0.00	95,422.00
0 file(s)	31	NGS N03 Turb/Gen Major (5 Week Outage)	Disassembly	0.00	Bulk	1.00	1.00	UOM	438,941.00	0.00	438,941.00
0 file(s)	32	NGS N03 Turb/Gen Major (5 Week Outage)	Clean/Inspect	0.00	Bulk	1.00	1.00	UOM	572,531.00	0.00	572,531.00
0 file(s)	33	NGS N03 Turb/Gen Major (5 Week Outage)	Reassembly**Tight Wire Alignment is included in the reassembly pricing.	0.00	Bulk	1.00	1.00	UOM	667,953.00	0.00	667,953.00
0 file(s)	34	NGS N03 Turb/Gen Major (5 Week Outage)	Generator Testing	0.00	Bulk	1.00	1.00	UOM	76,337.00	0.00	76,337.00
0 file(s)	35	NGS N03 Turb/Gen Major (5 Week Outage)	Tooling	0.00	Bulk	1.00	1.00	UOM	57,253.00	0.00	57,253.00
0 file(s)	36	40MW - 100MW Units Individual Item Pricing for Component - High Pressure Turbine	Mobilize/Demobilize	0.00	Bulk	1.00	1.00	UOM	21,269.19	0.00	21,269.19
0 file(s)	37	40MW - 100MW Units Individual Item Pricing for Component - High Pressure Turbine	Disassembly	0.00	Bulk	1.00	1.00	UOM	148,886.27	0.00	148,886.27

0 file(s)	38	40MW - 100MW Units Individual Item Pricing for Component - High Pressure Turbine	Clean/Inspection	0.00	Bulk	1.00	1.00 UOM	85,077.73	0.00	85,077.73
0 file(s)	39	40MW - 100MW Units Individual Item Pricing for Component - High Pressure Turbine	Reassembly	0.00	Bulk	1.00	1.00 UOM	170,154.49	0.00	170,154.49
0 file(s)	40	40MW - 100MW Units Individual Item Pricing for Component - High Pressure Turbine	Tooling	0.00	Bulk	1.00	1.00 UOM	40,975.71	0.00	40,975.71
0 file(s)	41	40MW - 100MW Units Individual Item Pricing for Component - Low Pressure Turbine	Mobilize/Demobilize	0.00	Bulk	1.00	1.00 UOM	11,210.29	0.00	11,210.29
0 file(s)	42	40MW - 100MW Units Individual Item Pricing for Component - Low Pressure Turbine	Disassembly	0.00	Bulk	1.00	1.00 UOM	78,467.18	0.00	78,467.18
0 file(s)	43	40MW - 100MW Units Individual Item Pricing for Component - Low Pressure Turbine	Clean/Inspection	0.00	Bulk	1.00	1.00 UOM	44,838.25	0.00	44,838.25
0 file(s)	44	40MW - 100MW Units Individual Item Pricing for Component - Low Pressure Turbine	Reassembly	0.00	Bulk	1.00	1.00 UOM	89,675.53	0.00	89,675.53
0 file(s)	45	40MW - 100MW Units Individual Item Pricing for Component - Low Pressure Turbine	Tooling	0.00	Bulk	1.00	1.00 UOM	29,717.89	0.00	29,717.89
0 file(s)	46	40MW - 100MW Units Individual Item Pricing for Component - Generator	Mobilize/Demobilize	0.00	Bulk	1.00	1.00 UOM	8,998.69	0.00	8,998.69
0 file(s)	47	40MW - 100MW Units Individual Item Pricing for Component - Generator	Disassembly	0.00	Bulk	1.00	1.00 UOM	62,989.86	0.00	62,989.86
0 file(s)	48	40MW - 100MW Units Individual Item Pricing for Component - Generator	Clean/Inspection	0.00	Bulk	1.00	1.00 UOM	35,993.79	0.00	35,993.79
0 file(s)	49	40MW - 100MW Units Individual Item Pricing for Component - Generator	Reassembly	0.00	Bulk	1.00	1.00 UOM	71,989.52	0.00	71,989.52
0 file(s)	50	40MW - 100MW Units Individual Item Pricing for Component - Generator	Testing	0.00	Bulk	1.00	1.00 UOM	55,864.24	0.00	55,864.24
0 file(s)	51	40MW - 100MW Units Individual Item Pricing for Component - Generator	Tooling	0.00	Bulk	1.00	1.00 UOM	30,516.20	0.00	30,516.20
0 file(s)	52	40MW - 100MW Units Individual Item Pricing for Component - Valves	Mobilize/Demobilize	0.00	Bulk	1.00	1.00 UOM	12,070.68	0.00	12,070.68
0 file(s)	53	40MW - 100MW Units Individual Item Pricing for Component - Valves	Disassembly	0.00	Bulk	1.00	1.00 UOM	84,495.73	0.00	84,495.73
0 file(s)	54	40MW - 100MW Units Individual Item Pricing for Component - Valves	Clean/Inspection	0.00	Bulk	1.00	1.00 UOM	48,282.72	0.00	48,282.72
0 file(s)	55	40MW - 100MW Units Individual Item Pricing for Component - Valves	Reassembly	0.00	Bulk	1.00	1.00 UOM	96,565.44	0.00	96,565.44
0 file(s)	56	40MW - 100MW Units Individual Item Pricing for Component - Valves	Tooling	0.00	Bulk	1.00	1.00 UOM	27,692.53	0.00	27,692.53
0 file(s)	57	101MW - 250MW Units Individual Item Pricing for Component - High Pressure Turbine	Mobilize/Demobilize	0.00	Bulk	1.00	1.00 UOM	28,506.65	0.00	28,506.65
0 file(s)	58	101MW - 250MW Units Individual Item Pricing for Component - High Pressure Turbine	Disassembly	0.00	Bulk	1.00	1.00 UOM	199,547.50	0.00	199,547.50
0 file(s)	59	101MW - 250MW Units Individual Item Pricing for Component - High Pressure Turbine	Clean/Inspection	0.00	Bulk	1.00	1.00 UOM	114,025.65	0.00	114,025.65
0 file(s)	60	101MW - 250MW Units Individual Item Pricing for Component - High Pressure Turbine	Reassembly	0.00	Bulk	1.00	1.00 UOM	228,054.15	0.00	228,054.15
0 file(s)	61	101MW - 250MW Units Individual Item Pricing for Component - High Pressure Turbine	Tooling	0.00	Bulk	1.00	1.00 UOM	41,994.75	0.00	41,994.75
0 file(s)	62	101MW - 250MW Units Individual Item Pricing for Component - Low Pressure Turbine	Mobilize/Demobilize	0.00	Bulk	1.00	1.00 UOM	23,986.55	0.00	23,986.55

0 file(s)	63	101MW - 250MW Units Individual Item Pricing for Component - Low Pressure Turbine	Disassembly	0.00	Bulk	1.00	1.00	UOM	167,907.75	0.00	167,907.75
0 file(s)	64	101MW - 250MW Units Individual Item Pricing for Component - Low Pressure Turbine	Clean/Inspection	0.00	Bulk	1.00	1.00	UOM	95,947.15	0.00	95,947.15
0 file(s)	65	101MW - 250MW Units Individual Item Pricing for Component - Low Pressure Turbine	Reassembly	0.00	Bulk	1.00	1.00	UOM	191,894.30	0.00	191,894.30
0 file(s)	66	101MW - 250MW Units Individual Item Pricing for Component - Low Pressure Turbine	Tooling	0.00	Bulk	1.00	1.00	UOM	40,371.20	0.00	40,371.20
0 file(s)	67	101MW - 250MW Units Individual Item Pricing for Component - Generator	Mobilize/Demobilize	0.00	Bulk	1.00	1.00	UOM	13,908.00	0.00	13,908.00
0 file(s)	68	101MW - 250MW Units Individual Item Pricing for Component - Generator	Disassembly	0.00	Bulk	1.00	1.00	UOM	97,356.95	0.00	97,356.95
0 file(s)	69	101MW - 250MW Units Individual Item Pricing for Component - Generator	Clean/Inspection	0.00	Bulk	1.00	1.00	UOM	55,633.90	0.00	55,633.90
0 file(s)	70	101MW - 250MW Units Individual Item Pricing for Component - Generator	Reassembly	0.00	Bulk	1.00	1.00	UOM	111,265.90	0.00	111,265.90
0 file(s)	71	101MW - 250MW Units Individual Item Pricing for Component - Generator	Testing	0.00	Bulk	1.00	1.00	UOM	54,712.40	0.00	54,712.40
0 file(s)	72	101MW - 250MW Units Individual Item Pricing for Component - Generator	Tooling	0.00	Bulk	1.00	1.00	UOM	33,556.85	0.00	33,556.85
0 file(s)	73	101MW - 250MW Units Individual Item Pricing for Component - Valves	Mobilize/Demobilize	0.00	Bulk	1.00	1.00	UOM	13,170.80	0.00	13,170.80
0 file(s)	74	101MW - 250MW Units Individual Item Pricing for Component - Valves	Disassembly	0.00	Bulk	1.00	1.00	UOM	92,192.75	0.00	92,192.75
0 file(s)	75	101MW - 250MW Units Individual Item Pricing for Component - Valves	Clean/Inspection	0.00	Bulk	1.00	1.00	UOM	52,681.30	0.00	52,681.30
0 file(s)	76	101MW - 250MW Units Individual Item Pricing for Component - Valves	Reassembly	0.00	Bulk	1.00	1.00	UOM	105,362.60	0.00	105,362.60
0 file(s)	77	101MW - 250MW Units Individual Item Pricing for Component - Valves	Tooling	0.00	Bulk	1.00	1.00	UOM	29,352.15	0.00	29,352.15
0 file(s)	78	251MW - 540MW Units Individual Item Pricing for Component - High Pressure Turbine	Mobilize/Demobilize	0.00	Bulk	1.00	1.00	UOM	34,156.30	0.00	34,156.30
0 file(s)	79	251MW - 540MW Units Individual Item Pricing for Component - High Pressure Turbine	Disassembly	0.00	Bulk	1.00	1.00	UOM	239,091.25	0.00	239,091.25
0 file(s)	80	251MW - 540MW Units Individual Item Pricing for Component - High Pressure Turbine	Clean/Inspection	0.00	Bulk	1.00	1.00	UOM	136,623.30	0.00	136,623.30
0 file(s)	81	251MW - 540MW Units Individual Item Pricing for Component - High Pressure Turbine	Reassembly	0.00	Bulk	1.00	1.00	UOM	273,246.60	0.00	273,246.60
0 file(s)	82	251MW - 540MW Units Individual Item Pricing for Component - High Pressure Turbine	Tooling	0.00	Bulk	1.00	1.00	UOM	55,136.10	0.00	55,136.10
0 file(s)	83	251MW - 540MW Units Individual Item Pricing for Component - Low Pressure Turbine	Mobilize/Demobilize	0.00	Bulk	1.00	1.00	UOM	27,714.35	0.00	27,714.35
0 file(s)	84	251MW - 540MW Units Individual Item Pricing for Component - Low Pressure Turbine	Disassembly	0.00	Bulk	1.00	1.00	UOM	193,998.55	0.00	193,998.55
0 file(s)	85	251MW - 540MW Units Individual Item Pricing for Component - Low Pressure Turbine	Clean/Inspection	0.00	Bulk	1.00	1.00	UOM	110,855.50	0.00	110,855.50
0 file(s)	86	251MW - 540MW Units Individual Item Pricing for Component - Low Pressure Turbine	Reassembly	0.00	Bulk	1.00	1.00	UOM	221,711.00	0.00	221,711.00
0 file(s)	87	251MW - 540MW Units Individual Item Pricing for Component - Low Pressure Turbine	Tooling	0.00	Bulk	1.00	1.00	UOM	42,041.30	0.00	42,041.30

0 file(s)	88	251MW - 540MW Units Individual Item Pricing for Component - Generator	Mobilize/Demobilize	0.00	Bulk	1.00	1.00 UOM	17,083.85	0.00	17,083.85
0 file(s)	89	251MW - 540MW Units Individual Item Pricing for Component - Generator	Disassembly	0.00	Bulk	1.00	1.00 UOM	119,579.35	0.00	119,579.35
0 file(s)	90	251MW - 540MW Units Individual Item Pricing for Component - Generator	Clean/Inspection	0.00	Bulk	1.00	1.00 UOM	68,331.60	0.00	68,331.60
0 file(s)	91	251MW - 540MW Units Individual Item Pricing for Component - Generator	Reassembly	0.00	Bulk	1.00	1.00 UOM	136,661.30	0.00	136,661.30
0 file(s)	92	251MW - 540MW Units Individual Item Pricing for Component - Generator	Testing	0.00	Bulk	1.00	1.00 UOM	54,712.40	0.00	54,712.40
0 file(s)	93	251MW - 540MW Units Individual Item Pricing for Component - Generator	Tooling	0.00	Bulk	1.00	1.00 UOM	31,607.45	0.00	31,607.45
0 file(s)	94	251MW - 540MW Units Individual Item Pricing for Component - Valves	Mobilize/Demobilize	0.00	Bulk	1.00	1.00 UOM	18,727.35	0.00	18,727.35
0 file(s)	95	251MW - 540MW Units Individual Item Pricing for Component - Valves	Disassembly	0.00	Bulk	1.00	1.00 UOM	131,085.75	0.00	131,085.75
0 file(s)	96	251MW - 540MW Units Individual Item Pricing for Component - Valves	Clean/Inspection	0.00	Bulk	1.00	1.00 UOM	74,905.60	0.00	74,905.60
0 file(s)	97	251MW - 540MW Units Individual Item Pricing for Component - Valves	Reassembly	0.00	Bulk	1.00	1.00 UOM	149,810.25	0.00	149,810.25
0 file(s)	98	251MW - 540MW Units Individual Item Pricing for Component - Valves	Tooling	0.00	Bulk	1.00	1.00 UOM	33,345.95	0.00	33,345.95
0 file(s)	99	Superintendent Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	140.40	0.00	140.40
0 file(s)	100	Foreman Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	68.20	0.00	68.20
0 file(s)	101	Field Engineer Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	222.61	0.00	222.61
0 file(s)	102	Technical Field Advisor Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	200.36	0.00	200.36
0 file(s)	103	Generator Specialist Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	222.61	0.00	222.61
0 file(s)	104	Project Manager Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	242.65	0.00	242.65
0 file(s)	105	Steam Path Engineering Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	242.65	0.00	242.65
0 file(s)	106	Controls Engineer Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	302.76	0.00	302.76
0 file(s)	107	Controls Specialist Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	178.10	0.00	178.10
0 file(s)	108	Blader Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	122.44	0.00	122.44
0 file(s)	109	Machinist Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	122.44	0.00	122.44
0 file(s)	110	Welder Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	122.44	0.00	122.44
0 file(s)	111	Mechanic Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	60.50	0.00	60.50
0 file(s)	112	Generator Technician Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	172.53	0.00	172.53
0 file(s)	113	Winder Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	172.53	0.00	172.53
0 file(s)	114	Balancing Engineer Straight Time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	302.76	0.00	302.76
0 file(s)	115	Superintendent Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	210.60	0.00	210.60
0 file(s)	116	Foreman Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00 UOM	102.30	0.00	102.30

0 file(s)	117	Field Engineer Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	333.93	0.00	333.93
0 file(s)	118	Technical Field Advisor Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	300.53	0.00	300.53
0 file(s)	119	Generator Specialist Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	333.93	0.00	333.93
0 file(s)	120	Project Manager Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	363.97	0.00	363.97
0 file(s)	121	Steam Path Engineering Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	363.97	0.00	363.97
0 file(s)	122	Controls Engineer Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	454.14	0.00	454.14
0 file(s)	123	Controls Specialist Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	267.15	0.00	267.15
0 file(s)	124	Blader Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	183.65	0.00	183.65
0 file(s)	125	Machinist Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	183.65	0.00	183.65
0 file(s)	126	Welder Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	183.65	0.00	183.65
0 file(s)	127	Mechanic Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	90.75	0.00	90.75
0 file(s)	128	Generator Technician Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	258.80	0.00	258.80
0 file(s)	129	Winder Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	258.80	0.00	258.80
0 file(s)	130	Balancing Engineer Over-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	454.14	0.00	454.14
0 file(s)	131	Superintendent Double-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	210.60	0.00	210.60
0 file(s)	132	Foreman Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	102.30	0.00	102.30
0 file(s)	133	Field Engineer Double-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	333.93	0.00	333.93
0 file(s)	134	Technical Field Advisor Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	300.53	0.00	300.53
0 file(s)	135	Generator Specialist Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	333.93	0.00	333.93
0 file(s)	136	Project Manager Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	363.97	0.00	363.97
0 file(s)	137	Steam Path Engineering Double-time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	363.97	0.00	363.97
0 file(s)	138	Controls Engineer Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	454.14	0.00	454.14
0 file(s)	139	Controls Specialist Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	267.15	0.00	267.15
0 file(s)	140	Blader Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	183.65	0.00	183.65
0 file(s)	141	Machinist Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	183.65	0.00	183.65
0 file(s)	142	Welder Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	183.65	0.00	183.65
0 file(s)	143	Mechanic Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	90.75	0.00	90.75
0 file(s)	144	Generator Technician Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	258.80	0.00	258.80
0 file(s)	145	Winder Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	258.80	0.00	258.80
0 file(s)	146	Balancing Engineer Double- time	Hourly Rate based on 8 hours straight time including mob & demob to jobsite	0.00	Bulk	1.00	1.00	UOM	454.14	0.00	454.14
0 file(s)	147	Superintendent	Per Diem Per Day - NTE $125.00 / day	0.00	Bulk	1.00	1.00	UOM	250.00	0.00	250.00

			Per Diem Per Day - NTE							
0 file(s)	148	Foreman	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	160.00	0.00	160.00
			Per Diem Per Day - NTE							
0 file(s)	149	Field Engineer	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
			Per Diem Per Day - NTE							
0 file(s)	150	Technical Field Advisor	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
			Per Diem Per Day - NTE							
0 file(s)	151	Generator Specialist	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
			Per Diem Per Day - NTE							
0 file(s)	152	Project Manager	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
		Steam Path	Per Diem Per Day - NTE							
0 file(s)	153	Engineering	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
			Per Diem Per Day - NTE							
0 file(s)	154	Controls Engineer	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
			Per Diem Per Day - NTE							
0 file(s)	155	Controls Specialist	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
			Per Diem Per Day - NTE							
0 file(s)	156	Blader	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
			Per Diem Per Day - NTE							
0 file(s)	157	Machinist	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
			Per Diem Per Day - NTE							
0 file(s)	158	Welder	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
			Per Diem Per Day - NTE							
0 file(s)	159	Mechanic	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	160.00	0.00	160.00
			Per Diem Per Day - NTE							
0 file(s)	160	Generator Technician	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
			Per Diem Per Day - NTE							
0 file(s)	161	Winder	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
			Per Diem Per Day - NTE							
0 file(s)	162	Balancing Engineer	$125.00 / day	0.00	Bulk	1.00	1.00 UOM	250.00	0.00	250.00
		Turbine Tool Container -								
0 file(s)	163	Outage Tools	Daily Rental	0.00	Bulk	1.00	1.00 UOM	1,113.00	0.00	1,113.00
		Turbine Tool Container -								
0 file(s)	164	Outage Tools	Weekly Rental	0.00	Bulk	1.00	1.00 UOM	6,679.00	0.00	6,679.00
		Turbine Tool Container -	Special							
0 file(s)	165	Outage Tools	Project Rental Cost	0.00	Bulk	1.00	1.00 UOM	0.00	0.00	0.00
		Steam Path Audit -	40MW-100MW							
0 file(s)	166	Structural Audit	Turbine	0.00	Bulk	1.00	1.00 UOM	31,049.00	0.00	31,049.00
		Steam Path Audit -	101MW-250MW							
0 file(s)	167	Structural Audit	Turbine	0.00	Bulk	1.00	1.00 UOM	31,049.00	0.00	31,049.00
		Steam Path Audit -	251MW-540MW							
0 file(s)	168	Structural Audit	Turbine	0.00	Bulk	1.00	1.00 UOM	32,361.00	0.00	32,361.00
		Steam Path Audit -	40MW-100MW							
0 file(s)	169	Thermal Audit	Turbine	0.00	Bulk	1.00	1.00 UOM	11,717.00	0.00	11,717.00
		Steam Path Audit -	101MW-250MW							
0 file(s)	170	Thermal Audit	Turbine	0.00	Bulk	1.00	1.00 UOM	11,717.00	0.00	11,717.00
		Steam Path Audit -	251MW-540MW							
0 file(s)	171	Thermal Audit	Turbine	0.00	Bulk	1.00	1.00 UOM	12,133.00	0.00	12,133.00

Service Groups for Contract	MD&A LLC	Allied Power Group	GE Steam	MD&A Incumbent Pricing	S.T. Cottter Turbine Svs
Subgroup / Service Type	**Unit Price**	**Unit Price**	**Unit Price Red font - Plug #**	**Current Pricing**	**Disqualified**
Boiler Feed pumps (each) Subtotals	**$ 297,397.44**	**$ 361,213.00**	**$ 623,814.50**	$ 309,789.00	$ 285,963.00
40 - 100 MW Unit Outage 4 - week Subtotal	**$ 878,898.57**	**$ 971,570.00**	**$ 1,004,934.24**	$ 906,082.00	$ 784,231.00
101-250 MW Unit Outage 4 - week Subtotal	**$ 1,071,191.50**	**$ 1,228,304.00**	**$ 1,260,516.40**	$ 1,127,569.00	$ 875,727.00
251-540 MW Outage - 5 week outage	**$ 1,354,021.70**	**$ 1,016,227.00**	**$ 1,589,262.20**	$ 1,425,285.00	$ 1,682,041.00
NGS - CT 7 Major Subtotals	**$ 841,695.00**	**$ 785,000.00**	**$ 885,050.00**	$ 885,050.00	$ 558,420.00
NGS Unit 3 Turbine / Generator Major 5 - week subtotal	**$ 1,908,437.00**	**$ 896,500.00**	**$ 1,486,435.90**	$ 1,425,285.00	$ 1,575,671.00
40-100 MW High Pressure Turbine Subtotal (per component)	**$ 466,363.39**	**$ 477,828.00**	**$ 496,803.71**	$ 480,787.00	$ 342,456.00
40-100 MW Low Pressure Turbine (per component)	**$ 253,909.14**	**$ 269,588.00**	**$ 277,305.89**	$ 261,762.00	$ 352,617.00
40-100 MW Generator (per component)	**$ 266,352.30**	**$ 346,046.00**	**$ 354,562.20**	$ 274,590.00	$ 413,497.00
40-100 MW Valves (per component)	**$ 269,107.10**	**$ 266,401.00**	**$ 278,093.53**	$ 277,430.00	$ 307,376.00
101-250 MWHigh Pressure Turbine (per component	**$ 612,128.70**	**$ 634,975.00**	**$ 660,969.75**	$ 644,346.00	$ 341,769.00
101-250 MW Low Pressure Turbine (per component)	**$ 520,106.95**	**$ 528,114.00**	**$ 552,821.75**	$ 547,481.00	$ 371,701.00
101-250 Generator (per component)	**$ 366,434.00**	**$ 423,452.00**	**$ 459,042.70**	$ 385,720.00	$ 450,884.00
101-250 MW Valves (per component)	**$ 292,759.60**	**$ 308,054.00**	**$ 315,406.15**	$ 308,168.00	$ 325,433.00
251-540 MW High Pressure Turbine (per item)	**$ 738,253.55**	**$ 764,472.00**	**$ 797,608.10**	$ 777,109.00	$ 384,016.00
251-540 Low Pressure Turbine (per Item)	**$ 596,320.70**	**$ 631,693.00**	**$ 651,734.30**	$ 627,706.00	$ 333,522.00
251-540 MW Generator (per component)	**$ 427,975.95**	**$ 523,912.00**	**$ 548,027.05**	$ 450,501.00	$ 495,244.00
251-540 MW Valves (per component)	**$ 407,874.90**	**$ 401,388.00**	**$ 427,233.95**	$ 429,342.00	$ 337,134.00
T&M Rates Subtotal	**$ 15,403.90**	**$ 14,027.00**	**$ 15,435.60**	$ 16,671.69	$ 16,597.26
Ad Hoc Subtotals	**$ 137,818.00**	**$ 303,044.00**	**$ 43,202.00**	$ 138,228.00	$ 174,650.00
Pricing Totals - From Bid Workbook	**$ 11,722,449.39**	**$ 11,151,808.00**	**$ 12,728,259.92**	**$ 11,698,901.69**	**$ 10,408,949.26**
Price Points Total (50 points)	**47.6**	**50.0**	**43.8**	$ (23,547.70)	**DQ'd**
Depth & Breadth of Shop Services (20 points) Gas 10 & Steam 10	**20.0**	**12.0**	**10.0**	**Savings**	
Experience - Past Performance (30 points) (	**30.0**	**15.0**	**13.0**		
Total Points	**97.6**	**77.0**	**66.8**		

Baseline Position	CPI Average		1.7%	10 year historical average			
	Factor		1.017				
	Bid Price	$ 11,722,449.39					
	Annual	$ 2,344,489.88					
	Year 1	Year 2	Year 3	Year 4	Year 5	Estimated Total	
	$ 2,344,489.88	$ 2,384,346.21	$ 2,424,880.09	$ 2,466,103.05	$ 2,508,026.80	$ 12,127,846.03	Baseline
Worst Case Negotiated Position	Fixed first two years						Estimated Cost Avoidance
	Worst Case all rates increase 2.5% years 3, 4 and 5						
	Factor		1.025				
	Year 1	Year 2	Year 3	Year 4	Year 5	Estimated Total	
	$ 2,344,489.88	$ 2,344,489.88	$ 2,403,102.12	$ 2,463,179.68	$ 2,524,759.17	$ 12,080,020.73	$ 47,825.30
Likely Case - 50% of rates increase a max of 2.5%	Fixed first two years						Estimated Cost Avoidance
	1.0125						
	Likely Case mutually agreed to rates increase in 2.5% in years 3, 4 and 5 (assume 50% of the rates increase 50%)						
	Year 1	Year 2	Year 3	Year 4	Year 5	Estimated Total	
	$ 2,344,489.88	$ 2,344,489.88	$ 2,373,796.00	$ 2,403,468.45	$ 2,433,511.81	$ 11,899,756.02	$ 228,090.02
Best Case, No Rates increase	Fixed first two years						Estimated Cost Avoidance
	1.0125						
	Likely Case mutually agreed to rates increase in 2.5% in years 3, 4 and 5 (assume 50% of the rates increase 50%)						
	Year 1	Year 2	Year 3	Year 4	Year 5	Estimated Total	
	$ 2,344,489.88	$ 2,344,489.88	$ 2,373,796.00	$ 2,403,468.45	$ 2,433,511.81	$ 11,899,756.02	$ 180,264.71

Steam and Combustion Turbine Services

Outage Schedule by FY	PN	FY21	FY22	FY23	FY24	FY25	FY26	FY27
CT3 Major (spring 2022)	060-181		$ 2,800,000					
N03 Turb / Gen Major (Fall 2021)	060-199 060-200 060-201 R12X30300 Line 617	$ 500,000	$ 5,100,000					
CT4 Major (Spring 2022)	060-182		$ 2,800,000					
N01 HP/IP & Gen Major (Fall 2023)	TBD				$ 3,000,000			
N02 HP/IP & Gen Major (Fall 2025)	TBD						$ 3,000,000	
CT5 Major (Spring 2021)	060-183					$ 2,800,000		
CT6 Major (Spring 2021)	TBD						$ 2,800,000	
N03 Gen / Vlv insp / BFPT (Fall 2026)	TBD							$ 1,500,000
CT3 Major (Spring 2027	TBD							$ 2,800,000
FY Forecast Totals		**$ 500,000**	**$ 10,700,000**	**$ -**	**$ 3,000,000**	**$ 2,800,000**	**$ 5,800,000**	**$ 4,300,000**
FY Funded Totals with PN's		**$ 500,000**	**$ 10,700,000**	**$ -**		**$ 2,800,000**		

FY Forecast Totals	**$ 27,100,000**
FY Funded Totals with PN's	**$ 14,000,000**

Formal Bid and Award System

Award #7 March 4, 2021

Type of Award Request: CONTRACT AMENDMENT
Requestor Name: West, Hugh
Requestor Phone: (904) 665-4409
Project Title: Engineering Services for Nassau Regional Water Reclamation Facility Projects
Project Number: 108-55, 870-08
Project Location: JEA
Funds: Capital
Budget Estimate: $9,800,000.00 (Phase 2 Estimate)
Scope of Work:

Currently there are multiple projects planned that directly impact the Nassau Regional Water Reclamation Facility (WRF). The goal is to manage all planned projects under one Consultant to provide clear oversight, better alignment of schedules and shorten project timelines.

The following are major components of the project which include expansion alternatives analysis, evaluation of effluent disposal alternatives, review of options for recovering disposal capacity of existing disposal wetlands, on-site drainage improvement recommendations, evaluation of methods to stabilize on-site rapid infiltration basin (RIB) systems and design and services during construction of the Radio Avenue Reclaimed Water Booster Pump Station.

JEA IFB/RFP/State/City/GSA#: 071-17
Purchasing Agent: Kruck, Daniel
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
HAZEN AND SAWYER	John C Burke	jcburke@ hazenandsawyer.com	6675 Corporate Center Pkwy, Ste 330, Jacksonville, FL 32216	(904) 296-1503	$9,630,444.00

Amount of Original Award: $2,992,322.00
Date of Original Award: 04/05/2018
Change Order Amount: $9,630,444.00

List of Previous Change Order/Amendments:

CPA #	Amount	Date	Reason
173591	$67,608.00	06/12/2018	Add wetlands sampling and analysis efforts
173591	$2,194.00	07/11/2018	Add gopher tortoise evaluation and wetland site inspections
173591	$2,384.00	08/14/2018	Add US Army Corps of Engineers determination letter for wetlands

173591	$17,072.00	04/04/2019	Increased survey and geotechnical due to change in access road route
173591	$161,071.00	07/31/2020	Feasibility and permitting for an aquifer recharge/deep injection well for reclaimed water management in Nassau County
173591	$48,756.00	10/15/2020	Modify final design documents for the Radio Ave pump station due to changes made by JEA after the 90% review

New Not-To-Exceed Amount: $12,921,851.00
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 05/01/2018
End Date (mm/dd/yyyy): Project Completion (Expected: October 2024)
JSEB Requirement: Ten Percent (10%) Evaluation Criteria
Comments on JSEB Requirements:

Original Award
RE Holland (Surveying) - 7.7%
Four Waters Engineering (Civil Design, QA/QC) - 4.3%
Meskel and Associates (Civil Design, QA/QC, Geotechnical) - 1%
Onsite EC (Gopher Tortoise Surveys) - 0.1%

This Amendment
Smith Surveying Group (Survey) – 1.35%
Four Waters Engineering (Civil) – 3.18%
Meskel & Associates Engineering (Geotechnical) – 1.59%
Onsite Environmental Consulting (Wetlands) – 0.41%
Eng Engineering (HVAC) – 0.49%

Background/Recommendations:

Originally approved by Awards Committee on 04/05/2018 in the amount of $2,992,322.00 to Hazen and Sawyer. A copy of the original award is attached as backup. Administrative change orders were previously approved as shown in the table above.

This award request is for a change order to the design contract of Hazen and Sawyer for engineering services for the Nassau Regional Water Reclamation Facility Projects for Phase 2 design services. Phase 1 of this engineering project approved by the Awards Committee was for an initial studies for the Nassau WRF projects. Through this study process, JEA was able to refine scope for the upgrade projects. The proposed Phase 2 amount is 1.73% below JEA's updated estimate for the Phase 2 work and deemed reasonable. JEA used CPI adjusted hourly rates to develop the award amount for this new scope of work. The contract amendment fee quote is attached as backup.

Request approval to award a contract amendment to Hazen and Sawyer for additional design and engineering services during construction for the Engineering Services for Nassau Regional Water Reclamation Facility Projects in the amount of $9,630,444.00, for a new not-to-exceed amount of $12,921,851.00, subject to the availability of lawfully appropriated funds.

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

APPROVALS:

_____

Chairman, Awards Committee **Date**

_____

Budget Representative **Date**

Approved by the JEA Awards Committee
Date 4/5/2018 Item # 4

Formal Bid and Award System

CPA 173591

Award #4 April 5, 2018

Type of Award Request: PROPOSAL (RFP)
Request #: 710
Requestor Name: Perkins, Timothy E. (Randstad)
Requestor Phone: (904) 665-4303
Project Title: Engineering Services for Nassau Regional Water Reclamation Facility Projects
Project Number: 8004271
Project Location: JEA
Funds: Capital
Award Estimate: $3,565,000.00
Scope of Work:

Currently there are multiple projects planned that directly impact the Nassau Regional Water Reclamation Facility (WRF). The goal is to manage all planned projects under one Consultant to provide clear oversight, better alignment of schedules and shorten project timelines.

The following is a list of the major components of the project: expansion alternatives analysis, evaluation of effluent disposal alternatives, review of options for recovering disposal capacity of existing disposal wetlands, on-site drainage improvement recommendations, evaluation of methods to stabilize on-site rapid infiltration basin (RIB) systems and design and services during construction of the Radio Avenue Reclaimed Water Booster Pump Station.

JEA IFB/RFP/State/City/GSA#: 071-17
Purchasing Agent: Kruck, Daniel (Dan) R.
Is this a Ratification?: NO

RECOMMENDED AWARDEE(S):

Name	Contact Name	Address	Phone	Amount
HAZEN AND SAWYER P C	John C Burke	4110 Southpoint Blvd Southpoint Square No-219 Jacksonville FL 32216	(904) 296-1503	$2,992,322.00

Amount for entire term of Contract/PO: $2,992,322.00
Award Amount for remainder of this FY: $952,000.00
Length of Contract/PO Term: Project Completion
Begin Date (mm/dd/yyyy): 04/16/2018
End Date (mm/dd/yyyy): Project Completion (Estimated November 2020)
JSEB Requirement: Evaluation Criteria (10%)
Comments on JSEB Requirements:

RE Holland (Surveying) 7.7%
Four Waters Engineering (Civil Design / QA/QC) 4.3%
Meskel and Associates (Civil Design / QA/QC / Geotechnical) 1%
Onsite EC (Gopher Tortoise Surveys) 0.1%

BIDDERS:

Name	Amount	Rank
HAZEN AND SAWYER P C	$2,992,322.00	1
CH2M HILL ENGINEERS INC	N/A	2
CDM	N/A	3

Background/Recommendations:

Advertised 04/11/2017. Seven (7) companies attended the mandatory pre-proposal meeting on 05/16/2017. At Phase 1 Proposal opening on 05/16/2017, JEA received three (3) Proposals. After initial review of the submittals all three (3) firms were short-listed and asked to submit detailed Phase 2 Proposals. The Phase 2 Proposals were received on 08/01/2017. The public evaluation meeting was held on 09/19/2017 and JEA deemed Hazen and Sawyer the most qualified firm to perform the work. A copy of the evaluation matrix is attached as backup.

The cost for the Nassau Regional WRF project includes:

- Expansion alternatives analysis
- Evaluation of effluent disposal alternatives
- Review of options for recovering disposal capacity of existing disposal wetlands
- On-site drainage improvement recommendations
- Evaluation of methods to stabilize on-site RIBs
- Design and services during construction of the Radio Avenue Reclaimed Water Booster Pump Station project

The initial contract award is for preliminary evaluations, alternatives analysis, effluent disposal alternatives study and preliminary design of the WRF expansion. The contract will require amendment (subsequent to completion of the above study) to allow for the design and construction of the selected expansion alternative. The initial contract includes all costs associated with the design and construction of the Radio Avenue Reclaimed Water Booster Pump Station.

The negotiated fee is 6.4% of the total construction costs and is considered reasonable. A copy of the negotiated scope and fee is attached as backup.

071-17 - Request approval to award a contract to Hazen and Sawyer for engineering services for Nassau Regional Water Reclamation projects in the amount of $2,992,322.00, subject to the availability of lawfully appropriated funds.

Director: Marshall, Raynetta C. - Dir, WWW Grid Project Eng & Construction

VP: Roche, Brian J. - VP/GM Water Wastewater Systems

APPROVALS:

A Bead 4/5/18

Chairman, Awards Committee **Date**

Jan A Ullman 4/5/18

Manager, Capital Budget Planning **Date**

071-17 Engineering Services for Nassau Regional Water Reclamation Facility Projects

Vendor Rankings	Tim Perkins	Raynetta Marshall	Todd Mackey	Deryle Calhoun	Σ Scores	Overall Rank
CDM Smith	84.03	78.94	81.54	81.46	325.97	3
CH2M	81.51	86.56	91.85	79.94	339.86	2
Hazen and Sawyer	83.67	86.72	89.99	87.04	347.42	1

	Phase 1 Proposal Points				Phase 2 Proposal Points				
Tim Perkins	Professional Staff Experience (25 Points)	Company Experience (25 Points)	Project Manager Proximity to JEA (5 Points)	JSEB (5 Points)	Professional Staff Experience (10 Points)	Past Performance (5 Points)	Presentation: Approach and Work Plan (25 Points)	Total	Rank
CDM Smith	21 53	21	4	4	10	4.5	19	84.03	1
CH2M	21.71	20	4	4	9.8	4	18	81.51	3
Hazen and Sawyer	21.67	21	3	4	10	5	19	83.67	2

	Phase 1 Proposal Points				Phase 2 Proposal Points				
Raynetta Marshall	Professional Staff Experience (25 Points)	Company Experience (25 Points)	Project Manager Proximity to JEA (5 Points)	JSEB (5 Points)	Professional Staff Experience (10 Points)	Past Performance (5 Points)	Presentation: Approach and Work Plan (25 Points)	Total	Rank
CDM Smith	21.44	21	4	4	9.5	4	15	78.94	3
CH2M	21.76	23	4	4	8.8	5	20	86.56	2
Hazen and Sawyer	22.22	22	3	4	9.5	5	21	86.72	1

	Phase 1 Proposal Points				Phase 2 Proposal Points				
Todd Mackey	Professional Staff Experience (25 Points)	Company Experience (25 Points)	Project Manager Proximity to JEA (5 Points)	JSEB (5 Points)	Professional Staff Experience (10 Points)	Past Performance (5 Points)	Presentation: Approach and Work Plan (25 Points)	Total	Rank
CDM Smith	22.04	19	4	4	9.5	5	18	81.54	3
CH2M	22.55	24	4	4	9.3	5	23	91.85	1
Hazen and Sawyer	22.59	22	3	4	9.4	5	24	89.99	2

	Phase 1 Proposal Points				Phase 2 Proposal Points				
Deryle Calhoun	Professional Staff Experience (25 Points)	Company Experience (25 Points)	Project Manager Proximity to JEA (5 Points)	JSEB (5 Points)	Professional Staff Experience (10 Points)	Past Performance (5 Points)	Presentation: Approach and Work Plan (25 Points)	Total	Rank
CDM Smith	20.46	19	4	4	10	4	20	81.46	2
CH2M	20.14	15	4	4	9.8	4	23	79.94	3
Hazen and Sawyer	22.04	21	3	4	10	4	23	87.04	1

	Phase 1 Proposal Points				Phase 2 Proposal Points			
Overall Averages	Professional Staff Experience (25 Points)	Company Experience (25 Points)	Project Manager Proximity to JEA (5 Points)	JSEB (5 Points)	Professional Staff Experience (10 Points)	Past Performance (5 Points)	Presentation: Approach and Work Plan (25 Points)	Total
CDM Smith	21 37	20.00	4.00	4.00	9.75	4.38	18 00	81.49
CH2M	21 54	20.50	4.00	4.00	9.43	4.50	21 00	84.97
Hazen and Sawyer	22.13	21.50	3.00	4.00	9.73	4.75	21.75	86.86

JEA

Nassau Regional WRF Expansion (Phase 2A) (2.0 mgd Oxidation Ditch Style Plant, limited MBR rehab) FINAL 11/18/2020

Task	Description	Fee	T&M	LS
Task 1	Project Management	$431,184		X
Task 2	Design			
	2.1 Preliminary Activites	$423,370		X
	2.2 Conceptual Design (30%)	$1,078,048		X
	2.3 Design (75%)	$1,511,007		X
	2.4 Detailed Design (100%)	$1,061,662		X
	2.5 Long Lead Items	$167,508	X	
	2.6 Early Work Package	$180,204	X	
Task 3	Permitting			
	FDEP WW (two)	$83,914	X	
	FDEP ERP (two)	$52,824	X	
	NC (Conditional Use and DRC)	$130,829	X	
Task 4	GMP Services			
	GMP Conferences, Addenda, GMP	$270,068	X	
	Conformed Documents	$90,918		X
Task 5	Services During Construction			
	RPR	$861,300.00	X	
	Admin	$1,708,396.00		X
Task 6	Allowance	$1,090,570	X	
Expenses		$53,000		X
Phase 2A Total		**$9,194,801**		

JEA

Nassau WRF Phase 2D (Radio Avenue Wastewater Booster Pump Station) FINAL 12/23/2020

Task	Description	Fee	T&M	LS
Task 1 Radio Avenue - Wastewater Pump Station				
	1.1.1 Kickoff Meeting	$4,096		X
	1.1.2 Survey	$0		
	1.1.3 Geotechnical and Hydrogeological Evaluations	$0		
	1.1.4 Gopher Tortoise Survey	$15,958		X
	1.1.5 Project Coordination	$26,190		X
	1.2 10% Schematic Design Document (SDD) <-- not included	$0		
	1.3 30% Conceptual Design Document (CDD)	$32,249		X
	1.4 60% Design Documents	$77,248		X
	1.5 90% and 100% (aka Bid) Design Documents	$70,926		X
	1.6 Permitting (FDEP only)	$10,784		X
	1.7 Bidding Services	$11,172		X
	1.8 Services During Construction	$105,752		X
	1.9 Project Scoping Statement	$13,368		X
	1.10 - Pressure Survey Allowance	$18,000	X	
Task 2 Miscellaneous Allowance		$46,000	X	
Hazen Expenses		$3,900		X
Phase 2D Total		**$435,643**		
Phase 2A and Phase 2D Combined Total		**$9,630,444**		