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CAPITAL PROJECTS COMMITTEE

JEA Headquarters | 7th Floor | Room: Manatee | 225 N. Pearl Street, Jacksonville, FL 32202

May 14, 2024 | 9:00 - 11:00 am

Members: John Baker, Chair, Rick Morales, Dr. Zachary Faison, Jr. - All Board Members are Welcome

WELCOME

Meeting Called to Order

John Baker, Chair

Adoption of Agenda

Safety Briefing

Raynetta Curry Marshall, Chief Operating Officer

COMMENTS / PRESENTATIONS

Comments from the Public

Public

FOR COMMITTEE CONSIDERATION

DELIVERING BUSINESS EXCELLENCE

[Capital Projects Delivery Process](#)

Raynetta Curry Marshall, Chief Operating Officer

[Enhancement of Process Controls and Contracting for Capital Projects](#) (June 25, 2024 Board Consideration)

Ted Phillips, Chief Financial Officer

[Buckman Water Reclamation Facility Upgrades](#) (May 21, 2024 Board Consideration)

Raynetta Curry Marshall, Chief Operating Officer
Hai Vu, Vice President, Water/Wastewater Systems

[Arlington East Water Reclamation Facility Expansion - Phase 2](#)

[Easement Acquisitions - Electric Transmission & Water Transmission Projects](#) (May 21, 2024 Board Consideration)

Raynetta Curry Marshall, Chief Operating Officer
Kim Wheeler, Vice President, Operations Support

OTHER BUSINESS & CLOSING CONSIDERATIONS

Old & Other New Business / Open Discussion

Announcements - Next Meeting To Be Determined

Adjournment

John Baker, Chair

SUPPLEMENTAL INFORMATION

[Appendix A: Capital Projects Delivery Process](#)

[Appendix B: Enhancement of Process Controls and Contracting for Capital Projects](#)

[Appendix C: Buckman Water Reclamation Facility Upgrades](#)

[Appendix D: Arlington East Water Reclamation Facility Expansion - Phase 2](#)

[Appendix E: Easement Acquisitions - Electric Transmission & Water Transmission Projects](#)



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CAPITAL PROJECTS COMMITTEE

MAY 14, 2024

IMPROVING LIVES...BUILDING COMMUNITY



Comments From The Public

Chair Baker

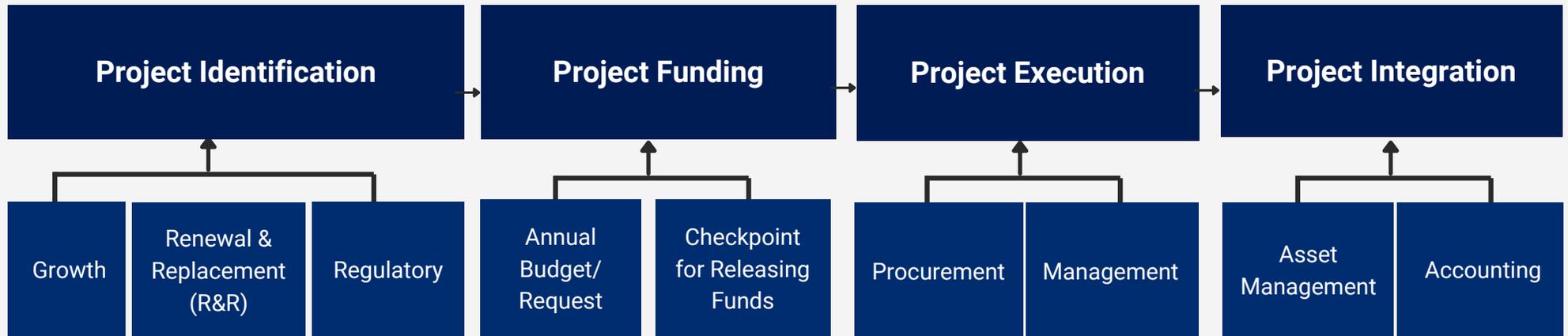
Improving Lives...Building Community

MEETING OVERVIEW

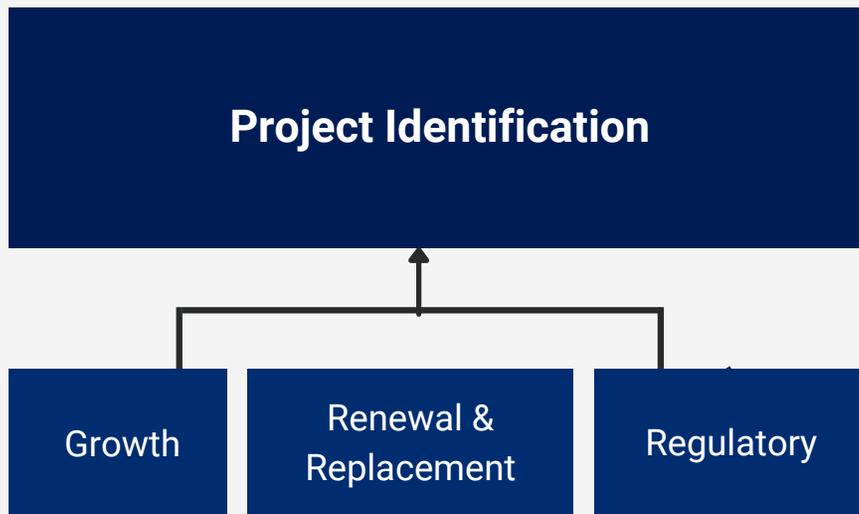
- Capital Project Delivery Process
- Enhancement of Process Controls & Contracting for Capital Projects
- Buckman Water Reclamation Facility (WRF) Upgrades
- Arlington East WRF Expansion - Phase 2
- Easement Acquisitions - Electric Transmission & Water Transmission Projects



Capital Project Delivery Process

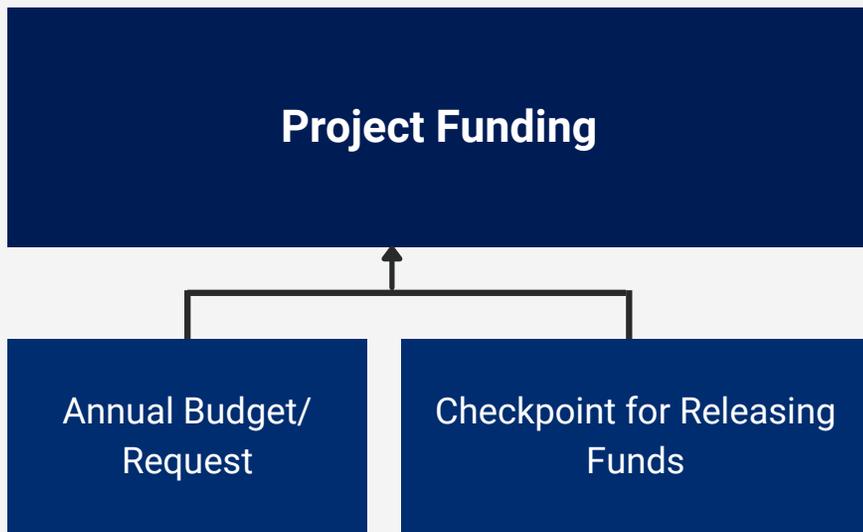


Capital Project Delivery Process



- Project owners identify new capacity, renewal/replacement, and/or regulatory driven projects
 - Conduct near and long-term system studies
 - Forecast new customers and infrastructure upgrades
 - Assess regulations and establish compliance
- Projects are assigned a category, delivery type, priority, and scope
- A project definition document is developed outlining scope with preliminary budget, schedule, and justification
- Managers, Directors, or Vice Presidents present to committee and/or leadership for approval

Capital Project Delivery Process



Capital Core Team

- Ensure allocation of capital funds
- Review and approve new projects
- Establish capital expenditure limits

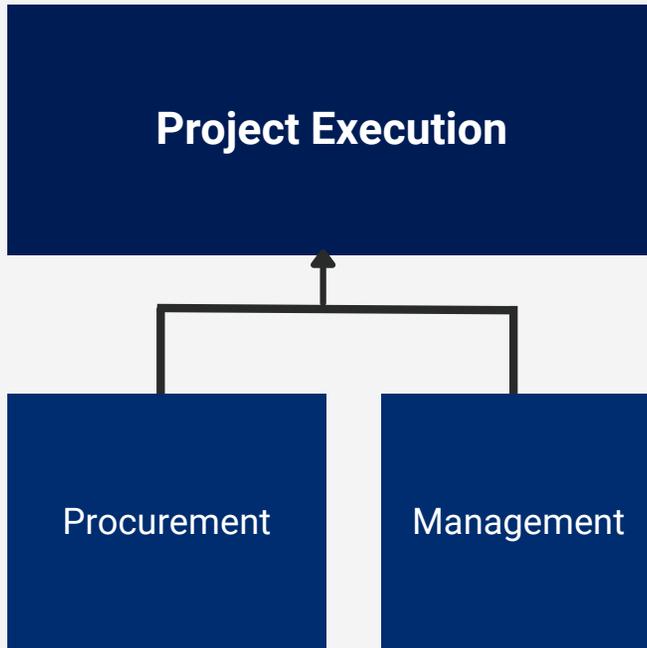
Finance

- Monitor Overall Project Budget (OPB)
- Approve Fiscal Year (FY) expenditures
- Ensure rates coverage

Board

- Approve annual budget

Capital Project Delivery Process



Procurement Team

- Lead solicitation in accordance with P-Code
- Procure materials or services and negotiate contract terms
- Prepare award for approval by Director, Vice President, Chief, and Awards Committee

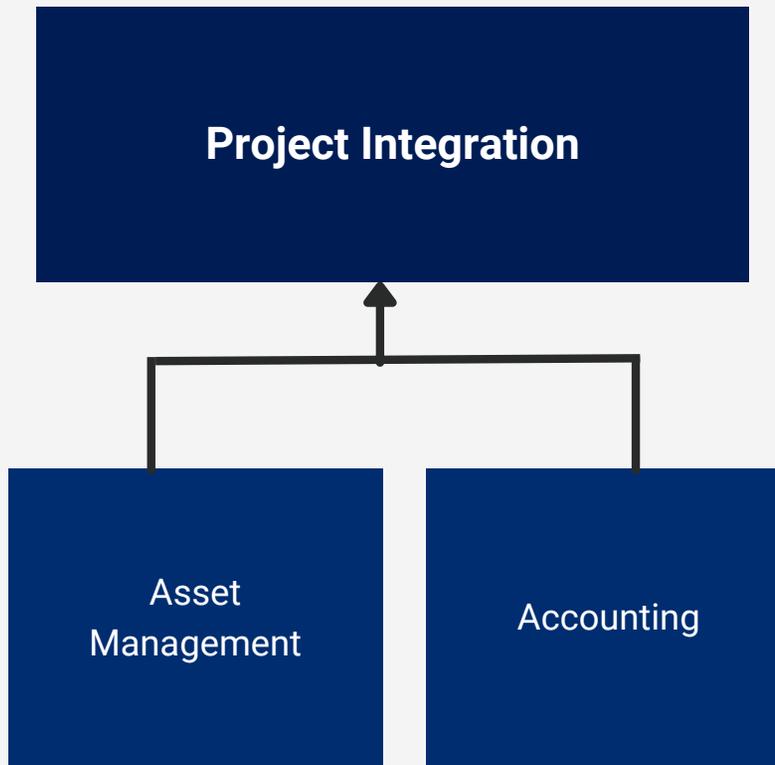
Project Management Team

- Establish schedule and cashflow
- Ensure scope quality

Finance Team

- Release funds through established milestones
- Lead monthly budget reporting and status with Capital Core team

Capital Project Delivery Process



Project and Accounting Teams

- Ensure assets are in asset management system and/or in Geographic Information System (GIS)
- Record project completion and book assets

Enhancement of Process Controls and Contracting for Capital Projects

- Ensure the Delegation of Authority limits are not exceeded
 - Changes to the Construction Manager at Risk (CMAR) contracting process
 - Improve the level of communication for large projects
-

Ted Phillips, Chief Financial Officer

June 25, 2024 Board Consideration

Delivering Business Excellence

Ensure the Delegation of Authority Limits Are Not Exceeded

Procurement Code Enhancement

- Incorporate references to the Delegation of Authority
- Limit the authority of the Awards Committee to approve contracts up to \$100 million

Operational Procedures Refinement

- Incorporate references to the Delegation of Authority
- Clearly define the applicable limits for each contract or award
- Implement a Board approval process for contracts over the \$100 million Delegation of Authority





Changes to the Construction Manager at Risk Contracting Process

- Strengthened invoicing requirements with detailed backup
- Clarified cost parameters, including Non-Reimbursable costs and Cost of the Work
- Streamlined rental equipment invoicing and travel policy inclusion
- Refined payment structures, cost tracking, and risk management
- Emphasized transparency and accountability in cost estimation and project management
- Integrated safety measures and risk mitigation strategies into contract framework
- Adding a cost management component to the evaluation criteria requesting the contractor's approach to deliver the project within the projected cost

Improve the Level of Communication for Large Capital Projects

- During the budget approval process, review with the Board all large capital projects that are part of the Capital Improvement Program (budget)
- Conduct quarterly reviews of the Capital Improvement Program portfolio to identify major projects for presentation to the Capital Projects Committee
- Ensure clear communication of project requirements, scope, procurement strategies, timelines, costs, risks, and benefits
- Provide other updates throughout the year as necessary



Enhancement of Process Controls and Contracting for Capital Projects Summary

- Ensure the Delegation of Authority Limits are not exceeded
- Changes to the CMAR contracting process
- Improve the level of communication for large projects



Buckman Water Reclamation Facility (WRF) Upgrades

Raynetta Curry Marshall, Chief Operating Officer
Hai Vu, VP Water Wastewater Systems

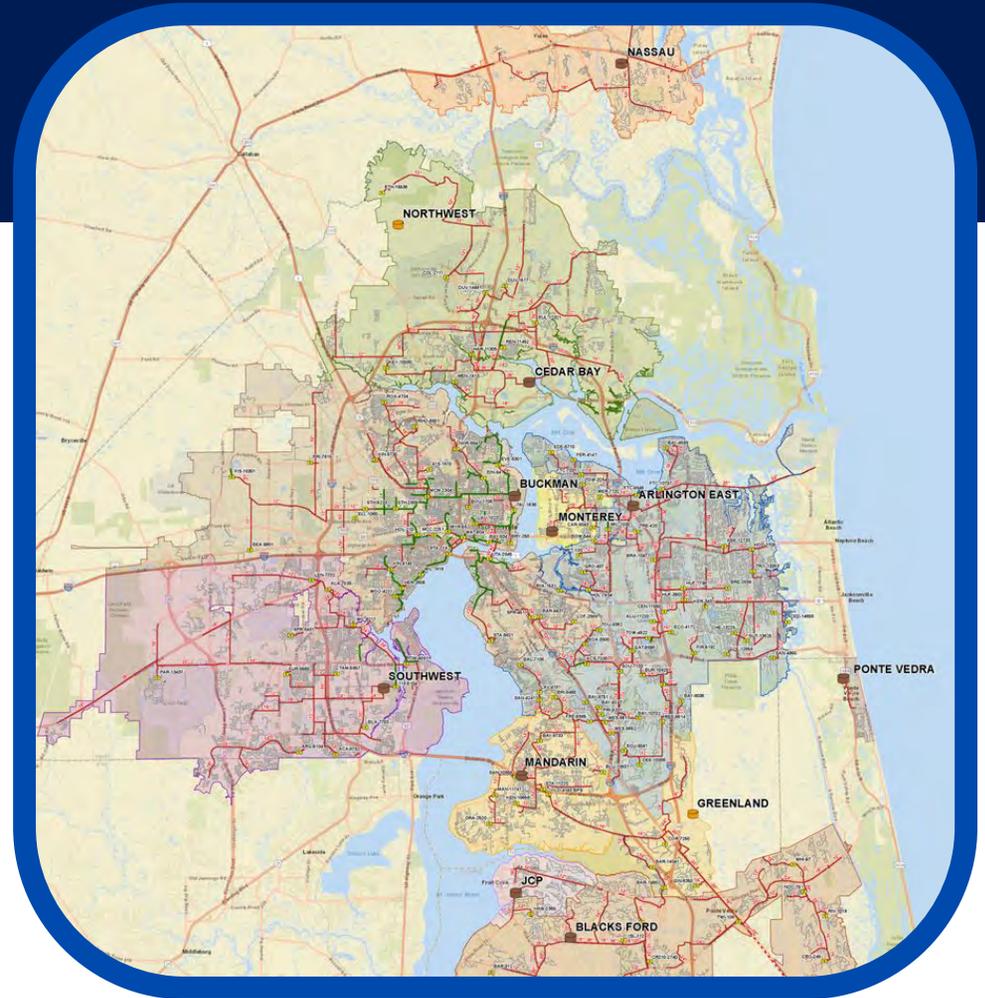
May 21, 2024 Board Consideration

Delivering Business Excellence



Buckman WRF

- Largest water reclamation facility - Treating 30 million gallons per day
- Includes Residuals Management Facility
- Processes biosolids from Buckman and eight other water reclamation facilities
- Produces Class AA Pellets





Buckman WRF Upgrades Projects

1. Biosolids Processing Facility
2. Blower System Improvement
3. Ultraviolet (UV) System Improvements
4. Fine Screen Replacements
5. Sludge Holding Tank Restoration
6. Biosolids Facility Rehabilitation
7. Aeration Basin Air Header and Diffuser Replacement
8. Operations/Maintenance Building Replacement

1. New Biosolids Processing Facility



New Facility Will Consist Of:

- 2-story sludge thickening building
- Polymer storage and feed building
- Magnesium hydroxide storage and feed building
- 3-story biosolids dewatering building

2. Blower System Improvements

- The blower system provides air to the microorganisms responsible for treatment via four turbo blowers
- Previous system was installed in 2014, but failed many times, putting treatment at risk
- New system added 50% supplemental air and fully integrated with existing blowers and aeration system
- Construction completed in 2022



3. UV Improvements

- UV System is the last step in treatment, disinfecting the effluent before discharging into St. Johns River
- Installed in 2001
- Failures of major components caused permit exceedances
- Scope included hydraulic improvements and a new more robust and resilient UV disinfection system
- Construction completed in 2023



4. Fine Screen Replacement

- Screens capture materials such as debris, plastics, and fibers, protecting downstream processes and equipment
- Installed in 2009, screens have repeatedly failed, causing materials to accumulate
- Equipment and biosolids treatment has been impacted
- Scope includes demolition of existing screens and installation of more efficient system
- Under construction, ~85 % complete

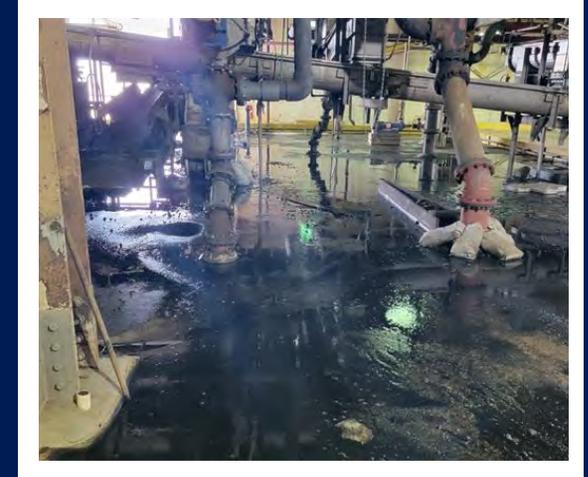
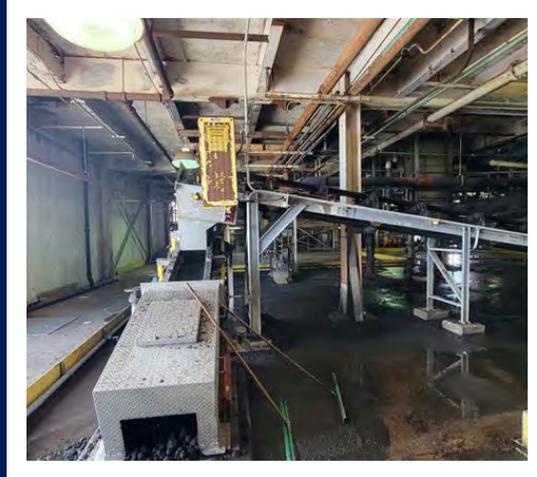
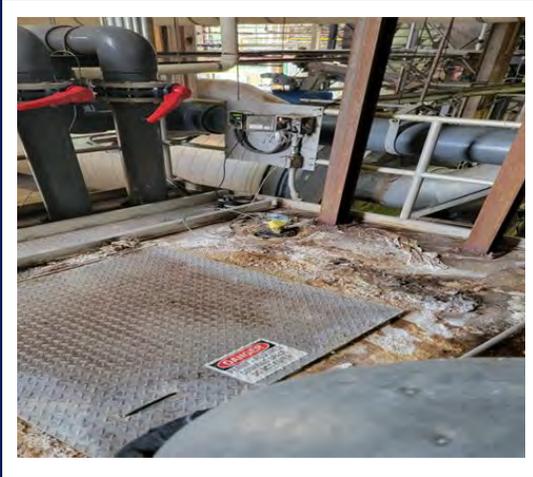


5. Sludge Holding Tank Restoration



- Built in 1960
- The tank has several issues
 - Accumulation of rags, Oversized, Unknown pile support condition
- Scope includes a new, correctly sized, built on grade tank
- In design, 90%

6. Biosolids Facility Rehabilitation



- Built in 1958, the existing facility houses the major equipment that thickens, dries, and pelletizes the biosolids
- This project assesses the condition of the existing building/structure and process equipment and any needed repairs/modifications to stay in service until new system is in place (est. 2028)
- In design, 100% - will be evaluated, value-engineered

7. Aeration Basin Air Header and Diffuser Replacement



- Air header and diffuser system provides oxygen to the microorganisms responsible for treatment
- Fine bubble aeration system was built in 2001
- Some parts have failed, resulting in less effective treatment
- Scope includes grit removal, replacement of aeration headers and diffusers
- In design, 60%

8. Operations/Maintenance Building Replacement



- Operations and maintenance (O&M) building houses offices and work space for O&M staff
- Built in 1958, the building is deteriorated in many locations
- Scope includes demolition of existing workspace, construction of new offices and workspace
- In construction, 75%

Summary - Awards, Current & Future Requests

Project	Approved	Request	Estimated Future Requests
1 Buckman Biosolids Replacement	\$66,896,568.00	\$207,433,416.00	
2 Blower System Improvements	\$12,182,599.00	(\$576,871.00)	
3 UV System Improvements	\$17,953,280.00	(\$3,539,362.00)	
4 Replace Existing Fine Screens	\$3,684,712.00		
5 Biosolids Raw Sludge Holding Tank Restoration	\$92,870.24		\$41,300,000.00
6 Biosolids Facility Rehabilitation	\$82,829.03		\$13,700,000.00
7 Aeration Basin Air Header and Diffuser Replacement	\$598,133.00	\$1,834,832.00	\$23,500,000.00
8 Operations/Maintenance Building Replacement	\$2,616,468.00		
Subtotal	\$104,107,459.00	\$205,152,015.00	\$78,500,000.00
Total Contract Value	\$104,107,459.00	\$309,259,474.27	\$387,759,474.00

Current request is \$205,152,015 for a not to exceed amount of \$309,259,474.27

Future request estimated at \$78,500,000

Arlington East WRF Expansion - Phase 2

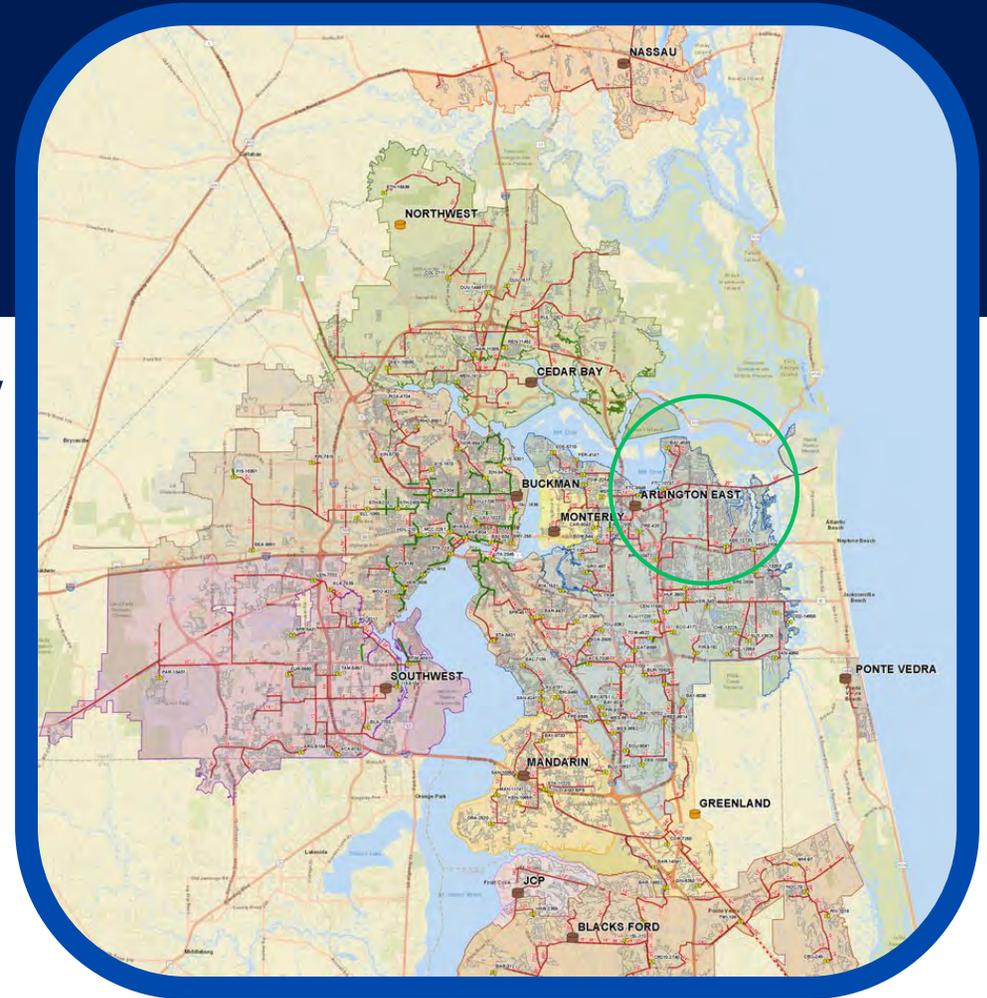
Raynetta Curry Marshall, Chief Operating Officer
Hai Vu, Vice President, Water/Wastewater Systems

Information

Delivering Business Excellence

Arlington East WRF Expansion Phase 2

- Second largest WRF-Treating 20 million gallons per day
- Produces reclaimed water for irrigation
- Major upgrades conducted 2015 - 2020 (Phase 1)
- Identified additional upgrades 2018 - 2021 (Phase 2)
 - Influent Structure
 - Aeration Basin and Blowers



Arlington East WRF Expansion - Phase 2



INFLUENT STRUCTURE

Plastics, debris, and rags are captured to prevent clogging of equipment

Built in 2000, the structure has experienced severe deterioration

Scope includes replacement of the structure with an enhanced bypass system



AERATION BASIN AND BLOWERS

Provides an environment for biological treatments of wastewater

Difficulty meeting nitrogen reduction during the winter and storm events

Scope includes new basin, blower, and primary clarifier

Arlington East WRF Expansion - Phase 2



Delivery Method: Design-Bid-Build

- Design completed by Hazen & Sawyer
- Bid under an Invitation For Bid

Advertised on November 8, 2023

Received one bid from Wharton-Smith for \$96,857,000

Arlington East WRF Expansion- Phase 2

Analysis of Estimate Versus Bid

JEA met with Wharton-Smith to Review Their Pricing

Total Direct Cost	\$75,461,519
Sales Tax	\$2,052,783
General Conditions (includes labor, benefits)	\$8,065,911
General Requirements	\$1,734,154
Bond	\$634,305
Insurance	\$922,051
Fee (9%)	\$7,986,278
Total	\$96,857,000



- Bid is approximately 20% higher than estimate
- Review of estimate identified that additional efforts for excavation shoring and dewatering were not taken into account
- Review of bid reflected competitive pricing from subcontractors and equipment suppliers

Staff intends to bring this item to the Awards Committee to request approval of \$96,857,000 to Wharton-Smith, Inc. for the Arlington East WRF Expansion - Phase 2

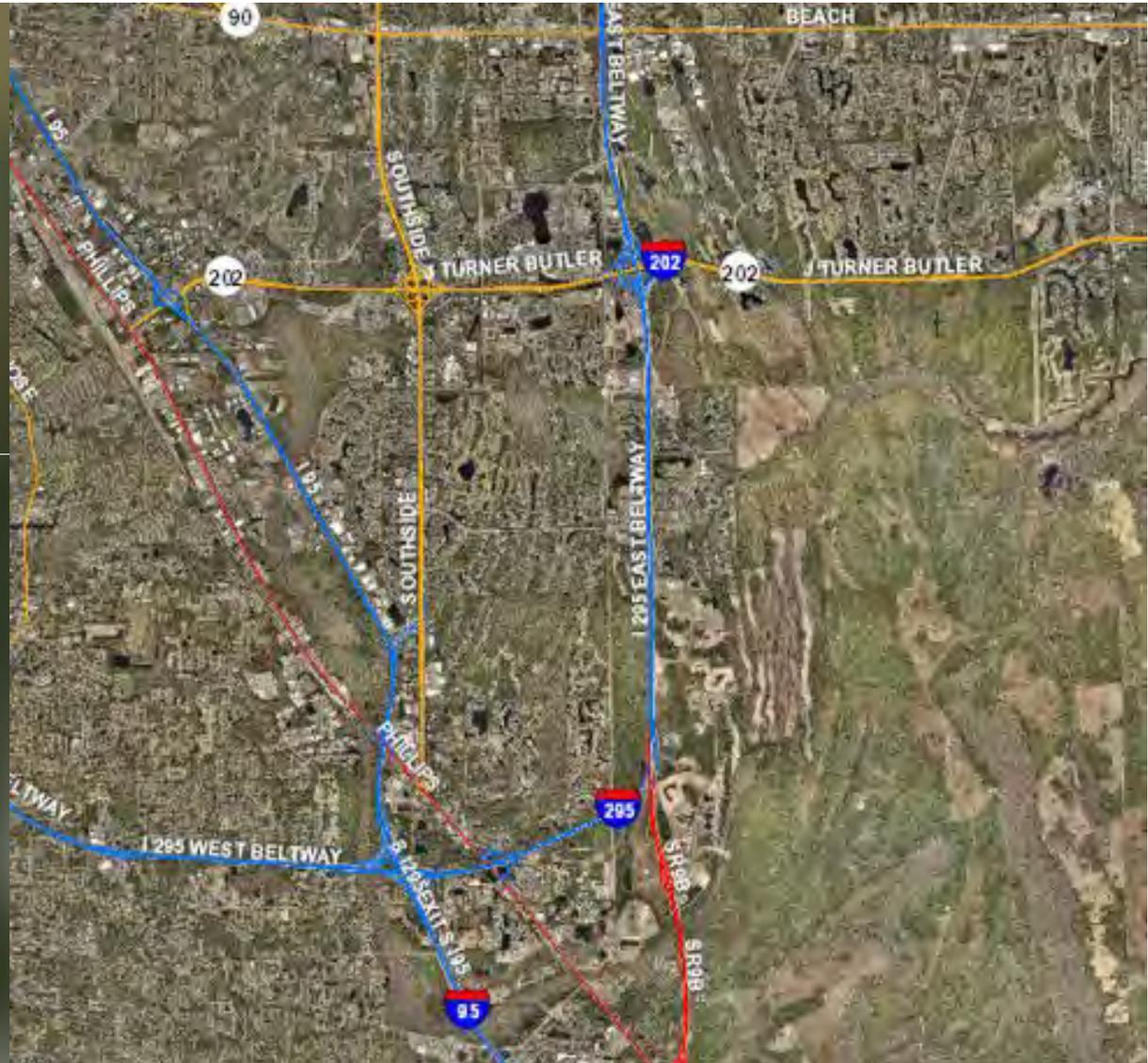
Easement Acquisitions

Electric Transmission & Water Transmission Projects

Raynetta Curry Marshall, Chief Operating Officer
Kim Wheeler, Vice President, Operations Support

May 21, 2024 Board Consideration

Delivering Business Excellence



Project Brief

Two major projects needed to accommodate existing and future growth and optimize existing resources

Deerwood to Greenland Water Reclamation Facility (WRF)

a water transmission project that includes 13,000 feet of reclaimed water main and 35,500 feet of raw water main

Mayo to Greenland Energy Center (GEC)

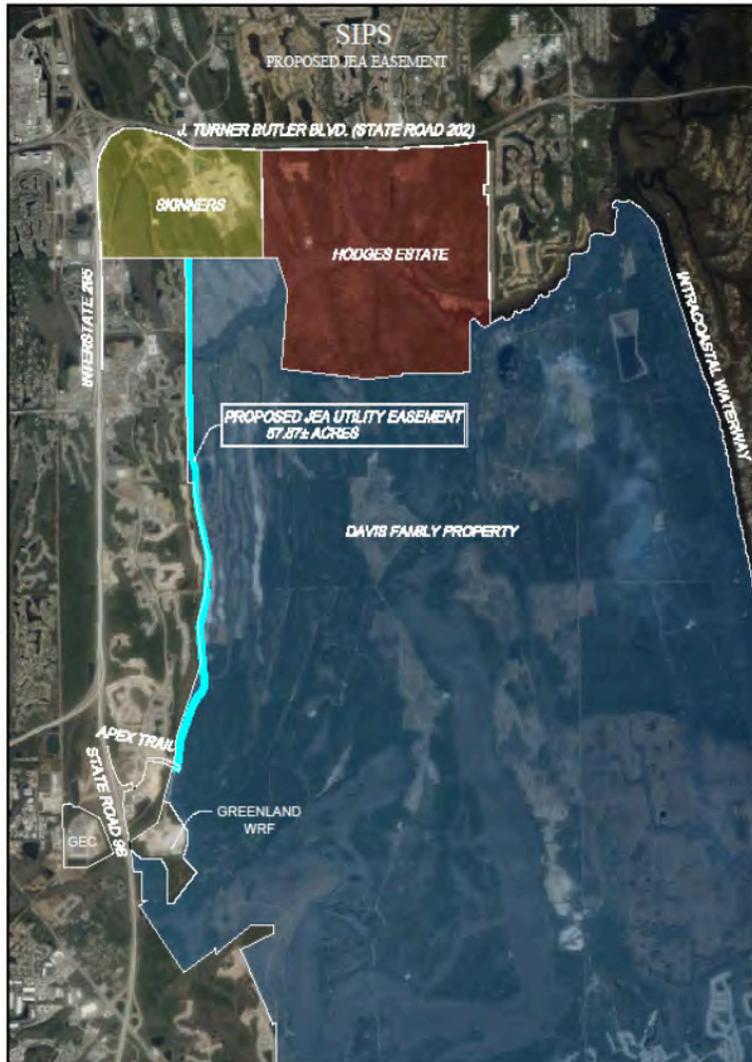
an electric transmission project containing 51,400 feet of 230 kV transmission lines



Required Easements

- Easements are required for both the water and electric projects
- The projects share a 150' wide portion of the corridor beginning at the Greenland WRF and going north 1.62 miles
- Water easement reduces to 75' wide and continues north for 3 miles
- 150' wide electric easement continues east for 2.02 miles then heads north for 1.4 miles for a total of 3.42 miles
- An additional 4.33 miles of easement to the north will be required





Water Project Route and Easement

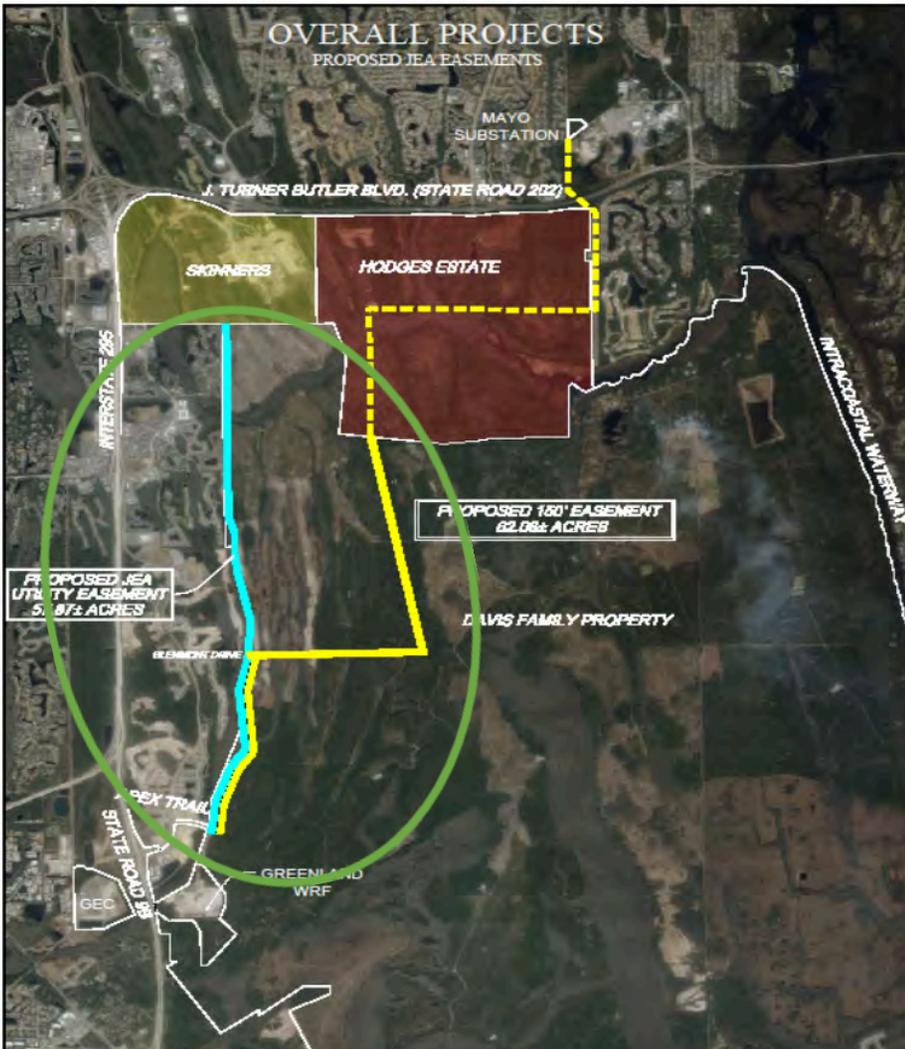
- Pipe route consists of a 30" reclaimed water main and a 36" raw water main
- Reclaimed Water Main: Estimated completion FY2025
- Raw Water Main: Estimated completion FY2026
- Provides for future growth and sustainability of existing well fields
- Total Estimated Construction Cost = \$68.2 Million

Electric Project Route and Easement

- The **total project** connects Greenland Energy Center to Mayo Substation through a 150' wide corridor for approximately 9.4 miles
- The **current request** is for 5.04 miles of easement. Subsequent requests totaling 4.33 miles will be made at a later date
- Provides for future growth, increases reliability, and improves resiliency
- Estimated construction cost - \$41.5 Million

 Electric
 Future





Aquisition Valuation

- The landowner has requested \$22 Million total (water and electric)
- The appraisal is \$9.3 Million (water) and \$9.8 Million (electric) - total \$19.1 Million
- The cost for alternative routes exceeds the difference between the appraisal and the owner's request

Benefits/Proposed Solution

Completes the connection of the water mains

Provides a clear identified route for future electric transmission





Old and Other New Business Open Discussion Announcement

John Baker
Chair

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CAPITAL PROJECTS COMMITTEE

S U P P L E M E N T A L I N F O R M A T I O N

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JEA Capital Projects Committee Agenda

MEMORANDUM



Capital Projects Delivery Process

Board Meeting Date:

Outcome: INFORMATION ONLY ACTION

If Action, Provide a Recommended Motion:

Consent Agenda Item: Yes No

Presenter:

Chief:

Strategic Focus Area: DEVELOPING AN UNBEATABLE TEAM DELIVERING BUSINESS EXCELLENCE EARNING CUSTOMER LOYALTY

Purpose of Agenda Item:

Background Information & Analysis:

JEA Capital Projects Committee Agenda

MEMORANDUM



Capital Projects Delivery Process

Financial
Impact:

None

Committee/Board Meeting/Workshop & Date Presented:

Include a timeline of all Board/Committee/Workshop dates this item has been presented in the past

NA

Appendix: *List appendix items provided*

NA

JEA Capital Projects Committee Agenda

MEMORANDUM



Enhancement of Process Controls and Contracting for Capital Projects

Committee Meeting Date: May 14, 2024

Outcome: INFORMATION ONLY ACTION FUTURE BOARD CONSIDERATION

If Action, Provide a Recommended Motion: For Board Consideration at the June 25, 2024 meeting.

Consent Agenda Item: Yes No

Presenter: Ted Phillips, Chief Financial Officer

Chief: Ted Phillips, Chief Financial Officer

Strategic Focus Area: DEVELOPING AN UNBEATABLE TEAM DELIVERING BUSINESS EXCELLENCE EARNING CUSTOMER LOYALTY

Purpose of Agenda Item: The purpose of this item is to walk the committee members through suggested process changes to ensure the delegation of authority limits are not exceeded, updates to the Construction Manager at Risk (CMAR) contracting process, and ensure improved communication to the Board for larger capital project and/or alternative procurement delivery methods.

Background Information & Analysis: The Board was asked to ratify contracts that exceeded the delegation of authority limits that used alternative procurement delivery methods. The Board was unaware of these types of procurements/contracts, and requested a deep dive into how the contracts were structured, when and why we use these types of contracting methods, as well as better communication about large capital projects prior to bidding. This presentation will present the committee with some suggested process changes to ensure Board involvement and better communication in regards to upcoming large capital projects and the use of alternative procurement delivery methods.

Financial Impact: None

Committee/Board Meeting/Workshop & Date Presented:
Include a timeline of all Board/Committee/Workshop dates this item has been presented in the past
 March 7, 2024 Board Workshop / March 26, 2024 Board Meeting

Appendix: N/A

JEA Capital Projects Committee Agenda

MEMORANDUM



Buckman Water Reclamation Facility Upgrades

Committee Meeting Date: May 14, 2024

Outcome: INFORMATION ONLY ACTION FUTURE BOARD CONSIDERATION

If Action, Provide a Recommended Motion: Staff requests the JEA Board of Directors approve to award Wharton-Smith, the Construction Manager at Risk (CMAR) for this project, \$205,152,015 for a new not-to-exceed total of \$309,259,474.27.

Consent Agenda Item: Yes No

Presenter: Hai Vu, Vice President, Water & Wastewater Systems

Chief: Raynetta Curry Marshall, Chief Operating Officer

Strategic Focus Area: DEVELOPING AN UNBEATABLE TEAM DELIVERING BUSINESS EXCELLENCE EARNING CUSTOMER LOYALTY

Purpose of Agenda Item: The purpose of this agenda item is to provide the Capital Projects Committee an overview of the Buckman Water Reclamation Facility Upgrades project and receive input prior to the 05/21/2024 Board meeting. This item is planned to be presented to the Board as an action item – Award Wharton-Smith, the Construction Manager at Risk (CMAR) for this project, \$205,152,015 for a new not-to-exceed total of \$309,259,474.27.

Background Information & Analysis: JEA owns and operates 11 water reclamation facilities (WRFs) with a combined wastewater flow of approximately 80 million gallons per day (MGD). The Buckman WRF is the largest, treating approximately 30 MGD. It also includes a centralized Residuals Management Facility (RMF) that processes biosolids from Buckman and eight other JEA WRFs.

The majority of the biosolids processing mechanical equipment and RMF building has reached the end of its useful life and must be replaced. In 2020, an evaluation of four alternatives to replace the biosolids management system was completed and direct drying was selected.

The biosolids system replacement project is being delivered via Construction Manager at Risk (CMAR) with Carollo Engineers as the Engineer and Wharton-Smith, Inc. as the CM.

In addition to the biosolids system replacement, seven other Buckman projects were added to the CMAR's scope for cost savings, increased site coordination, and more efficient scheduling and project management. The seven other projects are:

JEA Capital Projects Committee Agenda

MEMORANDUM



Buckman Water Reclamation Facility Upgrades

Background Information & Analysis:

2. Blower System Improvements
3. Ultraviolet (UV) Radiation System Improvements
4. Fine Screens Replacement
5. Raw Sludge Holding Tank Restoration
6. Biosolids Facility Rehabilitation
7. Aeration Basin Air Header and Diffuser Replacement
8. Operations/Maintenance Building Replacement

On March 26, 2024, the Board approved the ratification of the CMAR contract in the amount of \$104,107,459.27 for work previously conducted.

The table below summarizes an additional request of \$205,152,015 to award to Wharton-Smith for a new not-to-exceed total of \$309,259,474.27. This award will allow completion of the biosolids system replacement project, the largest of the eight projects. The cost summary is shown below:

Project	Approved	Request	Estimated Future Requests
1 Buckman Biosolids Replacement	\$66,896,568.00	\$207,433,416.00	
2 Blower System Improvements	\$12,182,599.00	(\$576,871.00)	
3 UV System Improvements	\$17,953,280.00	(\$3,539,362.00)	
4 Replace Existing Fine Screens	\$3,684,712.00		
5 Biosolids Raw Sludge Holding Tank Restoration	\$92,870.24		\$41,300,000.00
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8 Operations/Maintenance Building Replacement	\$2,616,468.00		
Subtotal	\$104,107,459.00	\$205,152,015.00	\$78,500,000.00
Total Contract Value	\$104,107,459.00	\$309,259,474.27	\$387,759,474.00

Estimated future costs to complete the Biosolids Raw Sludge Holding Tank Restoration, Biosolids Facility Rehabilitation, and Aeration Basin Air Header and Diffuser Replacement are \$78,500,000 as reflected in the table. Once cost proposals are received, reviewed, and deemed reasonable, staff will request additional funds.

Financial Impact:

Immediate Impact: An additional \$205,152,015 to the existing contract with Wharton-Smith for a new not-to-exceed total of \$309,259,474.27.

Future impact: An estimated \$78,500,000, for a new-not-to-exceed total of \$387,759,474.

Committee/Board Meeting/Workshop & Date Presented:

Include a timeline of all Board/Committee/Workshop dates this item has been presented in the past

Appendix: List appendix items provided

Buckman WRF – Biosolids Final GMP (Final).pdf

JEA Buckman WRF Biosolids Capital Conversion Project BBCCP Final



GMP (Final)

January 25, 2024

Presented by Wharton-Smith (CMAR)



Wharton-Smith Contact:
Josh Burns – Senior Preconstruction Manager
jburns@whartonsmith.com

Engineer: Carollo



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SECTION 5 – PROPOSED RISK REGISTER

SECTION 6 – PROPOSED GMP SCHEDULE



SECTION 1 – EXECUTIVE SUMMARY

January 25, 2024

Mr. Bill Clendening
JEA Buckman WRF
2221 Buckman Street
Jacksonville, FL 32206

Re: JEA Buckman WRF
Biosolids Capital Conversion Project – GMP (Final)

Dear Mr. Clendening:

Wharton-Smith is pleased to submit the Guaranteed Maximum Price (GMP) for the JEA Buckman WRF Biosolids Capital Conversion project. A comprehensive breakdown of material, equipment, subcontractor, and labor is provided in the supporting documentation following this letter. The draft GMP is valued at **\$207,433,416**.

Please note the following clarifications regarding this proposal:

1. We have included all work in accordance with Carollo Engineers drawings New Biosolids Processing Facilities (BPF), New Satellite Cake-Receiving Station (SCRS) and Demolition of Existing Facilities dated September 2023 as well as the revisions as part of the bid addenda.
 - a. Please note that there are items shown within the plan set that have been previously procured through early procurement packages including GMP-1 CMAR Setup, GMP-2 Early Package, GMP-3 Early Package 2, GMP-4 Early Package 3 – all of which the associated costs are not included in the above total.
2. Please refer to Section 2 for the GMP Cost Summary, Directs, and General Conditions.
3. Our GMP includes an open book self-perform package for CMAR maintenance and crane path construction. Detailed cost estimates and backup has been included in Section 3 for these work items.
4. A list of the competitively bid work packages, bid tabulations and evaluations, and the recommended low responsive bidder for each is located in Section 4.
5. The Contingencies and Owner Allowances carried within this GMP are reflective of the proposed Risk Register included in Section 5.
 - a. Please note that the allowances are currently shown below the line without fee, fee to be included on allowance usage once brought into the project as approved by JEA.
6. Please reference Section 6 for the proposed GMP schedule for the Buckman WRF Biosolids Capital Conversion project. We have included project management staff that is appropriate for this project. Please refer to the attached GC breakdown included within Section 2 for this phase of work.
7. We have the following clarifications and exclusions for the team's review and consideration:
 - a. Storm water pollution prevention (SWPPP) is included.
 - b. We have included a performance and payment bond, and insurances.
 - c. We have not included any Builder's Risk deductibles within the GMP. In the event of a Builder's Risk claim, deductibles will be funded out of project contingency/allowances/CO.
 - d. ERP, FDEP, FDOT, & ROW permit costs are by others.



- e. It is assumed that the JEA will provide power and water for use during construction and startup activities at no cost.
- f. JEA is to provide all necessary chemicals and diesel fuel needed for start-up, testing, and initial tank fills at no charge.
- g. JEA will provide any necessary sludge transfer and/or hauling that is required during testing and start-up. Handling and transportation costs have not been included in the GMP. This is similar for pellet handling and transportation as well.
- h. Andritz is currently coordinating with JEA for sludge sampling and testing for Buckman and future cake receiving. We have not assumed or included any design modifications that may be required due to the results of this sampling.
- i. Andritz is currently evaluating the 30,000 mg/kg-ds iron concentration. No costs have been included at this time for any potential changes.
- j. Stainless steel pellet silos and stainless-steel wet cake piping for the Andritz dryer package have not been included at this time per JEA direction.
- k. The adder for a Digester Gas Cleaning System presented by Andritz has not been included.
- l. Noise curtains, sound walls, etc. have not been included in the GMP at this time.
- m. Emissions testing to be performed by a third party that is hired directly by JEA. Air permitting and testing costs have not been included in the GMP.
- n. No costs have been included for the natural gas supply from TECO.
- o. The Computerized Maintenance Management System software per Section 17764 has not been included. It is our understanding that the software and maintenance will be provided by JEA.
- p. We have not included mill and overlay of the entire plant. JEA to perform this work direct.
- q. No Davis-Bacon, other prevailing wage requirements, or American Iron and Steel (AIS) provisions are incorporated in the pricing at this time.
- r. We have not included any additional Lead or Asbestos Survey for demolition of existing structures.
- s. We have not included costs for removal of unsuitable materials or soil improvements under any structures at this time as it is unknown.
- t. Provisions for treating any contaminated soils and groundwater remediation during dewatering have not been included at this time.
- u. We have included an allowance for surveying services. We plan to utilize Smith Surveying (JSEB) at their unit rates we are using on the other Buckman WRF projects. Any remaining budget will be returned to JEA upon completion of the project.
- v. We have included allowances for cleaning and residential appliances. Any remaining budget will be returned to JEA upon completion of the project.
- w. Duration of material lead times are based on current market conditions.
- x. We have included costs within this final GMP for the extension of the CMAR Trailer Compound.
- y. We have included early procurement buyout savings and general condition savings from GMP #1-#3 within this final GMP as credits to JEA.

As always, I am available to discuss at your earliest convenience.

Very respectfully,

Josh Burns
Sr. Preconstruction Manager
Wharton-Smith, Inc.



SECTION 2 – COST SUMMARY, DIRECTS, AND GENERAL CONDITIONS



JEA BUCKMAN BIOSOLIDS
GMP
1/25/2024

COST SUMMARY

	LABOR	EQUIPMENT	MATERIALS	SUBS	TOTALS
Total Direct Costs	\$ 569,664	\$ 194,064	\$ 50,126,873	\$ 106,818,957	\$ 157,709,558
Sales Tax on Purchase Orders				\$ 3,759,515	\$ 3,759,515
Total GC's	\$ 11,573,156	\$ -	\$ 306,375	\$ (24,195)	\$ 11,855,336
Total GR's	\$ 5,520	\$ 92,400	\$ 371,628	\$ 3,987,470	\$ 4,457,018
Contingency (Per Risk Register)				\$ 3,823,416	\$ 3,823,416
Bond				\$ 1,220,989	\$ 1,220,989
Insurance (0.75%)				\$ 1,503,563	\$ 1,503,563
Fee (8.75%)				\$ 16,145,719	\$ 16,145,719
SUBTOTAL	\$12,148,340	\$286,464	\$50,804,876	\$137,235,435	\$200,475,115
Allowance (Per Risk Register)				\$ 6,958,301	\$ 6,958,301
TOTAL					\$207,433,416

Capital Projects Committee - May 14, 2024 - SUPPLEMENTAL INFORMATION

BID ITEM NUMBER		DESCRIPTION	LABOR		EQUIPMENT	MATERIAL	SUBCONTRACT	\$ TOTALS	REMARKS
			MH	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT		SUB NAME
BASE BID DIRECTS									
SUBCONTRACTS			0	\$0	\$0	\$0	\$0	\$0	
BP #01	MASTER PLANT CONTRACTOR		0	\$0	\$0	\$0	\$14,200,914	\$14,200,914	WHARTON-SMITH
BP #02	SITE WORK		0	\$0	\$0	\$0	\$1,797,959	\$1,797,959	GROVIN CONSTRUCTION
BP #03	DEMOLITION		0	\$0	\$0	\$0	\$7,245	\$7,245	REALCO RECYCLING
BP #04	LANDSCAPING AND IRRIGATION		0	\$0	\$0	\$0	\$32,286	\$32,286	LIBERTY LANDSCAPE SUPPLY
BP #05	CONCRETE		0	\$0	\$0	\$0	\$15,265,397	\$15,265,397	VMG
BP #06	PRECAST ROOF MEMBERS		0	\$0	\$0	\$0	\$1,061,330	\$1,061,330	GATE PRECAST
BP #07	MASONRY		0	\$0	\$0	\$0	\$3,644,458	\$3,644,458	VMG
BP #08	MISC METALS AND FRP		0	\$0	\$0	\$0	\$4,060,260	\$4,060,260	PBM
BP #09	ROOFING		0	\$0	\$0	\$0	\$865,804	\$865,804	BBG CONTRACTING GROUP
BP #10	CAULKING AND JOINT SEALANT		0	\$0	\$0	\$0	\$167,272	\$167,272	VMG
BP #11	FIRE RESISTIVE JOINT SYSTEM		0	\$0	\$0	\$0	\$28,928	\$28,928	FLORIDA FIRESTOP SYSTEMS
BP #12	DOORS, FRAMES, AND HARDWARE		0	\$0	\$0	\$0	\$0	\$0	Included w/ Pitts Glass BP#57
BP #13	OVERHEAD COILING DOORS		0	\$0	\$0	\$0	\$391,385	\$391,385	AMERICAN ROLL-UP DOOR
BP #14	WINDOWS AND GLAZING		0	\$0	\$0	\$0	\$0	\$0	Included w/ Pitts Glass BP#57
BP #15	METAL FRAMED WALLS		0	\$0	\$0	\$0	\$195,767	\$195,767	A&W CONSTRUCTION
BP #16	ACOUSTICAL TILE CEILING		0	\$0	\$0	\$0	\$215,507	\$215,507	A&W CONSTRUCTION
BP #17	PAINTING AND COATINGS		0	\$0	\$0	\$0	\$2,199,836	\$2,199,836	UNIVERSAL COATINGS
BP #18	FLOORING, TILING, AND BASEBOARDS		0	\$0	\$0	\$0	\$119,770	\$119,770	DIXIE CONTRACT CARPET
BP #19	PANEL SIGNAGE		0	\$0	\$0	\$0	\$3,432	\$3,432	HOLMAN, INC
BP #20	TOILET COMPARTMENTS		0	\$0	\$0	\$0	\$25,217	\$25,217	HOLMAN, INC
BP #21	METAL LOCKERS		0	\$0	\$0	\$0	\$35,596	\$35,596	SOUTHERN STORAGE SYSTEM
BP #22	FIRE EXTINGUISHERS		0	\$0	\$0	\$0	\$122,527	\$122,527	HOLMAN, INC
BP #23	TRUCK SCALE		0	\$0	\$0	\$0	\$109,361	\$109,361	FLORIDA INDUSTRIAL SCALE COMPANY
BP #36	DRYER EQUIPMENT INSTALL		0	\$0	\$0	\$0	\$12,113,685	\$12,113,685	GA WEST
BP #39	METAL LABORATORY CASEWORK		0	\$0	\$0	\$0	\$187,027	\$187,027	SOUTHWEST SOLUTIONS GROUP
BP #40	ARCHITECTURAL WOOD CASEWORK		0	\$0	\$0	\$0	\$42,840	\$42,840	ANTIQUA AND MODERN CABINETS
BP #41	PRECAST CONCRETE BUILDINGS		0	\$0	\$0	\$195,203	\$0	\$195,203	CONCRETE MODULAR SYSTEMS
BP #42	PRE-ENGINEERED METAL BUILDINGS		0	\$0	\$0	\$0	\$437,441	\$437,441	BREVARD CONSTRUCTORS
BP #45	FIRE SUPPRESSION AND PUMP SYSTEM		0	\$0	\$0	\$0	\$715,869	\$715,869	WW GAY
BP #47	PLUMBING		0	\$0	\$0	\$0	\$732,065	\$732,065	PREMIERE PLUMBING
BP #48	HVAC		0	\$0	\$0	\$0	\$7,156,088	\$7,156,088	WW GAY
BP #49	ELECTRICAL		0	\$0	\$0	\$0	\$32,752,280	\$32,752,280	COGBURN
BP #50	INSTRUMENTATION AND CONTROLS		0	\$0	\$0	\$0	\$5,896,500	\$5,896,500	INFRAMARK
BP #51	CHEMICAL SYSTEM INSTALLER		0	\$0	\$0	\$0	\$799,412	\$799,412	WW GAY
BP #52	STRUCTURAL THRESHOLD INSPECTION SERVICES		0	\$0	\$0	\$0	\$119,970	\$119,970	UNIVERSAL ENGINEERING
BP #53	HORIZONTAL FIRE CURTAINS		0	\$0	\$0	\$0	\$205,710	\$205,710	INDUSTRIAL DOOR SOLUTION
BP #56	RESINOUS FLOORING		0	\$0	\$0	\$0	\$547,603	\$547,603	UNIVERSAL COATINGS
BP #57	TRANSLUCENT WALL PANELS		0	\$0	\$0	\$0	\$1,509,950	\$1,509,950	PITTS GLASS
								\$0	

BASE BID DIRECTS
Form revised 1/30/09

20-009.6 Estimate Workbook for JEA Buckman Biosolids-FINAL
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Capital Projects Committee - May 14, 2024 - SUPPLEMENTAL INFORMATION

BID ITEM NUMBER		LABOR		EQUIPMENT	MATERIAL	SUBCONTRACT	\$ TOTALS	REMARKS
		MH	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT		SUB NAME
BASE BID DIRECTS								
MATERIAL PURCHASE ORDERS		0	\$0	\$0	\$0	\$0	\$0	
BP #24	HORIZONTAL DISC PUMPS	0	\$0	\$0	\$293,180	\$0	\$293,180	GERBER PUMPS
BP #25	MURIATIC ACID FEED PUMPS	0	\$0	\$0	\$82,603	\$0	\$82,603	CEJCO
BP #26	POLYMER BLENDING AND FEED EQUIPMENT	0	\$0	\$0	\$2,600,000	\$0	\$2,600,000	USGI
BP #29	SUBMERSIBLE NON-CLOG CENTRIFUGAL PUMPS	0	\$0	\$0	\$364,217	\$0	\$364,217	FLYGT
BP #30	HORIZONTAL ANSI CENTRIFUGAL PUMPS	0	\$0	\$0	\$198,745	\$0	\$198,745	HUDSON PUMP
BP #31	VERTICAL MULTISTAGE CENTRIFUGAL PUMPS	0	\$0	\$0	\$18,905	\$0	\$18,905	CEJCO
BP #33	ALTERNATE THICKENED SLUDGE PUMPS	0	\$0	\$0	\$572,386	\$0	\$572,386	GERBER PUMPS
BP #34	BIOLOGICAL ODOR CONTROL SYSTEMS	0	\$0	\$0	\$3,080,000	\$0	\$3,080,000	ECS ENVIRONMENTAL SOLUTIONS
BP #35	BIOSOLIDS THERMAL DRUM DRYING	0	\$0	\$0	\$40,316,781	\$0	\$40,316,781	ANDRITZ
BP #37	SPIRAL HEAT EXCHANGERS	0	\$0	\$0	\$385,651	\$0	\$385,651	ALFA LAVAL
BP #38	AUTOMATIC SELF-CLEANING FILTERS	0	\$0	\$0	\$271,230	\$0	\$271,230	TOM EVANS
BP #44	MURIATIC ACID STORAGE TANKS	0	\$0	\$0	\$102,678	\$0	\$102,678	AUGUSTA FIBERGLASS
BP #46	SHAFTLESS SCREW CONVEYORS	0	\$0	\$0	\$1,095,880	0	\$1,095,880	SPIRAC
BP #54	DIESEL GENERATOR	0	\$0	\$0	\$204,905	\$0	\$204,905	GENERAC
BP #55	HEAT RECOVERY PUMP	0	\$0	\$0	\$62,950	\$0	\$62,950	HUDSON PUMP
	CMAR MAINTENANCE CREW	12,384	\$569,664	\$194,064	\$281,559	\$41,647	\$1,086,934	WHARTON-SMITH
	CRANE PATH CONSTRUCTION	0	\$0	\$0	\$0	\$168,556	\$168,556	WHARTON-SMITH
	CLEANING ALLOWANCE	0	\$0	\$0	\$0	\$125,000	\$125,000	
	SURVEYING ALLOWANCE	0	\$0	\$0	\$0	\$100,000	\$100,000	
	RESIDENTIAL APPLIANCES ALLOWANCE	0	\$0	\$0	\$0	\$0	\$0	Not included per JEA - JEA to furnish
	BUYOUT SAVINGS	0	\$0	\$0	\$0	-\$1,382,937	-\$1,382,937	
		0	\$0	\$0	\$0	\$0	\$0	
TOTAL DIRECT COST		12,384	\$569,664	\$194,064	\$50,126,873	\$106,818,957	\$157,709,558	\$157,709,558

BASE BID DIRECTS
Form revised 1/30/09

20-009.6 Estimate Workbook for JEA Buckman Biosolids-FINAL
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Capital Projects Committee - May 14, 2024 - SUPPLEMENTAL INFORMATION



Wharton-Smith, Inc.
CONSTRUCTION GROUP

JOB NAME: JEA BUCKMAN BIOSOLIDS
20-009

January 25, 2024
10:22 AM

ESTIMATE #:

GENERAL CONDITIONS																	
DESCRIPTION	QTY	UNIT	MH/UNIT	BASE RATE	LABOR			EQUIPMENT			MATERIAL			SUBCONTRACTS		REMARKS	
					U/P	TOTAL MH	\$ AMOUNT	HR/UNIT	RATE	\$ AMOUNT	U/P	\$ AMOUNT	\$ AMOUNT	U/P	\$ AMOUNT		\$ TOTALS
PROJECT MANAGEMENT TEAM																	
FIELD STAFF																	
w/ 7% TAX																	
General Superintendent (Robert Lightsey)	191	WK	16	\$153.00	\$2,448.00	3,055			\$467,470	\$0.00		\$0	\$0	\$0	\$0	\$0	\$467,470
Senior Superintendent (Roger Stengel)	191	WK	40	\$139.00	\$5,560.00	7,638			\$1,061,738	\$0.00		\$0	\$0	\$0	\$0	\$0	\$1,061,738
Superintendent (Henry Driver)	191	WK	40	\$123.00	\$4,920.00	7,638			\$939,523	\$0.00		\$0	\$0	\$0	\$0	\$0	\$939,523
Superintendent (Johnny Tomory)	165	WK	40	\$86.00	\$3,440.00	6,598			\$567,462	\$0.00		\$0	\$0	\$0	\$0	\$0	\$567,462
Superintendent (Jorge Briones)	165	WK	40	\$97.00	\$3,880.00	6,598			\$640,045	\$0.00		\$0	\$0	\$0	\$0	\$0	\$640,045
Field Engineer (Jake Bennett)	191	WK	40	\$65.00	\$2,600.00	7,638			\$496,496	\$0.00		\$0	\$0	\$0	\$0	\$0	\$496,496
Field Engineer (TBD)	191	WK	40	\$65.00	\$2,600.00	7,638			\$496,496	\$0.00		\$0	\$0	\$0	\$0	\$0	\$496,496
Field Engineer-Intern (TBD)	165	WK	40	\$27.00	\$1,080.00	6,598			\$178,157	\$0.00		\$0	\$0	\$0	\$0	\$0	\$178,157
OFFICE STAFF																	
Executive Management (Mike Alexakis)	191	WK	16	\$143.00	\$2,288.00	3,055			\$436,916	\$0.00		\$0	\$0	\$0	\$0	\$0	\$436,916
Senior Project Manager (Sloan Hagerty)	191	WK	40	\$128.00	\$5,120.00	7,638			\$977,715	\$0.00		\$0	\$0	\$0	\$0	\$0	\$977,715
Project Manager (Matt Sattler)	191	WK	40	\$103.00	\$4,120.00	7,638			\$786,755	\$0.00		\$0	\$0	\$0	\$0	\$0	\$786,755
Assistant Project Manager (TBD)	165	WK	40	\$84.00	\$3,360.00	6,598			\$554,266	\$0.00		\$0	\$0	\$0	\$0	\$0	\$554,266
Project Controls (Kabillan)	165	WK	40	\$118.00	\$4,720.00	6,598			\$778,611	\$0.00		\$0	\$0	\$0	\$0	\$0	\$778,611
Project Engineer (Roman Davanzo)	191	WK	40	\$59.00	\$2,360.00	7,638			\$450,666	\$0.00		\$0	\$0	\$0	\$0	\$0	\$450,666
Project Engineer (TBD)	191	WK	40	\$59.00	\$2,360.00	7,638			\$450,666	\$0.00		\$0	\$0	\$0	\$0	\$0	\$450,666
Project Engineer-Intern (Chris Becker/ Patrick Langston)	165	WK	40	\$27.00	\$1,080.00	6,598			\$178,157	\$0.00		\$0	\$0	\$0	\$0	\$0	\$178,157
OTHER STAFF																	
Construction Manager (Kenneth Marcell)	191	WK	4	\$173.00	\$692.00	764			\$132,144	\$0.00		\$0	\$0	\$0	\$0	\$0	\$132,144
BIM Modeling and Coordinator (Robert Mueler)	191	WK	16	\$78.00	\$1,248.00	3,055			\$238,318	\$0.00		\$0	\$0	\$0	\$0	\$0	\$238,318
Project Accountant (TBD)	191	WK	40	\$66.00	\$2,640.00	7,638			\$504,134	\$0.00		\$0	\$0	\$0	\$0	\$0	\$504,134
Quality Manager (Chris Gayner)	191	WK	16	\$145.00	\$2,320.00	3,055			\$443,027	\$0.00		\$0	\$0	\$0	\$0	\$0	\$443,027
Safety Manager (Sherri)	191	WK	40	\$104.00	\$4,160.00	7,638			\$794,394	\$0.00		\$0	\$0	\$0	\$0	\$0	\$794,394
RELATED MANAGEMENT COSTS																	
Software Costs	1	LS		\$46.00	\$0.00	0			\$0	\$0.00		\$0	\$0	\$258,133	\$258,133	\$0	\$258,133
Housing for On-site Staff	1	LS		\$46.00	\$0.00	0			\$0	\$0.00	\$285,000.00	\$285,000	\$306,375	\$0	\$0	\$0	\$306,375
GC Savings from GMP #1-#3	1	LS		\$46.00	\$0.00	0			\$0	\$0.00	\$0	\$0	\$0	-\$282,328.00	-\$282,328	\$0	-\$282,328
TOTAL GENERAL CONDITIONS						128,960		\$11,573,156	\$0		\$285,000	\$306,375		-\$24,195	\$11,855,336		\$12,140,336



Wharton-Smith, Inc.
CONSTRUCTION GROUP

JOB NAME:	JEA BUCKMAN BIOSOLIDS	January 25, 2024
ESTIMATE #:	20-009	10:22 AM

GENERAL REQUIREMENTS	DURATION =		12384 DIRECT MANHOURS				310		MANWEEKS							
		44	MONTHS, PLANNED		2		MEN									
DESCRIPTION	QTY	UNIT	MH/UNIT	BASE RATE	LABOR		EQUIPMENT	MATERIAL		SUBCONTRACTS		\$ TOTALS	REMARKS			
					U/P	TOTAL MH		\$ AMOUNT	HR/UNIT	RATE	\$ AMOUNT		U/P	\$ AMOUNT	SUB NAME	
W/ 7% TAX																
TEMP.FACILITIES & UTILITIES																
WATER, INSTALL AND REMOVE TEMPORARY SYSTEM	1	LS	120	\$46.00	\$5,520.00	120	\$5,520		\$0.00	\$2,500.00	\$2,500	\$2,688		\$0	\$8,208	
TEMPORARY TOILETS - <u>10</u> REQUIRED	44	MO		\$46.00	\$0.00	0	\$0		\$0.00	\$2,500.00	\$110,000	\$118,250		\$0	\$118,250	
CONSTRUCTION EQUIPMENT & TOOLS																
ATV/SIDE-BY-SIDE (3)	44	MO		\$46.00	\$0.00	0	\$0	3	\$700.00	\$92,400.00	\$300.00	\$13,200	\$14,190	\$0	\$106,590	VERIFY QUANTITY
SAFETY & HEALTH & HOUSEKEEPING																
DUMPSTERS	44	MO		\$46.00	\$0.00	0	\$0			\$0.00	\$5,000.00	\$220,000	\$236,500	\$0	\$236,500	
PERMITS, FEES, INSURANCE, LEGAL, ETC.																
BUILDER'S RISK INSURANCE-COASTAL COUNTY	44	MO		\$46.00	\$0.00	0	\$0		\$0.00		\$0	\$0	\$64,963.84	\$2,858,409	\$2,858,409	\$26,061.76
MAINTENANCE BOND (FOR PERCENTAGE 25% OR MORE)	1	LS		\$46.00	\$0.00	0	\$0		\$0.00		\$0	\$0	\$301,000.00	\$301,000	\$301,000	\$300,712.67
MISCELLANEOUS REQUIREMENTS																
CMAR COMPOUND CARRYOVER	1	LS		\$46.00	\$0.00	0	\$0		\$0.00		\$0	\$0	\$828,061.00	\$828,061	\$828,061	
TOTAL GENERAL REQUIREMENTS						120	\$5,520		\$92,400		\$143,700	\$371,628		\$3,987,470	\$4,457,018	\$4,457,018

Capital Projects Committee - May 14, 2024 - SUPPLEMENTAL INFORMATION

 <div style="text-align: center;"> Wharton-Smith, Inc. CONSTRUCTION GROUP </div>													JOB NAME: 0											December 14, 2023				
													ESTIMATE #: 0											1:23 PM				
GENERAL REQUIREMENTS																												
		0 DIRECT MANHOURS				0		MANWEKS MEN																				
		DURATION = 46 MONTHS, PLANNED				0		MANWEKS MEN																				
DESCRIPTION													REMARKS															
QTY UNIT MH/UNIT BASE RATE U/P TOTAL MH \$ AMOUNT HR/UNIT RATE \$ AMOUNT U/P \$ AMOUNT \$ AMOUNT U/P \$ AMOUNT \$ AMOUNT													SUBCONTRACTS		\$ TOTALS		SUB NAME											
TEMP. FACILITIES & UTILITIES													W/ 7% TAX		\$ TOTALS		SUB NAME											
WATER, INSTALL AND REMOVE TEMPORARY SYSTEM													1	LS		\$45.00	\$0.00	0	\$0		\$0.00	\$1,000.00	\$1,000	\$1,075	\$0	\$1,075	Engineer's Trailer	
WATER, MONTHLY													46	MO		\$45.00	\$0.00	0	\$0		\$0.00	\$309.00	\$14,214	\$15,280	\$0	\$15,280	Water Service	
ELECTRIC, INSTALL & REMOVE TEMP. SYSTEM													1	LS		\$45.00	\$0.00	0	\$0		\$0.00	\$0	\$0	\$0	\$20,000.00	\$20,000	\$20,000	
FIARD WIRE INTERNET/PHONE, INSTALL & REMOVE - W-S													1	LS		\$45.00	\$0.00	0	\$0		\$0.00	\$0	\$0	\$0	\$400.00	\$400	\$400	
FIARD WIRE INTERNET/PHONE, INSTALL & REMOVE - ENGINEER													1	LS		\$45.00	\$0.00	0	\$0		\$0.00	\$0	\$0	\$0	\$300	\$300		
INTERNET/TELEPHONE, MONTHLY CHARGES - W-S													46	MO		\$45.00	\$0.00	0	\$0		\$0.00	\$318.91	\$14,670	\$15,770	\$0	\$15,770		
INTERNET/TELEPHONE, MONTHLY CHARGES - ENGINEER													46	MO		\$45.00	\$0.00	0	\$0		\$0.00	\$250.00	\$11,500	\$12,363	\$0	\$12,363		
FIELD OFFICE, WHARTON SMITH INC													46	MO		\$45.00	\$0.00	0	\$0		\$0.00	\$3,790.80	\$174,377	\$187,455	\$0	\$187,455		
FIELD OFFICE, WHARTON SMITH - DELIVERY/RETURN													1	LS		\$45.00	\$0.00	0	\$0		\$0.00	\$7,500	\$8,063	\$6,000.00	\$6,000	\$14,063		
FIELD OFFICE, ENGINEER													46	MO		\$45.00	\$0.00	0	\$0		\$0.00	\$1,250.00	\$57,500	\$61,813	\$0	\$61,813		
FIELD OFFICE, ENGINEER - DELIVERY/RETURN													1	LS		\$45.00	\$0.00	0	\$0		\$0.00	\$6,700	\$7,203	\$0	\$7,203			
FIELD OFFICE FURNISHINGS AND EQUIPMENT (PURCHASE)													1	LS		\$45.00	\$0.00	0	\$0		\$0.00	\$15,000.00	\$15,000	\$16,125	\$0	\$16,125		
FIELD OFFICE FURNISHINGS AND EQUIPMENT (RENTAL)													46	MO		\$45.00	\$0.00	0	\$0		\$0.00	\$443.98	\$20,423	\$21,955	\$0	\$21,955		
JOB OFFICE SUPPLIES													46	MO		\$45.00	\$0.00	0	\$0		\$0.00	\$500.00	\$23,000	\$24,725	\$0	\$24,725		
COMPUTER EQUIPMENT FOR FIELD OFFICE - W-S													1	LS		\$45.00	\$0.00	0	\$0		\$0.00	\$15,000.00	\$15,000	\$16,125	\$0	\$16,125		
TOOL TRAILERS - 1 REQUIRED													1	LS		\$45.00	\$0.00	0	\$0		\$0.00	\$88,930.00	\$88,930	\$95,600	\$0	\$95,600	Mobile Mini Quote	
TEMPORARY TOILETS & SINK - 1 REQUIRED													46	MO		\$45.00	\$0.00	0	\$0		\$0.00	\$270.00	\$12,420	\$13,352	\$0	\$13,352	United Rentals Invoice	
TEMPORARY SEWAGE HOLDING TANKS - ENGINEER & W-S													46	MO		\$45.00	\$0.00	0	\$0		\$0.00	\$464.00	\$21,344	\$22,945	\$0	\$22,945		
SITE SECURITY													46	MO		\$45.00	\$0.00	0	\$0		\$0.00	\$0	\$0	\$5,375.12	\$247,256	\$247,256		
SITE SECURITY CAMERAS													56	MO		\$45.00	\$0.00	0	\$0		\$0.00	\$0	\$0	\$450.00	\$25,200	\$25,200	\$25,200	

Capital Projects Committee - May 14, 2024 - SUPPLEMENTAL INFORMATION

 <div style="text-align: center;"> Wharton-Smith, Inc. CONSTRUCTION GROUP </div>										JOB NAME:	0					December 14, 2023			
										ESTIMATE #:	0					1:23 PM			
SAFETY & HEALTH & HOUSEKEEPING																			
DUMPSTERS	46	MO	\$45.00	\$0.00	0	\$0		\$0.00	\$250.89	\$11,541	\$12,407		\$0	\$12,407					
ENGINEER'S TRAILER	200	WK	0	\$45.00	\$0.00	0	\$0	\$0.00	\$5.00	\$998	\$1,073	\$250.00	\$49,910	\$50,983					
PROJECT DOCUMENTATION AND SERVICES																			
PROJECT SIGNS	1	LS	32	\$45.00	\$1,440.00	32	\$1,440	\$0.00	\$1,500.00	\$1,500	\$1,613		\$0	\$3,053					
INFORMATIONAL SIGNS	30	EA	2	\$45.00	\$90.00	60	\$2,700	\$0.00	\$150.00	\$4,500	\$4,838		\$0	\$7,538					
PHOTOGRAPHS	46	MO	0	\$45.00	\$0.00	0	\$0	\$0.00	\$213.00	\$9,798	\$10,533		\$0	\$10,533					
PLANS & SPECIFICATIONS REPRODUCTION COSTS	1	LS		\$45.00	\$0.00	0	\$0	\$0.00	\$15,000.00	\$15,000	\$16,125		\$0	\$16,125					
MISCELLANEOUS REQUIREMENTS																			
20-113 Remaining Budget Deduct - Pay App #37 - November 202	1	LS		\$45.00	\$0.00	0	\$0	\$0.00		\$0	\$0	-\$490,858.00	-\$490,858	-\$490,858					
TOTAL GENERAL REQUIREMENTS						92	\$4,140	\$0		\$100,910	\$566,433		\$141,792	\$428,781				\$428,781	

JEA Capital Projects Committee Agenda

MEMORANDUM



Arlington East Water Reclamation Facility (WRF) Expansion – Phase 2

Committee Meeting Date: May 14, 2024

Outcome: INFORMATION ONLY ACTION FUTURE BOARD CONSIDERATION

If Action, Provide a Recommended Motion: N/A

Consent Agenda Item: Yes No

Presenter: Hai Vu, Vice President, Water & Wastewater Systems

Chief: Raynetta Curry Marshall, Chief Operating Officer

Strategic Focus Area: DEVELOPING AN UNBEATABLE TEAM DELIVERING BUSINESS EXCELLENCE EARNING CUSTOMER LOYALTY

Purpose of Agenda Item: The purpose of this agenda item is to provide the Capital Projects Committee an overview of the Arlington East WRF Expansion – Phase 2 project and receive input prior to the 05/21/2024 Board meeting. This item is planned to be presented to the Board as an information item - Intent to award Wharton-Smith \$96,857,000.00 for Arlington East WRF Expansion - Phase 2.

Background Information & Analysis: The Arlington East Water Reclamation Facility (WRF) is the second largest WRF (after Buckman), treating approximately 20 million gallons per day (MGD). Arlington WRF produces reclaimed water for irrigation and its effluent will serve as a source water for a new 6.0 MGD purified water facility.

To increase capacity and ensure reliability and redundancy, JEA added a 5th secondary clarifier and upgraded 4 existing secondary clarifiers and associated appurtenances from 2015 to 2020. This was Phase I of the Arlington East WRF expansion and was completed at a cost of \$19.5 million.

During 2018 – 2021, JEA engaged the engineering firm of Hazen and Sawyer to evaluate additional upgrades. Multiple areas of the plant were identified that needed to be upgraded or replaced. Recommendations of the study resulted in Phase 2 of the Arlington East WRF Expansion, which focuses on the influent structure and the aeration basin and blowers.

I. Influent Structure
The current influent structure was built in 2000 and has experienced severe deterioration due to high levels of hydrogen sulfide gas. The 2019 evaluation by Hazen recommended a complete replacement of the facility which will have the ability to bypass flows and designed for greater efficiency, capacity, reliability, and resiliency of the electrical and instrumentation and control systems.

JEA Capital Projects Committee Agenda

MEMORANDUM



Arlington East WRF Expansion – Phase 2

Background Information & Analysis:

II . Aeration Basin and Blowers

Arlington WRF has difficulty meeting nitrogen reduction during the winter months and peak storm events. The evaluation identified that a new aeration basin, blower, and primary clarifier will address these issues.

Initially, each project was designed separately, but were later brought together for potential savings such as mobilization/demobilization, general conditions, and bypass pumping were realized. The design was completed by Hazen, and was bid under Invitation For Bid 1411464646 **Arlington East WRF Expansion**.

JEA advertised the project on 11/08/2023 and received one bid on 01/30/2024 from Wharton-Smith in the amount of \$96,857,000.

The bid amount was approximately 20% higher than the engineer's estimate. However, an analysis of the estimate versus the bid showed the estimate was consistently low across all categories and underestimated rising prices in materials and labor and failed to account for additional efforts required for sitework excavation, shoring, and dewatering.

A review of the bid showed competitive pricing from subcontractors and material and equipment suppliers.

Based on the analysis and review, the bid by Wharton-Smith is deemed to be reasonable. Staff intends to bring this item to the Awards Committee to request approval of awarding the contract to Wharton-Smith, Inc. in the not-to-exceed amount of **\$96,857,000.00** for the **Arlington East WRF Expansion – Phase 2** work.

Financial Impact:

Capital cost of \$96,857,000.00 for the construction of the Arlington East WRF Expansion – Phase 2 project.

Committee/Board Meeting/Workshop & Date Presented:

Include a timeline of all Board/Committee/Workshop dates this item has been presented in the past

N/A

Appendix: *List appendix items provided*

N/A

Appendix B - Bid Form
1411464646 Arlington East WRF Expansion

Submit a scanned signed copy of this document to Zycus as described in the Solicitation

Company Name: Wharton-Smith, Inc.
 Corporate: 750 Monroe Road, Sanford, FL 32771
 Company's Address: Local: 8649 Baypine Road, Bldg 7, Ste 110, Jacksonville, FL 32256
 Contact: Sean White
 Phone Number: 407.321.8410 FAX No: N/A Email Address: swhite@whartonsmith.com
 License Number: CGC1511243

BID SECURITY REQUIREMENTS <input type="checkbox"/> None required <input checked="" type="checkbox"/> Certified Check or Bond (Five Percent (5%))	TERM OF CONTRACT <input type="checkbox"/> One Time Purchase <input type="checkbox"/> Annual Requirements <input checked="" type="checkbox"/> Other, Specify - Project Completion
---	--

SAMPLE REQUIREMENTS <input checked="" type="checkbox"/> None required <input type="checkbox"/> Samples required prior to Bid Opening <input type="checkbox"/> Samples may be required subsequent to Bid Opening	SECTION 255.05, FLORIDA STATUTES CONTRACT BOND <input type="checkbox"/> None required <input checked="" type="checkbox"/> Bond required 100% of Bid Award
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QUANTITIES <input type="checkbox"/> Quantities indicated are exacting <input checked="" type="checkbox"/> 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 <p style="text-align: center;">Insurance required</p>
--	---

PAYMENT DISCOUNTS <input type="checkbox"/> 1% 20, net 30 <input type="checkbox"/> 2% 10, net 30 <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> None Offered	
--	--

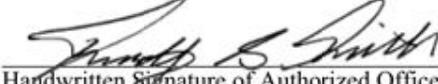
ENTER YOUR BID FOR IFB 1411464646	TOTAL BID PRICE
Total Bid Price for the Project (enter total from cell F118 in the Bid Workbook)	\$ 96,857,000

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 Bidder's 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, and that the Bidder is an authorized distributor or manufacturer of the equipment that meets the Technical Specifications stated herein.

We have received addenda
 One through Four


 Handwritten Signature of Authorized Officer of Company or Agent January 30, 2024
Date

Timothy S. Smith, President/CEO
 Printed Name and Title

Appendix B - Bid Form
1411464646 Arlington East WRF Expansion

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

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

BIDDER INFORMATION

COMPANY NAME: Wharton-Smith, Inc.

BUSINESS ADDRESS: Corporate: 750 Monroe Road, Sanford, FL 32771
Local: 8657 Baypine Road, Ste 110, Jacksonville, FL 32256

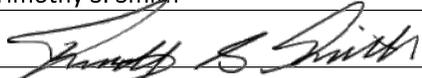
CITY, STATE, ZIP CODE: See above

TELEPHONE: 407.321.8410

FAX: N/A

E-MAIL: Contact: Sean White; swhite@whartonsmith.com

PRINT NAME OF AUTHORIZED REPRESENTATIVE: Timothy S. Smith

SIGNATURE OF AUTHORIZED REPRESENTATIVE: 

NAME AND TITLE OF AUTHORIZED REPRESENTATIVE: Timothy S. Smith, President/CEO

MINIMUM QUALIFICATIONS:

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

- I. Contractor’s related experience shall include at least three (3) Water or Wastewater Treatment Plant projects each costing \$50,000,000 or greater and successfully completed within the last ten (10) years including, but not limited to, the following information.
 - List of services provided by the prime Contractor and those that were subcontracted to other companies, with a total percentage of the work subcontracted.
 - Project name, owner name, engineer name, owner contact person, phone numbers and emails for both engineer and owner
 - Description of project.
- II. A minimum of two (2) Wastewater Treatment Plants constructed in the past ten (10) years: one (1) expanding a Wastewater Treatment Plant to 5 million gallon per day (MGD) Annual Average Daily Flow (AADF) or larger and one (1) project constructing and/or expanding a 5 MGD AADF or larger Wastewater Treatment Plant. If these projects are different from the projects provided above, include same information requested above, for these projects. Projects may overlap with the above.
- III. Respondent must provide their EMR rating: 0.74
*Please see attached EMR Letter
- IV. Respondent shall have a valid State of Florida General or Underground Contractor’s license number.
Please see attached licenses.

It is the responsibility of the Bidder to ensure and certify that it meets the Minimum Qualifications stated above. A Bidder not meeting all of the following criteria will have their Bid rejected.

Appendix B - Bid Form
1411464646 Arlington East WRF Expansion

Owner: Orange Co BOCC; Contact: Terra Reffitt

1. Reference Name Engineer: Arcadis U.S., Inc; Contact: Freddy Betancourt

Reference Phone Number Owner: 407.947.9802; Engineer: 407.660.1133

Owner: terra.reffitt@ocfl.net
Reference E-Mail Address Engineer: freddy.betancourt@arcadis.com

Contract Duration/Amount Start Date: 12.16.19; Completion Date: 10.04.22; \$114,619,420

Description of Project Project Name: Hamlin Water Reclamation Facility and Master Pump Station

Wharton-Smith is providing general contracting services at the Hamlin Water

Reclamation Facility for the Orange County Board of Commissioners. This new 5.0 MGD facility

includes all systems such as a preliminary treatment structure with screening, grit, and odor

control, activated sludge treatment train with BNR process and diffused aeration, process air

blower system and building, secondary clarifiers and clarifier splitter box, plant pump stations,

tertiary filters, chlorine contact tank, chemical feed and storage systems, sludge holding tanks,

gravity belt thickener equipment, a 5-million-gallon ground storage tank, and a variety of pumps

(NRCY, Scum, RAS, WAS, VT Transfer, VT HSP). Also included in this project is 3,600 linear feet

of 36" diameter off-site force main and an off-site, \$8 million master pump station complete with

a CIP wet well, electrical building, and odor control system.

Subcontracted Trades: Hauling, Landscape & Irrigation, Fencing, Sitework, MOT, Concrete, Metal Bldg, Painting, HVAC, Plumbing, HVAC, Pre-Stressed Concrete Tank, I&C,

Total Percentage of the Work Subcontracted: 42%; MWBE Participation: 6.6%

Self Perform Trades: Sitework, Concrete, Piping, Mechanical/Process Equipment Install

Meets Minimum Qualification Items:

I - W/WWTP over \$50 M

II - Construction of a WWTP 5 MGD

Appendix B - Bid Form
1411464646 Arlington East WRF Expansion

Owner: Seminole Tribe of Florida; Contact: Kirk Toney

2. Reference Name Engineer: Jacobs; Contact: Robert Dowd

Owner: 954.966.6300 x 11207

Reference Phone Number Engineer: 305.450.1217

Owner: kirktony@semtribe.com

Reference E-Mail Address Engineer: robert.dowd@jacobs.com

Contract Duration/Amount Start Date: 04.2018; Completion Date: 04.2020; \$55,170,550.13

Description of Project Project Name: Hollywood WWTP

Wharton-Smith provided general contracting services for the Hollywood Wastewater Treatment Plant (WWTP) for the Seminole Tribe of Florida. As general contractor, the Wharton-Smith team constructed the new reclamation facility which features the Sequence Batch Reactor (SBR)

process, a five-step method for treating wastewater. This challenging project was built in three phases occurring concurrently in order for the project to be completed in a two-year time frame.

During phase one, our team installed 4,000 linear feet of 24" force main through residential

neighborhoods and underneath the Florida Turnpike to the location of the new plant. In phase

two, an injection well pump station was constructed to allow effluent water to be discharged

into new deep injection wells. In Phase three, Wharton-Smith constructed the new 3 MGD

WWTP including SBR tanks, digesters, headworks, an operations building, electrical building,

and other structures.

Subcontracted Trades: Demolition, Painting, Pre-Engineered Metal Bldgs; HVAC, Plumbing, Sitework; Electrical, Concrete & Masonry, Electrical, Painting & Coating, Roofing

Total Percentage of the Work Subcontracted: 32%

Self Perform Trades: Sitework, Concrete, Piping, Mechanical/Process Equipment Install

Meets Minimum Qualification Items:

I - W/WWTP over \$50 M

Appendix B - Bid Form
 1411464646 Arlington East WRF Expansion

Owner: Hillsborough Co BOCC; Contact: Kelly Kiner

3. Reference Name Engineer: Tetra Tech; Kevin Friedman
Owner: 813.209.3067
- Reference Phone Number Engineer: 407.480.3920
Owner: kinerk@hcflgov.net
- Reference E-Mail Address Engineer: kevin.friedman@tetrattech.com
Start Date: 06.15.17; Completion Date: 09.23.20;
- Contract Duration/Amount Full JV Amount: \$193,000,000; WS Portion: \$94,570,000
- Description of Project NW Regional WRF - A JV with Garney Construction
- This project was a design build project with Hillsborough County BOCC to expand an existing
wastewater treatment facility from 10 MGD to 30 MGD. This expansion included a new
Headworks, 5 Stage Bardenpho Treatment Trains, Secondary Clarifiers, Deep Bed Filters, Chlorine
Contact Basins and many other improvements. It was the largest capital improvement project in
Hillsborough County's history.
- The design-build delivery method allowed the County to manage program risks, promote
collaboration, and mitigate community impacts. A key challenge of the project was expanding
the existing facility while mitigating historical odor and noise issues. Through innovative design
and proactive community engagement, the design-build team resolved these challenges and
achieved regional sustainability goals by restoring wetlands, improving system reliability, and
improving quality of life.
- Sitework, Dewatering, Demotion, Paving, Fencing, Concrete, Structural Steel,
 Subcontracted Trades: Prestressed Concrete Tanks, Painting, Roofing, HVAC, Electrical & I&C
- Total Percentage of the Work Subcontracted: 46%
- Self Perform Trades: Sitework, Concrete, Piping, Mechanical/Process Equipment Install
- Meets Minimum Qualification Items:
I - W/WWTP over \$50 M
II - Construction of a WWTP 5 MGD

Appendix B - Bid Form
 1411464646 Arlington East WRF Expansion

Owner: Foley Cellulose, LLC (Georgia Pacific)

4. Reference Name Engineer: Tetra Tech, Inc.
Owner: 404.825.7187
 Reference Phone Number Engineer: 407.480.3915
Owner: jimmy.strom@gapac.com
 Reference E-Mail Address Engineer: rasesh.shah@tetrattech.com
Start Date: 08.22.16; Completion Date: 03.05.2019;
 Contract Duration/Amount Full JV Amount: Over \$50 million exact cost is confidential

Description of Project Wharton-Smith provided Design-Build services for the Foley WWTP Modifications project, which included converting the existing anaerobic sludge bed (ASB) wastewater treatment process to an activated sludge treatment (AST) process. The main components of construction included a pump station with two 460HP submersible pumps, a four-cell cooling tower, two 250' diameter clarifiers, a 100 MGD clarifier influent pump station with axial flow propeller pumps, a splitter box with adjustable weirs, a new RAS/WAS pump station, a new dewatering building with two centrifuges, two gravity belt thickeners, and the relocation of 42 aerators within the existing lagoons. Secondary processes and construction include an Acid Neutralization system, relocation of the foul condensate mill stream to the lagoons, and conversion of an existing cell within a treatment lagoon to a mixing aeration basin with 11 aerators. The WWTP portion of this project was the conversion of the mill's existing treatment system into an activated sludge treatment system. This required close attention to be paid to the construction activities and project sequencing to ensure that mill operations would not be impacted by our work. The project team was able to design and construct the majority of the new treatment system around the existing treatment system, which minimized the impact on mill operations. Understanding how the mill's treatment system operates, we identified key structures and equipment (i.e. temporary bulkhead gates) that were added in order to successfully tie-in the newly constructed system to the existing one. There was a critical dual mill outage, known as a cold mill outage, that the owner identified early on in the project as the only opportunity to perform some of the construction activities necessary to tie-in the new system to the existing one. This nine-day shutdown, which only happens every five years, required extensive planning and preparation for the project team to accomplish all that had to be done during this outage. Through the planning efforts taken the project team was able to successfully implement all work required to not only maintain mill operations coming out of the cold mill outage but also set up the project six months from then when the new system was ready to be placed online. The work performed during the outage allowed transition to be seamless and no mill operations were impacted.

Subcontracted Trades: Concrete, Sitework, Precast Concrete Bldg, Painting, HVAC, Plumbing, Electrical Dewatering, Clarifiers

Total Percentage of the Work Subcontracted: 39%

Self Perform Trades: Sitework, Concrete, Piping, Mechanical Process Equipment Install

Meets Minimum Qualification Items:

I - W/WWTP over \$50 M

II - Construction of a WWTP 5 MGD

Appendix B - Bid Form
1411464646 Arlington East WRF Expansion

LIST OF SUBCONTRACTORS

JEA Solicitation Number #1411464646 requires certain major Subcontractors be listed on this form, unless the work will be self-performed by the Company.

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

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

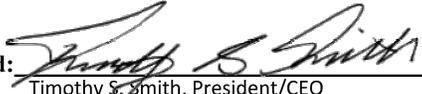
Type of Work	Corporate Name of Subcontractor	Subcontractor Primary Contact Person & Telephone Number	Subcontractor's License Number (if applicable)	Percentage of Work or Dollar Amount	Will the Provider Self Perform this Category? Yes/No
Project 135-11					
Slide Gates for Headworks	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	1%	Yes
Generator for Headworks	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	0.6%	No
Electrical Distribution for Headworks	Cogburn Bros, Inc	Chad Walker 904.358.7344	EC-0000426	1%	No
Horizontal Centrifugal Self-Priming Pumps	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	0.15%	Yes
Disk Filter Equipment	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	1%	Yes
Vertical Dry-Pit Solids-Handling Pumps	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	0.2%	Yes
Bypass Pumping	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	0.15%	Yes
Dewatering	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	0.16%	Yes
Concrete Work	Integ-Crete Construction, LLC	Justin Drawdy 772.216.4412	CGC1523363	3.6%	No

Appendix B - Bid Form
1411464646 Arlington East WRF Expansion

Electrical	Cogburn Bros, Inc	Chad Walker 904.358.7344	EC-0000426	5%	No
Instrumentation/programming Integrator	Tesco Controls, Inc	Chuck Carsno 916.395.8800	N/A	0.5%	No
Process Piping	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	10%	Yes
Asphalt Paving	Tim-Prep	Mike Stokes 904.289.7000	CUC056786	See price listed in 135-14	No
Heating Ventilation and Cooling	W.W. Gay Mechanical Contractor, Inc.	Jamie Webb 904.394.7929	CMC1250830	0.4%	No
Demolition	Realco Recycling Co, Inc	Jerry Doherty 904.757.7311	CGC055166	0.2%	No
Project 135-14					
Aluminum Truss Supported Flat Covers	CST Covers	Jeremy Ley 816.751.4350	N/A	1%	No
Circular Primary Clarifier Equipment	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	1%	Yes
Aeration Basin 9 Slide Gates	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	0.1%	Yes
Aeration Basin 9 Vertical Mixers	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	0.1%	Yes
WAS Pumps	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	0.1%	Yes
Bypass Pumping	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	2%	Yes
Dewatering	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	0.15%	Yes
Concrete Work	Integ-Crete Construction, LLC	Justin Drawdy 772.216.4412	CGC1523363	5.5 %	No

Appendix B - Bid Form
 1411464646 Arlington East WRF Expansion

Electrical	Cogburn Bros, Inc	Chad Walker 904.358.7344	EC-0000426	5%	No
Instrumentation/programming Integrator	Tesco Controls, Inc	Chuck Carsno 916.395.8800	N/A	2%	No
Process Piping	Wharton-Smith Self-Perform	Sean White 407.321.8410	CGC1511243	3%	Yes
Asphalt Paving	Tim-Prep	Mike Stokes 904.289.7000	CUC056786	0.4%	No
Heating Ventilation and Cooling	W.W. Gay Mechanical Contractor, Inc.	Jamie Webb 904.394.7929	CMC1250830	0.1%	No
Demolition	Realco Recycling Co, Inc	Jerry Doherty 904.757.7311	CGC055166	0.5%	No

Signed: 
 Timothy S. Smith, President/CEO
 Company: Wharton-Smith, Inc.
 Address: 750 Monroe Road, Sanford, FL 32771
 Date: January 30, 2024

LIST OF JSEB SUBCONTRACTORS

The following JSEB Subcontractors will be utilized in fulfilling the terms and conditions of a Project Authorization arising from award of JEA - ¹⁴¹¹⁴~~64646~~. I (We) the undersigned understand that failure to submit said information will result in bid rejection. I (We) will employ the JSEB Subcontractors specified below: (Use additional sheets as necessary)

Class of Work (Category)	*Name of JSEB Contractor (Indicate below)	Percentage of Total Job or Dollar Amount
Sodding	Landscape Construction, LLC	\$30,600
Erosion Control	D and J Erosion Control Specialists, LLC	\$10,000
Striping	M&J Striping	\$5,143
Electrical Gear & Fixture Package	L&L Supply, Inc.	\$1,500,000
Pipe, Valves, Fittings & Equipment	RZ Service Group, LLC	\$3,500,000

Signed 
 Company Wharton-Smith, Inc.
 Address 750 Monroe Road, Sanford, FL 32771
 Date: January 30, 2024

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

BID BOND

STATE OF FLORIDA

COUNTY OF: Duval

KNOW ALL PERSONS BY THESE PRESENTS, That we, Wharton-Smith, Inc. (hereinafter called "Principal"), and Western Surety Company as Surety (hereinafter called "Surety"), are held and firmly bound unto the JEA of the City of Jacksonville, Florida (hereinafter called the "JEA"), in the sum of \$ 5% of Bid lawful money of the United States of America, for the payment which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents:

WHEREAS, the Principal contemplates submitting or has submitted a Bid to the JEA for:

Arlington East WRF Expansion Phase 2, Solicitation Number 1411464646

WHEREAS, it was a condition precedent to the submission of said Bid that a certified check or Bid Bond in the amount of 5% of Bid be submitted with said Bid as a guaranty that the Principal would, if awarded the contract, enter into a written contract with the JEA and furnish a Section 255.05 Florida Statutes Contract Bond in an amount equal to 100% of Contract for the performance of said contract, within ten consecutive calendar days after written notice being given of acceptance by the JEA.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that if the Bid of the Principal herein be accepted and said Principal, within ten consecutive calendar days after written notice being given of such acceptance, enters into a written contract with the JEA, and furnishes a Section 255.05, Florida Statutes Contract Bond in an amount equal to 100% of Contract satisfactory to the JEA, then this obligation shall be void; otherwise, the sum herein stated shall be due and payable to the JEA, and the Surety herein agrees to pay said sum immediately upon demand of said JEA, in good and lawful money of the United States of America; as liquidated damages for failure thereof of said Principal.

IN WITNESS WHEREOF, the said Principal and the said Surety have duly executed this bond the 30th day of January, 2024.

ATTEST:

Stephanie Pompeo
Signature
Stephanie Pompeo, Corporate Secretary
Type/Print Name

Dawn Cray
Signature
Dawn Cray
Type/Print Name

Signed, Sealed and Delivered in the Presence of:

Christine Morton
Signature
Christine Morton
Type/Print Name

Jennifer Hindley
Signature
Jennifer Hindley
Type/Print Name

Countersigned:

By Allyson Foss Wing
Allyson Foss Wing, Resident Agent
State of Florida

Name of Firm: Guignard Company

Address: 1904 Boothe Circle

Longwood, FL 32750

Wharton-Smith, Inc.
(Principal Company Name)

Timothy S. Smith
Signature
Timothy S. Smith
Type/Print Name

President/CEO
Title
AS PRINCIPAL



Western Surety Company
(Surety Company Name)

Allyson Foss Wing
Signature
Allyson Foss Wing
Type/Print Name

Attorney-in-Fact
Title
AS SURETY



Name of Agent: Allyson Foss Wing, Guignard Company

Address: 1904 Boothe Circle

Longwood, FL 32750

Inquiries: (407) 834-0022

Form Approved:

Assistant General Counsel

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Bryce R Guignard, M Gary Francis, April L Lively, Jennifer L Hindley, Margie L Morris, Allyson Foss Wing, Deborah Ann Defoe, Christine A Morton, Kelly Phelan, David R Turcios, Individually

of Longwood, FL, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the Authorizing By-Laws and Resolutions printed at the bottom of this page, duly adopted, as indicated, by the shareholders of the corporation

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 28th day of December, 2023.



WESTERN SURETY COMPANY

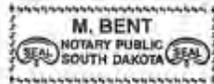
Larry Kasten

Larry Kasten, Vice President

State of South Dakota } ss.
County of Minnehaha

On this 28th day of December, 2023, before me personally came Larry Kasten, to me known, who, being by me duly sworn, did depose and say that he resides in the City of Sioux Falls, State of South Dakota, that he is a Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same in be the act and deed of said corporation.

My commission expires
March 2, 2026



M. Bent

M. Bent, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law and Resolutions of the corporation printed below this certificate are still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 30th day of January, 2024



WESTERN SURETY COMPANY

L. Nelson

L. Nelson, Assistant Secretary

Authorizing By-Laws and Resolutions

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company:

Section 7 All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney is signed by Larry Kasten, Vice President, who has been authorized pursuant to the above Bylaw to execute power of attorneys on behalf of Western Surety Company.

This Power of Attorney may be signed by digital signature and sealed by a digital or otherwise electronic-formatted corporate seal under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 27th day of April, 2022:

"RESOLVED: That it is in the best interest of the Company to periodically ratify and confirm any corporate documents signed by digital signatures and in ratify and confirm the use of a digital or otherwise electronic-formatted corporate seal, each to be considered the act and deed of the Company."

Go to www.cnasurety.com > Owner / Obligor Services > Validate Bond Coverage, if you want to verify bond authenticity.



License

Ron DeSantis, Governor Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

SMITH, TIMOTHY SCOT
WHARTON-SMITH INC
750 MONROE ROAD
SANFORD FL 32771

LICENSE NUMBER: CGC1511243

EXPIRATION DATE: AUGUST 31, 2024

Always verify licenses online at MyFloridaLicense.com



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Ron DeSantis, Governor Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

HEWITT, PATRICK JOHN
WHARTON-SMITH, INC
750 MONROE ROAD
SANFORD FL 32771

LICENSE NUMBER: CGC055975

EXPIRATION DATE: AUGUST 31, 2024

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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

THE UNDERGROUND UTILITY & EXCAVATION CO HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES



DAVOLI, RONALD FRANK
WHARTON-SMITH INC
750 MONROE ROAD
SANFORD FL 32771

LICENSE NUMBER: CUC056506

EXPIRATION DATE: AUGUST 31, 2024
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Ron DeSantis, Governor Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

THE MECHANICAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES



HEWITT, PATRICK JOHN
WHARTON-SMITH INC
2606 CHIPPEWA TRAIL
MAITLAND FL 32751

LICENSE NUMBER: CMC1249482

EXPIRATION DATE: AUGUST 31, 2024
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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

THE PLUMBING CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

SMITH, TIMOTHY SCOT
WHARTON-SMITH INC
750 MONROE ROAD
SANFORD FL 32771

LICENSE NUMBER: CFC1427566

EXPIRATION DATE: AUGUST 31, 2024

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Ron DeSantis, Governor Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

THE POLLUTANT STORAGE SYSTEMS CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

SMITH, TIMOTHY SCOT
WHARTON-SMITH, INC
750 MONROE ROAD
SANFORD FL 32771

LICENSE NUMBER: PCC1256921

EXPIRATION DATE: AUGUST 31, 2024

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License

	SEMINOLE COUNTY BUSINESS TAX RECEIPT PO BOX 630, SANFORD, FL 32772 • 407-665-1000 WWW.SEMINOLECOUNTY.TAX VALID THROUGH 09/30/24	
WHARTON-SMITH INC 750 MONROE RD SANFORD, FL 32771	Account #: 022717	
GEORGE E SMITH (OFFICER) TIMOTHY SMITH (OFFICER)	REGULATED License # - CGC1511243 / CFC1427566 Qualifier- TIMOTHY S SMITH	
Receipt #: WEB#2023070929353	Amount Paid: \$ 45.00	Date Paid: 07/09/2023



State of Florida Department of State

I certify from the records of this office that WHARTON-SMITH, INC. is a corporation organized under the laws of the State of Florida, filed on April 3, 1984, effective April 2, 1984.

The document number of this corporation is G94383.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 3, 2024, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Third day of January, 2024*




Secretary of State

Tracking Number: 4058037720CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



April 3, 2023

Wharton-Smith, Inc.

750 Monroe Road

Sanford, FL 32771

RE: Workers Compensation, Policy # WC203610917

Amerisure Mutual Insurance Company

Policy Term: 04/01/2023 to 04/01/2024

RE: EMR Letter – Workers Compensation

To Whom it may concern:

This letter is to confirm your experience modification factors for the current and prior policy periods for Wharton-Smith Inc.'s experience mod history:

- 4/1/2023-24 .74
- 4/1/2022-23 .96
- 4/1/2021-22 .98
- 4/1/2020-21 .95

Sincerely,

A handwritten signature in grey ink that reads "Gina Denman".

Gina A. Denman, AIS, AINS, LUTCF

Client Service Representative

Wharton-Smith, Inc.
CONSTRUCTION GROUP

CORPORATE RESOLUTION

I, the undersigned Secretary of Wharton Smith, Inc., a corporation organized and existing under the laws of the State of Florida, do hereby certify that a meeting of the Board of Directors of said corporation, duly held on February 13, 2023, a quorum being present, the following resolution was adopted and entered upon the regular minute book of said corporation, is in accordance with the by-laws and is now in full force and effect to-wit:

The current list of qualifiers to act for the business organization in all matters connected with its contracting business has now been amended to read:

Ronald F. Davoli
George E. Smith
Timothy S. Smith
Stephanie L. Pompeo
Patrick J. Hewitt
Kenneth E. Marcell III
Darin A. Crafton
Todd H. O'Donnell
Gregory L. Williams
Thomas D. Iarossi
Andre P. Boagni

I HEREBY certify that the foregoing is a true and exact copy of the resolution adopted by the Board of Directors of this Corporation and that such resolution has not been amended, modified, or revoked and is still in force and effect.

Signed and sealed this 13th day of February 2023.
(Seal of Corporation)




Stephanie L. Pompeo, Secretary

JEA Capital Projects Committee Agenda

MEMORANDUM



Easement Acquisitions – Electric Transmission and Water Transmission Projects

Committee Meeting Date: May 14, 2024

Outcome: INFORMATION ONLY ACTION FUTURE BOARD CONSIDERATION

If Action, Provide a Recommended Motion:
 Staff recommends negotiating for the acquisitions of both easements in the amount of \$22 Million.

Consent Agenda Item: Yes No

Presenter: Kim Wheeler, Vice President, Operations Support

Chief: Raynetta Curry Marshall, Chief Operating Officer

Strategic Focus Area: DEVELOPING AN UNBEATABLE TEAM DELIVERING BUSINESS EXCELLENCE EARNING CUSTOMER LOYALTY

Purpose of Agenda Item: JEA has two major projects needed to accommodate future growth and optimize existing resources. One is a water transmission project which is currently under construction. The other is an electric transmission project in the design phase. JEA requires two easements from a single landowner. The first easement allows for the completion of the water transmission lines. The second easement provides a clear identified route for future electric transmission needed to serve the community.

Background Information & Analysis: The Deerwood to Greenland Water Reclamation Facility is a water transmission project with 2.5 miles of reclaimed water main and nearly 7 miles of raw water main. The raw water main will allow for more water to be utilized from the Mainstreet wells on the North Grid in order to reduce stress on the South Grid wells, thus providing for future growth and sustainability of existing well fields. The reclaimed water main will maximize the reclaimed water flow from Arlington East to the South Grid. The easement allows construction of the last piece of the project.

The Mayo to Greenland Energy Center is an electric transmission project containing nearly 10 miles of 230 kV transmission lines needed to serve the growth of Mayo and the surrounding areas.

JEA Capital Projects Committee Agenda

MEMORANDUM



Easement Acquisitions – Electric Transmission and Water Transmission Projects

Background Information & Analysis:

The subject easements are on property owned by the following entities:

- Big Creek Timber, LLC
- Estuary, LLC

Financial Impact:

The easement needed for the completion of the water lines was appraised at \$9.3 Million. The easement for the extension of the electric transmission route is appraised at \$9.8 Million. JEA can purchase both easements from a single land owner for \$22 Million.

The water transmission line is fully designed, fully permitted and the contractor is on board. The total estimated construction cost is \$68.2 Million. The alternate route would require survey, design, permitting, construction contract revisions/demobilization costs and would strand assets.

The electric transmission construction cost is estimated at \$41.5 Million. Additional easements would be required, and construction cost would increase significantly for alternative routes.

Committee/Board Meeting/Workshop & Date Presented:

Include a timeline of all Board/Committee/Workshop dates this item has been presented in the past

N/A

Appendix: *List appendix items provided*

N/A