

Date: September 19, 2023

Agenda Item No. 3(B)(2)

To: Honorable Chairman Oliver G. Gilbert, III
and Members, Board of County Commissioners

From: Daniella Levine Cava
Mayor



Resolution No. R-797-23

Subject: Resolution Ratifying the Award of Construction Contract W-952 - Alexander Orr Water Treatment Plant Sodium Hypochlorite Feed & Storage Facility related to Miami-Dade Water and Sewer Department's Consent Decree and Capital Improvement Programs Acceleration Ordinance

Executive Summary

The attached resolution seeks ratification of a Construction Contract W-952 - Alexander Orr Water Treatment Plant Sodium Hypochlorite Feed & Storage Facility with RF Environmental Services Inc. in an amount not to exceed \$4,362,930.00. The project consists of the construction of a new Bulk Sodium Hypochlorite Feed and Storage Facility with sufficient storage capacity to supply the disinfection process at the Alexander Orr Water Treatment Plant. This project will replace a temporary sodium hypochlorite storage and feed facility built in 2013. The temporary unit only provides 3 days of storage, which is insufficient to maintain operations in emergencies. The new system will provide 15 days of storage and support the complete phase out of chlorine gas.

Recommendation

It is recommended that the Board of County Commissioners (Board) ratify the action of the County Mayor or County Mayor's designee, as authorized under Section 2-8.2.12 of the Miami-Dade County Code related to Miami-Dade Water and Sewer Department's (WASD) Consent Decree and Capital Improvement Programs Acceleration Ordinance (WASD's Acceleration Ordinance) for the funded project identified below and on Exhibit A, as attached.

Capital Improvement Project

This project is for the construction of proposed infrastructure and is necessary to replace the existing chlorine gas and pilot sodium hypochlorite storage and feed system used for disinfection which is experiencing failure and advanced corrosion at Alexander Orr Water Treatment Plant. This project will also provide complete redundancy, hence increasing the reliability of the systems.

Item 1 – Recommendation awarding Contract No. W-952 - Alexander Orr Water Treatment Plant Sodium Hypochlorite Feed & Storage Facility (the Contract) for the construction of a new Bulk Sodium Hypochlorite Feed and Storage Facility with sufficient storage capacity to supply the disinfection process at the Alexander Orr Water Treatment Plant. This project will replace a temporary sodium hypochlorite storage and feed facility built in 2013. The temporary unit only provides 3 days of storage, which is insufficient to maintain operations in emergencies. The new system will provide 15 days of storage and support the complete phase out of chlorine gas. This item requests ratification of an award for the Contract in an amount not to exceed \$4,362,930.00 with a total contract period of 575 days plus a 58-calendar day contingency period to RF

Environmental Services Inc. The Contract was fully executed and attested by the Clerk's Office on July 18, 2023.

Delegation of Authority

This Contract was awarded pursuant to Section 2-8.2.12 of the Miami-Dade County Code related to WASD's Acceleration Ordinance, which delegates authority to the County Mayor or County Mayor's designee to award certain projects, and among other things, negotiate and settle claims, and execute change orders that do not exceed ten percent (10%) of the base contract amount, subject to ratification by the Board.

Scope

This project will replace a temporary sodium hypochlorite storage and feed facility built in 2013. The temporary unit only provides 3 days of storage, which is insufficient to maintain operations in emergencies. The new system will provide 15 days of storage and support the complete phase out of chlorine gas, located at 6825 SW 87th Avenue, Miami, FL 33173. As shown on Exhibit A, this project is located in Commission District 6, which is represented by Commissioner Kevin Marino Cabrera.

Fiscal Impact/Funding Source

The funding sources for this project are as follow: Funding will be provided from Project #9650031 – Water Treatment Plant – Alexander Orr, Jr. Expansion, Book Volume 3, Page: 98, Adopted Budget and Multi-Year Capital Plan for FY 2022-23, Future WASD Revenue Bonds, WASD Revenue Bonds Sold, and Water Renewal and Replacement Fund, and are detailed on Exhibit A and other accompanying attachments. The fiscal impact to the County will be \$4,362.930.00 for this project.

Track Record/Monitoring

WASD's Deputy Director of Planning, Regulatory Compliance & Capital Infrastructure, Marisela Aranguiz-Cueto, will oversee the implementation of this project.

Due Diligence/Safety Information

Due diligence was conducted by WASD and the Internal Services Department (ISD) in accordance with ISD's Procurement Guidelines to determine responsibility, including verifying corporate status; performance; safety record, including Occupational Safety and Health Administration (OSHA) records; and compliance data. The lists that were reviewed include: convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings related to RF Environmental Services Inc.'s responsibility. This information is being provided pursuant to Resolution No. R-187-12.

Background

On September 3, 2014, the Board approved Ordinance No. 14-77 authorizing the County Mayor or County Mayor's designee to award contracts for funded capital projects and related goods and services, and to accelerate the approval of WASD's (1) Consent Decree projects and (2) projects identified in WASD Multi-Year Capital Plan's Capital Improvement Program without the need for prior Board approval but subject to ratification by the Board.

Exhibit A includes the details of the competitively bid award for which ratification is being requested. Exhibit A contains the information bulleted below for the contract award:

- Item Number
- Department Name
- Type of Solicitation
- Contract Type
- Contract No. / Project No.
- Project Name
- Firm Awarded
- Commission District
- Contract Amount
- Funding Source(s)
- Operations and Maintenance Costs
- Estimated Start Date/Estimated End Date
- Contract Measures: SBE Goods & Services; SBE-A/E; SBE-Construction; and CWP Program
- Brief Project Description

Attached as Exhibit B is the recommendation to award the Contract referenced in Item No. 1 in this memorandum. A copy of the Contract is available from the Intergovernmental Affairs Division of WASD.

Attachments

A handwritten signature in blue ink, appearing to read 'Jimmy Morales', is positioned above a horizontal line.

Jimmy Morales
Chief Operations Officer

Exhibit A

Ratification of Contract Awards Authorized by the WASD Accelerate Ordinance

Item No.	Dept. Name	Type of Solicitation	Contract Type	Contract No.		Project Name	Firm Awarded	Commission District	Contract Amount	Funding Source(s)	Operations and Maintenance Costs	Est. Start Date		Contract Measures				Brief Project Description
				Contract No.	Project No.							Est. End Date	Est. Start Date	SBE Goods & Services	SBE A/E	SBE Construction	CWP Program	
1	WASD	County Bid Process	Construction Contract	Contract No. W-952		Alexander Orr Water Treatment Plant Solum Hypochlorite Feed & Storage Facility	RF Environmental Services Inc.	District 6 (Comm. Kevin Marino Cabrera)	\$4,362,930.00	Future WASD Revenue Bonds; WASD Revenue Bonds Sold; Water Renewal and Replacement Fund (Project #: 9650031 Water Treatment Plant - Alexander Orr, Jr. Expansion)	N/A	Estimated Notice to Proceed Date: 07/24/2023 Completion Date: 02/18/2025 (total contract period is 575 days)		n/a	n/a	8.58%	n/a	This project is for the construction of a new Bulk Sodium Hypochlorite Feed and Storage Facility at the Alexander Orr Water Treatment Plantm, located at 6825 SW 87 Avenue, Miami, FL 33173
Total Dollar Value of Award:										\$4,362,930.00								

MDC004

Memorandum**Date:****To:** Roy Coley, Director
Water and Sewer Department**From:** Marisela Aranguiz-Cueto, Deputy Director
Planning, Regulatory Compliance & Capital Infrastructure**Subject:** Construction Contract W-952 Award Recommendation for Alexander Orr Water Treatment Plant Sodium Hypochlorite Feed & Storage Facility

EXECUTIVE SUMMARY

This memorandum seeks approval to award construction Contract W-952 to the lowest responsive and responsible bidder, RF Environmental Services Inc. (RF Environmental), subject to ratification by the Board of County Commissioners (Board). Contract W-952 involves replacing the existing chlorine gas and pilot sodium hypochlorite storage and feed system used for disinfection of potable water at the Alexander Orr Water Treatment Plant. The existing equipment and systems have reached the end of their useful lives and are currently in poor condition, requiring increasingly more maintenance to remain operable and provide the necessary level of service. This project is part of the Miami-Dade Water and Sewer Department's (WASD's) Water Reset Program for the renewal and replacement of equipment and the implementation of advanced and efficient technology to provide more resilient and sustainable water service to the residents and visitors of Miami-Dade County. The Water Reset Program represents a WASD commitment to reinvest and improve the water infrastructure, and consists of a compilation of approximately 100 WASD managed projects designed to address critical needs across the water treatment plants and distribution system.

RECOMMENDATION

It is recommended to award Contract W-952 to RF Environmental for a total compensation amount of \$4,362,930.00, with a total contract period of 575 days.

SCOPE

The Alexander Orr Water Treatment Plant is located at 6825 SW 87th Avenue, Miami, FL 33173 in District 6, which is represented by Commissioner Kevin Marino Cabrera.

DELEGATION OF AUTHORITY

This project is a Capital Improvement Contract being processed under Section 2-8.2.12 of the Miami-Dade County Code, a/k/a the WASD Consent Decree and Capital Improvement Program Acceleration Ordinance (Acceleration Ordinance). Pursuant to the Acceleration Ordinance, the County Mayor or County Mayor's designee is authorized to amend and execute the Contract, subject to ratification by the Board. Pursuant to Sections 2-8.2.12 (4)(d) and (e) of the Code, the County Mayor or County Mayor's designee has the authority to, among other things, amend and/or extend the contract to complete any unfinished work, waive liquidated damages, negotiate and

settle claims, and execute change orders that do not exceed ten percent (10%) of the base contract amount.

FISCAL IMPACT / FUNDING SOURCE

The fiscal impact to the County is \$4,362,930.00, which WASD has determined is a fair and reasonable amount for the project's scope of work.

- Funding will be provided from Project #9650031 –Water Treatment Plant – Alexander Orr, Jr. Expansion, Book Volume 3, Page: 98, Adopted Budget and Multi-Year Capital Plan for FY 2022-23.
- The funding sources are Future WASD Revenue Bonds, WASD Revenue Bonds Sold, and Water Renewal and Replacement Fund.
- The life expectancy of the new Sodium Hypochlorite Feed & Storage Facility is 25 years.
- There is no GOB funding or Art in Public Places.
- The IG Fee is included.

VENDOR SELECTION & TRACK RECORD

On January 19, 2023, WASD received and opened five (5) bids in response to the November 10, 2022 advertisement for an open competitive solicitation for the Contract. The following were the bids received by the County:

Company Name	Base Bid	Total Bid*
RF Environmental Services Inc	\$3,861,000.00	\$4,362,930.00
Gonzalez and Sons Equipment Inc	\$4,794,898.00	\$5,418,235.00
Comtech Engineering Inc	\$4,983,000.00	\$5,630,790.00
Poole and Kent Company Florida	\$5,346,000.00	\$6,040,980.00
Kiewit Infrastructure South Co	\$6,195,000.00	\$7,000,360.00

**Total bid includes contingency & dedicated allowances.*

The following due diligence was performed to confirm RF Environmental as the lowest responsive and responsible bidder:

- Because contract measures were assigned, the three (3) lowest bids were forwarded to Internal Services Department's (ISD) Division of Small Business Development (SBD) for a Compliance Review. On February 10, 2023, SBD issued the results of its Compliance Review and determined that the lowest bidder, RF Environmental, was in compliance with the 8.58% small business enterprise (SBE) construction goal established for the Contract and was also compliant with Implementing Orders 3-22 and 3-41. The project is not in a Designated Target Area, so the Community Workforce Program is not applicable.
- Since the lowest bid was substantially lower than the second lowest bid, the Engineer of Record (EOR), HDR, Inc. (HDR), inquired about the validity of the bid submission. HDR

developed the estimate for this project with a healthy contingency to account for market volatility in material and equipment costs. After reviewing the apparent low bidder submittal and responses to bid related questions, on February 10, 2023 HDR determined that the low bid was acceptable as submitted and that RF Environmental satisfied the requirements of the solicitation.

- Pursuant to Resolution R-187-12, WASD performed a review of the vendor information in the Business Management Workforce System (BMWS). WASD discovered no adverse information. Considering the input of ISD and the EOR, WASD concluded that RF Environmental is responsible.
- According to the contract history downloaded from BMWS on February 14, 2023, RF Environmental has been awarded one (1) construction contract in the past three (3) years with the County, with a total value of \$4,364,788.40.
- RF Environmental has a single evaluation in the ISD Capital Improvement Information System (CIIS), with a rating of 3.7.

Considering the input of ISD and the EOR, WASD has concluded that the apparent lowest bidder, RF Environmental, is both responsive and responsible. The bid is 17.95% below the EOR's estimate, the bidder has a 3.7 rating in CIIS and there are no protests, qualifying for an award under the Acceleration Ordinance, subject to ratification by the Board. Therefore, it is recommended that Contract W-952 be awarded to RF Environmental for a total compensation amount of \$4,362,930.00, with a total contract period of 575 days.

WASD CONTRACT MONITORING

WASD Deputy Director, Planning Regulatory Compliance and Capital Infrastructure, Marisela Aranguiz-Cueto, P.E., will oversee the implementation of Contract W-952.

BACKGROUND:

The project is a part of WASD's Water Reset Program, which is a priority initiative for WASD to reinvest in its water infrastructure to ensure sustainable and resilient service. The Water Reset Program involves equipment/system replacements to address aging infrastructure, facility hardening to ensure continued reliability during severe weather events, incorporating redundancy to fortify system dependability, and modernization and automatization of controls to collectively ensure the delivery of safe drinking water to the community while complying with all applicable regulations.

The project, which consists of furnishing materials, labor, and equipment necessary for the construction of a new Sodium Hypochlorite Storage and Feed System at the Alexander Orr, Jr. Water Treatment Plant, will improve the water disinfection process. The facility will replace the existing chlorine gas and pilot sodium hypochlorite storage and feed system used for disinfection throughout the plant. The purpose of the facilities is to provide storage of concentrated liquid sodium hypochlorite and subsequently to provide a feed system to pump the disinfectant to necessary discharge points throughout the treatment plant.

The facility will be constructed at the location of the existing Sodium Hypochlorite Storage and Feed System, between the filters and the switchgear building. The facility has been designed to consist of eight (8) 27,500-gallon fiberglass-reinforced plastic chemical storage tanks, three (3) diaphragm metering pump skids housing one (1) duty and one (1) backup pump each, two (2) centrifugal transfer pumps, secondary containment, a sump with sump pumps to discharge rainwater or chemical spills in the secondary containment areas, two (2) fill stations, and all associated piping, appurtenances, electrical equipment, instrumentation, and controls. The existing metering pumps and pump skids will be used. The facility will be constructed on the existing 16-inch concrete pad that will be extended to accommodate the new system.

Control of the system will be provided through Remote Terminal Unit (RTU) Control Panel installed in the electrical room. All field instrumentation and control wiring will be terminated inside the RTU Control Panel installed by RF Environmental, from which all applicable wiring connections will also be made. The RTU Control Panel will communicate with WASD's Supervisory Control and Data Acquisition network through a fiber-optic network.

It is WASD's intent to obtain a completely functional and satisfactory installation under this contract. Any items of labor, equipment, or materials that may be reasonably assumed as necessary to accomplish this shall be supplied whether or not they are specifically shown on the plans or stated in the specifications. RF Environmental shall provide all sheeting, shoring, bracing, and all other labor, material, or equipment required to preclude damage to or loss of functionality of any existing facility or system.

The estimated total cost of the project is \$4,362,930.00 (with a base of \$3,861,000.00 plus \$386,100.00 in a dedicated account for permits and \$115,830.00 in a contingency account). The total contract period is 575 days.

SEA LEVEL RISE (Ord. No. 14-79):

The impact of sea level rise has been considered as part of the design.

SUSTAINABLE BUILDINGS ORDINANCE: (Ord. No. 07-65)

The Envision Rating System and applicable components were considered as part of the design.

CONTRACT MANAGER NAME/PHONE/EMAIL

Paul Adams / 786-863-9425 / paul.adams@miamidade.gov

PROJECT MANAGER NAME/PHONE/EMAIL

Victor Delgado / 786-552-4368 / victor.delgado@miamidade.gov

The balance of this page is intentionally left blank

SIGNATURE PAGE

**Alexander Orr Water Treatment Plant Sodium Hypochlorite Feed & Storage Facility,
Project No.: N/A; Contract No.: W-952**



David Clodfelter
OMB Director

4/6/2023

Date

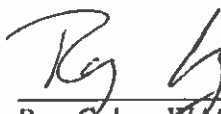
Approved as to legal sufficiency:



Angela F. Benjamin
Assistant County Attorney

April 5, 2023

Date



Roy Coley, WASD Director
on behalf of Mayor Daniella Levine Cava

4/7/2023
Date



MEMORANDUM

(Revised)

TO: Honorable Chairman Oliver G. Gilbert, III
and Members, Board of County Commissioners

DATE: September 19, 2023

FROM: 
Gen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 3(B)(2)

Please note any items checked.

- ☐ "3-Day Rule" for committees applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☐ Statement of social equity required
- ☐ Ordinance creating a new board requires detailed County Mayor's report for public hearing
- ☒ No committee review
- ☐ Applicable legislation requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3)(h) or (4)(c) ____, or CDMP 9 vote requirement per 2-116.1(4)(c)(2) ____ to approve
- ☐ Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 3(B)(2)
9-19-23

RESOLUTION NO. R-797-23

RESOLUTION RATIFYING AWARD OF A CONSTRUCTION CONTRACT TO RF ENVIRONMENTAL SERVICES INC. FOR ALEXANDER ORR WATER TREATMENT PLANT SODIUM HYPOCHLORITE FEED & STORAGE FACILITY, CONTRACT NO. W-952, PURSUANT TO SECTION 2-8.2.12 OF THE CODE OF MIAMI-DADE COUNTY, MIAMI-DADE WATER AND SEWER DEPARTMENT'S CONSENT DECREE AND CAPITAL IMPROVEMENT PROJECTS, IN A TOTAL AMOUNT NOT TO EXCEED \$4,362,930.00, AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXERCISE THE TERMINATION AND OTHER PROVISIONS CONTAINED THEREIN

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board:

Section 1. Approves the foregoing whereas clause and incorporates the same here as if fully set forth herein.

Section 2. Ratifies the award of a construction contract to RF Environmental Services Inc. for Alexander Orr Water Treatment Plant Sodium Hypochlorite Feed & Storage Facility, Contract No. W-952 (the "Contract"), pursuant to section 2.8.12.2 of the Code of Miami-Dade County, Miami-Dade Water and Sewer Department's Consent Decree and Capital Improvement Projects in a total amount not to exceed \$4,362,930.00.

Section 3. Authorizes the County Mayor or County Mayor's designee to exercise the termination and other provisions contained the Contract. The solicitation documents and contract are kept on file with and are available upon request from the Intergovernmental Affairs Division of the Miami-Dade Water and Sewer Department.

The foregoing resolution was offered by Commissioner **Eileen Higgins**, who moved its adoption. The motion was seconded by Commissioner **Danielle Cohen Higgins** and upon being put to a vote, the vote was as follows:

Oliver G. Gilbert, III, Chairman	aye		
Anthony Rodríguez, Vice Chairman	absent		
Marleine Bastien	aye	Juan Carlos Bermudez	aye
Kevin Marino Cabrera	aye	Sen. René García	aye
Roberto J. Gonzalez	aye	Keon Hardemon	aye
Danielle Cohen Higgins	aye	Eileen Higgins	aye
Kionne L. McGhee	aye	Raquel A. Regalado	aye
Micky Steinberg	aye		

The Chairperson thereupon declared this resolution duly passed and adopted this 19th day of September, 2023. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the Board.



MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

JUAN FERNANDEZ-BARQUIN, CLERK

By: Basia Pruna
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

A handwritten signature in blue ink, appearing to be "AB", is written over a horizontal line.

Angela F. Benjamin