

**DEPARTMENTAL INPUT  
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

Date: May 4, 2022

To: Gary T. Hartfield, Division Director  
Internal Services Department  
Small Business Development Division

From: Paul Adams, Manager  
Construction Contracts Division

Department: Miami-Dade Water and Sewer Department

Contract Title: HVAC Improvements – Package “C” Effluent Pump Station Back Up Chiller Addition, North Filter Building Substation 23 and 24, and South Filter Building Substation 27 and 28F.

Contract No.: S-981

Estimate \$6,249,127.60 (Construction \$5,434,024.00 + Allowances & Contingency \$815,103.60)

Funding Source: OMB# 9653261 - Wastewater Treatment Plants – Replacement and Renovation in the FY2021-22 Adopted Budget and Multi-Year Capital Plan, page# 83

**Small Business Enterprise – Construction – 9.50%**

**Analysis for Recommendation (Attached)**



Department Head or Authorized Agent

**DESCRIPTION OF PROJECT:**

The project involves significant HVAC work, including the demolition and modification of an existing temporary air conditioning system, the design and construction of a new spare chiller and cooling tower, removal of an existing exhaust system inside transformer rooms in two buildings and replacing them with new water cooled heat pump systems, replacing the existing HVAC system in the MCC control room with a new water cooled heat pump and adding a new Building Management System (BMS) to two buildings.

**LICENSES REQUIRED:**

At the time of Bid and pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County, Florida and these Solicitation and Contract Documents, the Bidder and subcontractors must hold a valid, current, and active:

- a. General Mechanical License (Prime)
- b. Plumbing License (Prime or Sub)
- c. Electrical License (Prime or Sub)
- d. Building Specialties License (Prime or Sub)

**MINIMUM EXPERIENCE REQUIRED:**

The Bidder/Subs must have a minimum of three (3) years of experience, under its current business name (which can include the experience of key supervisory employees that would man the project), in the construction of projects of similar scope / installation / repair / replacement of HVAC systems; supported by references for three (3) projects completed within the past five (5) years. Submitted reference Projects must demonstrate that the Bidder served as the Prime Contractor for the referenced Projects provided.

- a. Water Source Heat Pumps.
- b. Cooling Tower
- c. Condenser Water Pumps

**BASIS FOR RECOMMENDATION**

See attached breakdown of scope of work as relates to SBE Construction.

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<b>Small Business Enterprise – Goods &amp; Services – 8.36%</b> Analysis for Recommendation (Attached)
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**CONSIDERATIONS FOR ANALYSIS:**

See attached breakdown of scope of work as relates to SBE Goods & Services.

**S-981: HVAC IMPROVEMENTS - PACKAGE "C" EFFLUENT PUMP STATION BACK UP CHILLER ADDITION, NORTH FILTER BUILDING SUBSTATION 23 AND 24, AND SOUTH FILTER BUILDING SUBSTATION 27 AND 28**

Engineer Base Estimate			\$5,434,024.00	Engineer's Estimate		% of Construction	SBE Const Availability \$	SBE Const Availability %	Description SBE Construction
Item No.	Est. Quant	Unit of Measure	Description summary	Unit Price	Extended Price				
1	1	AS	For performing preparatory work and operations for mobilizing for beginning the work of the Project, but excluding materials and permit costs, both of which are paid under other payment items, the aggregate sum of (not to exceed 10% of the subtotal of bid items)	\$230,664.00	\$230,664.00	4.24%	\$0.00	0%	
2	1	AS	For demolition, modification including the temporary A/C and electric service and all other appurtenant items and work required for a complete preparation for the Project complete, the complete, the aggregate sum of	\$263,597.00	\$263,597.00	4.85%	\$39,539.55	15%	HVAC demo crew, Structural demo crew, Electrical Demo crew,
3	1	AS	For selling and delivering to the Department all necessary materials, equipment and supplies, as shown on plans, except for those called out in another Quotation Item, for the new system, complete will be paid at the aggregate sum of	\$3,201,193.00	\$3,201,193.00	58.91%	\$320,119.30	10%	Cooling tower, HVAC equip, pipes, anchors
4	1	AS	For all other costs incurred in completing the Project, including installation of materials, equipment and supplies under item No.3 (except those included in another Quotation item) and all miscellaneous costs for the Project complete, the complete, the aggregate sum of	\$1,738,570.00	\$1,738,570.00	31.99%	\$156,471.30	9%	HVAC crew, Structural crew, Electrical crew, Furnish Aggregates, Metal (aluminum/steel) fabrication and installation
9	SUBTOTAL of Bid Line Items				\$5,434,024.00		\$516,130.15		
	Total SBE							9.50%	Construction

**S-981: HVAC IMPROVEMENTS - PACKAGE "C" EFFLUENT PUMP STATION BACK UP CHILLER ADDITION, NORTH FILTER BUILDING SUBSTATION 23 AND 24, AND SOUTH FILTER BUILDING SUBSTATION 27 AND 28**

Engineer Base Estimate			\$5,434,024.00	Engineer's Estimate		SBE G&S Construction Availability \$	SBE G&S Construction Availability %	Description SBE G&S Work
Item No.	Est. Quant	Unit of Measure	Description summary	Unit Price	Extended Price			
1	1	AS	For performing preparatory work and operations for mobilizing for beginning the work of the Project, but excluding materials and permit costs, both of which are paid under other payment items, the aggregate sum of (not to exceed 10% of the subtotal of bid items)	\$230,664.00	\$230,664.00	\$11,533.20	5%	Transportation (Trucks & Drivers)
2	1	AS	For demolition, modification including the temporary A/C and electric service and all other appurtenant items and work required for a complete preparation for the Project complete, thecomplete, the aggregate sum of	\$263,597.00	\$263,597.00	\$15,815.82	6%	Loading and Hauling
3	1	AS	For selling and delivering to the Department all necessary materials, equipment and supplies, as shown on plans, except for those called out in another Quotation Item, for the new system, complete will be paid at the aggregate sum of	\$3,201,193.00	\$3,201,193.00	\$288,107.37	9%	Transportation (Trucks & Drivers)
4	1	AS	For all other costs incurred in completing the Project, including installation of materials, equipment and supplies under item No.3 (except those included in another Quotation item) and all miscellaneous costs for the Project complete, thecomplete, the aggregate sum of	\$1,738,570.00	\$1,738,570.00	\$139,085.60	8%	HVAC ductwork, metal railings, grates.
9	<b>SUBTOTAL of Bid Line Items</b>				\$5,434,024.00	\$454,541.99		
					<b>Total SBE</b>	<b>8.36%</b>	<b>Goods &amp; Services</b>	