

**DEPARTMENT INPUT**  
**CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

Check applicable Ordinance(s):  90-143 Responsible Wage and Benefits       03-237 (formerly 03-1) Community Workforce Program

**PROJECT INFORMATION**    See attachment

**Contract/Project/\*Work Order No.:** S-948

\*Reference corresponding project number when submitting a work order

**Contract/Project Title:** CD 1.10 Odor Control Scrubber Buildings S0606 and S0608 Upgrade

**Description/Scope of Work:** See Attached

**Estimated Cost:** 13855556      **Funding Source:** General funds

**Location of Project** (street address or beginning and ending points) i.e. 12345 NE 23<sup>rd</sup> Ct or Starts at 135 St. ends at 145 St.  
South District Wastewater Treatment Plant, 8950 SW 232nd St, Miami, FL 33190

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CWP)**    See attachment

Engineer/Department or Agency's estimated required workforce for Project  Work Order :

Trade/Skills Required	Est. # of workforce required per trade	Est. # of total days to complete job
N/A		
N/A		
N/A		

Comments:..

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE)**    See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
SBE-Cons	\$984,800	7.11%	
SBE-G&S	\$277,800	2.00%	
	\$	%	

**RECOMMENDATION**

**Set-Aside:** Level 1  Level 2  Level 3  Trade Set-Aside  Sub-Contractor Goal  Workforce Goal  No Measure

**Basis for Recommendation:** Due to limited availability, it has been determined that the suggested measures per the attached is appropriate for this project.

**Date submitted to DBD:** 03/23/2020

**Contact Person:** Isaac Smith

**Telephone No.:** 786-552-8989

**DEPARTMENTAL INPUT  
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

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

From: Isaac Smith, Chief  
Construction Contracts Division

Department: Miami-Dade Water and Sewer Department

Contract Title: CD 1.10 Odor Control Scrubber Buildings S0606 and S0608 Upgrade

Contract No.: S-948

Estimate Amount: \$13,855,556 [\$12,595,960 Construction + \$1,259,596 Contingency]

Funding Source: EW 660, Revenue Bonds Sold

<b>Small Business Enterprise – Construction – 7.11%</b> <b>Analysis for Recommendation (Attached)</b>
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Department Head or Authorized Agent

**DESCRIPTION OF PROJECT:**

This project is one in a series of projects that are being processed under Section 2-8.2.12 of the Code, entitled Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Accelerate Ordinance. In general, the project consists of furnishing all materials unless otherwise specified to be furnished by the Department, all labor, and equipment necessary for Odor Control Scrubber Buildings S0606 and S0608 Upgrade at the South District Wastewater Treatment Plant's Electrical Substation Nos. 9, 10, 11 and 12, located in unincorporated Miami Dade County at 8950 SW 232nd St, Miami, FL 33190.

The scope of work includes, but is not limited to, furnishing all materials, labor, and equipment necessary for Replacement of scrubber towers, sensors, ductwork, piping, gaskets, valves, brackets, hangers, recirculation pumps, scrubber fans, chemical storage tanks and feed pumps, chemical loading areas, emergency eye wash, and containment in the scrubber buildings. Replace foul air ducts from Grit Chamber Building #2 to Scrubber Building S0608 and replace and install new foul air duct from Grit Chamber Building #1 to Scrubber Building S0606. Maintain the means to utilize hypochlorite tanks at the Scrubber Buildings as a backup feed to hypo generation. Demolition of existing MCCs and control panels, replacement of electrical feeder(s) from Grit Chamber Buildings to MCCs and provide redundant feeds. Replacement of local control stations, interior and exterior lighting fixtures with LED type. Replacement of all odor control instrumentation and control, including new gas monitoring devices and fire detection alarm. Replacement of ventilation systems for scrubber buildings S0606 and 0608, including roof exhaust fans. Interior and exterior building rehabilitation including doors, windows, roofing, sump pumps, roof drains, walkway replacement, and concrete patching. Design of two new climate controlled stand-alone electrical buildings to relocate all electrical and control panels currently residing in the scrubber buildings. The electrical buildings shall be constructed at a minimum of 19 ft (NGVD 29) finished floor elevation.

**LICENSES:** The types of licenses required are: State General Contractor, General Engineering Contractor and/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code.

**COMMUNITY WORKFORCE PROGRAM**

**CWP PARTICIPATION: A 10% CWP Goal is applicable to this Project.**

**QUALIFICATIONS OF BIDDERS:**

Bidders shall submit proof that his/her firm has at least the minimum successful contract experience as requested below:

1. The Bidder shall be experienced in chemical storage and metering facilities, specifically for sodium hypochlorite applications.
2. The Bidder must have successfully completed the construction and/or rehabilitation of a minimum of three (3) chemical scrubber odor control treatment facilities within the last ten (10) years.
3. The Bidder or Bidder's Electrical Subcontractor shall have successfully completed a minimum of three (3) projects demonstrating experience with installation of electrical equipment rated for 480V power supply.

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CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

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Department: Miami-Dade Water and Sewer Department

Contract Title: CD 1.10 Odor Control Scrubber Buildings S0606 and S0608 Upgrade

Contract No.: S-948

Estimate Amount: \$13,855,556 [\$12,595,960 Construction + \$1,259,596 Contingency]

Funding Source: EW 660, Revenue Bonds Sold

<b>Small Business Enterprise – Goods &amp; Services – 2.00%</b> <b>Analysis for Recommendation (Attached)</b>
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Department Head or Authorized Agent

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This project is one in a series of projects that are being processed under Section 2-8.2.12 of the Code, entitled Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Accelerate Ordinance. In general, the project consists of furnishing all materials unless otherwise specified to be furnished by the Department, all labor, and equipment necessary for Odor Control Scrubber Buildings S0606 and S0608 Upgrade at the South District Wastewater Treatment Plant's Electrical Substation Nos. 9, 10, 11 and 12, located in unincorporated Miami Dade County at 8950 SW 232nd St, Miami, FL 33190.

**CONSIDERATIONS FOR ANALYSIS:**

1. The project predominantly involves improvements to several Odor Control Buildings at the site of an operating wastewater treatment plant.
2. This project also includes construction of two CMU facilities, and electrical building and Scrubber Building improvements.
3. The work shall be executed while the wastewater plant is in operation. The contractor's activities shall not adversely affect the operations or impact the treatment capacity of the plant.
4. The Department has evaluated the project for possible opportunities for participation in the area of SBE – Goods and Services. Based on the scope and nature of the work, we have concluded that there are multiple opportunities for participation on this project. The recommended areas of participation for SBE Goods & Services providers includes the possible areas:

Analysis for Small Business Enterprise – Goods and Services Recommendation				
Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	<b>GOODS:</b> CMU & Metal Doors Painting & Sealing Electrical Switchgear Cement Plaster Instrumentation & Controls Doors, Louvers, etc Interior lighting Exterior LED Lighting Conduits and Cables Paint	 X X X X          	    X X X X X X  	     X X  X X   
2.	<b>SERVICES</b> Electrical Instrumentation Civil Site work HVAC Demolition Painting Fire Alarm System Power Generator Fire Alarm System	X X X      X X	  X X X X X X X X	   X X X X X X X

# ANALYSIS FOR SBE PARTICIPATION

Contract No. S-948

Item No.	Description summary	Total Price	% of Construction	SBE Construction Availability (\$)	SBE Construction % of Total	Description - SBE-cons work	SBE G&S Availability (\$)	SBE G&S % of Total	Description of SBE G&S work
1	Mobilization & demobilization								
2	All other costs in furnishing materials not included in other items.								
3	All other costs in installation items furnished under Item No. 2								
4	Construction of new Electrical Buildings for Scrubber Buildings S0606 and S0608, including all structural and architectural features and components; all electrical work; Instrumentation & Control work, RTU and auxiliary panels; complete.					Site Civil demolition work for the two new scrubber building surface work, demo CMU Walls, SS Metal doors, Aluminum Shutters, Insulation, Electrical work, Lighting, Fixtures, LED, Fire Alarm System, plumbing			Asphalt/Concrete Paving, sidewalks and Landscaping Exterior Cement Plaster, Sandblast, Exterior Sealant and Paint, portable emergency generator
5	For furnishing and installing all mechanical equipment, scrubber vessels, chemical tanks, rollup doors, pumps, valves, piping and structural demolition; For demolition and disposal of existing scrubber system, HVAC and electrical conduits.					Install doors, Demo structural, Demo Existing Scrubber System, demo HVAC and Plumbing, demo Electrical			Paint/Sealing, Sandblast
6	Mechanical equipment and installation of four air ducts between S0606 and S0608 Scrubber Buildings and Plant 1 and 2 Headworks								
7	LEL detectors and Hydrogen sulfide gas detectors for Headworks building and Air scrubber building at Plant 1 and Plant 2								
8	For furnishing and installing all materials and equipment for process mechanical, electrical and instrumentation work including demolition of temporary scrubber system, conduits and wiring					Demo Temp Scrubber System and Demo Conduit w wire			
9	Subtotal	\$12,595,960.00	90.91%	SBE-Cons (\$)	SBE-Cons (%)		SBE-G&S (\$)	SBE-G&S (%)	
	Contingency (10%)	\$1,259,596.00							
	<b>SBE Total</b>	<b>\$13,855,556.00</b>		<b>\$984,800.00</b>	<b>7.11%</b>		<b>\$277,800.00</b>	<b>2.00%</b>	