

SBD - CM Review Form

To:	Project Review & Analysis - Construction	Contact:	Isaac Smith
From:	SBD CM - Eddy V. Etienne Jr.	Resubmittal:	No
Department:	Miami-Dade Water & Sewer Department		
Date:	10/3/2016		

PROJECT NUMBER:	S-891
PROJECT TITLE:	CD 2.19(2) Co-Gen Facility and 2.01(6) Electrical Improvements
PROJECT LOCATION:	3989 Rickenbacker Causeway, Miami FL 33149

SCOPE OF WORK/DESCRIPTION: This project is one in a series of projects that are being processed under Section 2-8.1.12 of the Code, entitled Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Accelerate Ordinance.

The scope of work consist of furnishing all materials, labor and equipment necessary for the construction of Consent Decree Project 2.19(2), Co-Gen Facility, and Project 2.01(6) Electrical Improvements at the Central District Wastewater Treatment Plant (CDWWTP), located in Virginia Key, 3989 Rickenbacker Causeway, Section16, Township 54, Range 42, Miami-Dade County, Florida 33149. The purpose of this project is to install a Biological Hydrogen Sulfide (H2S) Biogas Treatment System that will reduce the concentration of H2S in the biogas produced by the digesters during treatment of sanitary sewer at the plant.

The project consists of installing a new Biological H2S Biogas Treatment System including five bioreactor vessels and equipment containers, a new Co-Gen Switchgear Building that will replace the existing electrical rooms in the Co-Gen Building and substations No. 17 and 18, a new Biogas Treatment Electrical Building, installation of biogas piping from the Plant 1 digesters to the Biological H2S Treatment System and from the Biological H2S Treatment System to the co-generation engines in the Co-Gen Building, and replacement of eight rotary sliding vane compressor systems.

SPECIAL REQUIREMENTS: Bidders shall demonstrate relevant minimum experience by submitting proof with their bid contract experience as required below:

- a. Bidder must be experienced in wastewater treatment facility construction, including installation of process equipment, biogas piping and gas handling equipment, HVAC equipment, medium and low voltage electrical power systems, and instrumentation and controls including connections into an existing SCADA. The bidder shall be experienced in performing work while maintaining operations of a wastewater facility.
- b. The Bidder must have successfully completed the construction and/or rehabilitation of a minimum of three (3) project including biogas piping and gas handling equipment within the last ten (10) years, which must have had a minimum construction cost of \$5 million dollars.
- c. 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 medium and low voltage power supply (i.e. min. 480V).

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.

TRADES/SUBTRADES	AMOUNT	PERCENTAGE	COMMENTS
			Prime
General Conditions	\$966,000.00	3.16%	

Initial: EE

Date: 10-3-16

TRADES/SUBTRADES	AMOUNT	PERCENTAGE	COMMENTS
Co-Gen Switchgear Bldg (a)	\$10,433,000.00	34.09%	Must meet Special Requirements. *Possible opportunities for Small Businesses
Biogas Treatment Electrical Building (a)	\$1,240,200.00	4.05%	
Biological H2s Treatment System (a)	\$9,517,200.00	31.10%	
New Biogas / Sludge Gas Piping & Controls (a)	\$1,795,900.00	5.87%	
Rotary Vane Compressor - Co-Gen Bldg	\$1,250,100.00	4.08%	
Rotary Vane Compressor - Plant 2 Compressor Buildi	\$1,397,000.00	4.56%	
Subcontractor			
Sitework	\$249,200.00	0.81%	*Possible opportunities for Small Businesses
Co-Gen Switchgear Bldg (b)	\$598,000.00	1.95%	
Biogas Treatment Electrical Building (b)	\$118,500.00	0.39%	
Biological H2s Treatment System (b)	\$204,800.00	0.67%	
New Biogas / Sludge Gas Piping & Controls (b)	\$51,100.00	0.17%	
BASE TOTAL			
	\$27,821,000.00	90.91%	
Contingency Allowance (10% of Base Estimate)	\$2,782,100.00	9.09%	
TOTAL AMOUNT			
	\$30,603,100.00	100.00%	

Small Business Development Signature:

Date:

10-3-16

*Trades/Sub-Trades identified for possible subcontracting opportunities by SBD CM

WASD is recommending 4.00% SBE/Cons Goal

Initial:

EE

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Date:

10-3-16