

**DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

Date: June 2, 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: New Regional Fats, Oils, and Grease (FOG) Facility at the South District Wastewater Treatment Plant

Contract No.: S-961

Estimate \$32,055,913 (Construction \$27,925,587 + Allowances & Contingency \$4,130,326)

Funding Source: S049747

Small Business Enterprises -Construction 5.05%



Department Head or Authorized Agent

DESCRIPTION OF PROJECT:

In general, this project consists of furnishing all materials (unless otherwise specified to be furnished by the Department), all labor, and equipment necessary to construct a new Regional Fats, Oils, and Grease (FOG Facility at the South District Wastewater Treatment Plant (SDWWTP), located in unincorporated Miami Dade County at 23300 SW 88th Avenue, Miami, FL 33190.

The work includes, but is not limited to: expanding and raising the finish elevation of the site for the facility; modifying the access roads as shown for the new facility; construction of four truck unloading FOG bays with screening equipment; construction of a pre-cast concrete FOG building including a heat exchanger room with 5 gas heat exchangers, HVAC, and appurtenances, an electrical room including MCCs, switchgear and related appurtenances, and an operator room with office containing SCADA and equipment for operating the facility; hot water system for cleaning screens and flushing of FOG force mains; seven 25,000-gallon insulated stainless steel FOG storage tanks with individual mixing systems; two 2,000-foot 3-inch insulated glass lined DIP force mains with appurtenances; demolition of electrical gear in electrical substation 31A/32A; replacement of transformers and electrical gear in electrical substation 31A/32A and all related appurtenances including HVAC; electrical and site electrical; instrumentation and control; extension of the plant portable water system; and connection to the WWTP in-plant sewer system and stormwater system.

LICENSES REQUIRED:

One of the following licenses is required: State General Contractor, General Engineering Contractor and/or other categories as applicable by Chapter 489 of the Florida Statutes r County Code Chapter 10.

MINIMUM EXPERIENCE REQUIRED:

Demonstrate qualifications for experience by submitting three (3) projects completed by Bidder, each project shall meet the experience requirements as follows:

- i. Experience with construction of water and wastewater treatment facilities in the past 10 years involving treatment process construction including modifications or new construction.
- ii. Experience with electrical power distribution improvements:
 - Electrical sub-contractor must have completed a minimum of three (3) projects demonstrating

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experience in procuring, installing, and commissioning arc flash resistant medium voltage switchgear and unit substation transformers within the past ten (10) years.

- Electrical sub-contractor must have completed a minimum of three (3) projects demonstrating experience in procuring, installing, and commissioning arc-flash resistant low voltage switchgear, arc flash resistant low voltage motor control centers, low voltage motors and variable frequency drives within the past ten (10) years.

- Bidder / general contractor may fulfill these requirements with one or two electrical sub-contractors.

iii. Experience with integration of controls into an existing System Control and Data Acquisition System (SCADA).

iv. Contract value for each project submitted to be in excess of US\$15 million.

v. Preferred experience:

- Bidder to demonstrate experience with construction of FOG Facilities / FOG handling equipment installation in the USA.

BASIS OF RECOMMENDATION: Attached

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Small Business Enterprise – Goods & Services – 1% Analysis for Recommendation (Attached)



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CONSIDERATIONS FOR ANALYSIS:

FOG facilities are specialized facilities, this is not simple construction work.

BASIS OF RECOMMENDATION: Attached