

**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-877

\*Reference corresponding project number when submitting a work order

**Contract/Project Title:** North District Wastewater Treatment Plant New Pumps For Existing Deep Injection Well Pumping Station

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

**Estimated Cost:** 12510000      **Funding Source:** Other (specify)

**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.  
2575 NE 156 Street, N. Miami Beach, FL

**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:Not Applicable, Project is not in a DTA.

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

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
0	\$	0%	
0	\$	0%	
0	\$	0%	

**RECOMMENDATION**

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

**Basis for Recommendation:** Availability among CSBE subcontractors.

**Date submitted to DBD:** 05/02/2016

**Contact Person:** Isaac Smith

**Telephone No.:** 786-552-8255

**DEPARTMENTAL INPUT  
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

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

From: Isaac Smith, Manager  
Construction Contracts Section

Department: Miami-Dade Water and Sewer Department

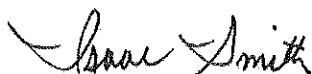
Contract Title: NORTH DISTRICT WASTEWATER TREATMENT PLANT NEW PUMPS  
FOR EXISTING DEEP INJECTION WELL PUMPING STATION

Contract No.: S-877

Estimate Amount: \$12,510,000.00 [\$11,373,000.00 Construction + \$1,137,300.00 Contingency]

Funding Source: EW 621, Renewal and Replacement Fund

**Small Business Enterprise – Goods & Services – No Measure  
Analysis for Recommendation (Attached)**



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 Acceleration Ordinance.

The North District Wastewater Treatment Plant (NDWWTP) provides secondary treatment and tertiary treatment of municipal wastewater for a service area that includes the Northern Portions of Miami-Dade County. Treated effluent is conveyed to the on-site Deep Injection Well Pump Station and pumped into adjacent deep injection wells. This project consists of furnishing all materials, labor, and equipment necessary for upgrades to the existing Deep Injection Well Pumping Station at the North District Wastewater Treatment Plant (NDWWTP), located at 2575 NE 156 Street, N. Miami Beach, FL.

The Department has evaluated the project for possible opportunities for participation in the area of SBE-Goods and Services. Due to a vast majority of the project involving furnishing and installing six (6) very large vertical turbine pumps and high voltage motors, there are limited opportunities for SBE- goods vendors and service providers. Since these very expensive and highly specialized equipment, will be installed in an existing facility, the only possible areas of subcontracting are in the area of Electrical, Instrumentation and Systems Integration. Our recommendation is No Measure for SBE-Goods & Services for this project.

Analysis for Small Business Enterprise – Goods and Services Recommendation				
Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	<b>GOODS:</b> Mechanical Equipment Electrical Motors & Appurtenances Instrumentation & Controls	X X X		
2.	<b>SERVICES</b> Structural Electrical Instrumentation Testing & Compaction Milling and Paving Earthwork	X	X X X X X	

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CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

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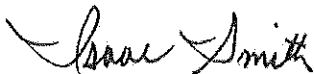
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Estimate Amount: \$12,510,000.00 [\$11,373,000.00 Construction + \$1,137,300.00 Contingency]

Funding Source: EW 621, Renewal and Replacement Fund

**Small Business Enterprise – Construction – 1.36%**  
**Analysis for Recommendation (Attached)**



Department Head or Authorized Agent

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The scope of work includes, but is not limited to, removal and demolition of four (4) existing vertical turbine pumps and 900 horsepower motors, along with associated discharge piping and valving; installation of six (6) new vertical turbine pumps and 1,250 horsepower 4160 volt motors in existing, vacant pump bays; connection of six (6) new 1,250 horsepower 4160 volt motors to existing variable frequency drives; installation of six (6) new flow control valves and electro-hydraulic actuators on Injection Well Pumps 1 through 6; installation of four (4) flow control valves and electric actuators on Injection Wells 1 through 4; instrumentation; electrical work; mechanical work; providing system integration and other appurtenant and miscellaneous items and work for a complete and fully functional installation.

**LICENSES:** The types of licenses required are: General Engineering, General Building 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: Not Applicable, project is not located in a DTA.**

Analysis for SBE - Construction					
Recommendation - 1.36 % SBE Construction					
Item	Description	Estimated Cost	% of Item to SBE Total	SBE Constr % per Item	SBE Constr Dollars
A)	Mobilization and demobilization	\$ 135,000.00	1.08%		
B)	Furnish and installing two (2) 15,000 gallong surge tank systems	\$ 72,000.00	0.58%		
C)	Removal of existing Vertical Turbine Pump Nos. 1 - 4 and appurtenances	\$ 36,000.00	0.29%		
D)	Furnish and install six (6) vertical turbine pumps and motors, controls and	\$ 10,300,000.00	82.33%		
E)	Piping demolition and installation of electric actuated ball valves	\$ 730,000.00	5.84%	1.36%	\$ 170,140.00
F)	Instrumentation and control equipment for a complete system	\$ 50,000.00	0.40%		
G)	Systems Integration, programming and miscellaneous supplies	\$ 50,000.00	0.40%		
<b>Subtotal</b>		<b>\$ 11,373,000.00</b>		<b>SBE-Value</b>	<b>\$ 170,140.00</b>
10% Allowance Account		\$ 1,137,300.00	9.09%	<b>SBE-Contr</b>	<b>1.36%</b>
<b>SBE - Total</b>		<b>\$ 12,510,300.00</b>	100.00%		