

SBD - CM REVIEW FORM

To: Business Opportunity Support Division - A/E From: SBD CM - Vivian Forhat-Diaz Department: Water and Sewer Department Date: 04/02/14	Contact: Patty David RESUMITTAL: No
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PROJECT NUMBER:	E14-WASD-01
PROJECT TITLE:	Professional Engineering & Geological Services, Water, Wastewater & Reclaimed Water Planning Serv.
PROJECT LOCATION:	Various Locations

SCOPE OF WORK/DESCRIPTION: Provide professional engineering and geological services in the areas of water, wastewater and reclaimed water for the WASD Planning Division. Services are anticipated to include, but are not be limited to, development of water and wastewater flow projections; hydraulic modeling of the water transmission/distribution and wastewater collection/transmission system including model updates with new facilities, flow projections, calibration and the development and analysis of alternatives for proposed piping/pump station facilities necessary for future conditions including the review of present operations and identification of facilities for improvements, including energy reductions; establishment of water quality objectives for the distribution system; reclaimed water master planning; preparation of master plan documents; master plan financial analysis, assisting WASD staff in responding to regulatory agency Request for Information; preparation of Basis of Design Reports for facilities identified in master plans and other WASD projects; conducting evaluations to ensure that adequate capacity exists for new development projects and the determination of design conditions for new facilities; assistance in interfacing with the developer community regarding areas with high development activity; operational studies; hydrogeological evaluations including groundwater and the identification of future water supplies; supervision and geological evaluations of drilling water supply production, monitoring, reclaimed water and deep injection wells; water quality sampling and analysis; treatment process identification and evaluation as it relates to master planning and process optimization; cost estimating including life cycle costs (operation, maintenance, replacement) and scheduling; assistance in the implementation and managing of WASD Water Supply Certification program including calculating and tracking the required water for development activities to ensure that adequate water is available and that the total system allocation in WASD twenty (20) year permit is not exceeded; assistance in the management of Planning functions which are part of WASD Project Control and Tracking System using Proliance software, and assistance with Comprehensive Planning reviews for Comprehensive Development Master Plan, Development Impact Committees, Water Supply Plans, Florida Department of Transportation and Comprehensive Plan Amendments; and assistance in updating flows in Chapter 24 of the Miami-Dade County Code

SPECIAL REQUIREMENTS: **Prime Consultant** must demonstrate completion of at least two (2) water and two (2) wastewater master plans for utilities with total projected average flow of over ten (10) million gallons per day (mgd) and must demonstrate completion of the development of a reclaimed water system master plans of over two-hundred fifty thousand (250,000) gpd in the last ten (10) years from the date of this solicitation. **Prime Consultant** is requested to demonstrate experience with Innovyse Infoworks CS wastewater hydraulic modeling software (minimum of fifty (50) pump stations, one thousand (1,000) pressure links, and three thousand (3,000) gravity links) and Innovyse Infowater software fifty thousand (50,000 links minimum). Experience is defined for hydraulic models described as original model construction, model calibration and/or operation of model for the analysis of networks associated master plans for at least two (2) water and two (2) wastewater models of the sizes indicated. **Prime and/or Subconsultant** is requested to demonstrate experience with groundwater numerical modeling including MODFLOW and pre-and post-MODFLOW processors; experience with supervision and geological evaluations of drilling water supply production wells, monitoring wells, and deep injection wells; water quality sampling and analysis

CATEGORIES	PERCENTAGE	COMMENTS
PRIME		
6.01 Water & Sanitary Sewer System – Water Distribution & Sanitary Sewage Collection & transmission System (PRIME)	30%	Must meet special requirements; *Possible Small Business Participation

Small Business Development Signature: *Vivian Forhat-Diaz* Date: 04/04/14

*Categories identified for Small Business participation by SBD CM
WASD is recommending 25% for CBE participation

PROJECT NUMBER: E14-WASD-01 (Continuation)

CATEGORIES	PERCENTAGE	COMMENTS
PRIME		
6.02 Water & Sanitary Sewer System – Major Water & Sanitary Sewage Pumping Facilities (PRIME)	25%	Must meet special requirements; *Possible Small Business Participation
6.03 Water & Sanitary Sewer System – Water & Sanitary Sewage Treatment Facilities (PRIME)	20%	
Sub-Consultant		
10.02 Environmental Engineering – Geology Services	15%	*Possible Small Business Participation
10.09 Environmental Engineering – Wellfield, Groundwater & Surface Water Protection & Management	10%	
	100%	
Total Estimated Professional Fees	\$5,000,000.00	

WASD is recommending 25% for CBE participation