

DEPARTMENTAL INPUT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Rev 1

<input checked="" type="checkbox"/>	<u>New contract</u>	<input type="checkbox"/>	<u>OTR</u>	<input type="checkbox"/>	<u>CO</u>	<input type="checkbox"/>	<u>SS</u>	<input checked="" type="checkbox"/>	<u>BW</u>	<input type="checkbox"/>	<u>Emergency</u>	Previous Contract/Project No. EPP-RFP701
<input type="checkbox"/>	<u>Re-Bid</u>	<input type="checkbox"/>	<u>Other (Government Access)</u>	LIVING WAGE APPLIES: __YES __x_NO								

Requisition/Project No: RQWS1000006

TERM OF CONTRACT: 18 months

Requisition/Project Title:- WASD Hydraulic Water and Wastewater Modeling Software

Description: The purpose of this request is to procure maintenance and support for the County's Hydraulic Water Software

User Department(s): WASD

Issuing Department: WASD Contact Person: George Par Phone: 305-596-8690

Estimated Cost: \$207,303.00 Funding Source: Proprietary REVENUE GENERATING: No

ANALYSIS

Commodity/Service No: <u>920-45</u>		SIC:	
Trade/Commodity/Service Opportunities			
Contract/Project History of Previous Purchases For Previous Three (3) Years Check Here if this is a New Contract/Purchase with no Previous History			
OTR 1		OTR 2	
Contractor:	Innovyze, Inc.	Innovyze, Inc.	Innovyze, Inc.
Small Business Enterprise:	n/a	n/a	n/a
Contract Value:	\$123,996	\$125,850	\$228,802
Comments:			
Continued on another page (s): <u> </u> Yes <u> </u> No			

RECOMMENDATIONS

SBE	Set-Aside	Sub-Contractor Goal	Bid Preference	Selection Factor
		%		
		%		
		%		
		%		

Basis of Recommendation:

Signed: Tiandra Wright

Date to SBD: 9/6/2018

Date Returned to PM: _____

Scope

Title: Hydraulic Water and Wastewater Modeling Software Solution

Purchase of a hydraulics computer modeling software is needed for the maintenance of the existing Miami Dade water and wastewater system models. These models are utilized in a daily basis for the evaluation of water and wastewater capacities of the distribution, transmission, and collection systems, new developer connections, system improvements and master planning alternative analyses to meet projected growth in the County. Continued community growth through new commercial and residential building construction is dependent upon water and sewer capacity, which is determined by these models.

In alignment with MD-WASD Strategic and Business Plan, Priority Initiatives, the water and wastewater hydraulic models are used to ensure compliance with the Consent Decree, and the Integrated Water and Wastewater Master Plan to address system needs for future growth.

In addition, the wastewater hydraulic model is used in the development and implementation of MD-WASD's Multi-Year Capital Improvement Plan, assisting in programs such as Consent Decree, Ocean Outfall Legislation (OOL), Pump Station Improvement Program (PSIP), and Capacity Management Operation and Maintenance (CMOM) programs, to optimize transmission capacity and to evaluate the impact of Infiltration and Inflow rehabilitation projects, proposed modifications, upgrades and expansions to the Wastewater Collection and Transmission System (WCTS), and performance of the WCTS. Miami-Dade must continue to use and maintain the WCTS model as an enforceable obligation under the Consent Decree.

MD-WASD requires software capable of quickly computing an enormous amount of data, including over 1,060 wastewater pump stations, thousands of manholes, over 6,200 miles of combined gravity and force main sewer lines, and over 7,700 miles of water mains. Innovyze, Inc. software products and services are the current platform on which the County's water and wastewater system models were developed. The software complies with the technical aspects needed to efficiently model the Miami-Dade water and wastewater systems, which are considered one of the most complex and extensive in size, regarded as the largest water and sewer utilities in the southeastern United States.