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**MIAMI-DADE COUNTY, FLORIDA  
NOTICE TO PROFESSIONAL CONSULTANTS  
MIAMI DADE WATER AND SEWER DEPARTMENT  
OWNER'S REPRESENTATIVE FOR  
OCEAN OUTFALL LEGISLATION RELATED  
TO THE WASTEWATER SYSTEM  
PROJECT NO. E13-WASD-11**

The County Mayor, Miami-Dade County, pursuant to Chapter 287.055, Florida Statutes, Sections 2-8.1 and 2-10.4 of the Miami-Dade County Code, Implementing Order 3-34, and Administrative Order 3-39, announces that the Miami-Dade Water and Sewer Department (WASD) will require professional engineering services from one (1) qualified consultant to provide Ocean Outfall Legislation (OOL) to the wastewater system.

The State of Florida's Ocean Outfall Legislation (OOL) requires diverting all flows from the outfalls by 2025, primarily impacting the Central and North District Plants resulting in reduced plant capacity and the addition of High Level Disinfection (HLD), filtration and disinfection to all of the North and Central District non-peak flows. In addition, the legislation requires reuse of 60% of these flows resulting in the need to construct a new plant to be located in the central-western area of the County; as well as all other related alterations to the transmission and collection systems.

The WASD OOL Compliance Plan fully describes the recommended \$3.32 billion implementation plan. However, key mandates required at minimum are the following:

- By July 1, 2013, submit implementation plan to Florida Department of Environmental Protection (FDEP). WASD submitted the plan on June 28, 2013, (which can be accessed online at [www.miamidade.gov/water](http://www.miamidade.gov/water) under the tab for "Ocean Outfall Legislation Plan");
- Meet Advance Wastewater Treatment (AWT) by Dec 31, 2018, or Reduce cumulative outfall loadings (from 2008-2025) equivalent to AWT from 2018-2025;
- By December 31, 2025, stop outfall usage (except for wet weather peak flow usage up to 5% of baseline flow) and implement 60% reuse;
- Considers credit for reuse at other facilities such as the WASD/Florida Power Light 90 million gallons per day (MGD) reuse project, and;
- By July 1, 2016, submit update of plan documenting any refinements in costs, actions and financing.

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The scope of services to be provided by the Consultant in this contract include, but are not limited to all of the following:

- Validate the capital program for the Wastewater Treatment Plants (WWTP) and Wastewater Collection and Transmission System (WCTS) improvements to cost-effectively fulfill the requirements of the Ocean Outfall Statute and to meet future system demands forecast to the year 2035;
- Outline, identify and/or develop preliminary policies, procedures, and practices that establish the means and methods to meet the requirements of the OOL Program;
- Identify potential risks that may have an impact on the implementation of the Capital Program and provide a mitigation plan;
- Advise and provide, strategic and day-to-day oversight and direction to the Ocean Outfall Program;
- Prepare and maintain, together with WASD's staff, a Program Management Plan for use by the Program Team. This includes establishing communication protocols, design and process standards;
- Coordinate and assist WASD with Wastewater Facilities Master Planning as required to ensure comprehensive and long-term viability of the OOL Capital Improvements with other concurrent legislations (i.e.; Environmental Protection Agency Consent Decree (CD) and South Florida Water Management Department Water Use Permit requirements) and other Master Planning efforts;
- Establish standards and guidelines for cost-estimating. The Consultant shall work with WASD staff to ensure that all project cost estimates meet the cost estimating standards, including those in planning, preliminary engineering, and detail design. The Consultant shall review cost estimates generated for consistency with the standards and guidelines and to ensure that cost estimates performed at various stages in the design process adequately and appropriately incorporate factors to account for project risk elements;
- Develop and manage the program master schedule and task schedules, including phasing appropriate to meet statutory requirements and future demand projections, and provide budget and cost oversight of all program elements and resources;
- Develop monthly progress reports that include accomplishments during the most recent reporting period, upcoming activities for the next reporting period, tracking of issues and action items identified, other related information, and contract status. Monthly reports shall be reviewed as part of monthly status meetings with the WASD Program Team. These reports may be used to prepare reports submitted to FDEP as part of the OOL requirements;

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- Work with WASD to establish and implement both a physical and an electronic central OOL Program document library. All documents associated with the OOL Program, including reports, meeting agendas and minutes, transmittals, design drawings and specifications, technical memorandums, schedules, e-mails etc., shall be managed and organized in said library. The Consultant may be requested to provide assistance to WASD in the development and management of a public website that contains information related to the execution of the OOL Program. The Consultant shall develop templates for documents and reports to ensure consistency throughout the CD Program;
- Support WASD with water and sewer infrastructure public outreach of the OOL Program which may include responding to inquiries and complaints;
- Participate in update meetings with regulatory agencies and develop required materials for each meeting;
- Support WASD in analyzing and preparing possible recommendations for modifications to the reuse provisions of the Outfall Statute as included in the reporting requirements of said Statute;
- Assist WASD in the preparation of all reports that are required by the OOL Program to be submitted to FDEP or any other regulatory authority;
- Perform value engineering. This includes establishing when value engineering shall occur, the format and schedule for value engineering efforts, and establishing a standard value engineering report format and templates;
- Provide assistance to WASD, as-needed, with permits, regulatory and environmental review. The Consultant shall review permit and environmental work to ensure consistency with the overall OOL Program;
- Assist WASD in the review of design documents including constructability reviews and assist WASD and/or design consultant(s) with bid phase services as needed;
- Oversee and support the design and construction administration phases of the capital program as needed and as required by WASD;
- Provide construction managers, construction coordinators, construction engineers, start-up specialists, inspectors, safety officers and administrative personnel for the successful execution of the OOL Program and associated WWTP WCTS capital program;
- Perform daily inspections, prepare daily logs, detailed review of contractor's updated and revised schedules, prepare recommendations for approval, review schedule of values, contract interpretations and clarifications, process and authorize progress payments including allowance account and change orders, review operation

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and maintenance manuals, respond to requests for information;

- Aid in the integration of consultant staff with WASD staff;
- Provide financial and economic review and oversight during the course of the program;
- Consider facility impacts due to sea-level rise and other potential climate change impacts;
- Evaluate and reconcile scope and other technical aspects and or conflicts with the CD requirements;
- Prepare Basis of Design Reports (BODRs) as directed by WASD for specific projects as required by the program;
- Advise WASD and recommend the best construction delivery method for the various projects identified on the OOL; including alternative delivery methods (e.g. Design-Build, CMAR, Progressive Design-Build, P3s, etc.);
- Assist WASD in achieving LEED Certification as mandated by the County for sustainable development for all of the qualifying projects to be executed under this program.

WASD intends to retain one (1) qualified Consultant under a Non-exclusive Professional Services Agreement (PSA) with a six (6) year term with one (1) six (6) year option-to-renew at the County's sole discretion will be awarded under this solicitation. The total estimated amount of compensation is for the full twelve (12) year term duration is one hundred and forty million dollars (\$140,000,000.00). No minimum amount of work or compensation will be assured to the retained Consultant. The County reserves the right to re-use the work products of the retained consultant and to retain other consultants to provide the same or similar services at its sole discretion.

The firms providing these services must be certified in the following technical categories and the respective percentages of the disciplines as indicated below:

**A/E TECHNICAL CERTIFICATION REQUIREMENTS**

**Prime**

- 6.01 Water Distribution and Sanitary Sewage Collection and Transmission Systems
- 6.02 Major Water and Sanitary Sewage Pumping Facilities
- 6.03 Water and Sanitary Sewage Treatment Plants
- 17.00 Engineering Construction Management

**Prime and/or Sub-consultants**

- 9.01 Drilling, Subsurface Investigations and Seismographic Services
- 9.02 Geotechnical and Materials Engineering Services

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- 9.04 Non-Destructive Testing and Inspections
- 10.05 Contamination Assessment and Monitoring
- 11.00 General Structural Engineering
- 12.00 General Mechanical Engineering
- 13.00 General Electrical Engineering
- 15.01 Land Surveying
- 16.00 General Civil Engineering
- 19.06 Water & Sanitary Systems (under Value Analysis)

**BREAKDOWN LIST**

Technical Categories	Description	Percent	CBE %
<b>6.01 Prime</b>	<b>Water and Sanitary Sewer Systems</b>	<b>10</b>	<b>1</b>
<b>6.02 Prime</b>	<b>Major Water Sanitary &amp; Sanitary Sewage Pumping Facilities</b>	<b>10</b>	<b>1</b>
<b>6.03 Prime</b>	<b>Water and Sanitary Sewage Treatment Plants</b>	<b>24</b>	<b>2</b>
<b>17.00 Prime</b>	<b>Engineering Construction Management</b>	<b>5</b>	<b>2</b>
9.01	Drilling, Subsurface Investigations and Seismographic Services	1	1
9.02	Geotechnical and Materials Engineering Services	1	1
9.04	Non-Destructive Testing and Inspections	1	1
10.05	Contamination Assessment and Monitoring	1	1
11.00	General Structural Engineering	14	3
12.00	General Mechanical Engineering	14	3
13.00	General Electrical Engineering	12	2
15.01	Land Surveying	1	1
16.00	General Civil Engineering	5	1
19.06	Value Analysis and Life-Cycle Costing - Water & Sanitary Systems	1	1
	<b>TOTAL</b>	<b>100%</b>	<b>21%</b>