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Memorandum



Date: May 4, 2012

To: Jack Osterholt, Deputy Mayor and Director
Sustainability, Planning, and Economic Development Department

From: Kathleen Woods-Richardson, Director *Kathleen Woods Richardson*
Public Works and Waste Management Department

Subject: Project # E11-PWWM-01 for Professional Bond Engineering Services

RECOMMENDATION

The Miami-Dade County Public Works and Waste Management Department (PWWM) has evaluated Project #E11-PWW-01 for Professional Bond Engineering Services and is recommending a 16% measure. This project has an estimated total value of \$5,655,600, including a contingency of \$315,600; it is a three-year contract, with one, two-year option-to-renew.

Attached, please find additional documentation regarding the aforementioned project. PWWM has been in communication with the Sustainability, Planning, and Economic Department (SPEE) staff regarding this project. We are requesting that SPEE review the attached information and confirm that the 16% measure being recommended by PWWM is appropriate.

BACKGROUND

PWWM is seeking professional bond engineering services from a qualified consultant to fulfill and perform the duties of bond consultant as set forth in Bond Ordinance No. 96-168 (Bond Ordinance), Sections 208, 503, 605, 607, 612, 619, and the Comprehensive Landfill Closure Plan. The services of a bond engineer (Engineer) are required as part of each bond agreement and associated financing documents. The Engineer is required to act on behalf of the bond holders to execute a scope of services which consists of, but is not limited to, the following:

- Review of PWWM's financial transactions, engineering decisions, and future plans.
- Annual inspection of PWWM's facilities and financial records, pursuant Sections 208, 503, 605, 607, 612, 619 of the Bond Ordinance, and the Comprehensive Landfill Closure Plan.
- Preparation and submittal of annual reports to the Department regarding the Resources Recovery Facility and other Systems facilities. Said reports shall evaluate the following: systems and facilities' physical conditions, operating efficiency, and rates and charges.

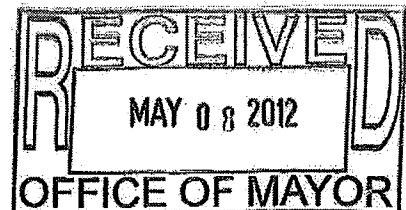
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- Recommendations for advisable revisions or modifications and determination of the amount that shall be deposited monthly to credit the Department's Renewal and Replacement Fund, during the following fiscal year, and pursuant to Section 508 of the Bond Ordinance.
- Generate recommendations, approvals, and/or certifications as required in the Bond Ordinance, the Operations and Management Agreement by and between Miami-Dade County and Covanta Dade Renewable Energy, Ltd., and the Comprehensive Landfill Closure Plan
- Review disbursement of landfill closure grants and draw requests in accordance with Miami-Dade County Code, Section 24-34
- Perform all services required by the Bond Ordinance and the Covanta Agreement, whether or not specifically listed herein
- Perform with any supportive ancillary tasks to the primary scope of services.

Thank you for your attention to this matter. Should you need additional information, please contact Olga Espinosa-Anderson at 305 514-6730.

Attachment

c: Paul Mauriello, Assistant Director, Waste Operations, PWWM
Christopher Rose, Assistant Director, Administration, PWWM
Asok Ganguli, Technical Services Assistant Director, PWWM
Aneisha Daniel, Administration Assistant Director, PWWM
Olga Espinosa-Anderson, Division Director, Procurement and Contracts Mgmt, PWWM
Ileana Quintana, Construction Manager, SPEE
Kelly Duncombe, Contract Development Specialist, SPEE
File



**PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT
PROFESSIONAL BOND ENGINEERING SERVICES
PROJECT NO. E11-PWWM-01**

PROJECT SCOPE OF SERVICES

The Miami-Dade County Public Works and Waste Management Department (PWWM) will require professional bond engineering services from a qualified consultant to fulfill and perform the duties of bond engineer as set forth in Bond Ordinance No. 96-168 (Bond Ordinance), Sections 208, 503, 605, 607, 612, 619, and the Comprehensive Landfill Closure Plan. The services of a bond engineer (Engineer) are required as part of each bond agreement and associated financing documents. The Engineer is required to act on behalf of the bond holders to execute a scope of services which consists of, but is not limited to, the following:

- Review of PWWM's financial transactions, engineering decisions, and future plans.
- Annual inspection of PWWM's facilities and financial records, pursuant to Sections 208, 503, 605, 607, 612, 619 of the Bond Ordinance, and the Comprehensive Landfill Closure Plan.
- Preparation and submittal of annual reports to the Department regarding the Resources Recovery Facility and other of the Department's waste facilities. Said reports shall evaluate the following: systems and facilities' physical conditions, operating efficiency, and rates and charges.
- Recommendations for advisable revisions or modifications and determination of the amount that shall be deposited monthly to credit the Department's Renewal and Replacement Fund, during the following fiscal year, and pursuant to Section 508 of the Bond Ordinance.
- Generate recommendations, approvals, and/or certifications as required in the Bond Ordinance, the Operations and Management Agreement by and between Miami-Dade County and Covanta Dade Renewable Energy, Ltd., and the Comprehensive Landfill Closure Plan.
- Review disbursement of landfill closure grants and draw requests in accordance with Miami-Dade County Code, Section 24-34.
- Perform all services required by the Bond Ordinance and the Covanta Agreement, whether or not specifically listed herein.
- Perform any supportive ancillary task to the primary scope of services.

PROFESSIONAL REQUIREMENTS

The prime consultant shall have the following expertise:

- A minimum of three years of engineering experience in the field of municipal solid waste management, including waste-to-energy, within the last five (5) years from the date of the solicitation.
- A minimum of three years of experience performing bond engineering services for comparable (incinerating in excess of 200,000 tons of waste per year) sized solid waste facilities within the last five (5) years from the date of the solicitation.
- This expertise must be met by a qualified individual(s) of the prime consultant's firm. Expertise with value engineering, technical certification category 19.07 may be met by a qualified individual(s) of the prime consultant's sub-consultant. The experience must be demonstrated by direct or substantial involvement of the individual(s) in a supervisory capacity at the project manager level or above.

TECHNICAL CERTIFICATION REQUIREMENTS

Certification	Percentage	Monetary Value
Prime: 7.00 - Solid Waste Collection and Disposal Systems	81%	\$4,581,036
Other: 19.07 - Value Analysis and Life-Cycle Costing - Solid Waste Collection and Disposal Systems	19%	\$1,074,564

BOND ENGINEER RESTRICTIONS

Throughout the duration of the Professional Bond Engineering Services Contract, the Engineer shall be prohibited from participating in any other Miami-Dade County Public Works and Waste Management Department projects directly related to waste management services including, but not limited to, the Cell 4 Closure at the South Dade Landfill and the Cell 19 Closure at the Resources Recovery Facility. The Engineer, however, may participate in any Miami-Dade County Public Works and Waste Management Department projects directly related to public works services, but will be required to obtain an opinion from the Ethics Commission prior to such participation to ensure that a Conflict of Interest does not exist.