Memorandum

MIAMI-DADE COUNTY

Date: May 17, 2011

To: Honorable Chairman Joe A. Martinez
and Members, Board of County Commissioners

Agenda Item No. 8(R)(1)(A)

From: Alina T. Hudak
County Manager

Subject: Request to Reject all Bids for Design-Build Services for On-Site Chlorine Generation and Emergency Generator Systems at the John E. Preston/Hialeah and Alexander Orr Water Treatment Plants - Project No: UP10-WASD-01; Contract No: UP10-WASD-01

Recommendation

This request to Reject all Bids for Design-build services for On-Site Chlorine Generation and Emergency Generator Systems at the John E. Preston/Hialeah and Alexander Orr Water Treatment Plants has been prepared by Miami-Dade Water and Sewer Department (WASD) and is recommended for approval pursuant to Miami-Dade County Ordinance No. 08-79. This rejection is recommended due to the price proposal exceeding the estimated advertised cost. The original project cost in the unsolicited proposal was $59,550,000, and the bid price was for $61,647,000. Section 2-.8.1 (K)(10) of the Code of Miami-Dade County states that "The proposer shall be authorized to respond to the competitive solicitation and offer to the County a proposal in terms not less favorable to the County than the original proposal."

Scope

PROJECT NAME: Design-build services for an On-Site Chlorine Generation and Emergency Generator Systems at the John E. Preston/Hialeah and Alexander Orr Water Treatment Plants

PROJECT NO: UP10-WASD-01

CONTRACT NO: UP10-WASD-01

PROJECT DESCRIPTION: Design, construct and install two (2) On-Site Chlorine Generation (OSG) and Emergency Generator Systems that meet the disinfection criteria at Alexander Orr Jr. Water Treatment Plant and John E. Preston/Hialeah Water Treatment Plants. The systems are designed to operate 24 hours per day, 365 days per year and at full capacity of producing up to 25,000 pounds of chlorine equivalent per day.

Scope of services and any supportive tasks ancillary to the primary scope of services will include but are not limited to the following:

Design services are anticipated to include, but are not limited to the following: preparation of final construction documents, design plans, calculations, specifications, and all required permits and fees.

Construction related services are anticipated to include, but are not limited to the construction of two (2) OSG and Emergency Generator

Systems to be located at the water treatment plants that includes the installation of two 25,000 pounds per day OSG systems, brine pretreatment and storage facility, emergency generators, site development and yard piping, OSG buildings, new chlorinators, wastewater transfer pumps, electrical and instrumentation, stormwater management, and landscape and irrigation, as well as OSG warranty; operation and maintenance support, and the provision of an OSG demonstration phase. The turnkey proposal provides for all tools, equipment, materials, and supplies, inclusive of labor, transportation, power and fuel to complete a fully functional installation for WASD operation. In addition, the Design-Builder will provide a complete schedule, ongoing interface with WASD operations, outage planning, and contractor oversight; process, mechanical, electrical, instrumentation and control support through the initial commissioning and start-up phases; and installing two sets of electric motor division generators having a minimum rated standby capacity of 2.865 megawatts.

Qualified firms will be required to submit a financial payment plan, which will include the performance of all necessary work based on monthly progress pay requests and within the County's scheduled budget allocations not to exceed the County's budget allocations per fiscal year. Finance costs for work completed are inclusive for budget shortfalls between progress payments at no cost to the County.

PROJECT LOCATION:

John E. Preston/Hialeah Water Treatment Plant - County Commission District 13
1100 West 2nd Avenue Hialeah, FL 33010-3863

Alexander Orr Jr. Water Treatment Plant - County Commission District 7
6800 Southwest 87th Avenue Miami, FL 33173-2503

PROJECT SITES:

SITE #	LOCATION 1	DIST	ESTIMATE	T-S-R
#75344	6800 SW 87TH AVE , 33173	7	$33,114,000.00	54-28-40
#68594	700 W 2 Ave and 1100 W 2 Ave - Budget	13	$26,436,000.00	52-31-41
Total:			$59,550,000.00	

PRIMARY COMMISSION DISTRICT: Various Districts

APPROVAL PATH: Board of County Commissioners

OCI A&E PROJECT NUMBER: UP10-WASD-01

USING DEPARTMENT: Miami-Dade Water and Sewer Department

MANAGING DEPARTMENT: Miami-Dade Water and Sewer Department

Fiscal Impact / Funding Source

FUNDING SOURCES:

SOURCE	PROJECT NUM	SITE #
Future WASD Revenue Bonds	9650041	#68594
Future WASD Revenue Bonds	9650031	#75344
Water Construction – 2011 Bonds	9650031	N/A
Water Construction – 2011 Bonds	9650041	N/A

PTP FUNDING: No

GOB FUNDING: No

ARRA FUNDING: No

CAPITAL BUDGET PROJECTS:

CAPITAL BUDGET PROJECT # - DESCRIPTION	RTA ESTIMATE
9650031- WATER TREATMENT PLANT - ALEXANDER ORR, JR. EXPANSION Book Page:259 Funding Year: Proposed Capital Budget Book for FY 2010-2011, FY 2010-11 through FY 2014-15	$33,114,000.00
9650041- WATER TREATMENT PLANT - HIALEAH/PRESTON IMPROVEMENTS Book Page:260 Funding Year: Proposed Capital Budget Book for FY 2010-2011, FY 2010-11 through FY 2014-15	$26,436,000.00
CAPITAL BUDGET PROJECTS TOTAL:	$59,550,000.00

PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:

TYPE	CODE	DESCRIPTION
Prime	6.03	WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE TREATMENT PLANTS
Prime	11.00	GENERAL STRUCTURAL ENGINEERING
Prime	12.00	GENERAL MECHANICAL ENGINEERING
Prime	13.00	GENERAL ELECTRICAL ENGINEERING
Prime	16.00	GENERAL CIVIL ENGINEERING

Other	6.01	WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS
Other	9.02	SOILS, FOUNDATIONS AND MATERIALS TESTING - GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES
Other	9.03	SOILS, FOUNDATIONS AND MATERIALS TESTING - CONCRETE AND ASPHALT TESTING SERVICES
Other	14.00	ARCHITECTURE
Other	15.01	SURVEYING AND MAPPING - LAND SURVEYING
Other	15.03	UNDERGROUND UTILITY LOCATION
Other	17.00	ENGINEERING CONSTRUCTION MANAGEMENT

SUSTAINABLE BUILDINGS ORDINANCE: (I.O NO. 8-8)
Does the project qualify for compliance with the Sustainable Buildings Ordinance? NO

ESTIMATED CONTRACT PERIOD:
965 Days. Excludes Warranty Administration Period
This agreement shall be performed within the time specified after its date of execution, subject to completion of agreed milestones.

ESTIMATED CONTINGENCY PERIOD:
0 Days.
Not Applicable

IG FEE INCLUDED IN BASE CONTRACT:
Yes

ART IN PUBLIC PLACES:
No

BASE ESTIMATE:
$59,550,000.00
$1,000,000.00 for design services
$58,550,000 for construction costs
A summary of clarifications from the unsolicited proposer, Kiewit Southern Co. (Kiewit), in response to requests for information from WASD, was submitted on May 6, 2010 indicating a revised design-build cost of $55,900,000. All interested proposers will be provided with this information together with Kiewit's unsolicited proposal.

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):

TYPE	PERCENT	AMOUNT	COMMENT
Design Build	0%	$0.00	This is a lump sum contract.

TOTAL DEDICATED ALLOWANCE:
$0.00

COST ESTIMATE: $59,550,000.00

Track Record / Monitor

EXPLANATION: On July 20, 2010, the Board of County Commissioners approved Resolution No. R-814-10 accepting the unsolicited proposal for publication to design and build on-site chlorine generation and emergency generators at the John E. Preston/Hialeah and Alexander Orr Water Treatment Plants. On August 30, 2010, the attached Request to Publish was approved and filed with the Clerk of the Board. At the Step 1 Evaluation of Qualifications meeting held on October 29, 2010, the Competitive Selection Committee (CSC) reviewed and ranked the two (2) proposals received on October 20, 2010. The CSC voted to invite the two qualified firms Kiewit and MCM-VM-Cardinal JV that submitted proposals to the Step 2 Technical and Price Proposal meeting (Oral Presentations).

Only one of the two advancing firms (Kiewit) submitted a technical and price proposal on November 29, 2010. At the Step 2 meeting held on December 20, 2010, the CSC evaluated and scored the firm. The price envelope was opened and the Adjusted Bid was tabulated. The bid price was $61,647,000. The CSC motioned to reject the price proposal as the price proposal exceeded the estimated advertised cost. Section 2-.8.1 (K)(10) of the Code of Miami-Dade County states that "The proposer shall be authorized to respond to the competitive solicitation and offer to the County a proposal in terms not less favorable to the County than the original proposal." The original project cost in the unsolicited proposal was $59,550,000. Therefore, WASD recommends that the proposal received from Kiewit for On-Site Chlorine Generation and Emergency Generators at the John E. Preston/Hialeah and Alexander Orr Water Treatment Plants pursuant to the Request to Publish on August 30, 2010, be rejected.

Following approval of the rejection, WASD intends to discuss with Kiewit the original unsolicited proposal.

MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes The engineer of record must demonstrate experience in the design of (1) one chlorination generation facility with a minimum of 1,000 pounds per day capacity in the United States within 10 years from the submittal date of this solicitation. The proposer shall provide information on up to three (3) projects of the design member's chlorination generation facility.

The design-builder must demonstrate experience in the construction of one (1) chlorination generation facility, with a minimum of 5,000 pounds a day capacity in the United States within 10 years from the submittal date of this solicitation; and the ability to provide a high level of construction safety throughout the projects' execution. The design-builder shall

demonstrate a successful safety record/past performance based on their Experience Modification Rate for the last three (3) years.

REVIEW COMMITTEE:	**MEETING DATE:** 7/7/2010 **SIGNOFF DATE:** 7/7/2010
APPLICABLE WAGES: (RESOLUTION No. R-54-10)	Yes

REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:

TYPE	GOAL	COMMENT
CSBE	15.00%	Administrative Order 3-22
CBE	25.00%	Administrative Order 3-32
DBE	0.00%	Not Applicable
CWP	0.00%	Not Applicable

MANDATORY CLEARING HOUSE:	Yes		
CONTRACT MANAGER NAME / PHONE / EMAIL:	Patty David	786-552-8040	pattyd@miamidade.gov
PROJECT MANAGER NAME / PHONE / EMAIL:	Richard Coates, P.E.	305-275-3659	RACOAT@miamidade.gov

Background

BACKGROUND:

As part of its facilities planning and homeland security objectives, WASD has been considering developing onsite production of chlorine for water treatment. On-site production of chlorine minimizes safety risks associated with roadway or rail delivery of chlorine to the water treatment plants.

The proposed facilities would have produced the amount of chlorine to meet the criteria for disinfection at the County's water treatment plants. The systems are capable of producing up to 25,000 pounds of chlorine equivalent per day based at full design system capacity and production rates are scalable to match real time water production demands.

DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS:

COMMITTEE MEMBER & TITLE	YEAR HIRED	GENDER / ETHNICITY	EDUCATION	PROFESSIONAL LICENSES
Ralph Terrero, P.E., Assistant Director , Water Operations	2005	Male/Hispanic	B.S Environmental Technology	P.E. and Diplomate American Academy of Environmental Engineers
Brian Trujillo, P.E., Professional Engineer	1993	Male/Hispanic	B.S. Civil Engineering	P.E.
James Ferguson, Professional Engineer	2003	Male/White	B.S. Civil Engineering	P.E.

DEPARTMENT FINANCE: _____ 2/14/11
DEPT FINANCE OFFICER: **DATE:**

INDEX CODES: Future WASD Revenue Bonds and Water Construction - 2011 Bonds

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BUDGET APPROVAL FUNDS AVAILABLE: _____ 2/16/11
OSBM DIRECTOR **DATE**

APPROVED AS TO LEGAL SUFFICIENCY: _____ 2/22/11
COUNTY ATTORNEY **DATE**

CAPITAL IMPROVEMENTS CONCURRENCE: _____ 3/9/11
OCI DIRECTOR **DATE**

_____ 3/11
ASSISTANT COUNTY MANAGER **DATE**

CLERK DATE _____
DATE

REQUEST TO REJECT ALL BIDS
DESIGN-BUILD SERVICES FOR ON-SITE CHLORINE GENERATION AND EMERGENCY GENERATOR SYSTEMS AT THE JOHN E. PRESTON/HIALEAH AND ALEXANDER ORR WATER TREATMENT PLANTS
PROJECT NO: UP10-WASD-01

BUDGET PROJECT AND DESCRIPTION:	9650041- Water Treatment Plant Hialeah/Preston Improvements 9650031-Water Treatment Plant Alexander Orr, Jr. Expansion
FUNDING SOURCES:	Water Construction – 2011 Bonds Future WASD Revenue Bonds

ASSISTANT DIRECTOR, WATER: RALPH TERRERO, P.E. — DATE 2/10/11

ASSISTANT DIRECTOR, WASTEWATER: VICENTE ARREBOLA, P.E. — DATE 2/11/11

ASSISTANT DIRECTOR, ENGINEERING: EDUARDO A. VEGA, P.E. — DATE 2/10/2011

BUDGETARY & FINANCIAL ADVISOR TO THE DIRECTOR PEDRO VELAR — DATE 2/14/2011

DEPUTY DIRECTOR, OPERATIONS JOSEPH A. RUIZ, JR. — DATE 2/14/11

DIRECTOR JOHN W. RENFROW, P.E. — DATE 2-14-11

MEMORANDUM

(Revised)

TO: Honorable Chairman Joe A. Martinez and Members, Board of County Commissioners

DATE: May 17, 2011

FROM: R. A. Cuevas, Jr. County Attorney

SUBJECT: Agenda Item No. 8(R)(1)(A)

Please note any items checked.

_____ "3-Day Rule" for committees applicable if raised

_____ 6 weeks required between first reading and public hearing

_____ 4 weeks notification to municipal officials required prior to public hearing

_____ Decreases revenues or increases expenditures without balancing budget

_____ Budget required

_____ Statement of fiscal impact required

_____ Ordinance creating a new board requires detailed County Manager's report for public hearing

_____ No committee review

_____ Applicable legislation requires more than a majority vote (i.e., 2/3's ____, 3/5's ____, unanimous _____) to approve

_____ Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(R)(1)(A)
5-17-11

RESOLUTION NO. _____

RESOLUTION REJECTING ALL BIDS SUBMITTED IN RESPONSE TO MIAMI-DADE WATER AND SEWER DEPARTMENT'S REQUEST FOR PROPOSALS FOR PROJECT NO. UP10-WASD-01: DESIGN-BUILD SERVICES FOR ON-SITE CHLORINE GENERATION AND EMERGENCY GENERATOR SYSTEMS AT THE JOHN E. PRESTON/HIALEAH AND ALEXANDER ORR WATER TREATMENT PLANTS

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board rejects all bids submitted in response to Miami-Dade Water and Sewer Department's request for proposals for Project No. UP10-WASD-01: Design Build Services for On-Site Chlorine Generation and Emergency Generator Systems at the John E. Preston/Hialeah and Alexander Orr Water Treatment Plants pursuant to Section 2-8.1(k) of the Code of Miami-Dade County, Florida.

The foregoing resolution was offered by Commissioner , who moved its adoption. The motion was seconded by Commissioner and upon being put to a vote, the vote was as follows:

Joe A. Martinez, Chairman
Audrey M. Edmonson, Vice Chairwoman

Bruno A. Barreiro	Lynda Bell
Jose "Pepe" Diaz	Sally A. Heyman
Barbara J. Jordan	Jean Monestime
Dennis C. Moss	Rebeca Sosa
Sen. Javier D. Souto	

The Chairperson thereupon declared the resolution duly passed and adopted this 17th day of May, 2011. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By:_____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Henry N. Gillman

Memorandum MIAMI-DADE COUNTY

CLERK OF THE BOARD
2010 AUG 30 PM 3:25
CLERK, CIRCUIT & COUNTY COURTS
DADE COUNTY, FLA.
#1

Date: 8/24/2010

To: George M. Burgess
County Manager

From: John W. Renfrow, P.E.
Director
Miami-Dade Water and Sewer Department

Attn: George Navarrete
Director
Office of Capital Improvements

Subject: Request to Publish an Unsolicited Proposal for Design-Build Services for an On-Site Chlorine Generation and Emergency Generator Systems at the John E. Preston/Hialeah and Alexander Orr Water Treatment Plants - Project No: UP10-WASD-01; Contract No: UP10-WASD-01 for a cost estimate amount of $59,550,000.

Recommendation

On July 20, 2010, the Board of County Commissioners approved Resolution No. R-814-10 requesting to publish an unsolicited proposal for Design-Build services for On-Site Chlorine Generation (OSG) and Emergency Generator Systems at the John E. Preston/Hialeah and Alexander Orr Water Treatment Plants. This Request to Publish has been prepared by Miami-Dade Water and Sewer Department (MDWASD) and is recommended for approval pursuant to Miami-Dade County Ordinance 08-79 which states that the Request to Publish shall be published no later than thirty (30) days following acceptance by the Board of County Commissioners. and pursuant to Section 2-8.1 of the Code of Miami-Dade County.

Scope

PROJECT NAME: Design-Build Services for OSG and Emergency Generator Systems at the John E. Preston/Hialeah and Alexander Orr Water Treatment Plants (WTP)

PROJECT NO: UP10-WASD-01

CONTRACT NO: UP10-WASD-01

PROJECT DESCRIPTION:

RECEIVED
2010 AUG 27 A 4
CAPITAL IMPROVEMENTS

Design, construct and install two (2) OSG and Emergency Generator Systems that meet the disinfection criteria at Alexander Orr Jr. Water Treatment Plant and John E. Preston/Hialeah Water Treatment Plants. The systems are designed to operate 24 hours per day, 365 days per year and at full capacity of producing up to 25,000 pounds of chlorine equivalent per day.

Scope of services and any supportive tasks ancillary to the primary scope of services will include but are not limited to the following:

Design services are anticipated to include, but are not limited to the following: preparation of final construction documents, design plans,

calculations, specifications, and all required permits and fees.

Construction related services are anticipated to include, but are not limited to the construction of two (2) OSG and Emergency Generator Systems to be located at the Water Treatment Plants (WTPs) that includes the installation of two 25,000 pounds per day OSG systems, brine pretreatment and storage facility, emergency generators, site development and yard piping, OSG buildings, new chlorinators, wastewater transfer pumps, electrical and instrumentation, stormwater management, and landscape and irrigation, as well as OSG warranty; Operation and Maintenance support, and the provision of an OSG demonstration phase. The turnkey proposal provides for all tools, equipment, materials, and supplies, inclusive of labor, transportation, power and fuel to complete a fully functional installation for MDWASD's operation. In addition, the Design-Builder will provide a complete schedule, ongoing interface with MDWASD operations, outage planning, and contractor oversight; process, mechanical, electrical, instrumentation and control support through the initial commissioning and start-up phases; and installing two sets of electric motor division generators having a minimum rated standby capacity of 2.865 megawatts.

Qualified firms will be required to submit a Financial Payment Plan, which will include the performance of all necessary work based on monthly progress pay requests and within the County's scheduled budget allocations not to exceed the County's budget allocations per fiscal year. Finance costs for work completed are inclusive for budget shortfalls between progress payments at no cost to the County.

PROJECT LOCATION:

John E. Preston/Hialeah Water Treatment Plant - County Commission District 13
1100 West 2nd Avenue Hialeah, FL 33010-3863

Alexander Orr Jr. Water Treatment Plant - County Commission District 7
6800 Southwest 87th Avenue Miami, FL 33173-2503

PROJECT SITES:

SITE #	LOCATION 1	DIST	ESTIMATE	T-S-R
#75344	6800 SW 87TH AVE , 33173	7	$33,114,000.00	54-28-40
#68594	700 W 2 Ave and 1100 W 2 Ave - Budget	13	$26,436,000.00	52-31-41
Total:			$59,550,000.00	

PRIMARY COMMISSION DISTRICT: Various Districts

APPROVAL PATH: Manager's Authority

The Board of County Commissioners approved to publish the unsolicited project on July 20, 2010.

OCI A&E PROJECT NUMBER: UP10-WASD-01

USING DEPARTMENT: Miami-Dade Water and Sewer Department

MANAGING DEPARTMENT: Miami-Dade Water and Sewer Department

Fiscal Impact / Funding Source

FUNDING SOURCES:

SOURCE	PROJECT NUM	SITE #
Future WASD Revenue Bonds	9650031	#75344
Future WASD Revenue Bonds	9650041	#68594
Water Construction - 2011 Bonds	9650031	N/A
Water Construction - 2011 Bonds	9650041	N/A

PTP FUNDING: No

GOB FUNDING: No

ARRA FUNDING: No

CAPITAL BUDGET PROJECTS:

CAPITAL BUDGET PROJECT # - DESCRIPTION	RTA ESTIMATE
9650031- WATER TREATMENT PLANT - ALEXANDER ORR, JR EXPANSION Book Page:259 Funding Year: Proposed Capital Budget Book for FY 2010-2011, FY 2010-11 through FY 2014-15	$33,114,000.00
9650041- WATER TREATMENT PLANT - HIALEAH/PRESTON IMPROVEMENTS Book Page:260 Funding Year: Proposed Capital Budget Book for FY 2010-2011, FY 2010-11 through FY 2014-15	$26,436,000.00
CAPITAL BUDGET PROJECTS TOTAL:	$59,550,000.00

PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:

TYPE	CODE	DESCRIPTION
Prime	6.03	WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE TREATMENT PLANTS
Prime	11.00	GENERAL STRUCTURAL ENGINEERING
Prime	12.00	GENERAL MECHANICAL ENGINEERING
Prime	13.00	GENERAL ELECTRICAL ENGINEERING
Prime	16.00	GENERAL CIVIL ENGINEERING
Other	6.01	WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS
Other	9.02	SOILS, FOUNDATIONS AND MATERIALS TESTING - GEOTECHNICAL AND MATERIALS ENGINEERING

Other	9.03	SOILS, FOUNDATIONS AND MATERIALS TESTING - CONCRETE AND ASPHALT TESTING SERVICES
Other	14.00	ARCHITECTURE
Other	15.01	SURVEYING AND MAPPING - LAND SURVEYING
Other	15.03	UNDERGROUND UTILITY LOCATION
Other	17.00	ENGINEERING CONSTRUCTION MANAGEMENT

SUSTAINABLE BUILDINGS ORDINANCE:
(I.O NO. 8-8)

Does the project qualify for compliance with the Sustainable Buildings Ordinance? NO

ESTIMATED CONTRACT PERIOD:

965 Days. Excludes Warranty Administration Period
This agreement shall be performed within the time specified after its date of execution, subject to completion of agreed milestones.

ESTIMATED CONTINGENCY PERIOD:

0 Days.
Not Applicable

IG FEE INCLUDED IN BASE CONTRACT:

Yes

ART IN PUBLIC PLACES:

No

BASE ESTIMATE:

$59,550,000.00 *

$1 million for design services
$58,550,000 million construction costs

* A summary of clarifications from the unsolicited proposer, Kiewit Southern Co. (Kiewit), in response to requests for information from Miami-Dade Water and Sewer Department (MDWASD), was submitted on May 6, 2010 indicating a revised Design-Build cost of $55,900,000. All interested proposers will be provided with this information together with Kiewit's unsolicited proposal.

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):

TYPE	PERCENT	AMOUNT	COMMENT
Design Build	0%	$0.00	This is a lump sum contract.

TOTAL DEDICATED ALLOWANCE:

$0.00

COST ESTIMATE:

$59,550,000.00

Track Record / Monitor

EXPLANATION:

N/A - will be provided at the time of award.

MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS:

Yes The engineer of record must demonstrate experience in the design of (1) one chlorination generation facility with a minimum 1,000 pounds per day capacity in the United States within 10 years from the submittal date of this solicitation. The proposer shall provide information on up to three (3) of the design member's chlorination generation facility experience.

The Design-Builder must demonstrate experience in the construction of one (1) chlorination generation facility, with a minimum of 5,000 pounds a day capacity in the United States within 10 years from the submittal date of this solicitation; and the ability to provide a high level of construction safety throughout the projects' execution. The design-builder shall demonstrate a

successful safety record/past performance based on their Experience Modification Rate for the last three (3) years.

REVIEW COMMITTEE:	**MEETING DATE:** 7/7/2010 **SIGNOFF DATE:** 7/7/2010
APPLICABLE WAGES: (RESOLUTION No. R-54-10)	Yes

REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:

TYPE	GOAL	COMMENT
CSBE	15.00%	Administrative Order 3-22
CBE	25.00%	Administrative Order 3-32
DBE	0.00%	Not Applicable
CWP	0.00%	Not Applicable

MANDATORY CLEARING HOUSE:	Yes		
CONTRACT MANAGER NAME / PHONE / EMAIL:	Patty David	786-552-8040	pattyd@miamidade.gov
PROJECT MANAGER NAME / PHONE / EMAIL:	Richard Coates, P.E.	305-275-3659	RACOAT@miamidade.gov

Background

BACKGROUND:

As part of its facilities planning and homeland security objectives, MDWASD has been considering developing onsite production of chlorine for water treatment. On-site production of chlorine minimizes safety risks associated with roadway or rail delivery of chlorine to the water treatment plants.

The proposed facilities will produce the amount of chlorine to meet the criteria for disinfection at the County's water treatment plants. The systems are capable of producing up to 25,000 pounds of chlorine equivalent per day based at full design system capacity and production rates are scalable to match real time water production demands.

DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS:

COMMITTEE MEMBER & TITLE	YEAR HIRED	GENDER / ETHNICITY	EDUCATION	PROFESSIONAL LICENSES
Ralph Terrero, P.E., Assistant Director , Water Operations	2005	Male/Hispanic	B.S Environmental Technology	P.E. and Diplomate American Academy of Environmental Engineers
Richard Coates, Professional Engineer	2003	Male/White	B.S. Civil Engineering	P.E.
James Ferguson, Professional Engineer	2003	Male/White	B.S. Civil Engineering	P.E.

DEPARTMENT FINANCE: 8/25/10

DEPT FINANCE OFFICER: DATE:

INDEX CODES: Future WASD Revenue Bonds and Water Construction - 2011 Bonds

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BUDGET APPROVAL FUNDS AVAILABLE: 8/26/10

OSBM DIRECTOR DATE

CAPITAL IMPROVEMENTS CONCURRENCE: 8/30/10

OCI DIRECTOR DATE

8/27/10

ASSISTANT COUNTY ATTORNEY DATE

8/30/10

ASSISTANT COUNTY MANAGER DATE

CLERK DATE

DATE

17

REQUEST TO PUBLISH
DESIGN-BUILD SERVICES FOR ON-SITE CHLORINE GENERATION AND EMERGENCY GENERATOR SYSTEMS AT THE JOHN E. PRESTON/HIALEAH AND ALEXANDER ORR WATER TREATMENT PLANTS
PROJECT NO: UP10-WASD-01

BUDGET PROJECT AND DESCRIPTION:	9650041- Water Treatment Plant Hialeah/Preston Improvements 9650031-Water Treatment Plant Alexander Orr, Jr. Expansion
FUNDING SOURCES:	Water Construction – 2011 Bonds Future WASD Revenue Bonds
ASSISTANT DIRECTOR, WATER:	RALPH TERRERO, P.E. — DATE 8/24/10
ASSISTANT DIRECTOR, WASTEWATER:	VICENTE ARREBOLA, P.E. — DATE 8-24-2010
ASSISTANT DIRECTOR, ENGINEERING:	EDUARDO A. VEGA, P.E. — DATE 8/24/2010
BUDGETARY & FINANCIAL ADVISOR TO THE DIRECTOR	PEDRO VELAR — DATE 8/24/10
DEPUTY DIRECTOR, OPERATIONS	JOSEPH A. RUIZ, JR. — DATE 8/24/10

WATER TREATMENT PLANT - ALEXANDER ORR, JR EXPANSION PROJECT # 9650031

DESCRIPTION: Construct high service pumps, a 48-inch finished water line, install a new generator, and construct chlorine facilities

LOCATION: 6800 SW 87 Ave
Unincorporated Miami-Dade County
DISTRICT LOCATED: 7
ESTIMATED ANNUAL OPERATING IMPACT: Minimal
DISTRICT(s) SERVED: Systemwide

REVENUE SCHEDULE:	PRIOR	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	FUTURE	TOTAL
Water Renewal and Replacement Fund	1,133	0	0	0	0	0	0	0	1,133
Water Construction - 2011 Bonds	0	18,817	0	0	0	0	0	0	18,817
Water Construction - 2009 Bonds	6,258	0	0	0	0	0	0	0	6,258
WASD Revenue Bonds Sold	2,086	0	0	0	0	0	0	0	2,086
Future WASD Revenue Bonds	0	0	29,093	17,719	6,500	1,450	0	0	54,762
TOTAL REVENUE:	**9,477**	**18,817**	**29,093**	**17,719**	**6,500**	**1,450**	**0**	**0**	**83,056**

EXPENDITURE SCHEDULE:	PRIOR	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	FUTURE	TOTAL
Planning and Design	1,231	2,447	3,782	2,303	845	189	0	0	10,797
Construction	6,824	13,548	20,947	12,757	4,680	1,044	0	0	59,800
Equipment Acquisition	1,422	2,823	4,364	2,658	975	217	0	0	12,459
TOTAL EXPENDITURES:	**9,477**	**18,818**	**29,093**	**17,718**	**6,500**	**1,450**	**0**	**0**	**83,056**

WATER TREATMENT PLANT - FLORIDIAN REVERSE OSMOSIS PROJECT # 966620

DESCRIPTION: Construct a 10-million gallons per day (MGD) Reverse Osmosis Treatment Plant using Upper Floridian Aquifer to serve the City of Hialeah's service areas; total cost of $160 million, includes contribution and expenditures of $80 million from City of Hialeah

LOCATION: Hialeah
Hialeah
DISTRICT LOCATED: 13
ESTIMATED ANNUAL OPERATING IMPACT: Minimal
DISTRICT(s) SERVED: 13

REVENUE SCHEDULE:	PRIOR	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	FUTURE	TOTAL
Water Connection Charges	30,839	3,174	2,600	4,000	0	0	0	0	40,613
Water Construction - 2011 Bonds	0	13,379	0	0	0	0	0	0	13,379
Future WASD Revenue Bonds	0	0	16,900	17,348	7,383	4,085	6,099	0	51,815
TOTAL REVENUE:	**30,839**	**16,553**	**19,500**	**21,348**	**7,383**	**4,085**	**6,099**	**0**	**105,807**

EXPENDITURE SCHEDULE:	PRIOR	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	FUTURE	TOTAL
Planning and Design	163	311	195	213	74	41	61	0	1,058
Construction	16,165	30,753	19,305	21,135	7,309	4,044	6,038	0	104,749
TOTAL EXPENDITURES:	**16,328**	**31,064**	**19,500**	**21,348**	**7,383**	**4,085**	**6,099**	**0**	**105,807**

Department: Miami-Dade Water and Sewer Department 8/24/2010 9:03:56 AM

BUDGET PROJECT 9650031 - (As per 2009-2010 Approved Budget)

Project Title: 9650031-WATER TREATMENT PLANT - ALEXANDER ORR, JR EXPANSION

Project Desc: Construct high service pumps, a 48-inch finished water line, install a new generator, and construct chlorine facilities

CDP Project Revenue

CDP Revenue:	Prior:	09-10:	10-11:	11-12:	12-13:	13-14:	14-15:	FUTURE:	Total:
Water Renewal and Rep	1,622,000	0	0	0	0	0	0	0	1,622,000
WASD Revenue Bonds So	3,651,000	0	0	0	0	0	0	0	3,651,000
Future WASD Revenue B	0	0	21,815,000	33,162,000	5,610,000	1,200,000	0	0	61,787,000
Water Construction Fu	500,000	0	0	0	0	0	0	0	500,000
WASD Water Commercial	0	9,379,000	0	0	0	0	0	0	9,379,000

CIIS Site Funding Info

SITE Location/Desc:	Prior:	09-10:	10-11:	11-12:	12-13:	13-14:	14-15:	FUTURE:	Total:
68593 - 6800 SW 87 Ave - Budget	3,219,000	6,258,000	18,817,000	29,093,000	17,719,000	6,500,000	1,450,000	0	83,056,000
Desc: Construct high service pumps, additional filters, additional softener No. 15 and 108-inch filter pipe, and generator No. 5, and perform miscellaneous electrical upgrades.									
75344 - 6800 SW 87TH AVE , 33173	0	0	0	0	0	0	0	0	0
Desc: Construct high service pumps, a 48-inch finished water line, install a new generator, and construct chlorine facilities									
75346 -	0	0	0	0	0	0	0	0	0
Desc: Construct high service pumps, a 48-inch finished water line, install a new generator, and construct chlorine facilities									
75347 - Various Districts	0	0	0	0	0	0	0	0	0
Desc: Construct high service pumps, a 48-inch finished water line, install a new generator, and construct chlorine facilities									
Total: Count 4	3,219,000	6,258,000	18,817,000	29,093,000	17,719,000	6,500,000	1,450,000	0	83,056,000

	Recs:	05-06:	06-07:	07-08:	08-09:	09-10:	10-11:	11-12:	12-13:	13-14:	14-15:	15-16:	16-17:	17-18:	18-19:	To
RV:	5	0	0	0	3,219,000	6,258,000	18,817,000	29,093,000	17,719,000	6,500,000	1,450,000	0	0	0	0	83,056,000.00
MS:	15	0	0	0	2,644,000	6,833,000	18,818,000	29,093,000	17,718,000	6,500,000	1,450,000	0	0	0	0	83,056,000.00

BookReport

PROJECT REPORT 4

EXIT

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Current Contracts for Project 9650031

RTA / MCC Award / MCC

Dept	ContractNo	Contract Name	Estimated Allocation	Award Allocation	CIIS Award
WS	E06-WASD-15	Design of Upgrades to the MDWASD's Alexander Orr Water Treatment Plant and the South Miami-Dade Water Supply System (Leisure City, Naranja, and Elevated Water Tank, Everglades Labor Camp and Newton Water Treatment Plants and Appurtenant Facilities	$8,800,000.00	$0.00	$8,800,000.00
WS	E06-WASD-15	Design of Upgrades to the MDWASD's Alexander Orr Water Treatment Plant and the South Miami-Dade Water Supply System (Leisure City, Naranja, and Elevated Water Tank, Everglades Labor Camp and Newton Water Treatment Plants and Appurtenant Facilities	$0.00	$8,800,000.00	$8,800,000.00
WS	E08-WASD-03	Engineering design services for upgrades to the WASD's Alexander Orr Water Treatment Plant and the South Miami-Dade Water Supply Systems including the Elevated Water Tank, Leisure City, Naranja, Everglades Labor Camp, and Newton Water Treatment Plants, and appurtenant facilities	$4,400,000.00	$0.00	$4,400,000.00
WS	E08-WASD-03	Engineering design services for upgrades to the WASD's Alexander Orr Water Treatment Plant and the South Miami-Dade Water Supply Systems including the Elevated Water Tank, Leisure City, Naranja, Everglades Labor Camp, and Newton Water Treatment Plants, and appurtenant facilities	$0.00	$4,400,000.00	$4,400,000.00
WS	7360: P0046R1	Engine # 5	$889,800.00	$0.00	$1,152,117.90
WS	7040: T1269	GENERATOR SLAB	$50,000.00	$0.00	$33,967.00
WS	UP10-WASD-01	Design-Build Services for OSG and Emergency Generator Systems at the John E. Preston/Hialeah and Alexander Orr Water Treatment Plants (WTP)	$33,114,000.00	$0.00	$0.00
WS	W-847R (A)	ASR Ultraviolet Disinfection Systems at the West and Southwest Wellfields	$300,000.00	$0.00	$5,851,550.00
WS	W-895	Alexander Orr Jr. Water Treatment Plant 96-Inch Filter Interconnecting Pipe	$0.00	$2,012,982.00	$2,012,982.00
WS	W-895	Alexander Orr Jr. Water Treatment Plant 96-Inch Filter Interconnecting Pipe	$2,300,000.00	$0.00	$2,012,982.00
		Total Allocated:	$49,853,800.00	$15,212,982.00	

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Current Contracts for Sites of Project 9650031

(Theses contracts are not necessarily funded from this project)

Dept	Site NO	ContractNo	Award Allocation
WS	#68593	W-895	$2,012,982.00
WS	#75347	E08-WASD-03	$4,400,000.00
WS	#75344	UP10-WASD-01	$33,114,000.00

Total Allocated: $39,526,982.00

Search for Site Number
Search for Budget Project Number

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WATER TREATMENT PLANT - HIALEAH/PRESTON IMPROVEMENTS **PROJECT # 9650041**

DESCRIPTION: Construct pump station east of the reservoir outside the transmission loop; construct five-mega-gal elevated remote storage, new laboratory, filter backwash water tank; install two emergency generators; construct chlorine facilities; and various upgrades to plant and remote storage

LOCATION: 700 W 2 Ave and 1100 W 2 Ave
Hialeah

DISTRICT LOCATED: 6
ESTIMATED ANNUAL OPERATING IMPACT: Minimal
DISTRICT(s) SERVED: Systemwide

REVENUE SCHEDULE:	PRIOR	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	FUTURE	TOTAL
Water Renewal and Replacement Fund	1,318	0	0	0	0	0	0	0	1,318
Water Construction Fund	500	0	0	0	0	0	0	0	500
Water Construction - 2011 Bonds	0	15,350	0	0	0	0	0	0	15,350
Water Construction - 2009 Bonds	4,347	0	0	0	0	0	0	0	4,347
WASD Revenue Bonds Sold	1,003	0	0	0	0	0	0	0	1,003
Future WASD Revenue Bonds	0	0	19,120	7,537	14,777	8,884	4,000	4,000	58,318
TOTAL REVENUE:	**7,168**	**15,350**	**19,120**	**7,537**	**14,777**	**8,884**	**4,000**	**4,000**	**80,836**

EXPENDITURE SCHEDULE:	PRIOR	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	FUTURE	TOTAL
Planning and Design	2,007	4,298	5,354	2,110	4,138	2,488	1,120	1,120	22,635
Construction	4,444	9,517	11,854	4,673	9,161	5,508	2,480	2,480	50,117
Equipment Acquisition	717	1,535	1,912	754	1,478	888	400	400	8,084
TOTAL EXPENDITURES:	**7,168**	**15,350**	**19,120**	**7,537**	**14,777**	**8,884**	**4,000**	**4,000**	**80,836**

WATER TREATMENT PLANTS MISCELLANEOUS UPGRADES **PROJECT # 9610960**

DESCRIPTION: Upgrade water treatment plants to meet regulatory requirements

LOCATION: Water Treatment Plants

DISTRICT LOCATED: Systemwide
ESTIMATED ANNUAL OPERATING IMPACT: Minimal
DISTRICT(s) SERVED: Systemwide

REVENUE SCHEDULE:	PRIOR	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	FUTURE	TOTAL
Water Renewal and Replacement Fund	20	0	0	0	0	0	0	0	20
Water Construction Fund	6,064	0	0	0	0	0	0	0	6,064
Water Construction - 2011 Bonds	0	2,595	0	0	0	0	0	0	2,595
Water Construction - 2009 Bonds	725	0	0	0	0	0	0	0	725
WASD Revenue Bonds Sold	3,540	0	0	0	0	0	0	0	3,540
Future WASD Revenue Bonds	0	0	10,866	4,394	127	0	0	0	15,387
TOTAL REVENUE:	**10,349**	**2,595**	**10,866**	**4,394**	**127**	**0**	**0**	**0**	**28,331**

EXPENDITURE SCHEDULE:	PRIOR	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	FUTURE	TOTAL
Planning and Design	156	99	221	88	3	0	0	0	567
Construction	4,052	2,575	5,755	2,285	66	0	0	0	14,733
Equipment Acquisition	3,584	2,278	5,090	2,021	58	0	0	0	13,031
TOTAL EXPENDITURES:	**7,792**	**4,952**	**11,066**	**4,394**	**127**	**0**	**0**	**0**	**28,331**

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Department: Miami-Dade Water and Sewer Department 8/24/2010 9:04:54 AM

BUDGET PROJECT 9650041 - (As per 2009-2010 Approved Budget)

Project Title: 9650041-WATER TREATMENT PLANT - HIALEAH/PRESTON IMPROVEMENTS

Project Desc: Construct pump station east of the reservoir outside the transmission loop; construct five-mega-gal elevated remote storage, new laboratory, filter backwash water tank; install two emergency generators; construct chlorine facilities; and various upgrades to plant and remote storage

CDP Project Revenue

CDP Revenue:	Prior:	09-10:	10-11:	11-12:	12-13:	13-14:	14-15:	FUTURE:	Total:
Water Renewal and Rep	2,619,000	0	0	0	0	0	0	0	2,619,000
WASD Revenue Bonds So	742,000	0	0	0	0	0	0	0	742,000
Future WASD Revenue B	0	0	21,325,000	19,227,000	9,781,000	15,588,000	7,442,000	0	73,363,000
Water Construction Fu	500,000	0	0	0	0	0	0	0	500,0[illegible]
WASD Water Commercial	0	5,963,000	0	0	0	0	0	0	5,963,000

CIIS Site Funding Info

SITE Location/Desc:	Prior:	09-10:	10-11:	11-12:	12-13:	13-14:	14-15:	FUTURE:	Total:
68594 - 700 W 2 Ave and 1100 W 2 Ave - Budget	2,821,000	4,347,000	15,350,000	19,120,000	7,537,000	14,777,000	8,884,000	8,000,000	80,836,000
Desc: Improve filters and pump station header; convert to polymer system; install emergency generators, and outside transmission loop.									
72967 - 1100 W 2ND AVE	0	0	0	0	0	0	0	0	0
Desc: Design of Upgrades to MDWASD's Hialeah Water Treatment Plant, Pipelines, Wellfields, Re-Pumping Facilities, Remote Storage and Appurtenant Facilities									
Total: Count 2	2,821,000	4,347,000	15,350,000	19,120,000	7,537,000	14,777,000	8,884,000	8,000,000	80,836,000

	Recs:	05-06:	06-07:	07-08:	08-09:	09-10:	10-11:	11-12:	12-13:	13-14:	14-15:	15-16:	16-17:	17-18:	18-19:	Total:
RV:	6	0	0	0	2,821,000	4,347,000	15,350,000	19,120,000	7,537,000	14,777,000	8,884,000	4,000,000	4,000,000	0	0	80,836,000
MS:	18	0	0	0	1,518,000	5,650,000	15,350,000	19,120,000	7,537,000	14,777,000	8,884,000	4,000,000	4,000,000	0	0	80,836,000.00

Book Report

PROJECT REPORT 4

EXIT

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Current Contracts for Project 9650041

Dept	ContractNo	Contract Name	RTA / MCC Estimated Allocation	Award / MCC Award Allocation	CIIS Award

WS	E06-WASD-04	Design of Upgrades to MDWASD's Hialeah Water Treatment Plant, Pipelines, Wellfields, Re-Pumping Facilities, Remote Storage and Appurtenant Facilities	$4,800,000.00	$0.00	$8,800,000.00
WS	E06-WASD-04	Design of Upgrades to MDWASD's Hialeah Water Treatment Plant, Pipelines, Wellfields, Re-Pumping Facilities, Remote Storage and Appurtenant Facilities	$0.00	$4,800,000.00	$8,800,000.00
WS	E06-WASD-10	Hialeah/Preston Water Treatment Plant	$0.00	$5,000,000.00	$13,420,000.00
WS	E06-WASD-11	Design of Upgrades to MDWASD's John E. Preston Water Treatment Plant, Pipelines, Wellfields, Re-Pumping Facilities, Remote Storage and Appurtenant Facilities	$4,000,000.00	$0.00	$8,800,000.00
WS	E06-WASD-11	Design of Upgrades to MDWASD's John E. Preston Water Treatment Plant, Pipelines, Wellfields, Re-Pumping Facilities, Remote Storage and Appurtenant Facilities	$0.00	$4,000,000.00	$8,800,000.00
WS	UP10-WASD-01	Design-Build Services for OSG and Emergency Generator Systems at the John E. Preston/Hialeah and Alexander Orr Water Treatment Plants (WTP)	$26,436,000.00	$0.00	$0.00
WS	W-888	John E. Preston Water Treatment Plant Drinking Water Quality Laboratory	Cancelled	Cancelled	Cancelled
WS	W-888	John E. Preston Water Treatment Plant Drinking Water Quality Laboratory	Cancelled	Cancelled	Cancelled
WS	W-888R	John E. Preston Water Treatment Plant Drinking Water Quality Laboratory	$0.00	$2,164,106.25	$2,335,796.85
WS	W-888R	John E. Preston Water Treatment Plant Drinking Water Quality Laboratory	$3,287,250.00	$0.00	$2,335,796.85
		Total Allocated:	$38,523,250.00	$15,964,106.25	

Current Contracts for Sites of Project 9650041

(Theses contracts are not necessarily funded from this project)

Dept	Site NO	ContractNo	Award Allocation
WS	#72967	E06-WASD-04	$8,800,000.00
WS	#72967	W-888	$2,842,805.41
WS	#72967	W-888R	$2,164,106.25
WS	#68594	UP10-WASD-01	$26,436,000.00
		Total Allocated:	$40,242,911.66

Search for Site Number
Search for Budget Project Number

Dept. of Small Business Development
Project Worksheet

Project/Contract Title: UNSOLICITED PROPOSAL FOR DESIGN-BUILD SERVICES FOR ON-SITE CHLORINE GENERATION & EMERGENCY GENERATOR SYSTEMS - PRESTON/HIALEAH AND ALEXANDER ORR, JR. WATER TREATMENT PLANTS (SIC 871)

RC Date: 07/07/2010
4 -01

Project/Contract No: UP10-WASD-01 (DESIGN)

Funding Source: VARIOUS

Item No:

Department: WATER & SEWER DEPARTMENT

Estimated Cost of Project/Bid: $1,000,000.00

Resubmittal Date(s):

Description of Project/Bid: TO ESTABLISH AN UNSOLICITED PROPOSAL FOR DESIGN-BUILD SERVICES FOR THE CONSTRUCTION OF TWO (2) ON-SITE CHLORINE GENERATION SYSTEMS (OSG) AND EMERGENCY GENERATOR FACILITIES TO BE LOCATED AT THE ALEXANDER ORR, JR. AND JOHN E. PRESTON WATER TREATMENT PLANTS. THE SCOPE/S OF WORK TO CONSIST OF: THE ENGINEERING DESIGN, REGULATORY PERMITTING ASSISTANCE AND SELECT CONSTRUCTION SUPPORT.

Contract Measures Recommendation

Measure	Program	Goal Percent
Goal	CBE	25.00%

Reasons for Recommendation

This project meets all the criteria set forth in A.O. 3-32, Section V.

Funding Source/s: Future WASD Revenue Bonds and Future WASD Revenue Bonds Sold.

Design component did not allow for a "Set-Aside" because Lead Designer is required to be certified in 6.03, 11.00, 12.00, 13.00, and 16.00; No First Tier CBEs are certified in all five (5) Technical Categories; thus, a 25% CBE goal is applicable based on the availability.

SIC 871 - Architectural and Engineering Services

Analysis for Recommendation of a Goal

Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
W & S SEWER SYS-WATER DIST & SANITARY SEWAGE COLL	CBE	$100,000.00	10.00%	12
GENERAL MECHANICAL ENGINEERING	CBE	$20,000.00	2.00%	10
ENGINEERING CONSTRUCTION MANAGEMENT	CBE	$50,000.00	5.00%	15
ARCHITECTURE	CBE	$50,000.00	5.00%	10
GENERAL ELECTRICAL ENGINEERING	CBE	$30,000.00	3.00%	10
	Total	$250,000.00	25.00%	

Living Wages: YES [ ] NO [X] **Highway:** YES [ ] NO [X] **Heavy Construction:** YES [ ] NO [X]

Responsible Wages: YES [ ] NO [X] **Building:** YES [ ] NO [X]

Responsible Wages and Benefits applies to all construction projects over $100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.

DBDR0090 v. 20100112

Dept. of Small Business Development

Project Worksheet

Project/Contract Title:	UNSOLICITED PROPOSAL FOR DESIGN-BUILD SERVICES FOR ON-SITE CHLORINE GENERATION & EMERGENCY GENERATOR SYSTEMS - PRESTON/HIALEAH AND ALEXANDER ORR, JR. WATER TREATMENT PLANTS (SIC 871)	**RC Date:**	**07/07/2010** 4 -01
Project/Contract No:	UP10-WASD-01 (DESIGN)	**Funding Source:**	**Item No:**
Department:	WATER & SEWER DEPARTMENT	VARIOUS	
Estimated Cost of Project/Bid:	$1,000,000.00		**Resubmittal Date(s):**

REVIEW COMMITTE RECOMMENDATION

Tier 1 Set Aside _____

Set Aside _____ **Level 1** _____ **Level 2** _____ **Level 3** _____

Trade Set Aside (MCC) _____ **Goal** 25% CBE **Bid Preference** _____

No Measure _____ **Deferred** _____ **Selection Factor** _____

Chairperson, Review Committee	7/7/10 Date	County Manager / Designee	7-7-10 Date

DBDR0090 v. 20100112

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MIAMI-DADE COUNTY

Dept. of Small Business Development

Project Worksheet

Project/Contract Title: UNSOLICITED PROPOSAL FOR DESIGN-BUILD SERVICES FOR ON-SITE CHLORINE GENERATION & EMERGENCY GENERATOR SYSTEMS - PRESTON/ HIALEAH AND ALEXANDER ORR, JR. WATER TREATMENT PLANTS (SIC 16)

RC Date: 07/07/2010
4 -02

Project/Contract No: UP10-WASD-01 (CONST.)

Funding Source: VARIOUS

Item No:

Department: WATER & SEWER DEPARTMENT

Resubmittal Date(s):

Estimated Cost of Project/Bid: $54,000,000.00

Description of Project/Bid: TO ESTABLISH A CONTRACT THAT CONSISTS OF THE CONSTRUCTION OF TWO (2) ON-SITE CHLORINE GENERATION (OSG) AND EMERGENCY GENERATOR FACILITIES TO BE LOCATED AT THE ALEXANDER ORR, JR. WATER TREATMENT PLANT (WTP) AND THE JOHN E. PRESTON WTP THAT INCLUDES THE INSTALLATION OF 25,000 LB/DAY OSG FACILITY, BRINE PRETREATMENT & STORAGE FACILITY, EMERGENCY GENERATORS, SITE DEVELOPMENT & YARD PIPING, OSG BUILDING, NEW CHLORINATORS, WASTEWATER TRANSFER PUMPS, ELECTRICAL AND INSTRUMENTATION, STORMWATER MANAGEMENT, LANDSCAPE & IRRIGATION.

Contract Measures Recommendation

Measure	Program	Goal Percent
Goal	CSBE	15.00%

Reasons for Recommendation

An analysis of the factors contained in Section VI C of Administrative Order 3-22 indicate that a goal is appropriate in the trades of Site Development and Yard Piping, OSG Building, Interior Piping and Bridge Crange (Other Heavy and Civil Engineering) and Brine Pretreatment Building and Storage Facility (Commercial and Institutional Building Construction).

CWP Not Applicable: Not in DTA

Analysis for Recommendation of a Goal

Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
Other Heavy and Civil Engineering Construction	CSBE	$3,199,956.30	5.83%	39
Commercial and Institutional Building Construction	CSBE	$5,035,043.70	9.17%	557
Total		$8,235,000.00	15.00%	

Living Wages: YES [ ] NO [X] **Highway:** YES [ ] NO [X] **Heavy Construction:** YES [ ] NO [X]

Responsible Wages: YES [X] NO [ ] **Building:** YES [X] NO [ ]

Responsible Wages and Benefits applies to all construction projects over $100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.

REVIEW COMMITTEE RECOMMENDATION

Tier 1 Set Aside _____

Set Aside _____ Level 1 _____ Level 2 _____ Level 3 _____

Trade Set Aside (MCC) _____ Goal 15% CSBE Bid Preference _____

No Measure _____ Deferred _____ Selection Factor _____

Chairperson, Review Committee — Date 7/7/10

County Manager / Designee — Date 7-7-10

DBDR0090 v. 20100112

OFFICIAL FILE COPY
CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

Memorandum

MIAMI-DADE COUNTY

Date: July 20, 2010

To: Honorable Chairman Dennis C. Moss
and Members, Board of County Commissioners

Agenda Item No. 8(R)(1)(B)

From: George M. Burgess
County Manager

Resolution No. R-814-10

Subject: Resolution accepting the Unsolicited Proposal for On-Site Chlorine Generation and Emergency Generator Systems at the County's Water Treatment Plants

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This item was amended at the July 13, 2010 Government and Operations Committee to correct a scrivener's error under the fiscal impact to reflect the correct total allocated by Water and Sewer Capital Improvement and Multi-Year plan from $61 million to $67.2 million for this project.

RECOMMENDATION

It is recommended that the Board of County Commissioners (Board) adopt the attached resolution accepting the unsolicited proposal to design and build chlorine generation and emergency generators at the County's water treatment plants. After carefully assessing the proposals, it is being recommended that the County accept the proposal and authorize issuance of a competitive solicitation to design and build suitable onsite chlorine generation facilities at the appropriate water facilities.

Kiewit Southern Co. in association with Electrolytic Technologies Corporation and Post, Buckley, Schuh & Jernigan, Inc. (Kiewit) presented the unsolicited proposal to Miami-Dade Water and Sewer Department (WASD) on February 24, 2010. The scope of work consists of designing and constructing two "Klorigen Hybrid Systems" that meet the disinfection criteria at the Alexander Orr Jr., John E. Preston and Hialeah Water Treatment Plants. The systems are designed to operate 24 hours per day, 365 days per year and at full capacity, it is capable of producing up to 25,000 pounds of chlorine equivalent per day.

SCOPE

Water treatment plants are regional facilities with countywide impact. The proposed onsite chlorine generation facilities are to be constructed at the Alexander Orr Jr. Water Treatment Plant located at 6800 SW 87 Avenue in District 7, and the John E. Preston Water Treatment Plant located at 1100 West Second Avenue in District 13. The facility at the Preston plant will also produce the chlorine need for the Hialeah plant.

FISCAL IMPACT/FUNDING SOURCE

The County received the $25,000 processing fee for the unsolicited proposal as required in Section 2-8.1 (K)(3) of the Code of Miami-Dade County. As part of the WASD's facilities planning, the FY 2009-2010 adopted Capital Improvement & Multi-Year Plan included two projects for onsite chlorine generation for a total cost of approximately $67.2 million. The two projects were to be funded from existing water and sewer bond funds and to the extent necessary, from future bond sales. The estimated base price associated with the unsolicited proposal, without options or alternatives, is $59.5 million. There is no additional impact on the current County budget.

TRACK RECORD/MONITOR

WASD's Assistant Director of Water will monitor the design and construction of this project.

BACKGOUND

As part of its facilities planning and homeland security objectives, WASD has been considering developing onsite production of chlorine for water treatment. Onsite production of chlorine minimizes safety risks associated with roadway or rail delivery of chlorine to the treatment plants.

In February 2010, Kiewit Southern Co. in association with Electrolytic Technologies Corporation and Post, Buckley, Schuh & Jernigan, Inc. presented an unsolicited proposal to Miami-Dade Water and Sewer Department (WASD) to design and build the facilities. The scope of the Kiewit proposal is to install two "Klorigen Hybrid Systems" to serve the Alexander Orr Jr., John E. Preston and Hialeah Water Treatment Plants. Kiewit's also proposed accelerating the design, construction, and permitting of the facilities, and financing the projects to be constructed including installation of emergency generators for enhanced system reliability at all three plants.

The proposed facilities and the quality of the chlorine produced will meet the criteria for disinfection at the County's water treatment plants. The systems are capable of producing up to 25,000 pounds of chlorine equivalent per day based at full design system capacity and production rates are scalable to match real time water production demands.

Staff conducted a thorough analysis of the Kiewit proposal and concluded that it meets the acceptance criteria specified in Section 2-8.1 (K)(6) of the Code (see Exhibit A). Therefore it is recommended that the Board accept the proposal for publication and competitive solicitation.

Assistant County Manager

Exhibit "A"

Unsolicited Proposal submitted by Kiewit Southern Co. in association with Electrolytic Technologies Corporation and Post, Buckley, Schuh & Jernigan, Inc.

Project Name: Design/Build of an On-Site Chlorine Generation and Emergency Generator System at the County's Alexander Orr Jr., John E. Preston and Hialeah Water Treatment Plants.

Pursuant to Ordinance 08-79 for an unsolicited proposal to be accepted and forwarded to the Board of County Commissioners for consideration the following criteria must be met:

Section 1 *– The proposed Miami-Dade County project must be in excess of $15 million*

- The base bid for this project is $59,550,000.

Section 3 *– There is a required initial processing fee of $25,000*

- The County has received the initial processing fee of $25,000 from Kiewit Southern Co. in association with Electrolytic Technologies Corporation and Post, Buckley, Schuh & Jernigan, Inc.

Section 6 *– The following 12 factors have been considered to determine whether this unsolicited proposal should be accepted.*

1. *The project must be in the public's best interest*

- The accelerated completion of this project is in the public's best interest for the security advantage of producing on-site chlorine as opposed to having it delivered to the County's water treatment plants, as it is done today. The current practice is subject to natural disasters, safety-related accidents and terrorist acts, which can all interrupt or terminate rail service delivery and increase current insurance rates. In addition, the disinfection systems proposed are consistent with the Chemical Facility Anti-Terrorism Act of 2009/Drinking Water System Security Act of 2009.

2. *The cost of the proposed project and its funding source*

- Cost of the proposed base bid is $59,550,000 without selecting any alternatives.
- The County's budgeted projections for the project in the unsolicited proposal are in the 2009-2010 adopted Capital Improvement & Multi-Year Plan, as shown below. The funding sources for both projects are currently issued water bond proceeds and future anticipated water bond funds.

  1) Project No. 9650031 - $30,000,000 2) Project No. 9650041 - $37,200,000

3. *State whether the proposed project may be accomplished through the use of County resources*

- Currently, WASD does not have the expertise to design and construct this project.

4. *The need for the proposed project*

- The unsolicited proposal is needed to produce on-site chlorine "scalable to match demand" instead of delivering the chlorine to the water treatment plants. There are risks associated with the handling, transportation and storage of chlorine. These are issues the County needs to address and the project proposed in the unsolicited proposal provides a viable solution. Onsite production of chlorine would minimize the possibility of safety-related accidents and/or terrorist attacks which could have long lasting detrimental effects on the health and welfare of Miami-Dade County residents.

5. *The scientific, technical or socio-economic merits of the proposals*

- This unsolicited proposal has socio-economic merits as the project will serve to further protect the safety and welfare of Miami-Dade County residents by allowing the County to become independent of its current business practice of transporting and storing gas chlorine to the water treatment plants. It will also provide additional work to various local firms during this difficult economic period.

6. *The contribution of the proposal to the County's goals and objectives*

- This unsolicited proposal meets the County's goals and objectives by ensuring that the County continues to enhance the security of its citizenry and continues to provide uninterrupted delivery of high quality drinking water to its residents and business owners and to visitors of Miami-Dade County as well as providing for future economic growth and safeguarding the public health and the environment.

7. *The qualifications, technical and management capabilities and experience of the proposer considered as a whole and considered in terms of the legal entities who may comprise the proposer or who may be serving as subcontractor to the proposer*

- The general contractors and subcontractors have provided in the unsolicited proposal the required state and county licenses and certifications for this project. The primary general contractor, Kiewit Southern Co. has been involved in over $500 million in civil infrastructure construction projects throughout Southern Florida including $15 million for Miami-Dade Water and Sewer Department (WASD) and $122 million for the Miami-Dade Aviation Department. Post, Buckley Schuh & Jernigan, Inc. has successfully completed design work of treatment plant projects for WASD for the past thirty years. Electrolytic Technologies Corporation is an expert in the design, supply, construction and operation of the onsite chlorine generation process and has successfully completed multiple projects throughout the United States.

8. *The general reputation and financial condition of the proposer and its team members*

- In a letter, Travelers Casualty and Surety Company of America confirmed its commitment to provide Kiewit Southern Co. with a 100% Performance and Labor and Materials Payment Bonds for this project. The letter also states that Travelers Casualty and Surety Company of America has been doing business with Kiewit Southern Co. for a long period of time with contracts aggregating in the billions of dollars and regards them as one of the outstanding construction organizations in North America with unquestionable financial responsibility.
- Kiewit Southern Co. has a net worth of over $104 million and has no debt. The audited financial statements are available upon request.

9. *The proposer's financial capacity to perform its obligation in the proposed contract*

- The proposer has provided documentation that indicates the following financial capacity to perform its obligations in the proposed contract:
    - Letter dated November 13, 2009 from Travelers Casualty and Surety Company of America. The letter states Kiewit has been authorized to bid individual contracts up to $350 million and a total program of approximately $8 billion.
    - Certified letter dated December 4, 2009 from Kiewit Southern Co.'s Controller verifying its financial capacity.

10. *The financial viability and feasibility of the submitted proposal*

- Based on the letter dated November 13, 2009 from Travelers Casualty and Surety Company of America, the County's adopted 2009- 2010 adopted Multi-Year Plan, and the financial plan proposed by the project team consisting of Kiewit Southern Co. in association with Electrolytic

Technologies Corporation and Post, Buckley, Schuh & Jernigan, Inc., it appears that the submitted proposal is financially viable.

11. *The cost, if any, to the County to proceed with the implementation of the proposal*

- The implementation of this unsolicited proposal will not have any additional cost to the County other than what the project has been budgeted for in the Capital Plan.

12. *Any other information the County deems appropriate for such initial evaluation*

- The unsolicited proposal included sufficient level of information for the evaluation and acceptance of the proposal.

MEMORANDUM

(Revised)

TO: Honorable Chairman Dennis C. Moss and Members, Board of County Commissioners

DATE: July 20, 2010

FROM: R. A. Cuevas, Jr. County Attorney

SUBJECT: Agenda Item No. 8(R)(1)(B)

Please note any items checked.

_____ **"3-Day Rule" for committees applicable if raised**

_____ **6 weeks required between first reading and public hearing**

_____ **4 weeks notification to municipal officials required prior to public hearing**

_____ **Decreases revenues or increases expenditures without balancing budget**

_____ **Budget required**

_____ **Statement of fiscal impact required**

_____ **Ordinance creating a new board requires detailed County Manager's report for public hearing**

_____ **No committee review**

_____ **Applicable legislation requires more than a majority vote (i.e., 2/3's ____, 3/5's ____, unanimous_____) to approve**

✓ **Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required**

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Dennis C. Moss, Chairman **aye**
Jose "Pepe" Diaz, Vice-Chairman **absent**

Bruno A. Barreiro	**aye**	Audrey M. Edmonson	**aye**
Carlos A. Gimenez	**aye**	Sally A. Heyman	**absent**
Barbara J. Jordan	**aye**	Joe A. Martinez	**aye**
Dorrin D. Rolle	**aye**	Natacha Seijas	**aye**
Katy Sorenson	**aye**	Rebeca Sosa	**absent**
Sen. Javier D. Souto	**aye**		

The Chairperson thereupon declared the resolution duly passed and adopted this 20th day of July, 2010. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: **DIANE COLLINS**
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency. SED

Sarah E. Davis

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