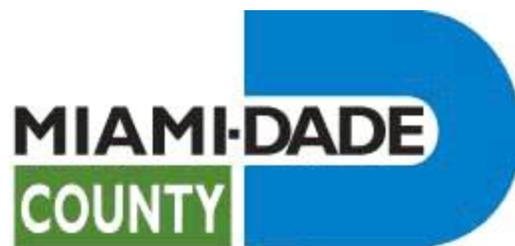


Solicitation FB-00074

**CHILLERS AND WATER TREATMENT SERVICE
CONTRACT**

Bid designation: Public



Miami-Dade County

Bid FB-00074

CHILLERS AND WATER TREATMENT SERVICE CONTRACT

Bid Number **FB-00074**
 Bid Title **CHILLERS AND WATER TREATMENT SERVICE CONTRACT**

Bid Start Date **In Held**
 Bid End Date **Jun 18, 2014 6:00:00 PM EDT**
 Question & Answer End Date **Jun 11, 2014 6:00:00 PM EDT**

Bid Contact **Yuly Chaux**
305-375-4263
ychaux@miamidade.gov

Contract Duration **6 years**
 Contract Renewal **Not Applicable**
 Prices Good for **Not Applicable**
 Pre-Bid Conference **May 28, 2014 10:00:00 AM EDT**
Attendance is optional
Location: Stephen P. Clark Center
111 NW 1ST Street, Conference Room 18-3
Miami, FI 33128

Bid Comments

The purpose of this solicitation is to establish a full service contract to provide all necessary labor, transportation, material and equipment to furnish a comprehensive program of, inspections, testing, preventive maintenance, emergency repair, routine repair, and water treatment services for air conditioning chiller and related HVAC equipment.

Section 4 Bidder minimum requirements, and Section 4 Bid Submittal were created using Microsoft Excel 2010 . It is recommended to use the same version to properly open the document. These two documents must be uploaded as Excel Files, along with the required copies requested in section 2.4.

Item Response Form

Item **FB-00074--01-01 - Please see excel Bid Sheet**

Quantity **1 each**

Prices are not requested for this item.

Delivery Location **Miami-Dade County**
No Location Specified

Qty 1

Description

Please see excel Bid Sheet

BID NO.: FB-00074
OPENING: 6:00 P.M.
CHILLERS AND WATER TREATMENT SERVICE
CONTRACT
Jun 18, 2014



MIAMI-DADE COUNTY, FLORIDA

I N V I T A T I O N
T O B I D

TITLE:
CHILLERS AND WATER TREATMENT SERVICE CONTRACT

BIDS WILL BE ACCEPTED UNTIL 6:00 PM
ON Jun 18, 2014

FOR INFORMATION CONTACT:
Yuly Chaux, 305-375-4263, ychaux@miamidade.gov

IMPORTANT NOTICE TO BIDDERS/PROPOSERS:

- READ THE ENTIRE SOLICITATION DOCUMENT, THE GENERAL TERMS AND CONDITIONS, AND HANDLE ALL QUESTIONS IN ACCORDANCE WITH THE TERMS OUTLINED IN PARAGRAPH 1.2(D) OF THE GENERAL TERMS AND CONDITIONS.
- THE SOLICITATION SUBMITTAL FORM CONTAINS IMPORTANT INFORMATION THAT REQUIRES REVIEW AND COMPLETION BY ANY BIDDER/PROPOSER RESPONDING TO THIS SOLICITATION.
- THE SOLICITATION SUBMITTAL FORM CONTAINS IMPORTANT INFORMATION THAT REQUIRES REVIEW AND COMPLETION BY ANY BIDDER/PROPOSER RESPONDING TO THIS SOLICITATION.



SECTION 1

GENERAL TERMS AND CONDITIONS:

All general terms and conditions of Miami-Dade County Procurement Contracts are posted online. Bidders/Proposers that receive an award from Miami-Dade County through Miami-Dade County's competitive procurement process must anticipate the inclusion of these requirements in the resultant Contract. These standard general terms and conditions are considered non-negotiable subject to the County's final approval.

All applicable terms and conditions pertaining to this solicitation and resultant contract may be viewed online at the Miami-Dade County Procurement Management website by clicking on the below link:

<http://www.miamidade.gov/procurement/library/boilerplate/general-terms-and-conditions-r14-2.pdf>

NOTICE TO ALL BIDDERS/PROPOSERS:

Electronic bids are to be submitted through a secure mailbox at BidSync (www.bidsync.com) until the date and time as indicated in this Solicitation document. It is the sole responsibility of the Bidder/Proposer to ensure their proposal reaches BidSync before the Solicitation closing date and time. There is no cost to the Bidder/Proposer to submit a proposal in response to a Miami-Dade County solicitation via BidSync. Electronic proposal submissions may require the uploading of electronic attachments. The submission of attachments containing embedded documents or proprietary file extensions is prohibited. All documents should be attached as separate files.

For information concerning technical specifications please utilize the question/answer feature provided by BidSync at www.bidsync.com within the solicitation. Questions of a material nature must be received prior to the cut-off date specified in the solicitation. Material changes, if any, to the solicitation terms, scope of services, or bidding procedures will only be transmitted by written addendum. (See addendum section of BidSync site).

Please allow sufficient time to complete the online forms and upload of all proposal documents. Bidders/Proposers should not wait until the last minute to submit a proposal. The deadline for submitting information and documents will end at the closing time indicated in the solicitation. All information and documents must be fully entered, uploaded, acknowledged (Confirm) and recorded into BidSync before the closing time or the system will stop the process and the response will be considered late and will not be accepted.

PLEASE NOTE THE FOLLOWING:

No part of your proposal can be submitted via **HARDCOPY, EMAIL, OR FAX**. No variation in price or conditions shall be permitted based upon a claim of ignorance. Submission of a proposal will be considered evidence that the Bidder/Proposer has familiarized themselves with the nature and extent of the work, and the equipment, materials, and labor required. The entire proposal response must be submitted in accordance with all specifications contained in the solicitation electronically.

SECTION 2 - SPECIAL TERMS AND CONDITIONS**2.1 PURPOSE**

The purpose of this solicitation is to establish a full service contract to provide all necessary labor, transportation, material and equipment to furnish a comprehensive program of, inspections, testing, preventive maintenance, emergency repair, routine repair, and water treatment services for air conditioning chiller and related HVAC equipment.

2.2 PRE-BID CONFERENCE (HIGHLY RECOMMENDED)

A pre-bid conference will be held on Wednesday, May 28, 2014 at 10:00 A.M. at Stephen P. Clark Center, 111 NW 1st Street, Miami, FL 33128 in Conference Room 18-3. It is recommended that a representative(s) of the firm attend this conference as the “cone of silence” will be lifted during the course of the conference, and special conditions and specifications included within this solicitation will be discussed.

Bidders are requested to bring this solicitation document to the conference, as additional copies may not be available.

2.3 TERM OF CONTRACT: SIX YEARS

This contract shall commence on the first calendar day of the month succeeding approval of the contract by the Board of County commissioners, or designee, unless otherwise stipulated in the Notice of Award Letter which is distributed by the County’s Internal Services Department, Procurement Management Division; and contingent upon the completion and submittal of all required bid documents. The contract shall remain in effect for six (6) years, and shall expire on the last day of the last month of the contract term.

2.4 METHOD OF AWARD

Award of this contract will be made to the lowest responsive, responsible bidder per group. To be considered for award, the bidder shall offer prices for all items and years listed in each group. The County will then select the bidder whose offer represents the lowest grand total per group, and who meet the minimum requirements listed below. If a bidder fails to submit an offer for all items within the group, its offer for that specific group may be rejected. Bidders shall provide the total annual cost, inclusive of all necessary labor, transportation, material and equipment to furnish a comprehensive program of, inspections, testing, preventive maintenance (PM), emergency repair, routine repair, boiler and water treatment services necessary to keep the equipment in operating condition within OEM specifications throughout the life of this contract.

Failure of any bidder to perform in accordance with the terms and conditions of the contract may result in the bidder(s) being deemed in breach of contract. The County may terminate the contract for default and charge the successful bidder(s) re-procurement costs, if applicable.

Bidder Requirements

Bidder(s) shall submit with their bid all specified information, documents and attachments as proof of compliance to the minimum qualification requirements; however, Miami-Dade County, may at its sole discretion, allow the bidder to complete or supplement the qualification requirements information/documents

SOLICITATION TITLE: Chillers / Water Treatment – Service Contract**SOLICITATION NO.:**

during the evaluation process. The County may request additional evidence from the bidder(s) to ensure, to its satisfaction, that the bidder is in fact qualified to perform the required work.

Failure to provide proof of compliance to the minimum qualification requirements, as specified by the County, may result in the bidder bid being deemed non-responsive. The County shall be sole judge of the bidder's conformance to the minimum requirements and its decision shall be final.

- A. Bidder(s) must be a State of Florida Mechanical or Class "A" Air Conditioning Contractor. Copy of either license shall be provided with the bid submittal.
- B. Bidder must have certified technicians performing the work specified herein. Copies of Certificates of Competency as a Journeyman in the General Mechanical Category issued by Miami-Dade County or Broward County for each technician shall be provided with the bid submittal.
- C. Bidder(s) technicians shall have successfully completed the EPA Universal Refrigerant Transition and Recovery Certification Program and shall be so certified. Copies of all technicians EPA universal certifications shall be provided with the bid submittal.
- D. Bidder shall submit a copy of the current Stratospheric Ozone Protection (APCF) permit to purchase refrigerants issued by Miami Dade County Regulatory and Economic Resources Department.
- E. Bidder(s) or bidder's subcontractor shall submit the name(s) of technician(s) who will be performing and evaluating the Eddy Current Testing. The technician(s) performing Eddy Current Tests shall be ASNT NDT Level II Certified. The technician(s) evaluating Eddy Current Tests shall be ASNT NDT Level III Certified. Copies of the certificates shall be provided with the bid submittal.
- F. The bidder or bidder's subcontractor performing oil analysis test and evaluation of oil samples must have a demonstrated 5-year minimum of experience performing oil analysis. As evidence, the bidder or bidder's subcontractor is required to provide at least three (3) letters of reference from their clients including dates of service, and statement of work performed. Reference letters are to be submitted on client's letterhead and must clearly state the length of time services similar to those described throughout this solicitation. The references shall ascertain to the County's satisfaction that the bidder or bidder's subcontractor has sufficient expertise in performing oil analysis. The County, at its sole discretion, may choose to request additional information to assess the bidder's experience.
- G. The bidder or bidder's subcontractor performing water treatment services to County equipment must have a demonstrated 5-year minimum water treatment experience. As evidence bidder or bidder's subcontractor are required to provide at least three (3) letters of reference from their clients including dates of service, and statement of work performed. Reference letters are to be submitted on client's letterhead and must clearly state the length of time services similar to those described throughout this solicitation. The references shall ascertain to the County's satisfaction that the bidder has sufficient expertise in water treatment. The County, at its sole discretion, may choose to request additional information to assess the bidder or bidder's subcontractor's experience.
- H. The bidder or bidder's subcontractor performing water treatment services to County equipment must have at minimum, one staff member holding an engineering degree. As evidence bidder or bidder's subcontractor must submit a copy of their diploma or official transcripts indicating the degree received.

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- I. The bidder(s) shall maintain offices, shop facilities, and personnel located in Miami-Dade or Broward and shall provide a copy of their local business tax certificate as proof of office location.

The successful bidder(s) and bidder's subcontractors must maintain all licenses, certificates and qualifications during the contract period. Should the successful bidder(s) replace personnel during the contract period, the new personnel must meet the same qualifications and credentials as those identified in this section.

2.5 PRICES

The prices proposed by the bidder shall remain **fixed and firm** for the term of the contract, including the hourly rates and mark-up percentage provided in Section 4. The County reserves the right to negotiate lower pricing based on market research information or other factors that influence price.

2.6 METHOD OF PAYMENT

In addition to the terms and conditions stated in section 1.2.H – Prompt Payment Terms, and 1.34 Invoices. The County will pay the successful bidder's annual price listed in section 4 in 12 equal monthly installments.

No invoices shall be approved for payment unless the County has received all required reports listed in section 3.7 – Records Management.

2.7 EXAMINATION OF COUNTY FACILITIES AND COUNTY EQUIPMENT (RECOMMENDED)

Bidder(s) are advised to carefully examine the requirements and specifications in this solicitation, and to become thoroughly aware regarding any and all conditions and requirements that may in any manner affect the work to be performed under the contract. No additional allowances will be made because of lack of knowledge of these conditions. It shall be the responsibility of the bidder(s) to examine the equipment and facility prior to submittal of their bid. Please review **Attachment A for the Site Visit Schedule**.

Note: Site visits to the buildings listed in Groups 23 and 38 will be scheduled at bidder's request.

Failure or omission of the bidder(s) to review any instructions or documents, or any part of the specifications, or to visit the facility and become acquainted with the nature and location of the work, the general and local conditions and all matters which may in any way affect performance shall not relieve the bidder(s) of any obligation to perform as specified herein.

Note: an X indicates the type of service each group will require.

Group	Department	Location	Services		
			Chiller Services	*Cooling towers	Water Treatment
1	Transit	William Lehman Facility 6601 NW 72 Ave. 33166	X		X
2	Transit	Central Administration Bldg. 3300 NW 32 Ave. 33142	X		X

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3	Police	Police Dept. Bldg. 9105 NW 25 St. 33172	X		X
4	Corrections & Rehabilitation	Women Detention Center 1401 NW 7 Ave. 33136	X		X
5	Corrections & Rehabilitation	Tuner Guilford Knight Detention 7000 NW 41 St. 33166	X		X
6	Corrections & Rehabilitation	Pre-trial Detention Center 1321 NW 13 St. 33125	X		X
7	Parks & Recreation	Miami Metro Zoo 12400 SW 152 St. 33177	X		X
8	Parks & Recreation	Country Club of Miami 6801 Miami Gardens Dr. 33015	X		X
9	Parks & Recreation	Deering Estates 16701 SW 72 Ave. 33157	X		X
10	Parks & Recreation	Crandon Tennis Center 7300 Crandon Blvd. 33149		X	X
11	Seaport	Terminal B & C 1740 N. Cruise Blvd. 33132	X		X
12	Seaport	Terminal F & G	X		X
13	Seaport	1080 RCCL Bldg. 1080 Caribbean Way. 33132	X		X
14	Seaport	1050 RCCL Bldg. 1050 Caribbean Way. 33132	X		X
15	Seaport	Terminal D 1265 N. Cruise Blvd. 33132	X		X
16	Seaport	Terminal E 1435 N. Cruise Blvd. 33132	X		X
17	Seaport	1001 & 1015 Bldgs.	X		X
18	Seaport	Terminal H	X		X
19	Seaport	1007 Bldg.	X		X
20	Seaport	Terminal J	X		X
21	Public Housing	Robert King High Towers 1407 NW 7 th St. 33125	X		X
22	Public Housing	Harry Cain Towers 490 NE 2 nd Ave. 33132	X		X
23	Cultural Affairs	Dade County Auditorium 2901 W Flagler St. 33135			X
24	Internal Services	Graham Building 1350 NW 12 Ave. 33136	X		
25	Internal Services	Joseph Caleb Center 5400 NW 22 Ave. 33142	X		X
26	Internal Services	Central Support Facility 200 NW 1 st St. 33128	X		X
27	Internal Services	North District Chiller Plant 1110 NE 1 st Ave. 33132	X		X

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28	Internal Services	Medical Examiner's Bldg. 1 Bob Hope Road. 33136	X		X
29	Internal Services	North Dade Justice Bldg. 15555 Biscayne Blvd.33160	X		X
30	Internal Services	Metro Justice Bldg. 1351 NW 12 St. 33125	X		X
31	Internal Services	South Dade Government Bldg. 10740 SW 288 St. 33033	X		
32	Internal Services	John D. Campbell Center 18710 SW 288 St. 33030	X		X
33	Internal Services	South Dade Regional Library 10750 SW 211 St. 33189	X		X
34	Internal Services	Record Center 9312 NW 12 St. 33172	X		X
35	Internal Services	Metro-Dade Annex Building 864 NW 23 rd St. 33142	X		X
36	Internal Services	Hialeah Court House 11 East 6 St. 33010	X		
37	Internal Services	Data Center 5680 SW 87 Ave. 33173	X		X
38	Internal Services	<ol style="list-style-type: none"> 1. Coral Gables Library 343 Segovia St. 2. DC Jail 1350 NW 7th St. 3. MD Fire Rescue HQ 9300 NW 41st St. 4. MDTA Bus Yard 32 Ave NW 30 St. 5. MDTA Rapid Transit 72 Ave & 67 St. 6. Metro West – N & S 13841 NW 41 St. 7. Miami Beach Library 2100 Collins Ave 8. Miami Lakes Library 6699 Windmill 9. S. Miami Library 6000 Sunset Dr. 10. W.D. Regional Library 9445 Coral Way 11. Naranja Library 14850 SW 280 St. 12. Kendall Lakes Library 15205 SW 88th St. 13. International Mall Library 10315 NW 12th St. 14. Coral Reef Library 9211 Coral Reef Dr. 15. Golden Glades Library 100 NE 166th St. 			X X X X X X X X X X X X X X X

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		16. North East Library 2930 Aventura Blvd.			X
		17. Arcola Lakes Library 8240 NW 7 th Ave.			X
		18. Stephen P. Clark Center 111 NW 1 st St.			X
		19. 140 West Flagler St.			X
		20. Court House Center 175 NW 1 st Ave			X
		21. Cultural Center 101 West Flagler St.			X
		22. Hickman Building 275 NW 3 rd St.			X
		23. OTV 1			X
		24. OTV 2			X

2.8 INDEMNIFICATION AND INSURANCE

The Contractor shall furnish to the Internal Services Department / Procurement Management Services Division, 111 NW 1st Street, Suite 1300, Miami, Florida 33128-1989, Certificate(s) of Insurance which indicate that insurance coverage has been obtained which meets the requirements as outlined below:

- A. Worker’s Compensation Insurance for all employees of the Contractor as required by Florida Statute 440.
- B. Commercial General Liability Insurance on a comprehensive basis in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage. **Miami-Dade County must be shown as an additional insured with respect to this coverage.**
- C. Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the work, in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage.

All insurance policies required above shall be issued by companies authorized to do business under the laws of the State of Florida, with the following qualifications:

The company must be rated no less than “A-” as to management, and no less than “Class VII” as to financial strength by A.M. Best Company, Oldwick, New Jersey, or its equivalent, subject to the approval of the County Risk Management Division.

or

The company must hold a valid Florida Certificate of Authority as shown in the latest “List of All Insurance Companies Authorized or Approved to Do Business in Florida” issued by the State of Florida Department of Financial Services.

NOTE: CERTIFICATE HOLDER MUST READ: MIAMI-DADE COUNTY
111 NW 1st STREET, SUITE 2340 MIAMI, FL 33128

2.9 NO PRE-EXISTING WARRANTY

The majority of the equipment covered under this contract is not covered under any type of warranty. The successful bidder is solely responsible for all covered equipment from the date of award. The bidder shall be fully responsible for all of the equipment “as is”.

2.10 WARRANTY REQUIREMENTS

In addition to all other warranties that may be supplied for good purchased from the OEM, the successful bidder(s) shall warrant its services against faulty labor for a minimum period of one (1) full year after the date of acceptance of the labor, materials and or equipment by the County. This warranty requirement shall remain in force for the full one (1) year period; regardless of whether the successful bidder is under contract with the County at the time of defect. Any payment by the County for the goods and services does not constitute a waiver of these warranty provisions.

All repair and/or replacement parts supplied by the successful bidder(s) shall be warranted for a minimum period of one (1) full year after the parts have been installed in County equipment.

2.11 OMISSIONS FROM THE SPECIFICATIONS

The apparent silence regarding any details omission from the specification of a detailed description concerning any point shall not negate or infringe on the prime objective of this contract, which is to have all equipment at the specified facilities in operating condition, in accordance with OEM specifications throughout the life of this contract. Only the best industrial prices are to prevail, and only materials and professional workmanship of the highest quality are to be used. All interpretation of these specifications shall be made upon the basis of this understanding.

2.12 PARTS

All replacement parts shall be subject to the approval of the County. The County may, at its sole discretion, specify the parts and materials to be used to perform any work or service rendered under this contract.

All parts and materials provided under this agreement shall be new or factory rebuilt, Original Equipment Manufacturer (OEM), free from defects, guaranteed suitable for their particular designed purpose. Non-OEM parts shall not be used, unless the successful bidder has prior approval from the County Project manager.

The successful bidder at their own expense shall obtain parts in the most expeditious manner available, which includes overnight air shipping and special fast track ordering.

2.13 REPAIRS DUE TO FORCE MAJEURE

Although this is a full service contract for A/C Chillers and Related Equipment, it is hereby agreed and understood that the County may require additional repairs due to force majeure. Force majeure include: an act of nature, war, hurricane, riot, sovereign conduct, or verifiable vandalism.

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When a repair is required under these circumstances, the County shall pay the successful bidder the hourly rate(s) provided in Section 4, the hourly rate(s) quoted shall be deemed to provide full compensation to the bidder for labor, equipment use, and travel time. The cost of parts and materials shall be paid on a cost "pass-thru" basis. The successful bidder shall charge the County the same invoice prices he or she is charged by his or her supplier. A copy of the successful bidder's invoice from the supplier for parts shall be submitted with the successful bidder's invoice for payment. In cases where the successful bidder manufactures its own parts, the bidder will charge the County a price no higher than he or she charges his or her most favored customer. The County reserves the right to request verification.

2.14 CONTACT PERSON

For any additional information regarding the terms and conditions of this solicitation and resultant contract, Contact: Yuly Chaux-Ramirez, at (305) 375-4263 or via e-mail at ychaux@miamidade.gov

2.15 CLEAN-UP

All unusable materials and debris shall be removed from the premises at the end of each workday, and disposed of in an appropriate manner. Upon final completion, the successful bidder shall thoroughly clean up all areas where work has been involved as mutually agreed with the affected Department Project Manager.

2.16 COMPLIANCE AND REGULATIONS**A. Accident Prevention and Barricades:**

Precautions shall be exercised at all times for the protection of persons and property. All bidders performing services under this contract shall conform to all relevant OSHA, State and County regulations during the course of such effort. Any fines levied by the above mentioned authorities for failure to comply with these requirements shall be born solely by the responsible successful bidder. Barricades shall be provided by the successful bidder when work is performed in areas traversed by persons, or when deemed necessary by the County Department Project Manager.

B. Protection of Property:

All existing structures, utilities, services, roads, trees, shrubbery, etc. shall be protected against damage or interrupted services at all times by the successful bidder(s) during the term of this contract. The successful bidder(s) shall be held responsible for repairing or replacing property to the satisfaction of the County should it be damaged by reason of the bidder's operation on the property.

C. Personnel Identification:

All personnel employed by the successful bidder(s), including any subcontractor and subcontractor's employees when applicable, shall display at all times an identification badge which shall include the employee's name, the employer's name and either a physical description or a photograph of the employee.

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D. Compliance with Local, State and Federal Standards and Regulations:

All products to be provided under this contract shall be in accordance with all governmental standards, regulations and codes to include, but not be limited to, those issued by the Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety Hazards (NIOSH), and the National Fire Protection Association (NFPA).

E. Legal Requirement for Pollution Control:

It is the intent of these specifications to comply with the Miami-Dade County Pollution Control Ordinance as stated in Chapter 24 of the Miami-Dade Code. This ordinance is made a part of these specifications by reference and may be obtained, if necessary, by the bidder through the Department of Regulatory and Economic Resources.

F. Disposal of Wastewater and Hazard Waste:

Wastes may be generated at various County facilities after draining or flushing out a chiller system onsite. Any such wastes must be discharged to sanitary sewers only if the waste meets sewer standards and only with the approval of the County facility's manager. If sewers are not available, if the waste does not meet standards, or if a discharge approval is not granted, the bidder must arrange for offsite disposal at a permitted wastewater disposal facility.

In the event that hazardous waste is generated as defined by U.S Environmental Protection Agency, or the Florida Department of Environmental Protection, it must be disposed in conformance with all local, State, and Federal laws.

2.17 ADDITION/ DELETION OF EQUIPMENT, FACILITIES AND SERVICES

A. Additional Equipment and/ or Facilities

Although this contract identifies specific equipment and facilities to be serviced, it is hereby agreed and understood that the County may at its option add new equipment after successful installation and start-up, and/or facilities to the contract. Should the County determine that additional equipment need to be added to a facility, a quote shall be obtained from the bidder servicing that facility. If an additional facility needs to be added to the contract, price quotes will be obtained from all the successful bidders.

B. Facility Modification

Should a facility increase or decrease in size or equipment, price quotes shall be obtained for the modification from the bidder servicing that facility. If the price submitted by the Bidder for the modification is not competitive, the County shall obtain price quotes from all the successful Bidders for the entire facility including the modified portion.

SOLICITATION TITLE: Chillers / Water Treatment – Service Contract**SOLICITATION NO.:****C. Deletion**

Facilities or equipment may be deleted when such services are no longer required during the contract period; upon written notice to the Bidder.

D. Increase/Decrease Service

The County may increase or decrease the frequency or types of services that are listed in Section 4, Bid Submittal Form. If the frequency or types of services are reduced to less than the amount stated in Section 4, the County will negotiate with the Bidder and if the negotiated price is competitive the County will adjust prices for the next payment. If the County determines that the negotiated price is not competitive, price quotes will be obtained from all the successful Bidders. If the County determines that the negotiated prices are not competitive, the County reserves the right of acquiring the services through a separate solicitation.

Any changes shall be added to this contract by formal modification of the award sheet.

2.18 SUB-CONTRACTING

The successful bidder shall be the primary service provider. Successful bidder(s) will be permitted to sub-contract portions of the work to competent sub-contractors, for water treatment services, Eddy Current Testing, Oil Analysis, electrical work, pipe welding, insulation, crane services and for other trades except HVAC. The company name, contact person and a copy of their license/certificate shall be submitted to the Internal Services Department, Procurement Management Division for approval. The sub-contractors are the responsibility of the successful bidder(s) and not the County. All sub-contractors performing work for the County shall be duly licensed prior to commencement of any work during the contract period.

Successful bidder(s) shall be fully responsible to the County for acts and omissions of the sub-contractors and persons employed by them, as they are for acts and omissions of persons directly employed by them.

Any work or service to be performed by a subcontractor must have the prior approval of the County. The County reserves the right to approve, disapprove or dismiss any sub-contractors. Rejection of any subcontractor shall not entitle the successful bidder adjustment of bid prices. The successful bidder shall inform the County prior to scheduling any subcontractor's visit to any County facility.

Failure by the successful bidder to have a subcontractor approved by Miami Dade County will not relieve the bidder of the responsibility to meet, comply with, and fulfill all of the terms and conditions of this contract.

Nothing contained in this bid solicitation shall be construed to create any contractual relationship between any sub-contractor and the County.

2.19 MIAMI-DADE COUNTY RESPONSIBLE WAGES

If the total contract value, exceeds \$100,000 the provisions of Section 2-1.16 (Responsible Wages) of the Code of Miami-Dade County (Code) as amended by Ordinance [Governing Legislation], will apply. A copy of this Code Section may be obtained online at www.miamidade.gov . A copy of the Ordinance may be obtained online at <http://www.miamidade.gov/business/library/ordinances/responsible-wage-code.pdf>. A

SOLICITATION TITLE: Chillers / Water Treatment – Service Contract

SOLICITATION NO.:

copy of the Responsible Wages and Benefits Reports may be obtained online at <http://www.miamidade.gov/business/reports-wages.asp#0>

2.20 EXEMPTIONS FOR FEDERALLY FUNDED ENTITIES

The contract to be awarded under this solicitation will be accessed by federally-funded departments. As federally-funded agencies, certain clauses within this Solicitation do not apply: Section 1 Paragraph 1.10 (Local Preference), Section 1 Paragraph 1.27 (Office of the Inspector General), Section 1 Paragraph 1.43 (Small Business Contract Measures), Section 1 Paragraph 1.35 (County User Access Program – UAP), and Section 1 Paragraph 1.44 (Disable Veteran's Business Preference).

2.21 AUXILIARY EQUIPMENT

Bidder(s) shall provide twenty-four (24) hours, 7 days a week services to the auxiliary equipment located at each awarded facility. Auxiliary equipment under this contract is considered to be any equipment not listed in Section 4 of this bid, but that is part of all of the air-conditioning and water treatment equipment including but not limited to the cooling tower HVAC, structural components, chilled water pumps and associated piping located at the awarded facility. Services to auxiliary equipment shall be obtained from the bidder servicing that facility, and will be paid at the hourly rate(s) provided in Section 4 when performed Monday through Friday between the hours of 8:00 a.m. to 5:00 p.m., including County observed holidays; and at time and a half (1- ½) when performed at any other time, including County observed holidays. The hourly rate(s) shall be deemed to provide full compensation to the bidder for labor, equipment use, and travel time. The cost of parts and materials shall not exceed a 10% mark-up from the bidder's actual cost. If requested, damaged or worn parts shall be submitted for inspection to the County.

If an excess is reported in a bidder's estimate, the bidder may be ineligible for award of that specific order. The bidder shall supply proof of purchase invoice copy for all purchased parts and materials. The actual charge to the County from a successful bidder(s) for a specific project shall not exceed ten percent (10%) of the bidder's initial estimate without the expressed prior approval from the County. If the County determines that the price submitted by the bidder is not competitive, the County reserves the right of acquiring the services through a separate solicitation.

Emergency service response time shall be within two (2) hours after notification by the County.

2.22 EXCLUDED SERVICES

Maintenance and repair of controls which are part of the Building Management System. However, the successful bidder(s) should inspect the controls as specified in section 3.6.2.A.1 and if any deficiencies are identified, the bidder shall immediately notify the County Project Manager.

2.23 EXEMPTIONS FROM SECTION 1 – GENERAL TERMS AND CONDITIONS

The following clause within this Solicitation does not apply for any department or group: Section 1 Paragraph 1.43 Small Business Contract Measures.

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2.24 COMPLIANCE WITH FEDERAL REGULATIONS DUE TO USE OF FEDERAL FUNDING - Requirements for Public Housing and Community Development Department (groups 21 and 22)

Since the services that will be acquired under this solicitation will be purchased, in part or in whole, with federal funding, it is hereby agreed and understood that Section 60-250.4, Section 60-250.5 and Section 60-741.4 of Title 41 of the United States Code, which addresses Affirmative Action Requirements for disabled workers, is incorporated into this solicitation and resultant contract by reference.

2.25 SECTION 3 OF THE HUD ACT OF 1968 - Requirements for Public Housing and Community Development Department (groups 21 and 22)

Section 3 is a provision of the United States Department of Housing and Urban Development (USHUD) Act of 1968 that helps foster local economic development, neighborhood economic improvement and individual self-sufficiency. Section 3 is to ensure that economic opportunities generated by certain HUD funded projects shall, to the greatest extent feasible, and consistent with existing Federal and State laws, be directed to low and very low income persons (Section 3 residents), and to the businesses (Section 3 businesses) that provided economic opportunities to these persons.

Services acquired by the Public Housing and Community Development Department will be governed by Section 3 guidelines. Section 3 requires that job training, employment and contracting opportunities be directed toward low and very-low income persons and to businesses that provide economic opportunities to those persons.

All bidders are required to execute and submit Document 00400, "Section 3 Economic Opportunity and Affirmative Marketing Plan (Plan)", with the bid (Attachment 1). An executed Plan document is the bidder's certification that he or she will take all necessary affirmative marketing steps required, in connection with each PHCD project award, to (a) meet Section 3 training and employment goals, where feasible, when filling vacant or new positions resulting from PHCD awards, and also seek to recruit qualified minorities and women to fill vacant or new positions resulting from PHCD awards, and (b) meet Section subcontracting goals and ensure small, minority and women subcontractors are used (where subcontracting is permitted).

2.26 MIAMI-DADE HOUSING MINIMUM WAGES BASED ON THE DAVIS BACON ACT - Requirements for Public Housing and Community Development Department (groups 21 and 22)

Since this solicitation is being processed in conjunction with federal funding, the wage rate paid to all classifications of employees of the vendor for the work under this solicitation shall not be less than the prevailing wage rates for similar classification of work in Dade County, Florida, as established in the Federal Area Wage Decision by the United States Department of Labor. Additionally, all federal regulations and statutes adopted by U.S. Department of Labor as a result of the Davis Bacon Act shall prevail during the term of this term of this contract. The vendor shall comply with the regulations of the Davis Bacon Act, pay wages in accordance with the act, submit to the County certify copies of their payroll whenever requested, allow the County to performs interviews to their work force and allow the County to inspect their payrolls as it may deem necessary. The above agreement shall be used only when federal funds are utilized for specific project not exceeding \$50,000.00 each. SUBCONTRACTORS – RACE, GENDER AND ETHNIC MAKEUP OF OWNERS AND EMPLOYEES Pursuant to Sections 2-8.1, 2-8.8 and 10.34 of the County Code (as amended by Ordinance No. 11-90), for all contracts which involve the expenditure of one hundred

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thousand dollars (\$100,000) or more, the entity contracting with the County must report to the County the race, gender and ethnic origin of the owners and employees of its first tier subcontractors using the Subcontractor/Supplier Listing form. In the event that the successful bidder demonstrates to the County prior to award that the race, gender and ethnic information is not reasonably available at that time, the successful bidder shall be obligated by contract to exercise diligent efforts to obtain that information and to provide the same to the County not later than ten (10) days after it becomes available and, in any event, prior to final payment under the contract.



SECTION 3 – TECHNICAL SPECIFICATIONS**3.1 PURPOSE**

The purpose of this solicitation is to establish a full service contract for air conditioning chiller systems and related HVAC equipment.

A. Scope of Work:

The successful bidder shall regularly and systematically inspect the A/C chillers, towers, pumps, chiller air compressor stations and pneumatic refrigerant monitors in accordance with factory prescribed and pre-approved maintenance checklists and, as conditions warrant, adjust, lubricate, clean, repair or replace such parts and mechanisms necessary to render complete maintenance services and keep the A.C Chillers, and cooling towers listed in section 4 functioning properly in a safe operating condition.

3.2 QUALITY ASSURANCE**A. Chillers - Initial Inspection:**

The successful bidder(s) within the first sixty (60) days of the contract shall report back to the department all deficiencies found after the initial inspection. If the successful bidder is also the previous bidder servicing the equipment on the previous contract, all deficiencies shall be repaired at the successful bidder's expense. If the successful bidder is not the previous bidder servicing the equipment on the previous contract, the County will contact the previous bidder to bring the equipment to OEM standards. If the facility and/or equipment were not included in the previous contract, the County shall pay the successful bidder the hourly rate(s) provided in Section 4, the hourly rate(s) quoted shall be deemed to provide full compensation to the bidder for labor, equipment use, and travel time. The cost of parts and materials shall be paid on a cost "pass-thru" basis. The successful bidder shall charge the County the same invoice prices he or she is charged by his or her supplier. A copy of the successful bidder's invoice from the supplier for parts shall be submitted with the successful bidder's invoice for payment. In cases where the successful bidder manufactures its own parts, the bidder will charge the County a price no higher than he or she charges his or her most favored customer. The County reserves the right to request verification.

B. Emergency Response:

An emergency is an unexpected situation or occurrence that develops due to system failure, power loss, acts of nature or any life threatening situation for building occupancy, or as declared at the sole discretion of a County Project manager.

Where an emergency is deemed to exist by the County, the successful bidder shall be required to respond upon a verbal or written notification. This response must result in the arrival of technicians at the affected facility within two (2) hours of notification, 24 hours a day, 7 days a week, 365 days a year, all year.

C. Routine Service:

Routine Services such as, preventive maintenance inspections and water treatment services will be initiated by the successful bidder in accordance with OEM specifications and the terms of this contract.

Routine Services will be scheduled so as to minimize any loss of air conditioning. The successful bidder

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shall make every effort to schedule the work, in order to avoid disruption of the facility operations.

D. Multiple Locations:

The successful bidder(s) shall have the capability to simultaneously perform all work described herein at multiple site locations throughout Miami-Dade County on a timely basis.

E. Notification Prior To Commencement of Work:

The County will give a minimum lead time of two (2) calendar days to the successful bidder(s) prior to the desired starting date for any specific assignment different from the routine services; provided however, that such notification shall be superseded by any emergency work that may be required in accordance with provision included elsewhere in this solicitation and resultant contract. When possible, longer lead times will be given.

F. System Failure:

It shall be considered the successful bidder(s) responsibility to have made prior arrangements for the appropriate temporary cooling systems to be available in the event they are required during the contract term. The successful bidder shall make every effort to expedite the service and minimize the disruption (the cooling effectiveness) to the location being serviced and shall employ every ordinary and extraordinary effort to minimize loss of air conditioning effect including renting, connecting and bringing online temporary equipment (chiller and/or cooling towers) within (4) hours of notification by Miami Dade County determining there will be a delay in providing service restoration of the cooling system.

In the event of a system failure that cannot be resolved, the successful bidder(s) shall bear all costs necessary to provide temporary cooling at any time the referenced equipment has been determined to be out of service, pending repairs, or loss of redundancy which prevents optimum cooling.

Temporary cooling systems shall include but not be limited to the following:

- identical chiller(s) capacity of the unit(s) that failed
- Adequate temporary power (via generator, batteries, etc.) for the chiller(s), transportation or material handling equipment.
- Permits or fees associated with the installation and County use of these systems.

The successful bidder is required to immediately inform the County and follow up with a written notice within 24 hours. The written notification shall state the reason the equipment is not in service, when repairs will be completed and the system back in full operation.

Successful bidder servicing the **Central Support facility (Group 26) and the North District Chiller Plant (27)** shall provide this service within one hour of notification.

Note: The following groups are exempt from this clause (3.2.F): Groups 11 through 20 – Seaport managed facilities.

G. Bidder Accessibility and Communications:

Bidder shall be accessible by a local or toll free number in Miami-Dade County, during regular business hours. Service for emergencies shall be available twenty-four (24) hours a day, seven (7) days per week. An e-mail address also needs to be provided to all County Project managers.

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The successful bidder shall make every effort to communicate with the authorized County representative via e-mail, as often as needed, to keep the County fully updated on the status of any ongoing repairs, maintenance or service.

H. System Condition:

Any time services are provided, the bidder shall document the condition of the system and all performed services. These documents shall be provided with any submitted invoice. The successful bidder shall ensure that the equipment is left in an operable condition.

I. Inspection of Work / Bidder Performance

The importance of the equipment covered by this solicitation requires they be maintained in satisfactory and safe operating condition in accordance with their original specifications and capable of providing their maximum output and performance at all times.

Miami Dade County reserves the right to inspect the bidder's work as it deems necessary to ascertain that the terms and conditions are fulfilled. Should it be found that the standards herein specified are not being satisfactorily maintained, the County may request in writing that the bidder(s) place the chillers and/or associated equipment in condition to meet OEM standard. All materials, workmanship, and equipment or parts provided shall be subject to the inspection and approval of the County's Project Manager or designee.

All defects and/or deficiencies noted by a County project manager will be submitted to the bidder for correction, be it due to faulty parts or inefficient labor. Should the defects and/or deficiencies not be corrected within the period specified in the notice, the bidder shall be liable for any cost incurred by the County to insure correction. This cost may be deducted against the monthly invoices from the successful bidder. Corrective actions may include, but not necessarily be limited to, additional inspections, repairs, and meetings.

Bidder(s) failure to comply with such demand will constitute a non-performance under which the County may, at its discretion, place the bidder on a probation period, or possibly contractual default, and re-procure the services specified. The County may further charge the bidder(s) any differences in cost between the bidder's price and the re-awarded price.

3.3 GENERAL WORKING CONDITIONS

- A. Successful bidder(s) must recommend and provide to the County and effective refrigerant leak detection program designed around the chillers in the solicitation.
- B. Successful bidder(s) must provide the county user departments with a copy of its policy and program of Chlorofluorocarbon (CFC) and waste oil handling. Successful bidder(s) shall also comply with all ISO14001-2004 policies and regulations from the Regulatory and Economic Resources Department.
- C. Successful bidder(s) service personnel shall report its arrivals and departures from the County buildings to the County Project managers or their designees and must log in and out the times of arrival and departure, as well as provide a reason for their presence at any County facility.
- D. Successful bidder(s) personnel shall perform all work covered in this contract including examination, cleaning, adjustment, lubrication, repairs and replacements, during regular working hours. Shut-downs of approximately fifteen (15) minutes to one (1) hour maximum in duration are permitted during the

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performance of non-emergency inspections and repairs, and routine maintenance, except as otherwise noted. The Department's Project Manager, or designee, shall be notified in advance before any shut-down is initiated.

- E. Scheduled shut-downs for major work and repairs shall be coordinated with the Departments' Project Manager(s), or their designees, as standard procedure. Work longer than an hour in duration may be performed between the hours of 5:00 p.m. and 8:00 a.m. on weekdays, or on weekends, or on observed County holidays, as authorized in writing by the Department's Project Manager(s), or their designees.
- F. Scheduled shift work beyond normal working hours may be required for maintenance of certain critical equipment. The successful bidder must coordinate these shut downs with the Department Project Manager(s) or their designees.

3.4 CONTRACT PRE-COMMENCEMENT PROCEDURE

Successful bidder(s) shall deliver to the using departments fifteen (15) days prior to the commencement of the contract, the following documents:

- A. A sample maintenance check list.
- B. A schedule of maintenance for each type of equipment and facility awarded.

Successful bidder(s) shall be required to attend a pre-maintenance meeting to accomplish the following. The meeting date will be announced by the user departments.

- A. Introducing the successful bidder(s) supervisor(s), contact person(s), and the maintenance personnel who will be assigned to the contract.
- B. Reviewing the documents listed in items A and B above.
- C. Scheduling the start of the service contract.

3.5 REFRIGERANTS

Successful bidder(s) shall be responsible, at no additional cost to the County to repair any and all refrigerant leaks to OEM standard except when there are catastrophic conditions not caused by the bidder.

- A. If the date of the manufacturers' refrigerant phase-out is escalated by Federal Law, the successful bidder's obligation shall be adjusted to coincide with the new date. The costs of such replacement refrigerants shall be at the successful bidder's cost plus no more than a 20% markup. The Miami Dade County Maintenance Supervisor will determine if the chiller will be retrofitted to the replacement refrigerant or repaired as required by the contract. If refrigerant replacement / chiller retrofitting is required the bidder shall supply a quotation for labor and material for these services.
- B. Successful bidder(s) must have available, within seven (7) days after award on-site for immediate use, factory recommended equipment and tanks for each type of refrigerant awarded. Tanks shall be used to properly remove and store refrigerants, while making chiller repair. Bidders shall also have equipment to recycle refrigerants used to remove impurities, dry the refrigerant and separate the oil in accordance with the current Clean Air Act. Tanks shall be large enough to hold the full refrigerant charge of the largest chiller awarded. Used refrigerant containers are not to be substituted for a refrigerant storage tank.

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- C. Successful bidder(s) must have available off-site refrigerant reclamation services to remove and reclaim refrigerant. The reclamation services shall be done in accordance with the current Clean Air Act and purity standards ARI 700.
- D. Successful bidder(s) shall conform to all EPA regulations and report in writing per occurrence on a form provided by the County all refrigerant added, recovered, reclaimed or disposed of or accidentally discharged.
- E. Successful bidder(s) shall assure that an adequate supply of refrigerant be available, at the bidders expense, to maintain the water chillers fully charged throughout the term of the contract.
- F. At the request of the county's project manager, the successful bidder's recovery equipment shall be made available for inspection, either at the bidder's office or at the County facility where refrigerant recover will take place.

3.6 SERVICES

At minimum the successful bidder(s) shall provide the following services for chillers, related equipment and various other Countywide water systems to include, but shall not be limited, to the following:

3.6.1 WATER TREATMENT SERVICES

The successful bidder(s) and/or subcontractor shall comply with all requirements in this section for boiler and chilled water treatment services. The objective is to maintain a high quality water chemical treatment service program to maintain peak operating efficiencies and optimum corrosion, and biological growth prevention with safe application systems and the most environmentally friendly products for chillers and cooling towers.

Training sessions for all County personnel on water treatment implementation, chemical safety and handling of chemicals and control and monitoring of the program shall be held, on site, a minimum of once per year. All training shall focus on prevention, identification and response training and shall include workbooks, videos and manuals. The training program shall be capable of tracking the progress and training of up to 10 operations personnel.

The following criteria are essential to the success of the County's water treatment program.

A. Chemical Feed and Monitoring Equipment

1. The existing chemical feed equipment is owned by each individual County facility. This equipment includes controllers, pumps, solenoids, pump feeders, timers, etc. If the existing equipment fails, breaks, or becomes ineffective the successful bidder shall replace the equipment at no additional cost. Spare equipment shall be stocked at a central warehouse for the purpose of repairing failed equipment.
2. The successful bidder shall maintain all chemical storage tanks, bulk tanks, and chemical containers located at each County facility. All chemicals must have 110% containment basins.
3. Installation, maintenance and calibration of equipment shall be the responsibility of the successful bidder. Installation is defined as mounting, setup and calibration only.

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4. The successful bidder will provide all necessary chemical piping from the valve on the main condenser line headers to the chemical feed stations to the chemical injection points with the exception of all of the electrical piping which shall be provided by the County.
5. A complete description of installation requirements for all new chemical feed processes shall be provided to and approved by the facility manager before the implementation of the process.

B. Plant Expansion

The capacity of certain plants could possibly increase to include additional chillers, ice storage and cooling towers. Connected load to the existing equipment may also increase. Additional capacity may be negotiated at the time services start to be applied to expanded facilities.

C. Equipment Inspection

All chiller equipment that is opened for service shall be inspected. A written inspection report and pictures of the internal components of the equipment shall be furnished to the County project manager. Any noted deficiencies shall be clearly outlined and corrective action shall be recommended.

D. Computerized Logs and Reference Manual

Successful bidder or bidder's subcontractor shall provide, at no additional cost to the County, a computerized trending and tracking program that allows the County to enter data directly into a monitoring program. The program shall be capable of having data manually added as well through direct data download. The program shall be web based so that no software is needed to be downloaded. A reference manual shall also be provided to allow County staff to look up subjects of interest.

E. Chemical Programs

All chemical programs shall be specifically formulated for the make-up water source being used, the equipment operating conditions, and system metallurgy and pre-existing conditions. Dosages of all chemicals shall be specified in the terms of pounds of product to be added to the systems, at the time of service, and expected concentrations of the active ingredients in the water.

Condenser water systems shall operate at 5-7(6) cycles of concentration.

F. Corrosion Inhibitors

1. A single liquid product containing Phosphonate /Azole/ Polymer dispersant is preferred for the open cooling tower system. The percentage of actives shall be: Phosphonates 6-10 ppm, Azoles 2-3 ppm, and Polymer dispersant 7-10 ppm. The successful bidder shall maintain control of the chemical makeup to enable compliance with the performance requirements of this solicitation. An oxidizing biocide shall be used thus the minimum active azoles level shall be 2ppm.
2. Use of Nitrite, azole, borate program is preferred for closed systems. The control range shall be Nitrite 200-800 ppm, azoles 5-10 ppm, tolytriazole 5-10 ppm, Ph of 8.5 to 10.0.

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Products shall be capable of performing corrosion control to the specification requirements notwithstanding the operational requirement of air injection into the Ice Tank Water. The closed systems are currently treated with a nitrite borate product.

Note: North District Chiller Plant (Ice Tank) to use Silica 35ppm, and Azoles 5-10 ppm.

Note: A corrosion coupon rack will be installed at all facilities.

Corrosion rate standards

Cooling Tower Systems	
Mild Steel	<2.0 MPY
Copper	<0.2 MPY
Closed Loop Systems	
Mild Steel	<1.0 MPY
Copper	0.2 MPY or better
Boiler Condensate Systems	
Mild Steel	<2.0 MPY

G. Microbiological Control

1. The bidder's program shall include a specific microbiological control program for both aerobic and anaerobic bacteria compatible with any other chemical present in the treated water systems. Use of two alternating biocides will be required.

2. For condenser water systems:

Use of 45% glutaraldehyde at minimum dosage of 75ppm or a 15% solution at a minimum dosage of 225ppm added once per week is desired. Use of 1.5% isothiazolin as a second biocide at a minimum concentration of 75ppm is desired for the open systems added alternately once per week. An alternate second biocide would be bromine added to attain a free halogen residual of 0.5 to 1.5ppm at least three times per week for a minimum of six (6) hours per addition. Chemical feed shall be concurrent with cooling tower operation. A quarterly lab test will be required.

3. Closed chilled loop:

These systems should be treated with a biocide at least once annually.

Use of 45% glutaraldehyde at 200 ppm is desired if effective and as needed. Alternate use of copper free isothiazolline, or other biocide program should be considered. Products shall be capable of performing biological control to the specification requirements. Document any water loss in excess of 10%.

Closed loop microbiobio standard:

Aerobic <10,000 CFU/mL

Anaerobic < 1 CFU/mL

Fungi <10 CFU/mL denitrifying – negative

Laboratory bacteria testing must be performed annually on each closed chilled loop system.

4. The selection, control on dosage of micro biocides will ultimately be based on the microbiology performance standards.

H. Chemical Delivery

1. The successful bidder shall deliver chemicals and products in a manner that is safe and acceptable to the County. The successful bidder shall provide all liquid products for the treated water systems directly to the point of feed in a bulk delivery method. This method is intended to eliminate handling of chemical drums by the facility engineers. In the event that bromine tablets are used, the successful bidder shall be responsible for adding the tablets directly to the bromine feeder.
2. The successful bidder's delivery specialist shall have full commercial driver's license with HAZMAT endorsements. Use of common carriers will be acceptable; however, the successful bidder shall be present to supervise the common carrier. The cost of all deliverables shall be included in the program cost.
3. A drum-less chemical feed program with suitable containment for each of the water facilities shall be provided to eliminate handling of chemicals by the facility engineers.

All deliveries shall be scheduled and pre-approved prior by each site Project Manager with a minimum of a 24 hour notification.

I. Test Equipment

1. A water treatment program manual outlining the control parameters, test instructions, product data sheets, emergency protocols for chemical spills/injuries, system descriptions, feed equipment manuals and Material Safety Data Sheets along with log sheets to enter the data shall be provided and maintained up to date by the successful bidder at each County facility. The successful bidder shall be responsible for training the plant personnel in properly running tests and keeping records.
2. The successful bidder will be responsible for installation, inspection, calibration, and maintenance of all chemical feed and monitoring equipment. The successful bidder will do all the testing of equipment to evaluate the chemical levels within the system being serviced. The successful bidder shall supply all tools, equipment, and parts necessary to perform the scope of work. Any damages to equipment during performance of service or otherwise are sole responsibility of successful bidder.

J. Safety

1. All mechanical and analytical reagents supplied by the successful bidder shall meet all applicable government regulations. The successful bidder shall submit an MSDS for all products in use and proposed products. The successful bidder will be responsible for providing up to date MSDS for all chemicals supplied including reagents.
2. The successful bidder shall provide service and back-up personnel in a two-hour response time to any and all County water treatment locations.

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K. Monthly Site Visits

The bidder will be required to visit every site awarded, requiring water treatment servicing, at a minimum, once a month. During the site visit, documentation will need to be logged as validation of the site visit. Appointments will be set up with each individual facility administrator for each site visit.

L. Monthly Meetings

The successful bidder shall maintain open communications with the County and should meet with County representatives on a monthly basis. The location of the meetings is to be determined by County staff.

M. Chemicals

1. The successful bidder at no additional cost to the County will supply all chemicals. The entire list of chemicals to be used for treatment shall meet Occupational Safety and Health Administration (OSHA), and Environmental Protection Agency (EPA) standards. Proper packaging of all containers used when delivering and dispensing chemicals shall be adhered to. Proper safety precautions and handling practices shall be used to dispense chemicals per OSHA rules and regulations.
2. The successful bidder shall have access to a lab facility. The County may establish independent lab testing, at the bidder's expense, when there is a concern with the system. The turnaround time requirements for testing will depend on the complexity of testing, as approved by the County.

3.6.2 CHILLER PREVENTIVE MAINTENANCE**A. Preventative Maintenance:**

Section 4.0, indicates the minimum frequency in which each chiller should be inspected and preventative maintenance provided. During these inspections at minimum the following should be done on each unit listed.

1. Equipment normally operating; Log equipment noting general condition, operating data, noises, vibration, temperature and pressure. Where applicable, inspect controls and safety devices, check for proper refrigerant solution, lubricant and water levels. Confirm control and equipment responses, adjust for normal operation, and provide inspection reports, including recommendations for corrective actions. Rotation of equipment and aforementioned tasks shall be performed where applicable.
2. Equipment **not** normally operating, where applicable inspect hold down bolts and electrical connections, perform functional checks on control and safety devices, and provide inspection report identifying any problem area including recommendations for corrective actions.
3. Operation logs of Purge Units shall indicate length of operation, as compared to chiller's running time between readings. Progressively increasing running time reports of Purge unit operations must be properly documented.

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4. Bidder(s) are responsible for maintaining glycol levels as indicated by OEM where applicable.

B. Oil and Grease Services

These services shall include all inspection report services plus those preventative maintenance tasks which do not require component disassembly, but may require inspection cover or plate removal. Unless otherwise stated herein, the Oil and Grease Service includes, but is not limited, to the following:

1. Successful bidder(s) shall provide a yearly spectral-chemical oil analysis and provide a report in writing. (See section 3.7 D-Oil Analysis Test Report).
2. Change oil as required by analysis, routine lubricating, replace oil filters, replace refrigerant filters, touch-up painting, blow-down dirt legs/strainers, cleaning of control starter contracts, cleaning electronic modules, cleaning drain pans, and leak testing of any disassembled joints.

3.6.3 CHILLER FULL ANNUAL MAINTENANCE SERVICE

Full maintenance service shall include all preventative maintenance tasks as stated under Section 3.6.2 providing for the repair and replacement of new OEM (Original Equipment Manufacturer) moving parts that may have failed unexpectedly and may require disassembly and removal of available inspection covers, unless otherwise stated. Full maintenance service shall include but not be limited to:

- A. Replace yearly expendable parts, perform adjustment check and calibrate controls, measure and record accessible clearances, and leak test all joints of interconnecting refrigerant piping.
- B. Motor Starters, electrical wiring up to 6" from point of connection, variable frequency drives (VFD's), motor stators, motor rotors, dip and bake motor windings. Major repairs, including but not limited to, interconnecting refrigerant piping, any costs of expediting delivery of parts, all maintainable component repairs (and any maintainable components especially listed herein), but not limited to: all safety devices and controls that have a direct bearing on chiller operation, such as low water safety, oil safety flow switches, differential pressure switches, microprocessor – based control panels (including remote panels and controlling computer terminals) associated automatic valves affecting chiller operation and all unloading devices.
- C. Rewinding of motors, shall be performed by a service center authorized by the motor OEM and the County. This service shall be expedited in a timely manner.
- D. Thermal insulation removed from the chiller shall be reinstalled in a manner consistent with all applicable local, state and federal guidelines and/or standards. Additional Insulation in the chiller room around pipes or pumps etc. will be on a time and material basis.
- E. Inspect, test, maintain, service, repair or replace as required, all thermometers and water pressure gauges on the condenser and chilled water pipe within the chiller plants.
- F. Inspect, test, maintain, service, repair or replace as required, the refrigerant monitor systems existing in the chiller plants.

- G. Perform a major overhaul as required pending oil analysis and at the department's discretion.
- H. Perform repairs as required pending oil analysis recommendations.
- I. Vibration analysis services shall cover the following:
 1. Perform vibration analysis as needed. Bidder(s) shall perform a vibration analysis with computer analysis showing velocity, acceleration and displacement on all three (3) planes.
 2. Provide all the equipment necessary for the analysis.
 3. Indicate instrumentation use and limits of the analysis, if any.
 4. Provide a graphic vibration signature in the horizontal, vertical and axial directions.
 5. Report the amplitude of vibration by velocity (inches/second) and frequency (cycles/minute).
 6. Indicate areas which exceed acceptable levels (.10 inches/second) of vibration amplitude, at discrete frequency.
 7. Provide recommended corrective action as required.
 8. Provide written report within 30 days of analysis. In the report indicate at which locations the signatures were obtained.
 9. Indicate re-analysis frequency based on results if more than once a year.

3.6.4 TUBE INSPECTION

The following services are to be performed by the successful bidder at least once a year, to include but not limited to:

A. Tube Inspection

Bidder(s) shall remove condenser heads, perform an internal visual examination of the water side of tubes as well as the end bells and tube sheet and shall present a report to the County department(s) regarding any signs of internal damage.

B. Tubes Brush Cleaning

Includes tube inspection and the internal brushing of the water side of the heat exchanger tubes (cooler and condenser). Included are tubes that have factory installed brushes. Cooler shall be brushed on an as needed basis as determined by the user departments and the successful bidder(s). Group 26-Central Support Facility is exempt from this clause.

C. Tube Repairs – Refrigerant Side

Includes the repair or replacement of internal tubes, tube sheets, support sheets, distribution systems, oil components that contain or distribute refrigerant/lithium bromide within the equipment. This service covers tube failures that may result from the refrigerant/lithium bromide side of the equipment heat exchanger.

D. Tube Repairs – Water Side

Includes the repair or replacement of internal tubes, tube sheets, support sheets, eliminators and distribution system. This service covers all tube failures that may be the result of age.

3.6.5 MULTI-YEAR PREVENTIVE MAINTENANCE SERVICES

Multi-year preventive maintenance service includes all preventative tasks plus those multi-year maintenance tasks which may require major disassembly, overhauling and reassembly. This service shall be provided if the applicable equipment listed herein receives at least the Multi-Year Service which is in addition to the Scheduled Service and it is normally performed at intervals greater than one (1) year according to the equipment manufacturers' standards.

The intervals for the Multi-Year Preventive Maintenance tasks will be determined by the successful bidder's best judgment based on the equipment's application, operation hours, age and routine inspections results. Unless otherwise stated herein, the Multi-Year Preventive Maintenance Service includes but is not limited to the following:

Major internal maintenance to repair or replace with new OEM parts and/or components whose normal wear indicates repair or replacement is needed includes: All rotating assemblies, compressor valves/plates/cylinders, bearings, shaft, all internal clearances adjustments, internal cleaning refrigerant solution charge, and complete equipment leak testing, evacuation and dehydration where applicable.

A. Eddy Current Testing

Eddy current testing shall be provided on all equipment. The testing shall be scheduled with the County project manager, and may be coordinated at the same time chillers are down and open for their full annual maintenance service. Test shall be repeated on all equipment in three year intervals. Testing shall be done by a level II Certified Technician. The inspection report shall contain the following information:

1. Data Sheet
2. Summary of Inspection
3. Recommendations
4. Tube Sheet Layout
5. Tube Strip Graphics
6. Calibration Settings and Graphs
7. Calibration Procedures
8. Explanation of Abbreviations

Successful bidder(s) will be responsible for re-insulation of chiller evaporators and associated piping disturbed during the tube cleaning or eddy current services.

3.7 RECORDS MANAGEMENT

A. Service Receipts

Successful bidder(s) shall submit (identified with their invoice number and this bid number) to the Department Project Managers or their designees, a copy of the mechanic's service receipt indicating the date, time and nature of the service performed. These services receipts shall be signed by the Departments' Project Manager(s), or their designees, at the time the work is performed. If the service person cannot get Department Project Manager's signature, the service person will leave a copy of the service receipt in the machine room and/or complete log book provided by the County, and so advise the Project Manager(s) the next working day.

B. Survey Reports

Successful bidder(s) shall submit a written annual supervisor's report on the condition of all chillers to each County department. The inspection must be performed and signed by the successful bidder's maintenance supervisor.

C. Water Treatment Services Reports

The successful bidder shall provide the County, at minimum, monthly reports to include PH levels, conductivity results, iron levels, copper levels, zinc levels, calcium levels, molybdenum levels, phosphonate levels, and azoles present. All other levels that are measured shall be compiled into a "Biological Monitoring Results" spreadsheet to include desired ranges, inventory levels, and a list of adjustments made.

The successful bidder shall provide, on a quarterly basis to the facility manager, a review summary containing the following information:

1. A statement of progress that has been made during the quarter, with recommendations for action during the next quarter.
2. A summary of all corrosion data, including a comparison to historical data. Pitting index and pitting mpy to be reported.
3. Laboratory analyses of all systems.
4. Summary of onsite testing using graphical format.
5. Accounting of chemical product shipments to date vs. annual estimate for chemical usage.
6. Provide an explanation for any variances from the proposal quantities.

D. Oil analysis Test Report

Report must show job name and chiller location, model and serial numbers, type of oil and date of sample test. Test result sheet must show spectral-chemical analysis in parts per million by weight content of iron, chromium, nickel, aluminum, lead, copper, tin, silver, titanium, silicon, boron, sodium, potassium, molybdenum, phosphorus, zinc, calcium, barium, magnesium, antimony and vanadium. The report must also show the physical test for water in parts per million, total acid content, chloride in parts per million, viscosity at 72 degrees F. All tests must be performed by an independent certified lab.

E. Log

Successful bidder(s) shall provide the departments' Project Managers with a written log for each department of all repairs and adjustments (including minor ones) made in addition to the preventative maintenance work. This log shall consist of the time the complaint was registered, the nature of the complaint, the correction of the problem and the amount of time required correcting the problem. The County department(s) shall decide where the log books shall be kept. The successful bidder(s) is to complete the log on each routine visit indicating the maintenance performed on all problems and the corrections made during each call-back and/or repair.

F. Refrigerant Forms

Successful bidder shall use the approved refrigerant service forms provided by the maintenance department and shall return all completed forms whenever refrigerant services are performed.

SOLICITATION TITLE: Chillers / Water Treatment – Service Contract**SOLICITATION NO.:****G. Data Sheet**

Successful bidder(s) shall provide and maintain a system data log sheet for each facility. Once each month, the bidder shall record the following information, and a report with the results shall be sent to the project managers of each department. These reports shall include the following information:

- Discharge pressure
- Discharge temperature
- Suction pressure
- Suction temperature
- Oil pressure
- Oil temperature
- Chilled water return temperature
- Chilled water supply temperature
- Chiller Approach temperature
- Condenser water return temperature
- Condenser water supply temperature
- Condenser approach temperature
- Chiller motor amps on each leg
- Chiller motor voltage on each leg

H. Check Sheet

Successful bidder(s) shall maintain on the job sites and have available for inspection at all times, a written check sheet and service ticket indicating the service routine or repair that has been performed on the most recent visit and the date of the visit. Copies of check charts will be submitted to the department Project Manager(s) on the anniversary of each contract year and at the conclusion of the contract.

TO BE COMPLETED BY ALL BIDDERS	
Refer to Paragraph 2.4 to ensure that your firm's responses and attachments comply with the Solicitation's requirements.	
Reference	Bidder Requirements
2.4.A	Bidder must be a State of Florida Mechanical or Class "A" Air Conditioning Contractor. License Type: _____ License Number: _____ <p style="text-align: center;"><i>Copy of either license shall be provided with the bid submittal</i></p>
2.4.B	Bidder must have certified technicians performing the work specified herein. Technician's name: _____ License Type: _____ Technician's name: _____ License Type: _____ <p style="text-align: center;"><i>Copies of the Certificates of Competency as a journeyman in the General Mechanical category issued by Miami-Dade County or Broward County for each technician shall be provided with the bid submittal.</i></p>
2.4.C	Bidder(s) technicians shall have successfully completed the EPA Universal Refrigerant Transition and Recovery Certification Program and shall be certified. Technician's name: _____ Technician's name: _____ Technician's name: _____ Technician's name: _____ <p style="text-align: center;"><i>Copies of all technicians EPA universal certifications shall be provided with the bid submittal.</i></p>
2.4.D	Bidder must have a Stratospheric Ozone Protection (APCF) permit. Permit Number: _____ Expiration Date: _____ <p style="text-align: center;"><i>Copy of permit shall be provided with the bid submittal.</i></p>

2.4.E	<p>Bidder or bidder's subcontractor shall submit the name(s) of technician(s) who will be performing and evaluation the Eddy Current Testing.</p> <p>The technician(s) performing Eddy Current Tests shall be ASNT NDT Level II Certified</p> <p>Name of Technician: _____ Certificate No.: _____ Name of Technician: _____ Certificate No.: _____ Name of Technician: _____ Certificate No.: _____ Name of Technician: _____ Certificate No.: _____</p> <p>The technician(s) evaluating Eddy Current Tests shall be ASNT NDT Level III Certified</p> <p>Name of Technician: _____ Certificate No.: _____ Name of Technician: _____ Certificate No.: _____ Name of Technician: _____ Certificate No.: _____ Name of Technician: _____ Certificate No.: _____</p> <p style="text-align: center;"><i>Copies of the certificates shall be provided with the bid submittal.</i></p>
2.4.F	<p>Bidder or bidder's subcontractor performing <u>OIL ANALYSIS TEST AND EVALUATION OF OIL SAMPLES</u> must have a demonstrated 5-year minimum of experience performing oil analysis. As evidence, the bidder or bidder's subcontractor is required to provide at least three (3) letters of reference from their clients including dates of service, and statement of work performed.</p> <p style="text-align: center; background-color: #e0f0e0;">REFERENCE 1</p> <p>Company Name: _____ Telephone No.: _____ Name: _____ Title: _____ E-mail Address: _____</p> <p style="text-align: center; background-color: #e0f0e0;">REFERENCE 2</p> <p>Company Name: _____ Telephone No.: _____ Name: _____ Title: _____ E-mail Address: _____</p> <p style="text-align: center; background-color: #e0f0e0;">REFERENCE 3</p> <p>Company Name: _____ Telephone No.: _____ Name: _____ Title: _____ E-mail Address: _____</p>
2.4.G	<p>Bidder or bidder's subcontractor performing <u>WATER TREATMENT SERVICES</u> must have a demonstrated 5-year minimum of experience performing water treatment services. As evidence, the bidder or bidder's subcontractor is required to provide at least three (3) letters of reference from their clients including dates of service, and statement of work performed.</p> <p style="text-align: center; background-color: #e0f0e0;">REFERENCE 1</p> <p>Company Name: _____ Telephone No.: _____ Name: _____ Title: _____ E-mail Address: _____</p>

REFERENCE 2	
Company Name:	_____ Telephone No.: _____
Name:	_____ Title: _____
E-mail Address:	_____
REFERENCE 3	
Company Name:	_____ Telephone No.: _____
Name:	_____ Title: _____
E-mail Address:	_____
2.4.H	<p>The bidder or bidder's subcontractor performing water treatment services to County equipment must have at minimum, one staff member holding an engineering degree.</p> <p>Name: _____</p> <p>Degree: _____</p> <p style="text-align: center;"><i>Copy of the diploma or official transcripts must be provided with the bid submittal.</i></p>
2.4.I	<p>Bidder shall maintain offices, shop facilities, and personnel located in Miami-Dade or Broward.</p> <p>Address: _____</p> <p>Local Business Tax Receipt No.: _____</p> <p style="text-align: center;"><i>Copy of Local Business Tax Receipt must be provided with the bid submittal.</i></p>

ADDITIONAL INFORMATION	
Labor Rate(s) and Percentage Mark-up	
Hourly rates for additional services:	
Position: _____	Rate: _____
Percentage Mark-up: _____	%
<p>Note: Labor rate(s) and percentage mark-up are considered to be additional information, and will not be used in determining the successful bidder(s).</p>	

Bidders shall provide the **total annual cost**, inclusive of all necessary labor, transportation, material and equipment to furnish a comprehensive program of, inspections, testing, preventive maintenance (PM), emergency repair, routine repair, boiler and water treatment services for air conditioning chiller systems and related HVAC equipment.

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
1	Miami Dade Trasit Dept. William Lehman Facility 6601 NW 72 Ave. Miami 33166	Trane Centravac	Water cooled	1	CVHA-011F-HE	L811023614	1981	110	R-113	Comfort	Quarterly						
		Trane Centravac	Water cooled	2	CVHA-011F-HE	L811023613	1981	110	R-113	Comfort	Quarterly						
		Water Treatment / Equipment Description: 2 - 110 Ton Chillers										Monthly					
Grand Total For Group 1												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
2	Miami Dade Transit Dept. Central Administration Building 3300 NW 32 Ave. Miami 33142	McQuay	Water Cooled	1	WHR100DW	5VD0183800	1989	100	R-22	Comfort	Quarterly						
		Water Treatment / Equipment Description: 1 - 100 Ton Chiller										Monthly					
Grand Total For Group 2												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
3	Miami-Dade Police Dept. 9105 NW 25 Street Miami, 33172	York	Centrifugal	1	YTD3E3C2CKD	YFVM18455 1	1989	350	R-11	Comfort	Monthly						
		York	Centrifugal	2	YTD3E3C2CKD	YFVM18455 0	1989	350	R-11	Comfort	Monthly						
		York	Centrifugal	3	YTK4C8FLCSJ	GNLM16326 8	2003	600	R-123	Comfort	Monthly						
		Water Treatment / Equipment Description: 2 - 300 Ton Cooling Towers & Chilled Water Loop.										Monthly					
Grand Total For Group 3												\$0.00					

Bidders shall provide the **total annual cost**, inclusive of all necessary labor, transportation, material and equipment to furnish a comprehensive program of, inspections, testing, preventive maintenance (PM), emergency repair, routine repair, boiler and water treatment services for air conditioning chiller systems and related HVAC equipment.

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
4	Miami Dade Corrections Womens Detention Center 1401 NW 7 Avenue, Miami 33136	Trane	Centrifugal	1	RTHB150FL	V00D06943	2000	150	R-22	Chilled Water	Quarterly						
		Water Treatment / Equipment Description: 1-EVAPCO Cooling Tower 1 each, aprox. 100 ton; MOD #1CT-4- 912 trane CHILLER 1 EACH 150 Ton										Monthly					
Grand Total For Group 4												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
5	Miami Dade Corrections Turner Guilford Knight Detention Center 7000 NW 41 Street Miami 33166	Trane	Centrifugal	1	CVHE032ALR123 CVHE032R00	L87F02897	1987	320	R-123	Chilled Water	Monthly						
		Trane	Centrifugal	2	CVHE032ALR123 CVHE032R00	L87F02896	1987	320	R-123	Chilled Water	Monthly						
		York	Screw Air Cool Chiller	MHU	YCAS0116EC46Y FADBx	RFLM003328	2002	160	R-22	Chiller Water MHU	Monthly						
		Trane	Reciprocal	1	A000E00000000 T0000	C02D03691	2002	25	R-22	Chiller Water Cook Chill	Monthly						
		Trane	Reciprocal	2	A000E00000000 T0000	C02D03690	2002	25	R-22	Chiller Water Cook Chill	Monthly						
		Water Treatment / Equipment Description: CVHF032GAL2JC240ECEZA11GEZA000 TRANE Chillers, 1 -300 Ton. Cooling Tower. Precision Model # FPS-39-30-150-P126, - Two Units - Capacity 30 HP. Steam Boilers.										Monthly					
Grand Total For Group 5												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
6	Miami Dade Corrections Pre-trial Detention Center 1321 NW 13 Street Miami 33125	Trane	Centrifugal	1	CVHF582	L05H03638	2005	580	R-123	Chilled Water	Monthly						
		Trane	Centrifugal	2	CVHF582	L05H03645	2005	580	R-123	Chilled Water	Monthly						
		Water Treatment / Equipment Description: 2 Marley Cooling Towers, 350 Tons each; 2 Trane Chillers. Precision, Model # FPS-50-150-P211ON, Serial # B010458- Capacity 50 HP Steam Boiler.										Monthly					
Grand Total For Group 6												\$0.00					

Bidders shall provide the **total annual cost**, inclusive of all necessary labor, transportation, material and equipment to furnish a comprehensive program of, inspections, testing, preventive maintenance (PM), emergency repair, routine repair, boiler and water treatment services for air conditioning chiller systems and related HVAC equipment.

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
7	Miami Dade Parks and Recreation Miami Metro Zoo 12400 SW 152 Street Miami 33196	Trane	Screw	1	RTAA1104YT01A BLONB	U07J05729	2007	110	R-22	Comfort	Quarterly						
		Trane	Screw	2	RTAA12554YYT0 1A3L0NB	U090J05730	2009	125	R-22	Comfort	Quarterly						
		Trane	Screw	3	RTAA0804YJ01A 3COBKQ	U98BC70807	1998	80	R-22	Comfort	Quarterly						
		Water Treatment / Equipment Description: Carrier Chiller - Air Cooled - Closed Loop										Quarterly					
Grand Total for Group 7												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
8	Miami Dade Parks and Recreation Country Club of Miami 6801 Miami Gardens Dr. Miami 33015	Trane	Screw	1	RTAA0804XMDI A3DOBKMN	U02E04600	1995	80	R-22	Comfort	Quarterly						
		Water Treatment / Equipment Description: Carrier Chiller - Air Cooled - Closed Loop										Quarterly					
Grand Total for Group 8												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
9	Miami Dade Parks and Recreation Deering Estates 16701 SW 72 Avenue Miami 33157	Trane	Screw	1	RTAA070AYJ01B 3D0BQ	U98D09515	1995	70	R-22	Comfort	Quarterly						
		Water Treatment / Equipment Description: Carrier Chiller - Air Cooled - Closed Loop										Quarterly					
Grand Total for Group 9												\$0.00					

Bidders shall provide the **total annual cost**, inclusive of all necessary labor, transportation, material and equipment to furnish a comprehensive program of, inspections, testing, preventive maintenance (PM), emergency repair, routine repair, boiler and water treatment services for air conditioning chiller systems and related HVAC equipment.

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
10	Miami Dade Parks and Recreation Crandon Rennis Stadium 7300 Crandon Blvd, Key Biscayne 33149	CTS T2500 with Polaris heat Exchanger	Cooling Tower		Polaris SS #S-41- IS-101	6831	2003	700	Water	Cooling Tower	Monthly						
		Water Treatment / Equipment Description: 700 ton, 2 Cell Chilled Water Loop										Quarterly					
Grand Total for Group 10												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
11	Seaport Department Terminal B & C 1740 N. Cruise Blvd. Miami 33132	Trane	Screw	1	RTAC 1554 UROH, UAFN NITX IDD RAON, N10C, ROEX N	U08 K01920	2008	155	134-HFC	Air Cooled	Quarterly						
		Trane		2	RTAC 1554 UROH, UAFN NITX IDD RAON, N10C, ROEX N	U08 K01921	2008	155	134-HFC	Air Cooled	Quarterly						
		Water Treatment / Equipment Description: (2) 150 Ton Chillers, Chilled Water Loop										Monthly					
Grand Total for Group 11												\$0.00					

Bidders shall provide the **total annual cost**, inclusive of all necessary labor, transportation, material and equipment to furnish a comprehensive program of, inspections, testing, preventive maintenance (PM), emergency repair, routine repair, boiler and water treatment services for air conditioning chiller systems and related HVAC equipment.

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
12	Seaport Department Terminal F & G Miami 33132	Trane	Screw	1	RTAA 4004 XR03 A3DO B6MN	U99 C06609	2000	400	R-22-HCFC	Air Cooled	Quarterly						
		Trane	Screw	2	RTAA 4004 XR03 A3DO B6MN	U99 C06610	2000	400	R-22-HCFC	Air Cooled	Quarterly						
		Trane	Screw	3	RTAC 4004 UDON UAFN LINX ICDC NCON NIOG NOEX N	U02 J03499	2003	400	134-HFC	Air Cooled	Quarterly						
		Water Treatment / Equipment Description: (3) 400 Ton Chillers, Chilled Water Loop										Monthly					
Grand Total for Group 12												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
13	Seaport Department 1080 RCCL Bldg. 1080 Caribbean Way Miami 33132	Trane	Screw	1	RTHB 255 FLAO OEWP OOOUNN 3LF 2LF VOQU	U94E02218	1994	255	R-22-HCFC	Water Cooled	Quarterly						
		Trane	Screw	2	RTHB 255 FLAO OEWP OOOUNN 3LF 2LF VOQU	U94E02217	1994	255	R-22-HCFC	Water Cooled	Quarterly						
		Trane	Screw	3	RTHB 255 FLAO OEWP OOOUNN 3LF 2LF VOQU	U94E02219	1994	255	R-22-HCFC	Water Cooled	Quarterly						
		Water Treatment / Equipment Description: (3) 250 ton Chillers, (3) Cooling Towers Chilled Water Loop										Monthly					
Grand Total for Group 13												\$0.00					

Bidders shall provide the **total annual cost**, inclusive of all necessary labor, transportation, material and equipment to furnish a comprehensive program of, inspections, testing, preventive maintenance (PM), emergency repair, routine repair, boiler and water treatment services for air conditioning chiller systems and related HVAC equipment.

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
14	Seaport Department 1050 RCCL Bldg. 1050 Caribbean Way Miami 33132	Trane	Screw	1	RTHD UCZF XHOO AF2A 3LAL F3A2 LALA VXQX EXAC AXY2 59BJ XAX4 XXXX XB	U08J01249	2009	300	134-HFC	Water Cooled	Quarterly						
		Trane	Screw	2	RTHD UCZF XHOO AF2A 3LAL F3A2 LALA VXQX EXAC AXY2 59BJ XAX4 XXXX XB	U08J01250	2009	300	134-HFC	Water Cooled	Quarterly						
		Water Treatment / Equipment Description: (2) 200 Ton Chillers, (1) Cooling Tower Chilled Water Loop.										Monthly					
Grand Total for Group 14												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
15	Seaport Deapartment Terminal D 1265 N. Cruise Blvd Miami 33132	Trane	Screw	1	RTAC 3004 UJOH UAFN NITY ICDC NNON NION ROEX N	U05FO1674	2005	300	134-HFC	Air Cooled	Quarterly						
		Trane	Screw	2	RTAC 3004 UJOH UAFN NITY ICDC NNON NION ROEX N	U05F01766	2005	300	134-HFC	Air Cooled	Quarterly						
		Trane	Screw	3	CGAM 120F 2G02	U12G30882			R-134A		Quarterly						
Water Treatment / Equipment Description: (2) 300 Ton Series R air Cooled Helical Rotary Liquid Chillers										Monthly							
Grand Total for Group 15												\$0.00					

Bidders shall provide the **total annual cost**, inclusive of all necessary labor, transportation, material and equipment to furnish a comprehensive program of, inspections, testing, preventive maintenance (PM), emergency repair, routine repair, boiler and water treatment services for air conditioning chiller systems and related HVAC equipment.

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
16	Seaport Department Terminal E 1435 N. Cruise Blvd Miami 33132	Trane	Screw	1	RTAC 3004 UJOH UAFN NITY ICDC NNON NION ROEX N	U05F01765	2005	300	134-HFC	Air Cooled	Quarterly						
		Trane	Screw	2	RTAC 3004 UJOH UAFN NITY ICDC NNON NION ROEX N	U05F01675	2005	300	134-HFC	Air Cooled	Quarterly						
		Water Treatment / Equipment Description: (2) 300 Ton Series R air Cooled Helical Rotary Liquid Chillers										Monthly					
Grand Total for Group 16												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
17	Seaport Department 1001 & 1015 Bldgs Miami 33132	York	Hermetic Comp.	1	YCWZ78JMO/46 PAS	YLYM781925	1992	90	R-22-HCFC	Water Cooled	Quarterly						
		York	Hermetic Comp.	2	YCWZ78JMO/46 PAS	YLYM781962	1992	90	R-22-HCFC	Water Cooled	Quarterly						
		Water Treatment / Equipment Description: (2) 75 ton Chillers, (2) Cooling Towers, Chilled Water Loop.										Monthly					
Grand Total for Group 17												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
18	Seaport Department Terminal H Miami 33132	Carrier	Hermetic Comp	1	30GB-150-C-650 AA	4193F68856		150	R-22-HCFC	Air Cooled	Quarterly						
		Carrier	Hermetic Comp	2	30RAN0225- E611CX	4609Q58020	2011	30	134-HFC	Air Cooled	Quarterly						
		Carrier	Hermetic Comp	3	30GB-100-C-650 AA			100	R-22-HCFC	Air Cooled	Quarterly						
		Water Treatment / Equipment Description: 150 ton chiller, 100 ton chiller, Chilled Water Loop										Monthly					
Grand Total for Group 18												\$0.00					

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6	
19	Seaport Department 1007 Bldg. Miami 33132	Carrier	Hermetic Comp.	1	30 HK 050630	X132093	1982	50	R-22-HCFC	Water Cooled	Quarterly							
		Carrier	Hermetic Comp.	2	30 HK 050630		1982	50	R-22-HCFC	Water Cooled	Quarterly							
		Water Treatment / Equipment Description: (2) 60 Ton Chillers, 2 Cooling Towers, Chilled Water Loop										Monthly						
Grand Total for Group 19												\$0.00						
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6	
20	Seaport Department Terminal J Miami 33132	Trane	Screw	1	RTAC 1854 UVOH	U11D00012	2011	185	134-HFC	Air Cooled	Quarterly							
		Trane	Screw	2	RTAC 1854 UVOH	U11C09988	2011	185	134-HFC	Air Cooled	Quarterly							
		Water Treatment / Equipment Description: (2) 175 Ton Chillers, Chilled water loop										Monthly						
Grand Total for Group 20												\$0.00						
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6	
21	Miami Dade Public Housing Community Development Robert King High Towers 1407 NW 7th Street Miami 33125	Carrier	Screw	1	30RAP0405FA00 100	2911Q42861	2011	40	410A	Glycol	Quarterly							
		Carrier	Screw	2	30RAP0405FA00 100	3012Q45773	2005	30	R22	Glycol	Quarterly							
		Water Treatment / Equipment Description: Closed Chilled loop system tied to the Air Handler - Carrier model # 4ORUSA25										Monthly						
Grand Total for Group 21												\$0.00						

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6	
22	Miami Dade Public Housing Community Development Harry Cain Towers 490 NE 2nd Avenue Miami 33132	Marley #2	Screw	1	A1-493H	AQ10031736	2011	36	R22	Glycol	Quarterly							
		Evapco #3	Screw	2	USS-14-96	10-399083	2011	72	R22	Glycol	Quarterly							
		Water Treatment / Equipment Description: Cooling Tower < 100 Tons										Monthly						
Grand Total for Group 22												\$0.00						
Group	Department / Chiller(s) Location	<u>Water Treatment / Equipment Description:</u>									Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6	
23	Cultural Affairs Dade County Auditorium 2901 W Flagler St Miami 33135	150 Tons, 2 Cell, Chilled Water Loop									Monthly							
Grand Total for Group 23												\$0.00						
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6	
24	Internal Services Dept. Graham Building 1350 NW 12 Avenue Miami 33136	Carrier	Centrifugal	1	19DH7887CN	81-18-31G53	1980	450	R-11	Comfort	Quarterly							
Grand Total for Group 24												\$0.00						

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
25	Internal Services Dept. Joseph Caleb Center 5400 NW 22 Avenue, Miami 33142	Trane	Helical-Rotary	1	RTCC1D1F0B0F1 L3F2LFV0U0	U98506779	1998	350	R-134	Comfort	Quarterly						
		York	Screw	2	YSDCCBS2CJA	SAYM912446	1990	280	R-22	Comfort	Quarterly						
		Water Treatment / Equipment Description: RTHCIDIFOBOF113F21FV0U0, 1 York Chiller Code PAK MOD YSDCS2CJA Cooling Tower (600 Ton.)										Monthly					
Grand Total for Group 25												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
26	Internal Services Dept. Central Support Facility 200 NW 1st Street, Miami 33128	Trane	Screw	1	RTHB300	U94H03442	1997	350	R-22	Screw	Quarterly						
		Trane	Centrifugal	2	CVHB155N	L82M08684	1982	1500	R-11	Centrifugal	Quarterly						
		Trane	Centrifugal	3	CVHB1470	L11D01863	2011	1500	R-123	Centrifugal	Quarterly						
		Trane	Centrifugal	4	CVHB155N	L82M08685	1982	1500	R-11	Centrifugal	Quarterly						
		Trane	Centrifugal	5	CVHE128N	L95D04202	1993	1400	R-123	Centrifugal	Quarterly						
		Trane	Centrifugal	6	CVHF1470	L11D01869	2011	1500	R-123	Centrifugal	Quarterly						
		Water Treatment / Equipment Description: Hot Water Closed Loop - continuous low level feed treatment of Leaking loop Open condensing water loop, 1 tower 6 cells, 5x1, 500 Ton Chillers, 1100 Ton Chillers										Monthly					
Grand Total for Group 26												\$0.00					

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
27	Internal Services Dept. North District Chiller Plant 1110 NE 1st Avenue Miami, FL 33132	York	Screw	1- G1	YSNNNNS7-TBA	GCHM801490	Mar-99	850	R-22	Glycol	Quarterly						
		York	Screw	2- G2	YSFBFA55-CSDS	SAHM362080	Jan-99	430	R-22	Glycol	Quarterly						
		York	Centrifugal	3- G3	YKSVSSK4-DHGS	SNTM176990	8-Dec	1580	R-134A	Glycol	Quarterly						
		York	Centrifugal	4-G4	YKSVSSK4-DHGS	SNVM446350	9-Dec	1580	R-134A	Glycol	Quarterly						
		York	Centrifugal	5-E1	YKHHGDJ2-DBDS	SAHM-337850	Jan-99	1166	R-134A	Electric	Quarterly						
		York	Centrifugal	6-E2	YKHHGDJ2-DBDS	SAHM-337950	Jan-99	1166	R-134A	Electric	Quarterly						
		York	Centrifugal	7-E3	YKHHGDJ2-DBDS	SAHM-337750	Jan-99	1166	R-134A	Electric	Quarterly						
		York	Centrifugal	8-E4	YKWPW4K7-DKGS	SNTM-166100	8-Dec	2500	R-134A	Electric	Quarterly						
		York	Centrifugal	9-E5	YKWPW4K7-DKGS	SNVM-452290	9-Dec	2500	R-134A	Electric	Quarterly						
		Water Treatment / Equipment Description: Open Condensing Water Loop, 1 Tower, 12,000 ton Chillers											Monthly				
Grand Total for Group 27												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
28	Internal Services Dept. Medical Examiner's Building 1 Bob Hope Road Miami 33136	Trane	Chiller	1	CVBHE036G-CL2JB2404DEYA11DE1A000	L87F02596	1987	360	R-11	Centrifugal	Quarterly						
		Trane	Chiller	2	CVHE036G-CL2JB2352DE1A13DE1A000	L87F02597	1987	360	R-11	Centrifugal	Quarterly						
		Water Treatment / Equipment Description: 2-600 Ton. Cooling Towers, 2 Chillers Water Loop & Hot Water Loop Cooling Tower System - 50 Tons Cooling Tower											Monthly				
Grand total for Group 28												\$0.00					

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
29	Internal Services Dept. North Dade Justice Building 15555 Biscayne Blvd. Miami 33160	Trane	Chiller	1	RTWA1104	U05A09249	2005	110	R-22	Rotatory	Quarterly						
		Trane	Chiller	2	RTWA1104	U05A09250	2005	110	R-22	Rotatory	Quarterly						
		Water Treatment / Equipment Description: 2 - 100 Ton Cooling Towers & 2 Chillers 80. 6-Tons ea. - Chilled Water Loop										Monthly					
Grand total for Group 29												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
30	Internal Services Dept. Metro Justice Building 1351 NW 12 Street Miami 33125	Trane	Chiller	1	H5-HF2-HV2	2719047	1964	330	R-11	Air Handlers	Quarterly						
		Trane	Chiller	2	OHHC10ETF0D0	RTHCIDIFOBO G2L4G2LV0U0	1998	380	R-134	Air Handlers	Quarterly						
		Trane	Chiller	3	OHHC1D2F0LO	RTHDUD2FXD OUAG3A4LAL G3A2RALA	2005	400	R-134	Air Handlers	Quarterly						
		Water Treatment / Equipment Description: 2-330 Ton and 1-385 Ton. Chillers, 2-600 Ton Cooling Towers										Monthly					
Grand Total for Group 30												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
31	Internal Services Dept. South Dade Government Bldg 10710 SW 211 Street Miami, 33189	Trane	Screw	1	RTHA150FLP	UOEF08680	2008	150	R-134A	Screw	Quarterly						
		Trane	Screw	2	RTHA120FSFL	U08E08679	2008	150	R-134A	Screw	Quarterly						
Grand Total for Group 31												\$0.00					

Bidders shall provide the **total annual cost**, inclusive of all necessary labor, transportation, material and equipment to furnish a comprehensive program of, inspections, testing, preventive maintenance (PM), emergency repair, routine repair, boiler and water treatment services for air conditioning chiller systems and related HVAC equipment.

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
32	Internal Services Dept. John D. Campbell Center 18710 SW 288 Street Miami 33030	Carrier	Chiller	1	30GT040510KA	U10A13686	2010	40	R-134A	Compressor	Quarterly						
		Water Treatment / Equipment Description: Carrier Chiller - Air Cooled, MOD 30GT-040-S10KA										Monthly					
Grand Total for Group 32												\$0.00					
33	Internal Services Dept. South Dade Regional Library 10750 SW 211 Street Miami 33189	Trane	Chiller	1	RTAA110AX0143	U01F01051	2001	110	R-134A	Compressor	Quarterly						
		Water Treatment / Equipment Description: 1 Trane Chiller RTAA1104XM01A3D0BGN Air Cooled										Monthly					
Grand Total for Group 33												\$0.00					
34	Internal Services Dept. Record Center 9312 NW 12 Street Miami 33172	Dunham Bush	Chiller	1	ACDX095B	9624301A97J	1997	95	R-22	Comfort	Quarterly						
		Water Treatment / Equipment Description: 1 Dunham Bush Air Cooled chiller Mod. No. ACDX095B										Monthly					
Grand Total for Group 34												\$0.00					
35	Internal Services Dept. Metro-Dade Annex Building 864 NW 23rd St Miami 33142	Trane	Chiller	1	RTAA0904XM01 B300BN	U01L02372	2001	90	R-22	Comfort	Quarterly						
		Water Treatment / Equipment Description: 1 Air Cooled Trane Chiller Model No. IM0904XMOIB300BN (90 Ton)										Monthly					
Grant Total for Group 35												\$0.00					

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Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
36	Internal Services Dept. Hialeah Court House 11 East 6 Street Hialeah, FL 33010	York	Screw	1	YCESO120SC	REMM005798	2003	110	R-22	Comfort	Quarterly						
		York	Screw	2	YUWSO120C	REMM005797	2003	110	R-22	Comfort	Quarterly						
Grant Total for Group 36												\$0.00					
Group	Department / Chiller(s) Location	Mfg.	Type	Chiller #	Model #	Serial #	Year	Ton.	Refrigerant	Type	Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
37	Internal Services Dept. Data Center 5680 SW 87 Ave Miami 33173	York	Screw	1	YSCACA-S2-CJA	SMXM902409	1990	275	R-22	Comfort	Quarterly						
		York	Screw	2	YSCACA-S2-CJA	SMXM902410	1990	275	R-22	Comfort	Quarterly						
		Trane	Screw	3	CVHE450	L00G03624	2000	325	R-123	Comfort	Quarterly						
		Water Treatment / Equipment Description: 2-813 Ton Cooling Towers & Chilled										Monthly					
Grant Total For Group 37												\$0.00					
Group	Department / Chiller(s) Location	<u>Water Treatment / Equipment Description:</u>									Frequency of PM and/or water treatment	Annual Cost Year 1	Annual Cost Year 2	Annual Cost Year 3	Annual Cost Year 4	Annual Cost Year 5	Annual Cost Year 6
	Internal Services Dept. Coral Gables Library 343 Segovia St.	EVAPCO Cooling Tower ICT 4-912, 1 Multi-Stack Chiller M570R1A2W-V (Approx 70 Ton)									Monthly						
	DC Jail 1350 NW 7th St	1 Cooling Towers <100 Tons									Monthly						
	MD Fire Rescue HQ 9300 NW 41st Street	3-400 Ton. Chillers									Monthly						
	MDTA Bus Yard 32 Ave. NW 30 St.	1 BAC Cooling Tower MOD #35479, 1 McQuay Chiller MOD. No. WRH100DW									Monthly						
	MDTA - Rapid Transit 72 Ave & 67 St	2 QUADRAFLOW Cooling Towers									Monthly						
	Metro West - N & S 13841 NW 41 ST	South Building 3 Cooling Towers, 165 Tons ea. 2-75 ton. And 1 -50 Ton Chillers on North Building.									Monthly						

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38	Miami Beach Library 2100 Collins Ave	Mod. HWS120DO	Monthly							
	Miami Lakes Library 6699 Windmill	1 EVAPCO Cooling Tower = ~ 80 Ton. DX Units. Gate Rd.	Monthly							
	S. Miami Library 6000 Sunset Dr.	TRANE Air Cooled Chillers MOD. No. 204AFAIA000F00000000T0000	Monthly							
	W.D. Regional Library 9445 Coral Way	RTHC1B1F0H0BILFV0U00; 2- WESTINGHOUSE 254AG08H37	Monthly							
	Naranja Library 14850 SW 280 St.	1 - Closed Chilled Loop 1-Closed Hot Water Loop	Monthly							
	Kendall Lakes Library 15205 SW 88th St.	1 - Closed Chiller -90 Ton Air Cooled Chiller & Closed Loop Hot Water	Monthly							
	International Mall Library 10315 NW 12th St.	Closed Loop chiller - 50 Ton Air Cooled Chiller	Monthly							
	Coral Reef Library 9211 Coral Reef Dr.	Closed Chilled Water Loop, 170 Tons No Cooling Tower	Monthly							
	Golden Glades Library 100 NE 166th St.	Closed Chilled Water Loop, 70 Tons No Cooling Tower	Monthly							
	North East Library 2930 Aventura Blvd.	Closed Loop Chiller & Closed Loop Hot Water (Currently an empty lot, system not built yet)	Monthly							
	Arcola Lakes Library 8240 NW 7th Ave	Closed Loop Chiller	Monthly							
	111 NW 1st St.	2 secondary chilled water loops = 743 tons & 267 tons with frame & plate heat exchangers. 1 emergency chilled water loop = 78 tons. With frame and plate heat exchangers.	Monthly							
140 West Flagler St.	Secondary chilled water loop - frame & plate heat exchangers = ~ 280 tons	Monthly								

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	Court House Center 175 NW 1st Ave	Secondary Chilled Water Loop - Frame & Plate Heat Exchangers = 750 Tons Secondary Chilled Water Loop - Frame & Plate Heat Exchangers = 350 Tons	Monthly						
	Cultural Center 101 West Flagler St.	One primary chilled water loop = approx. 1000 tons. Two Hot water loops, One primary and One secondary. Hot water shell and tube heat.	Monthly						
	Hickman Building 275 NW 3rd St.	Secondary Chilled Water Loop - Frame & Plate	Monthly						
	OTV 1	Secondary Chilled Water Loop - Frame & Plate	Monthly						
	OTV 2	Secondary Chilled Water Loop - Frame & Plate	Monthly						
Grand Total for Group 38							\$0.00		



Miami-Dade County
Procurement Management Services
Solicitation Submittal Form
 111 NW 1st Street, Suite 1300, Miami, FL 33128

Solicitation No. FB-00074		Solicitation Title: CHILLERS AND WATER TREATMENT SERVICE CONTRACT		
Legal Company Name (include d/b/a if applicable): <input style="width: 95%;" type="text"/>		Federal Tax Identification Number: <input style="width: 95%;" type="text"/>		
If Corporation - Date Incorporated/Organized: <input style="width: 95%;" type="text"/>		State Incorporated/Organized: <input style="width: 95%;" type="text"/>		
Company Operating Address: <input style="width: 95%;" type="text"/>		City <input style="width: 95%;" type="text"/>	State <input style="width: 95%;" type="text"/>	Zip Code <input style="width: 95%;" type="text"/>
Remittance Address (if different from ordering address): <input style="width: 95%;" type="text"/>		City <input style="width: 95%;" type="text"/>	State <input style="width: 95%;" type="text"/>	Zip Code <input style="width: 95%;" type="text"/>
Company Contact Person: <input style="width: 95%;" type="text"/>		Email Address: <input style="width: 95%;" type="text"/>		
Phone Number (include area code): <input style="width: 95%;" type="text"/>	Fax Number (include area code): <input style="width: 95%;" type="text"/>	Company's Internet Web Address: <input style="width: 95%;" type="text"/>		
<p>Pursuant to Miami-Dade County Ordinance 94-34, any individual, corporation, partnership, joint venture or other legal entity having an officer, director, or executive who has been convicted of a felony during the past ten (10) years shall disclose this information prior to entering into a contract with or receiving funding from the County.</p> <input type="checkbox"/> Place a check mark here only if Bidder/Proposer has such conviction to disclose to comply with this requirement.				
<p>LOCAL PREFERENCE CERTIFICATION: For the purpose of this certification, a "local business" is a business located within the limits of Miami-Dade County (or Broward County in accordance with the Interlocal Agreement between the two counties) that has a valid Local Business Tax Receipt, issued by Miami-Dade County; has a physical business address located within the limits of Miami-Dade County from which business is performed; and contributes to the economic development of the community in a verifiable and measurable way. This may include, but not be limited to, the retention and expansion of employment opportunities and the support and increase to the County's tax base.</p> <input type="checkbox"/> Place a check mark here only if affirming Bidder/Proposer meets requirements for Local Preference. Failure to complete this certification at this time (by checking the box above) may render the vendor ineligible for Local Preference.				
<p>LOCALLY-HEADQUARTERED BUSINESS CERTIFICATION: For the purpose of this certification, a "locally-headquartered business" is a Local Business whose "principal place of business" is in Miami-Dade County or Broward County in accordance with the Interlocal Agreement between the two counties.</p> <input type="checkbox"/> Place a check mark here only if affirming Bidder/Proposer meets requirements for the Locally-Headquartered Preference (LHP). Failure to complete this certification at this time (by checking the box) may render the vendor ineligible for the LHP. LHP is not applicable to qualitative solicitations issued, including but not limited to, Requests for Proposals and Request for Qualifications. <p>The address of the Locally-headquartered office is: <input style="width: 95%;" type="text"/></p>				
<p>LOCAL CERTIFIED SERVICE-DISABLED VETERAN BUSINESS ENTERPRISE CERTIFICATION: A Local Certified Service-Disabled Veteran Business Enterprise is a firm that is (a) a local business pursuant to Section 2-8.5 of the Code of Miami-Dade County and (b) prior to bid submission is certified by the State of Florida Department of Management Services as a service-disabled veteran business enterprise pursuant to Section 295.187 of the Florida Statutes.</p> <input type="checkbox"/> Place a check mark here only if affirming Bidder/Proposer is a Local Certified Service-Disabled Veteran Business Enterprise. A copy of the certification must be submitted with this proposal.				
SMALL BUSINESS ENTERPRISE CONTRACT MEASURES (If Applicable)				

An SBE/Micro Business Enterprise must be certified by Small Business Development for the type of goods and/or services the Bidder/Proposer provides in accordance with the applicable Commodity Code(s) for this Solicitation. For certification information contact Small Business Development at (305) 375-2378 or access <http://www.miamidade.gov/business/business-certification-programs.asp>. The SBE/Micro Business Enterprise must be certified by proposal submission deadline, at contract award, and for the duration of the contract to remain eligible for the preference. Firms that graduate from the SBE program during the contract may remain on the contract.

Is your firm a Miami-Dade County Certified Small Business Enterprise? Yes No

If yes, please provide your Certification Number:

SCRUTINIZED COMPANIES WITH ACTIVITIES IN SUDAN LIST OR THE SCRUTINIZED COMPANIES WITH ACTIVITIES IN THE IRAN PETROLEUM ENERGY SECTOR LIST:

By executing this bid through a duly authorized representative, the Bidder/Proposer certifies that the Bidder/Proposer is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, as those terms are used and defined in sections 287.135 and 215.473 of the Florida Statutes. In the event that the Bidder/Proposer is unable to provide such certification but still seeks to be considered for award of this solicitation, the Bidder/Proposer shall execute the proposal through a duly authorized representative and shall also initial this space: . In such event, the Bidder/Proposer shall furnish together with its bid response a duly executed written explanation of the facts supporting any exception to the requirement for certification that it claims under Section 287.135 of the Florida Statutes. The Bidder/Proposer agrees to cooperate fully with the County in any investigation undertaken by the County to determine whether the claimed exception would be applicable. The County shall have the right to terminate any contract resulting from this solicitation for default if the Bidder/Proposer is found to have submitted a false certification or to have been placed on the Scrutinized Companies for Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

IT IS HEREBY CERTIFIED AND AFFIRMED THAT THE BIDDER/PROPOSER SHALL ACCEPT ANY AWARDS MADE AS A RESULT OF THIS SOLICITATION. BIDDER FURTHER AGREES THAT PRICES QUOTED WILL REMAIN FIXED FOR A PERIOD OF ONE HUNDRED AND EIGHTY (180) DAYS FROM DATE SOLICITATION IS DUE.

Bidder/Proposer's Authorized Representative's Signature:

Date

Type or Print Name:

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF BIDDER/PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED ABOVE BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE PROPOSAL NON-RESPONSIVE. THE COUNTY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE BIDDER/PROPOSER TO THE TERMS OF ITS OFFER.



FAIR SUBCONTRACTING PRACTICES

In compliance with Miami-Dade County Code Section 2-8.8, the Bidder/Proposer shall submit with the proposal a detailed statement of its policies and procedures (use separate sheet if necessary) for awarding subcontractors.

NO SUBCONTRACTORS WILL BE UTILIZED FOR THIS CONTRACT

Signature

Date

Miami-Dade County

Contractor Due Diligence Affidavit

Per Miami-Dade County Board of County Commissioners (Board) Resolution No. R-63-14, County Vendors and Contractors shall disclose the following as a condition of award for any contract that exceeds one million dollars (\$1,000,000) or that otherwise must be presented to the Board for approval:

- (1) Provide a list of all lawsuits in the five (5) years prior to bid or proposal submittal that have been filed against the firm, its directors, partners, principals and/or board members based on a breach of contract by the firm; include the case name, number and disposition;
- (2) Provide a list of any instances in the five (5) years prior to bid or proposal submittal where the firm has defaulted; include a brief description of the circumstances;
- (3) Provide a list of any instances in the five (5) years prior to bid or proposal submittal where the firm has been debarred or received a formal notice of non-compliance or non-performance, such as a notice to cure or a suspension from participating or bidding for contracts, whether related to Miami-Dade County or not.

All of the above information shall be attached to the executed affidavit and submitted to the Procurement Contracting Officer (PCO)/ AE Selection Coordinator overseeing this solicitation. The Vendor/Contractor attests to providing all of the above information, if applicable, to the PCO.

Contract No. : Federal Employer Identification Number (FEIN):

Contract Title:

Printed Name of Affiant Printed Title of Affiant Signature of Affiant

Name of Firm Date

Address of Firm State Zip Code

Notary Public Information

Notary Public – State of _____ County of _____

Subscribed and sworn to (or affirmed) before me this _____ day of, _____ 20__

by _____ He or she is personally known to me _____ or has produced identification

Type of identification produced _____

Signature of Notary Public Serial Number

Print or Stamp of Notary Public Expiration Date Notary Public Seal



SUBCONTRACTOR/SUPPLIER LISTING
(Miami-Dade County Code Sections 2-8.1, 2-8.8 and 10-34)

Name of Bidder/Proposer: _____ FEIN No. _____

In accordance with Sections 2-8.1, 2-8.8 and 10.34 of the Miami-Dade County Code, this form must be submitted as a condition of award by all Bidders/Proposers on County contracts for purchase of supplies, materials or services, including professional services which involve expenditures of \$100,000 or more, and all Proposers on County or Public Health Trust construction contracts which involve expenditures of \$100,000 or more. The Bidder/Proposer who is awarded this contract shall not change or substitute first tier subcontractors or direct suppliers or the portions of the contract work to be performed or materials to be supplied from those identified, except upon written approval of the County. The Bidder/Proposer should enter the word "NONE" under the appropriate heading of this form if no subcontractors or suppliers will be used on the contract and sign the form below.

In accordance with Ordinance No. 11-90, an entity contracting with the County shall report the race, gender and ethnic origin of the owners and employees of all first tier subcontractors/suppliers. In the event that the recommended Bidder/Proposer demonstrates to the County prior to award that the race, gender, and ethnic information is not reasonably available at that time, the Bidder/Proposer shall be obligated to exercise diligent efforts to obtain that information and provide the same to the County not later than ten (10) days after it becomes available and, in any event, prior to final payment under the contract.

(Please duplicate this form if additional space is needed.)

Business Name and Address of First Tier Direct Supplier	Principal Owner	Supplies/ Materials/ Services to be Provided by Supplier	Principal Owner (Enter the number of male and female owners by race/ethnicity)								Employee(s) (Enter the number of male and female employees and the number of employees by race/ethnicity)								
			M	F	White	Black	Hispanic	Asian/Pacific Islander	Native American/ Native Alaskan	Other	M	F	White	Black	Hispanic	Asian/Pacific Islander	Native American/ Native Alaskan	Other	

Business Name and Address of First Tier Subcontractor/ Subconsultant	Principal Owner	Scope of Work to be Performed by Subcontractor/ Subconsultant	Principal Owner (Enter the number of male and female owners by race/ethnicity)								Employee(s) (Enter the number of male and female employees and the number of employees by race/ethnicity)									
			M	F	White	Black	Hispanic	Asian/Pacific Islander	Native American/ Native Alaskan	Other	M	F	White	Black	Hispanic	Asian/Pacific Islander	Native American/ Native Alaskan	Other		

Mark here if race, gender and ethnicity information is not available and will be provided at a later date. This data may be submitted to contracting department or on-line to the Small Business Development of the Internal Services Department : <http://www.miamidade.gov/business/business-development-contracts.asp>. As a condition of final payment, Bidder/Proposer shall provide subcontractor information on the Subcontractor Payment Report Sub 200 form which can be found a <http://www.miamidade.gov/business/library/forms/subcontractors-payment.pdf>

I certify that the representations contained in this Subcontractor/Supplier listing are to the best of my knowledge true and accurate.

Signature of Bidder/Proposer Print Name Print Title Date

ATTACHMENT A
Site Visit Schedule

DAY 1	
Tuesday, June 3, 2014 at 9:00 AM bidders are to meet at the Seaport Department: Terminal B & C 1740 N. Cruise Blvd. Miami 33132	
<u>Group</u>	<u>Department / Chiller(s) Location</u>
11	Seaport Department Terminal B & C 1740 N. Cruise Blvd. Miami 33132
<u>Group</u>	<u>Department / Chiller(s) Location</u>
12	Seaport Department Terminal F & G, Miami 33132
<u>Group</u>	<u>Department / Chiller(s) Location</u>
13	Seaport Department 1080 RCCL Bldg. 1080 Caribbean Way, Miami 33132
<u>Group</u>	<u>Department / Chiller(s) Location</u>
14	Seaport Department 1050 RCCL Bldg. 1050 Caribbean Way, Miami 33132
<u>Group</u>	<u>Department / Chiller(s) Location</u>
15	Seaport Department Terminal D 1265 N. Cruise Blvd, Miami 33132
<u>Group</u>	<u>Department / Chiller(s) Location</u>
16	Seaport Department Terminal E 1435 N. Cruise Blvd, Miami 33132
<u>Group</u>	<u>Department / Chiller(s) Location</u>
17	Seaport Department 1001 & 1015 Bldgs, Miami 33132
<u>Group</u>	<u>Department / Chiller(s) Location</u>
18	Seaport Department Terminal H, Miami 33132
<u>Group</u>	<u>Department / Chiller(s) Location</u>
19	Seaport Department 1007 Bldg., Miami 33132
<u>Group</u>	<u>Department / Chiller(s) Location</u>
20	Seaport Department Terminal J, Miami 33132

ATTACHMENT A
Site Visit Schedule

DAY 2	
Wednesday, June 4, 2014 at 9:00 AM bidders are to meet at the John D. Campbell Center: 18710 SW 288 Street, Miami 33030	
<u>Group</u>	<u>Department / Chiller(s) Location</u>
32	Internal Services Dept. John D. Campbell Center 18710 SW 288 Street, Miami 33030
<u>Group</u>	<u>Department / Chiller(s) Location</u>
33	Internal Services Dept. South Dade Regional Library 10750 SW 211 Street, Miami 33189
<u>Group</u>	<u>Department / Chiller(s) Location</u>
31	Internal Services Dept. South Dade Government Bldg 10710 SW 211 Street, Miami, 33189
<u>Group</u>	<u>Department / Chiller(s) Location</u>
7	Miami Dade Parks and Recreation Miami Metro Zoo 12400 SW 152 Street, Miami 33196
<u>Group</u>	<u>Department / Chiller(s) Location</u>
9	Miami Dade Parks and Recreation Deering Estates 16701 SW 72 Avenue, Miami 33157
<u>Group</u>	<u>Department / Chiller(s) Location</u>
37	Internal Services Dept. Data Center 5680 SW 87 Ave, Miami 33173

ATTACHMENT A
Site Visit Schedule

DAY 3	
Thursday, June 5, 2014 at 9:00 AM bidders are to meet at the Crandon Tennis Stadium: 7300 Crandon Blvd, Key Biscayne 33149	
<u>Group</u>	<u>Department / Chiller(s) Location</u>
10	Miami Dade Parks and Recreation Crandon Tennis Stadium 7300 Crandon Blvd, Key Biscayne 33149
<u>Group</u>	<u>Department / Chiller(s) Location</u>
26	Internal Services Dept. Central Support Facility 200 NW 1st Street, Miami 33128
<u>Group</u>	<u>Department / Chiller(s) Location</u>
22	Miami Dade Public Housing Community Development Harry Cain Towers 490 NE 2nd Avenue, Miami 33132
<u>Group</u>	<u>Department / Chiller(s) Location</u>
27	Internal Services Dept. North District Chiller Plant 1110 NE 1st Avenue, Miami, FL 33132
<u>Group</u>	<u>Department / Chiller(s) Location</u>
4	Miami Dade Corrections Womens Detention Center 1401 NW 7 Avenue, Miami 33136
<u>Group</u>	<u>Department / Chiller(s) Location</u>
35	Internal Services Dept. Metro-Dade Annex Building 864 NW 23rd St, Miami 33142
<u>Group</u>	<u>Department / Chiller(s) Location</u>
28	Internal Services Dept. Medical Examiner's Building 1 Bob Hope Road, Miami 33136
<u>Group</u>	<u>Department / Chiller(s) Location</u>
24	Internal Services Dept. Graham Building 1350 NW 12 Avenue, Miami 33136
<u>Group</u>	<u>Department / Chiller(s) Location</u>
6	Miami Dade Corrections Pre-trial Detention Center 1321 NW 13 Street, Miami 33125
<u>Group</u>	<u>Department / Chiller(s) Location</u>
30	Internal Services Dept. Metro Justice Building 1351 NW 12 Street, Miami 33125
<u>Group</u>	<u>Department / Chiller(s) Location</u>
21	Miami Dade Public Housing Community Development Robert King High Towers 1407 NW 7th Street, Miami 33125

ATTACHMENT A
Site Visit Schedule

DAY 4	
Friday, June 6, 2014 at 9:00 AM bidders are to meet at the Record Center: 9312 NW 12 Street, Miami 33172	
<u>Group</u>	<u>Department / Chiller(s) Location</u>
34	Internal Services Dept. Record Center 9312 NW 12 Street, Miami 33172
<u>Group</u>	<u>Department / Chiller(s) Location</u>
3	Miami-Dade Police Dept. 9105 NW 25 Street, Miami, 33172
<u>Group</u>	<u>Department / Chiller(s) Location</u>
5	Miami Dade Corrections Turner Guilford Knight Detention Center 7000 NW 41 Street, Miami 33166
<u>Group</u>	<u>Department / Chiller(s) Location</u>
1	Miami Dade Transit Dept. William Lehman Facility 6601 NW 72 Ave. Miami 33166
<u>Group</u>	<u>Department / Chiller(s) Location</u>
36	Internal Services Dept. Hialeah Court House 11 East 6 Street, Hialeah, FL 33010
<u>Group</u>	<u>Department / Chiller(s) Location</u>
2	Miami Dade Transit Dept. Central Administration Building 3300 NW 32 Ave. Miami 33142
<u>Group</u>	<u>Department / Chiller(s) Location</u>
25	Internal Services Dept. Joseph Caleb Center 5400 NW 22 Avenue, Miami 33142
<u>Group</u>	<u>Department / Chiller(s) Location</u>
29	Internal Services Dept. North Dade Justice Building 15555 Biscayne Blvd. Miami 33160
<u>Group</u>	<u>Department / Chiller(s) Location</u>
8	Miami Dade Parks and Recreation Country Club of Miami 6801 Miami Gardens Dr. Miami 33015

Document 0040**Economic Opportunity and Affirmative Marketing Plan****APPENDIX**
PUBLIC HOUSING AND COMMUNITY DEVELOPMENT (PHCD)
SECTION 3 OF THE HUD ACT OF 1968

CONE OF SILENCE EXEMPTION. PHCD staff and bidders may communicate orally while a bid is in progress and prior to award of bid to clarify Section 3 definitions, requirements and business preference procedures, pursuant to the Miami-Dade Commission on Ethics opinion on March 10, 2004.

I. GENERAL REQUIREMENTS FOR PHCD ONLY

This contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968 and the implementing regulations in 24 Code of Federal Regulations (CFR) Part 135, as amended by interim rule published on June 30, 1994 (59 FR 33866). Bidders interested in receiving copy of this regulation may email their request to Public Housing and Community Development (PHCD) Resident Services Unit at section3@miamidade.gov. Section 3 requires that, to the greatest extent feasible and consistent with Federal, State and local laws and regulations, job training, employment, and contracting opportunities be directed to low and very-low income persons. Contractors must familiarize themselves with Section 3 regulations and requirements.

This contract is also subject to federal affirmative marketing plan requirements, which require the contractor to take all necessary affirmative marketing steps to ensure small, minority and women-owned business enterprises are used only, if subcontracting is applicable to this contract.

II. SECTION 3 DEFINITIONS

The term "Section 3 business" is defined as follows:

Firms owned by Miami-Dade County (M-DC) residents who meet M-DC's low income household limits (see "Miami-Dade Income Limits") or whose firms include 30% of these persons as full-time employees.

The term "new hires" is defined as follows:

New hires means full-time employees for permanent, temporary or seasonal employment opportunities and include, but are not necessarily limited to, all management, maintenance, clerical and administrative jobs arising in connection with the development(s) stipulated in the contract award.

The term "Section 3 Resident" is defined as follows:

A **Section 3 Resident** is an individual who lives in Miami-Dade County and (a) is a resident of public housing; **or** (b) is a resident of another federally assisted housing program (Section 8, Section 202, etc.); **or** is a current recipient or participant in a public assistance program (TANF, JTPA, etc.); **or** (c) whose family household income meets the definition of a low-or very-low income family (see no. 5, below).

SOLICITATION TITLE: A/C Chillers / Water Treatment – Service Contract

The current Miami-Dade Income Limits are as follows:

MIAMI-DADE 2012 INCOME LIMITS

	1 Person	2 Person	3 Person	4 Person	5 Person	6 Person	7 Person	8 Person
Very Low Income (50%)	\$23,000	\$26,250	\$29,550	\$32,800	\$35,450	\$38,050	\$40,700	\$43,300
Low-Income (80%)	\$36,750	\$42,000	\$47,250	\$52,500	\$56,700	\$60,900	\$65,100	\$69,300

III. SECTION 3 BID PREFERENCE TERMS AND REQUIREMENTS

Preference in the award of PHCD requests for quotes under this contract will be provided as follows:

1. Bids are being solicited from all businesses. If no responsive bid by a PHCD pre-certified Section 3 business meets the "X" factor, as defined below, the contract may be awarded to the lowest responsive, responsible bidder.
2. Where applicable, an award will be made to the LOWEST responsive, responsible pre-certified Section 3 business, with the highest priority ranking, as stipulated under Section III, "Section 3 Business Priority Rankings", if that bid: is within the maximum total contract price established in PHCD's budget, and is not more than "X" higher than the total bid price of the lowest responsive bid from any responsible bidder. "X" is determined as follows:

Bid Amount	X = Lesser of:
When the lowest responsive bid is less than \$100,000	10% of that bid, up to \$9,000
When the lowest responsive bid is between:	
\$100,000, but less than \$200,000	9% of that bid, up to \$16,000
\$200,000, but less than \$300,000	8% of that bid, up to \$21,000
\$300,000, but less than \$400,000	7% of that bid, up to \$24,000
\$400,000, but less than \$500,000	6% of that bid, up to \$25,000
\$500,000, but less than \$1 million	5% of that bid, up to \$40,000
\$1 million, but less than \$2 million	4% of that bid, up to \$60,000
\$2 million, but less than \$4 million	3% of that bid, up to \$80,000
\$4 million, but less than \$7 million	2% of that bid, up to \$105,000
\$7 million or more	1 %of lowest/responsive bid, with no dollar limit

3. For information on how to become a PHCD-certified Section 3 business, download application at www.miamidade.gov/housing/section3 or email, PHCD Resident Services Unit, at section3@miamidade.gov.
4. **In order for bidder to qualify for a Section 3 contracting preference**, bidder must be pre-certified by PHCD as a Section 3 business, at least two weeks prior to the bid opening date, and submit **Document 00200-B, "Section 3 Business Preference Claim"** (Attachment 2) with bid quote.
5. Section 3 businesses are required to comply with procedures listed under Section IV, "Section 3 Required Documents to Be Submitted with Each PHCD Bid (When Subcontracting is Not Applicable)", page 3, and Section VI "Section 3 Required Contractor and Subcontractor Post-Award Procedures (PHCD Projects Only)".

SOLICITATION TITLE: A/C Chillers / Water Treatment – Service Contract

6. **SECTION 3 BUSINESS PRIORITY RANKINGS:** (The highest priority ranking (PR) is #1.)

PR#1: 51% or more owned by PHCD public housing residents, **or** whose full-time, permanent work force includes 30 percent of these persons as employees (**Category 1 Businesses**);

PR#2: Business owners who are or were participants (within last three years) in HUD Youth build programs currently operating in Miami-Dade County. For more information, contact YWCA of Greater Miami, Inc., at 305- 377-9922, or Fax 305-373-9922 (**Category 2 Businesses**);

PR#3: 51% or more owned by residents of a federally assisted housing program, such as Section 8, Section 202, HOME, etc., **or** whose full-time, permanent work force includes no less than 30 percent of those persons as employees (**Category 3 Businesses**);

PR#4: a) 51 percent or more owned by low or very low-income persons who reside in Miami-Dade County; **or** whose permanent, full-time work force includes no less than 30 percent of low-income Miami-Dade County persons as employees, including persons that are not currently low or very low-income persons but were low or very-low-income persons, as long as the date of first employment with the business concern has not exceeded a period of three years (see Section II. no. 4", for current Miami-Dade low and very-low income limits); **or**

b) Provide evidence of a commitment to subcontract in excess of 25 percent of the total amount of subcontracts to be awarded to business concerns identified under Priority # 1 (category 1 businesses only (PR#4 a and b above are **Category 4 Businesses**).

IV. **SECTION 3 REQUIRED DOCUMENTS TO BE SUBMITTED WITH EACH PHCD BID (WHEN SUBCONTRACTING IS NOT APPLICABLE)**

This contract is a Section 3 covered activity (PHCD only). Section 3 requires that job training, employment and contracting opportunities be directed toward low and very-low income persons and to businesses that provide economic opportunities to those persons.

All bidders are required to execute and submit Document 00400, "Section 3 Economic Opportunity and Affirmative Marketing Plan (Plan)", with the bid (see Appendix Attachment 1). An executed Plan document is the bidder's certification that he or she will take all necessary affirmative marketing steps required, in connection with PHCD project award, to (a) meet Section 3 training and employment goals, where feasible, when filling vacant or new positions resulting from PHCD awards, and also seek to recruit qualified minorities and women to fill vacant or new positions resulting from PHCD awards; and (b) meet Section 3 subcontract goals and ensure small minority and women subcontractors are used (where applicable is permitted).

V. **SECTION 3 OPTIONAL DOCUMENT (TO BE SUBMITTED WITH BID)**

Bidders who wish to claim a Section 3 bid preference, are required to submit *Document 00200-B, "Section 3 Business Preference Claim"* (Attachment 2), with the bid (see Section II., Section 3 Bid Preference Terms and Requirements, page 2). Only bidders who have been pre-certified by PHCD as a Section 3 business shall be eligible to claim a Section 3 business preference.

SOLICITATION TITLE: A/C Chillers / Water Treatment – Service Contract

VI. SECTION 3 POST-AWARD PROCEDURES (PHCD PROJECTS ONLY)

1. The contractor must submit required PHCD post-award forms (presented at a PHCD post-award meeting), during the performance of the contract in the frequency and format requested by PHCD.
2. Contractor will be required to submit documentation to PHCD of efforts and results made to train and employ Section 3 residents (resulting from PHCD awards only) in accordance with his or her Plan during the performance of the contract in the format and frequency required by PHCD.
3. Contractor, including any Section 3, small, minority or women-owned business concern awarded work through this PHCD project, must commit to train and employ qualified Section 3 residents (only where vacant or new positions exist in connection with this award) to the greatest extent feasible, not less than **30% of the total number of new hires, but no less than one, whichever is greater**, within their labor force during the term of the contract, in the priority order indicated under Section VII, "Section 3 Resident Priority Order for Training and Employment Opportunities", no.8, below.
4. Contractor is also required to undertake efforts to hire public housing, Section 8 and other Section 3 residents (only where vacant or new positions exist in connection with this award), in part-time positions, for permanent, temporary, or seasonal employment.
5. In addition to nos. 1 and 2 above, contractors must solicit to all minorities and women when filling vacant or new full-time or part-time positions generated through PHCD projects.
6. Contractor must explain to all job applicants how to claim a Section 3 preference (using PHCD forms provided at each pre-construction meeting) and show them the Miami-Dade income chart, included under Section II, page 1.
7. When there is a need for new hires, contractor must include Section 3 preference language in job news ads, flyers, and community notice. Notices must be placed at the site where work is to take place and in the surrounding community.
8. When there is a need for new hires resulting from PHCD awards, contractor must carry out recruitment in accordance with the training and employment recruitment requirements listed in Contractor's Plan (see Document 00400, Attachment 1).

VII. SECTION 3 RESIDENT PRIORITY ORDER FOR TRAINING AND EMPLOYMENT OPPORTUNITIES

1. PHCD public housing residents (Category 1 residents);
2. Participants in HUD Youth build programs currently operating in Miami-Dade County. For more information, contact YWCA of Greater Miami, Inc. at 305-377-9922, or Fax 305-373-9922 (Category 2 residents);
3. Recipients of federal government housing assistance programs, such as Section 8, Section 202, HOME, etc., or who are participants in a federally funded job training program, such as J.T.P.A., etc. (Category 3 residents); or
4. Other individuals who reside in Miami-Dade County, and meet the definition of a low, or very low-income person, as defined, in the current Miami-Dade Income limits (Category 4 residents).

VIII. WELFARE-TO-WORK TAX INCENTIVE AND WORK OPPORTUNITY TAX CREDIT PROGRAM

For information and application assistance, contact the South Florida Workforce, at 305-693-2060, 7900 NW 27 Avenue, Miami, FL 33147.

SOLICITATION TITLE: A/C Chillers / Water Treatment – Service Contract

IX. SECTION 3 CLAUSE

The *Section 3 Clause* found at Section 3 regulation, 24 CFR Part 135, p.135.38, must be included in all Section 3 covered contracts. The awarded contractor and subcontractors (where applicable) will be bound by its provisions and the *Clause* and must be included in all subcontractor agreements.

SECTION 3 CLAUSE

- a. The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (Section 3). The purpose of Section 3 is to ensure that the employment and other economic opportunities generated by HUD assistance of HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low and very low income persons, particularly persons who are recipients of HUD assistance for housing.
- b. The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement Section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the Part 135 regulations.
- c. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or worker's representative of the contractor's commitments under this section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.
- d. The contractor agrees to include this Section 3 clause in every subcontract subject to be in compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.
- e. The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed; and (2) with persons other than those to whom the regulations of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR part 135.
- f. Noncompliance with HUD's regulations in 24 CFR Part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.
- g. With respect to work performed in connection with Section 3 covered Indian housing assistance, Section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises Parties to this contract that are subject to the provisions of Section 3 and Section 7(b) agree to comply with Section 3 to the maximum extent feasible, but not in derogation of compliance with Section 7(b).

Section 3 Economic Opportunity and Affirmative Marketing Plan (Plan)

Firm Name: _____ Contact Name: _____

The individual above, (consultant), is responsible for planning, implementing and tracking firm's Section 3 (S-3) and affirmative marketing training, employment and contracting goals applicable to Public Housing and Community Development (PHCD) projects and must comply with United States Housing and Urban Development's (USHUD) S-3 regulation at 24 CFR Part 135.

Recruitment Procedures Required to Fill Vacant or New Contractor or Consultant or Subcontractor Positions (only if subcontracting is permitted) Resulting from all PHCD Project Awards

1. The PHCD Section 3 Coordinator may assist by providing referrals for economic opportunities from public housing, other housing program recipients and Section 3 residents.
2. Advertise at job site and surrounding neighborhood for targeted workers and use *Document 00404*, "**Section 3 Language for News Ads, Flyers and Job Notices**" in all job notices & flyers.
3. Schedule a time and place convenient for public housing, other S-3 residents (listed under no. 1 above), minorities and women to complete job applications.
4. Contact YWCA of Greater Miami, Inc. at 305-377-9922, or fax 305-373-9922, for HUD Youth build employment referrals.
5. Send notices about S-3 training and employment obligations and opportunities required for Miami-Dade Public Housing Agency projects to labor organizations, where applicable (review **Section 3 Clause**).
6. Present *Document 00401*, "**Section 3 Resident Preference Claim Form**" to all job applicants, explaining S-3 residents will receive preference in the recruitment process, if they meet minimum job eligibility criteria.
7. Ensure applicants that claim a S-3 preference provide proof as described in *Document 00401*, or complete *Document 00402*, "**Section 3 Resident or Employee Household Income Certification Form**" (Public housing residents must receive the highest preference points during the interview/selection process.)
8. Consultant and sub consultants are required to: (a) establish files to document all recruitment efforts and results when filling vacancies or new positions in connection with PHCD projects; (b) use *Document 00403*, "**Training & Employment Outreach Documentation**" form to document agency referral responses, and (c) produce evidence of recruitment efforts to PHCD as requested.
9. Consultant is responsible for collection of sub consultant(s) training and employment documentation outreach efforts (described under no. 8), new hire reports (required) and weekly employment forms (only when sub consultant(s) hire workers for vacant or new positions in connection with PHCD awards).

Forms described above, under nos. 2 and 6-8, are post-award forms, applicable to successful PHCD bidder only, and will be distributed at each pre-construction meeting.

Contractor's Recruitment of Section 3, Small, Minority and Women-Owned Businesses (Solicitation Requirements Applicable only on Projects which permit Subcontracting).

Consultant will follow Plan's affirmative marketing steps for each PHCD award, when he or she subcontracts work, to award a minimum goal of 10% of the overall award amount to S-3 businesses, where feasible, and ensure small, minority and women-owned businesses are used (definitions of a S-3 business and a small, minority and/or women-owned business may overlap, permitting S-3 and affirmative marketing goals in these awards to be simultaneously met). Consultants who subcontract work are required to provide PHCD with a written explanation if the S-3 minimum subcontracting goal is not met.

SOLICITATION TITLE: A/C Chillers / Water Treatment – Service Contract

Consultant shall demonstrate compliance in solicitation to the business categories, listed above, by following the steps described on page two of this Plan and providing evidence to PHCD when requested.

1. Refer any interested sub consultants that may meet the criteria to become a certified S-3 business to *PHCD Resident Services Unit* for S-3 business application assistance. The application to become a Section 3 pre-certified business is available at <http://www.miamidade.gov/housing/section3.asp>.
2. You may solicit Section 3 pre-certified businesses from PHCD S-3 business lists by emailing a request to the Section 3 Coordinator at section3@miamidade.gov.
3. Contact *Division of Small Business Development (SBD)*, 305-375-3111 or via email miamidade.gov to obtain lists of small, minority and/or women-owned businesses. Solicitations and awards must be made, where feasible, to various minority-owned firms, including minorities other than firm's own minority, and to women firms.
4. Advertise for S-3 sub consultants/subcontractors (subs) in construction trade journals, such as "The Dodge Reports", and post notices and distributes flyers at work site and surrounding neighborhood. The purpose of such advertisements is to make prospective subs aware of the Section 3 preference requirements applicable to PHCD project awards.
5. Fax, send or deliver **"Sub consultant Solicitation to Section 3, Small, Minority and Women Businesses"** form, to all prospective sub consultant firms solicited for each PHCD award.
6. Allow each sub consultant *a minimum of five business days* to respond to consultant's solicitation request. Include all **"Letters of Intent"** forms received from S-3, small, and minority, and women-owned sub consultants. Request sub consultants not interested or unavailable to bid to provide consultant with **"Certificate of Unavailability"** form.
7. Use the **"Outreach Documentation Form"** to document recruitment and follow-up with sub consultants. Make a second attempt to solicit to any S-3 firms who did not respond to the first solicitation attempt, using a variety of communication methods, i.e. facsimile, telephone, pager, e-mail, etc.
8. Consultants are required to negotiate with S-3 businesses, first and small, minority and women-owned businesses; second, if the sub consultant's bid amount would make the project infeasible.
9. Submit the following evidence to PHCD when requested (described under nos. 3-8 above and under "Contractors Recruitment of S-3, Small, Minority and Women businesses", page one, para. one). Other post-award required submittals include Document 00430, "List of Subcontractors/Sub consultants", and, from consultant and its sub consultants or subcontractors, Documents 00450, 00452 and 00453, "Estimated Workforce Breakdown", "Employee List" and "Consultant/Sub consultant Certification".
10. For each PHCD project award, retain documentation of outreach efforts and responses received from any organizations and sub consultants contacted for three years after project is completed.

Forms described above, under nos. 5-9, are post-award forms, applicable only if successful bidder will be subcontracting (where subcontracting is permitted)

(To obtain copies or additional information send request to PHCD Section 3 Coordinator at email section3@miamidade.gov).

Sign and Print Firm Official's Name and Title

Submission Date ____/____/____

Firm Name/Address

Firm Telephone and Fax Numbers: _____

SOLICITATION TITLE: A/C Chillers / Water Treatment – Service Contract

DOCUMENT REQUIRED WITH BID
DOCUMENT 00200-B

ATTACHMENT 2

SECTION 3 BUSINESS PREFERENCE CLAIM FORM

This document applies to current PHCD certified Section 3 (S-3) businesses who wish to claim a bidder's preference. S-3 businesses must become certified at least two weeks prior to bid opening date to be eligible to claim S-3 bidder's preference. The S-3 Business application is available at <http://www.miamidade.gov/housing/section3.asp> or by request to the Section 3 Coordinator, at email section3@miamidade.gov.

Only initial those items applicable to your firm.

1. ____ (Initial) _____ (Firm Name) was certified by PHCD as a S-3 Business on ____ (Date). Said firm is claiming a preference for the bid, identified below.
2. ____ (Initial) Firm's original business certification was based on proof that firm owner was low or very low income. Firm owner's current family income meets the definition of a very-low or low-income household.
3. ____ (Initial) Said firm certifies, below, with the firm president's signature, that the full-time employee composition, and the ratio of S-3 full-time employees to non-S-3 employees continues to be at least 30% or higher.
4. ____ (Initial) Said firm has attached Document 00452, "Employee List". This list includes all current employees and is back-up for item no. 3 above.
5. ____ (Initial) Said firm has attached, for each new S-3 employee (hired since original business certification date shown under item one above, if this proof has not previously been provided to PHCD Office of Compliance staff), Documents 00401, "Resident or Employee Preference Claim" and 00402, "Household Income Verification", or other applicable documentation, to demonstrate whether any new employees who have been hired after date of business certification meet the definition of a low or very-low income Miami-Dade family (based on household size and family income).

If items 4 and 5 above are initialed by bidder and/or applicable to bidder, bidder must attach the listed S-3 documentation. FAILURE TO DO SO SHALL INVALIDATE BIDDER'S S-3 BUSINESS PREFERENCE CLAIM.

SOLICITATION NUMBER _____ SOLICITATION TITLE _____

FIRM NAME (Please print or type) _____

PRESIDENT'S NAME (Please print or type) _____

PRESIDENT'S SIGNATURE: _____

PHONE AND FAX NUMBERS: _____

DATE: ____ / ____ / ____

Question and Answers for Bid #FB-00074 - CHILLERS AND WATER TREATMENT SERVICE CONTRACT

OVERALL BID QUESTIONS

There are no questions associated with this bid. If you would like to submit a question, please click on the "Create New Question" button below.