



THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA
 SCHOOL BOARD ADMINISTRATION BUILDING
 1450 Northeast Second Avenue
 Miami, FL 33132

BIDDER QUALIFICATION FORM

BID NO. 040-DD06

BID TITLE Chiller Service Contracts

Direct all inquiries to Procurement Management Services:

BUYER NAME:
G. Jackson

E-MAIL ADDRESS: gjackson@dadeschools.

PHONE: (305) 995-2345

FAX NUMBER (305) 523-2214

TDD PHONE (305) 995-2400

Bids will be accepted until 2:00 PM on February 24, 2004 in room 351, School Board Administration building, 1450 NE 2nd Avenue, Miami, FL., 33132, at which time they will be publicly opened. Bids may not be withdrawn for 120 days after opening. (Refer to Instructions to Bidders, para. IV.B.)

THE SUBMISSION OF THE BID BY THE VENDOR, ACCEPTANCE AND AWARD OF THE BID BY THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA, AND SUBSEQUENT PURCHASE ORDERS ISSUED AGAINST SAID AWARD SHALL CONSTITUTE A BINDING, ENFORCEABLE CONTRACT. UNLESS OTHERWISE STIPULATED IN THE BID DOCUMENTS, NO OTHER CONTRACT DOCUMENTS SHALL BE ISSUED.

I. A. **BIDDER CERTIFICATION AND IDENTIFICATION**

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this bid; and I certify that I am authorized to sign this bid for the bidder.

B. Vendor certifies that it satisfies all necessary legal requirements as an entity to do business with the School Board of Miami-Dade County, Florida.

II. **INDEMNIFICATION**

The Bidder shall hold harmless, indemnify and defend the indemnities (as hereinafter defined) against any claim, action, loss, damage, injury, liability, cost or expense of whatsoever kind or nature including, but not by way of limitation, attorney's fees and court costs arising out of bodily injury to persons, including death, or damage to tangible property arising out of or incidental to the performance of this Contract (including goods and services provided thereto) by or on behalf of the Bidder, whether or not due to or caused in part by the negligence or other culpability of the indemnity, excluding only the sole negligence or culpability of the indemnity. The following shall be deemed to be indemnities: The School Board of Miami-Dade County, Florida and its members, officers and employees.

III. **PERFORMANCE SECURITY**, is required on this bid. YES NO

Refer to **INSTRUCTIONS TO BIDDERS**, para. VII., and VI.

IF PERFORMANCE SECURITY IS REQUIRED, PLEASE INDICATE THE TYPE TO BE FURNISHED:

Performance Bond Check (Cashier's, Certified, or equal)

**An original, manual signature is required on the Bidder Qualification Form.
 (Bidder is requested to use blue ink)
 (Do not use pencil)**

Legal Name of Vendor _____
Mailing Address _____
City _____ **State** _____ **Zip Code** _____
Telephone No. _____ **E-mail address** _____
By: Signature (Original)
 Of Authorized Representative _____ **Date** _____
Name (Typed or Printed)
 Of Authorized Representative _____ **Date** _____

INSTRUCTIONS TO BIDDERS

NOTICE OF ESTABLISHMENT OF A CONE OF SILENCE

The School Board of Miami-Dade County Public schools enacts a *Cone of Silence* from issuance of a solicitation to written recommendation of award. All provisions of School Board Rule 6Gx-8C-1.212 apply.

I. PREPARATION OF BIDS

A. BIDDER QUALIFICATION FORM qualifies the bidder and the bid and must be completed and submitted as page 1 of the bid.

1. PERFORMANCE SECURITY. The form of performance security the bidder will submit, when required to do so, must be furnished. Performance security shall not be submitted with the bid.

2. BIDDER CERTIFICATION AND IDENTIFICATION. Bid must contain an original manual signature from an authorized representative. An unsigned bid will be considered non responsive.

B. INSTRUCTIONS TO BIDDERS. Defines conditions of the bid.

1. ORDER OF PRECEDENCE. Any inconsistency in this bid shall be resolved by giving precedence in the following order:

- A. Specifications
- B. Special Conditions
- C. Instructions To Bidders

2. FOR MWBE designated bids. The SPECIAL CONDITIONS-Minority/Women owned and controlled Business Participation Statement and the MWBE Certification Application MUST be completed and SUBMITTED with the bid if the bidder is not certified by Miami-Dade County Public Schools. Failure to submit the completed application with the bid will be considered non responsive.

C. BID PROPOSAL FORM. Defines requirement of items to be purchased, and must be completed and submitted as page 2 and subsequent pages, if any, of the bid. The bidder should indicate his/her name in the appropriate space on each page.

1. ITEM SPECIFICATION. Specifying a certain brand, make or manufacturer is to denote the quality, type, and standard of the article desired. Articles offered must be new merchandise only, of equal or superior grade. On blank lines provided, the bidder is requested to insert the brand name, manufacturer's number and other information necessary to sufficiently identify article offered. Failure to do so may prevent consideration of the item. Also, refer to paragraph X. *Packaging*.

2. PRICES. Prices are requested in units of quantity specified in the bid specifications. In case of a discrepancy in computing the total amount of bid, UNIT PRICE quoted will govern. All prices bid shall include delivery F.O.B. destination, freight prepaid (bidder pays and bears freight charges. Bidder owns goods in transit and files any claims) and shall include all cartage, drayage, packing, etc., delivered to and unloaded at the receiving station at the site designated in BID PROPOSAL FORMS and there received by the designated agent of the Board.

3. TAXES. The Board does not pay Federal Excise and State taxes on direct purchases of tangible personal property. The applicable tax exemption number is shown on the purchase order. This exemption does not apply to purchases of tangible personal property made by contractors who use the tangible personal property in the performance of contracts for the improvement of Board-owned real property as defined in Chapter 192 of the Florida Statutes.

II. SUBMITTING OF BIDS

A. BID FORMS AND ENVELOPES. Bids must be submitted on forms furnished by the Board and in sealed envelopes.

Envelopes must be clearly marked with bid number, bid title and bid opening.

B. ERASURES OR CORRECTIONS. When filling out the bid proposal form, bidders are required to complete bid proposal in ink.

1. Use of pencil is prohibited.

2. Do not erase or use correction fluid to correct an error.

3. All changes must be crossed out and initialed in ink.

Those bids for individual items that do not comply with items 1, 2 and 3 above will be considered non responsive for that item(s).

C. PLACE, DATE AND HOUR. Bids shall be submitted by U.S. Mail, Courier/Express Service, or deposited in the BID BOX located in Room 351, 8:00 A.M. to 4:30 P.M., Monday through Friday, SCHOOL BOARD ADMINISTRATION BUILDING, 1450 N.E. Second Avenue, Miami, Florida 33132. Bids received after the date and hour specified in the BIDDER QUALIFICATION FORM will not be considered.

D. PUBLIC ENTITY CRIMES. Section 287.133(2)(a) Florida Statute. A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

E. SUBMITTING A "NO BID." If not submitting a bid at this time, return the form entitled "NOTICE TO PROSPECTIVE BIDDERS." Failure to respond, either by submitting a bid or the "NOTICE TO PROSPECTIVE BIDDERS" form for three consecutive times, may result in the company being removed from the School Board's bid list.

F. AVAILABILITY OF BID INFORMATION. Immediately following the public opening, bids will be read, upon request, and then compiled in a tabular form, a copy of which will be available for examination in Procurement Management Services.

III. CANCELLATION OF BIDS OR REQUEST FOR PROPOSALS

An invitation for bids may be canceled, in whole or in part, as may be specified in the solicitation, when it is in the best interest of the Board. The reasons shall be made a part of the master bid file.

A. Prior to opening, a solicitation may be canceled in whole or in part, prior to the date and hour specified in the Bidder Qualification Form for receipt of bids, when the Assistant Superintendent, Procurement Management Services, determines in writing, that such action is in the best interest of the Board for reasons including, but not limited to:

1. The Board no longer requires the supplies, services, or construction;
2. The Board no longer can reasonably expect to fund the procurement;
3. A review of a valid protest filed by a bidder as may be determined by the administrative staff; and
4. Proposed amendments to the solicitation would be of such magnitude that a new solicitation is desirable.

B. When a solicitation is canceled prior to opening, notice of cancellation shall be sent to all businesses solicited, via facsimile or mail, and bids or proposals returned to the vendor unopened.

The notice of cancellation shall:

1. Identify the solicitation;
2. Briefly explain the reason for cancellation; and
3. Where appropriate, explain that an opportunity will be given to compete on any future re-solicitation for procurements of similar supplies, services, or construction

IV. CHANGE OR WITHDRAWAL OF BIDS

A. PRIOR TO BID OPENING. Should the bidder desire to change or withdraw his/her bid, he/she shall do so in writing. This communication is to be received by the District Director, of Procurement Management, Room 352, School Board Administration Building, prior to date and hour of bid opening. The bidders name, the bid number, the bid title and the date the bid is due must appear on the envelope.

B. AFTER BID OPENING. After bids are opened, they may not be changed, nor withdrawn, for 90 days after the determined opening date, unless otherwise specified on the "BIDDER QUALIFICATION FORM."

C. FAILURE TO ACCEPT BID AWARD. Bidders who, prior to the Bid Award by The School Board of Miami-Dade County, Florida, indicate that they are unable to accept the bid award shall either:

1. Pay to the Board, as liquidated damages, an amount equal to 5% of the unit price bid, times the quantity, or \$10, whichever amount is larger, or
2. Lose eligibility to transact new business with the Board for a period of 14 months from the date the Board acts on the withdrawn bid.

V. PROTESTS TO CONTRACT SOLICITATION OR AWARD

A. The Board shall provide notice of a decision or intended decision concerning a solicitation, contract award, or exceptional purchase by electronic posting which can be accessed at the district's website www.dadeschools.net.

B. Any person who is adversely affected by the agency decision or intended decision shall file with the agency a notice of protest in writing within 72 hours after the posting of the notice of decision or intended decision. With respect to a protest of the terms, conditions, and specifications contained in a solicitation, including any provisions governing the methods of ranking bids, proposals, or replies, awarding contracts, reserving rights of further negotiation, or modifying or amending any contract, the notice of protest shall be filed in writing within 72 hours after the posting of the solicitation. The formal written protest shall be filed within 10 days after the date the notice of protest is filed. Failure to file a notice of protest or a formal written protest shall constitute a waiver of these proceedings. The formal written protest shall state with particularity the facts and law upon which the protest is based. Saturdays, Sundays, and state holidays shall be excluded in the computation of the 72-hour time periods established herein.

C. All notice of protests will be reviewed by Procurement Management Services, who will offer the protesting bidder the opportunity to meet and discuss the merits of the protest. If the protest is not resolved, the bidder may seek an administrative hearing pursuant to §120.57 Fla. Stat., by filing a formal written protest within 10 days after filing the notice of protest. Petitions for hearing pursuant to §120.57 Fla. Stat., must be filed in accordance with School Board Rule 6Gx13- 8C-1.064.

VI. AWARDS

A. RESERVATION FOR REJECTION OR AWARD. The Board reserves the right to reject any or all bids, to waive irregularities or technicalities, and to request rebids. The Board reserves the right to award on an individual item basis, any combination of items, total low bid or, if an alternate bid is accepted, on such terms as are specified for the alternate bid, whichever manner is in the best interest of the Board.

B. NOTIFICATION OF INTENDED ACTION will be posted on the District's website 7-10 days prior to a regularly scheduled Board meeting.

C. OFFICIAL AWARD DATE. Awards become official upon the Board's formal approval of the award.

D. PURCHASE ORDERS. Purchase orders mailed to successful bidders are the official notification to deliver materials described therein; and the time allowed for delivery begins with the date of the purchase order. In the event that the successful bidder fails to deliver the materials in accordance with the terms and conditions of the bid and purchase order, the bidder shall be considered to be in default of the contract and subject to the default provisions stated in Instructions to Bidders, Section VI. E.

E. DEFAULT. A vendor who fails to perform according to the terms of the contract (bid) shall be considered in default. In the event of default, which may include, but is not limited to poor performance and/or non-performance, a vendor shall either (1) pay liquidated damages of 10 percent of the unit price of the item(s) awarded times

the quantity when no purchase order has been issued, 10 percent of the purchase order when a purchase order has been issued or \$100, whichever is greater or (2) lose eligibility to transact new business with the Board for a period of 14 months from date of termination of award by the Board. Bidders that are determined ineligible may request a hearing pursuant to Chapter 120 of the Florida Statutes, and School Board Rule 6Gx13- 8C-1.064.

F. The intent of the bid documents is to include only the written requirements for materials, equipment, systems, standards and workmanship necessary for the proper execution and completion of the work by the Bidder. The bid documents shall not be construed to create an entitlement to any other scope of work except as specified herein.

VII. PERFORMANCE SECURITY (FOR SUCCESSFUL BIDDERS ONLY)

A. PURPOSE. A performance bond or check may be required to guarantee performance.

B. BONDING COMPANY. Performance Bonds shall be written through a reputable and responsible surety bond agency licensed to do business in the State of Florida and with a surety company or corporation meeting both of the following specifications:

1. Awards Greater than \$500,000

A minimum rating in the latest revision of Best's Insurance Reports of:

Contract Amount	Minimum Rating by A.M. Best
\$ 500,000.01 to \$ 2,500,000	None
\$ 2,500,000.01 to \$ 5,000,000	B + or NA-3
	No Minimum Class
\$ 5,000,000.01 to \$10,000,000	A- Class IV
\$10,000,000.01 or more	A- Class V

Current certificate of authority as acceptable surety on Federal Bonds in accordance with the latest edition of the United States Treasury Department Circular 570 entitled "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" shall be accepted for an amount not exceeding the underwriting limitation thereon.

2. Awards of \$500,000 or Less

Bonds shall be written with a surety company or corporation meeting the qualifications as set forth in Paragraph VII.B. above or the qualifications set forth in section 287.0935, Florida Statutes.

C. AMOUNT. When required as defined herein, the firm or individual(s) to whom an award has been made shall execute and deliver to The School Board of Miami- Dade County, Florida, a Performance Bond, Cashier's/Certified Check, or equal.

1. Awards less than \$200,000 shall be exempt from performance security.

2. Performance security shall not be required, unless otherwise defined in the bid specifications. If performance security is required, it shall equal 100% of the award amount.

D. RELEASE OF PERFORMANCE SECURITY. Return to the Awardee of his/her cash security, or notification to the Awardee and the bonding company to cancel the performance bond, will be made when all goods/services have been accepted and invoices have been approved for payment

VIII. SAMPLES. When bid samples are required, the buyer will notify bidder to submit samples of the items bid in accordance with the following procedures:

A. All samples must be identified with the bidder's name, bid number, item number, and product name and number. Where non-compliance with this requirement is noted, said item may be considered as being unidentifiable and may not be eligible for consideration in the award recommendation.

B. All samples are to be delivered within 7 calendar days after receipt of notification from buyer, unless otherwise stated in the Special Conditions of the bid. If the bidder does not submit samples by the date and time indicated by the buyer, the bid submitted for that item may not be considered for award.

C. Bidder must obtain, from Materials Testing and Evaluation, a signed receipt acknowledging delivery of samples. Bidder shall include a self-addressed, stamped envelope for return of sample receipt when submitting samples by mail or delivery service. The bidder will receive the original copy of the receipt and the duplicate copy will remain with the Miami-Dade County Public Schools receiving department as the file copy. Bidder shall be solely responsible for delivery of samples and for retaining sample delivery receipts, which must be presented in any dispute regarding receipt of bid samples.

D. Samples should be delivered to the following address:

MIAMI-DADE COUNTY PUBLIC SCHOOLS
MATERIALS TESTING AND EVALUATION
7040 West Flagler Street
Miami, Florida 33144
Telephone Number: 786-275-0780

Miami-Dade County Public Schools will not be responsible for samples sent to a location other than the location mentioned in the bid.

E. **PAYMENT FOR SAMPLES.** The Board will buy no samples and will assume no cost incidental thereto.

F. **RETURN OF SAMPLES.** Samples not destroyed in testing may be claimed by unsuccessful bidders 14 days after bid award date and by successful bidders 14 days after final payment; but the Board will assume no responsibility for samples not claimed within the time specified, and it will pay for no samples damaged in testing.

G. **EVALUATION AND TEST RESULTS.** If a sample submitted for testing does not comply, the buyer will advise the bidder to contact Materials Testing and Evaluation for further details.

IX. **SUBSTITUTIONS.** Should the bidder find it necessary to use a material, equipment, product or system other than specified, the bidder shall secure from the Board, through Procurement Management Services, written approval for the use of the alternate materials, equipment, product or system. The Board is not obligated to approve requests for substitutions and has the discretion to require the bidder to provide the materials as specified in the bid documents. In no case shall the bidder be entitled to additional time and/or money arising out of the Board's failure to approve requests for substitutions.

X. **PACKAGING**

A. **TYPE.** If packaging is different from that specified, the bidder must note the manner and amounts in which packaging is to be made; otherwise the successful bidder shall furnish packaging as specified. All packaging, wrapping and bundling shall be adequate to insure that materials will be received in undamaged condition. The Board assumes no responsibility for damages of any kind incurred in transit

B. **CONTAINER IDENTIFICATION.** The following identification shall be printed, stenciled or legibly written in a conspicuous location on each shipping container:

1. BID NUMBER AND/OR PURCHASE ORDER NUMBER
2. VENDOR'S NAME AND/OR TRADEMARK
3. NAME(S) OF ITEM(S) CONTAINED
4. ITEM NUMBER(S) WITH QUANTITY(IES)

XI. **PURCHASES BY OTHER PUBLIC AGENCIES.** With the consent and agreement of the successful bidder(s), purchases may be made under this bid by Miami Dade County, Florida, and other governmental agencies or political subdivisions within the State of Florida. Such purchases shall be governed by the same terms and conditions stated herein. This agreement in no way restricts or interferes with the right of any State of Florida Agency or political subdivision to rebid any or all of these items.

XII. **RECYCLING REQUIREMENTS.** Miami-Dade County Public Schools supports recycling and recommends the use of recycled products where possible. Vendors are requested to submit a letter, along with their bid, indicating whether each item bid and/or its packaging contains pre-consumer or post-consumer waste, and if the product and/or packaging may be recycled.

XIII. **ENVIRONMENTAL PRODUCTS.** Miami-Dade County Public Schools encourages the use of environmentally safe products.

XIV. **DELIVERY AND BILLING**

A. **DELIVERY.** Saturdays, Sundays, and holidays excepted, deliveries shall be made as follows: Schools and Departments - 8:00 A.M. to 3:00 P.M. Merchandise shall be unloaded at the receiving station of the designated delivery point and received there by a designated agent of the Board. A delivery ticket, or one copy of the invoice, prepared as indicated below, shall accompany each delivery.

B. **RECEIVING INSPECTION AND TESTING.** Delivered items which do not fulfill all requirements will be rejected. Rejected items shall be removed and replaced promptly by the vendor, at no cost to the purchaser.

C. **INVOICES.** Each invoice shall be issued by the successful bidder and shall be submitted in DUPLICATE to the Accounts Payable Section, P.O. Box 01-2570, Miami, Florida 33101. To be considered for payment, each invoice must show the following information, which appears on the Purchase Order:

1. Purchase Order Number
2. Item Descriptions
3. Quantities and Units
4. Price Extensions
5. Total price of all items on invoice

D. **PAYMENT.** Unless otherwise specified by Miami-Dade County Public Schools, payment will be made only after delivery, authorized inspection, and acceptance. Payment will be made only to the successful bidder, unless otherwise requested, in writing, by the successful bidder and accepted by Miami-Dade County Public School Administration. When bidders are directed to send invoices to a school, the school will make directed payment to the bidder.

XV. **NO GRATUITY POLICY.** It is the policy of Procurement Management Services not to accept gifts, gratuities, or favors of any kind, or of any value whatsoever, from vendors, members of their staffs, or families.

XVI. **COMPLIANCE WITH FEDERAL REGULATIONS**

A. All contracts involving federal funds will contain certain provisions required by applicable sections of Title 34, Section 80.36(l) and Section 85.510 Code of Federal Regulations and are included by reference herein. The vendor certifies by signing the bid that the vendor and his/her principals are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in federally funded transactions and may, in certain instances, be required to provide a separate written certification to this effect.

During the term of any contract with the Board, in the event of debarment, suspension, proposed debarment, declared ineligible or voluntarily excluded from participation in federally funded transactions, the vendor shall immediately notify the Assistant Superintendent, Procurement Management Services, in writing. Vendors will also be required to provide access to records, which are directly pertinent to the contract and retain all required records for three years after the Board makes final payment.

B. For all contracts involving Federal funds in excess of \$10,000, the Board reserves the right to terminate the contract for cause, as well as for convenience, by issuing a certified notice to the vendor.

THE BOARD MAY REJECT ANY BID FOR FAILURE BY THE BIDDER TO COMPLY WITH ANY REQUIREMENT STATED ABOVE, IN THE BID PROPOSAL FORM, OR IN ATTACHMENTS THERETO WHICH BECOME PART OF THE BID.

THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA

SUPERINTENDENT OF SCHOOLS

INDEMNIFICATION AND INSURANCE

In consideration of this Contract, if awarded, the Vendor agrees without reservation to the indemnification and insurance clauses contained herein. These clauses are attached to and form a part of Bid# 040-DD06

INDEMNIFICATION

The Vendor shall hold harmless, indemnify and defend the indemnitees (as hereinafter defined) against any claim, action, loss, damage, injury, liability, cost or expense of whatsoever kind or nature including, but not by way of limitation, attorneys' fees and court costs arising out of bodily injury to persons including death, or damage to tangible property arising out of or incidental to the performance of this Contract (including goods and services provided thereto) by or on behalf of the Vendor, whether or not due to or caused in part by the negligence or other culpability of the indemnitee, excluding only the sole negligence or culpability of the Indemnitee. The following shall be deemed to be indemnitees: The School Board of Miami-Dade County, Florida and its members, officers and employees.

INSURANCE

Prior to being recommended for award, the Vendor has five business days after notification to submit proof of insurance as required herein. Failure to submit a fully completed, original certificate of insurance signed by an authorized representative of the insurer providing such insurance coverages may cause the Vendor to be considered non-responsive and not eligible for award of the Contract. The insurance coverages and limits shall meet, at a minimum, the following requirements:

1. Commercial General Liability Insurance in an amount not less than \$500,000 combined single limit per occurrence for bodily injury and property damage.
2. Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the operations of the Vendor, in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage.
3. Workers' Compensation Insurance for all employees of the Vendor as required by Florida Statutes.

" The School Board of Miami-Dade County, Florida and its members, officers and employees" shall be an additional insured on all liability coverages except Workers' Compensation Insurance.

The insurance coverage required shall include those classifications, as listed in standard liability insurance manuals, which most nearly reflect the operations of the Vendor.

All insurance policies shall be issued by companies with either of the following qualifications:

(a) The company must be (1) authorized by subsisting certificates of authority by the Department of Insurance of the State of Florida or (2) an eligible surplus lines insurer under Florida Statutes. In addition, the insurer must have a Best's Rating of "B+" or better and a Financial Size Category of "IV" or better according to the latest edition of Best's Key Rating Guide, published by A.M. Best Company.

or

(b) with respect only to the Workers' Compensation insurance, the company must be (1) authorized as a group self-insurer pursuant to Florida Statutes or (2) authorized as a commercial self-insurance fund pursuant to Florida Statutes.

Neither approval nor failure to disapprove the insurance furnished by the Vendor to the School Board shall relieve the Vendor of the Vendor's full responsibility to provide insurance as required by this Contract.

The Vendor shall be responsible for assuring that the insurance remains in force for the duration of the contractual period; including any and all option years that may be granted to the Vendor. The certificate of insurance shall contain the provision that the School Board be given no less than thirty (30) days written notice of cancellation. If the insurance is scheduled to expire during the contractual period, the Vendor shall be responsible for submitting new or renewed certificates of insurance to the School Board at a minimum of fifteen (15) calendar days in advance of such expiration.

Unless otherwise notified, the certificate of insurance shall be delivered to:

Miami-Dade County Public Schools
Office of Risk and Benefits Management
1500 Biscayne Boulevard, Suite 127
Miami, Florida 33132

The name and address of Miami-Dade County Public Schools, as shown directly above, must be the Certificate Holder on the certificate of insurance.

The Vendor may be in default of this Contract for failure to maintain the insurance as required by this Contract. Any questions regarding these requirements should be directed to Ms. La-Chane Clark at 305-995-7133.

Vendor Information Sheet



1A. _____
Federal Employer Identification Number

Or _____
Owner's Social Security Number

1B. _____
Name of Firm, Individual(s), Partners or Corporation

_____ Street Address

_____ City State Zip Code

2. Telephone/Fax/Contact Person

_____ Telephone number

_____ Fax number

_____ Contact Person

_____ E-mail address

R

3. Ownership Disclosure

If the contract or business transaction is with a corporation, partnership, sole proprietorship, or joint venture, the full legal name and business address shall be provided for each officer, director, and stockholder or owner who holds, directly or indirectly five percent (5%) or more of the stock or ownership. If the contract or business transaction is with a trust, the full legal name and address shall be provided for each trustee and each beneficiary. **Post Office addresses are not acceptable.**

Name	Title	Address	Gender	Race-ethnicity	Stock Ownership

NOTE: The information provided by the vendor on this form should be consistent with that provided on the "Vendor's Application". All vendors must have a current vendor's application on file with M-DCPS, and have provided information and/or be familiar with M-DCPS' policy regarding the following: (a) Employment Disclosure, (b) Drug Free Workplace, (c) Family Leave Policy, (d) Code of Business Ethics, (e) Conflict of Interest, (f) Perception, (g) Gratuities, and (h) Business Meals. Failure to provide M-DCPS a current vendor application may cause the vendor not to be awarded any new business with M-DCPS. Vendor applications can be downloaded at: <http://procurement.dadeschools.net>.

Chiller Service Contracts

SPECIAL CONDITIONS

1. **PURPOSE:** The purpose of this bid is to establish a contract, at firm unit prices, for the purchase of estimated requirements, for the items listed. The term of the bid shall be for one year from the date of award, and may, by mutual agreement between Miami-Dade County Public Schools and the successful bidder(s), be extended for three(3) additional one year periods and, if needed, 90 days beyond the expiration date of the current contract period. Procurement Management Services, may if considering to extend, request a letter of intent to extend from the successful bidder(s), prior to the end of the current contract period. All prices shall be firm for the term of the contract. The successful bidder(s) agrees to this condition by signing its bid.
2. **ESTIMATED QUANTITIES:** The estimated quantities provided in the bid proposal are for bidder's guidance only. No guarantee is expressed or implied, as to quantities that will be used during the contract period. The School Board of Miami-Dade County, Florida is not obligated to place an order for any given amount, subsequent to the award of this bid. Estimates are based upon M-DCPS's actual needs and usage during a previous contractual period, and include an additional ten percent to cover unanticipated increases in requirements.
3. **INSURANCE REQUIREMENTS:** Successful vendor(s) are required to have insurance coverage, as specified in the indemnity and insurance form(s), attached hereto and made a part of this bid. The successful vendor(s) must submit completed certificate of insurance form(s), prior to being recommended for award. Failure to submit this form(s), as noted, will result in the vendor(s) not being recommended for the bid award.
4. **SITE INSPECTION:** Prospective vendors are encouraged to make site inspections of typical schools to familiarize themselves with the unique environment where the work is to take place and to establish work procedures that minimize disruption of the school day. The owner's representative is available to answer questions regarding normal work load, average job size, problems, safety considerations, or other conditions unique to this school system. Failure to consider these conditions shall not entitle the awarded vendor to additional compensation after bid award.
5. **PRE-BID CONFERENCE:** A pre-bid conference has been scheduled for **February 12, 2004 at 10:00 a.m.**, in the North Training Room at 12525 N.W. 28 Avenue, Miami, Florida 33132. All participating vendors are encouraged to attend.
6. **ERASURES OR CORRECTIONS:** When filling out the Bid Proposal Form, bidders are required to use a typewriter or complete bid proposal in ink.
 1. Use of pencil is prohibited.
 2. Do not erase or use correction fluid to correct an error.
 3. All changes must be crossed out and initialed in ink.

Those bids for individual items that do not comply with items 1, 2 and 3 above will be considered non-responsive for that item(s).

Chiller Service Contracts

SPECIAL CONDITIONS CON'T

7. **VENDOR INFORMATION SHEET:** All bidders are requested to complete the attached Vendor Information Sheet. In order to conduct new business under this bid, M-DCPS requires that the vendor(s) have a current vendor application on file. The information on both documents must be consistent. Failure to comply with this condition may cause the vendor(s) not to be awarded any new business. Vendor applications can be downloaded at <http://procuremnet.dadeschools.net>.
8. **OCCUPATIONAL LICENSE:** Any person, firm, corporation or joint venture, with a business location in Miami-Dade County, Florida, which is submitting a bid, shall meet the County's Occupational License Tax requirements in accordance with Chapter 8A, Article IX of the Code of Miami-Dade County, Florida. Bidders with a location outside Miami-Dade County shall meet their local Occupational Tax requirements. A copy of the license is requested to be submitted with the Bid Proposal. If the Bidder has already complied with this requirement, a new copy is not required while the license is valid and in effect. It is the Bidder's responsibility to resubmit a copy of a new license after expiration or termination of the current license. Non-compliance with this condition may cause the bid not to be considered for award.
9. **CONE OF SILENCE:** A Cone of Silence is applicable to this competitive solicitation. Any inquiry, clarification or information regarding this bid must be requested in writing by FAX or E-mail to:

Greg Jackson, Buyer
Procurement Management Services
Fax #305-523-2214
E-mail: gjackson@dadeschools.net

A copy of this written request must be sent simultaneously to:

Ileana Martinez, School Board Clerk
Miami-Dade County Public Schools
1450 N.E. 2nd Avenue, Room 268B
Miami, Florida 33132
Fax #305-995-1448
E-mail: martinez@dadeschools.net

10. **BID ADDENDUMS:** All bidders should monitor continuously, the M-DCPS, Procurement website, for any addendums that may be posted, prior to the opening of this solicitation. The procurement website, which list all bids, addendums, and award information, is as follows: <http://procurement.dadeschools.net>, (click on) bid solicitation.

The School Board of Miami-Dade County, Florida
 Bid #040-DD06
 Chiller Service Contracts

BID PROPOSAL FORM (FORMAT B)

Type or print in this box the complete name of the bidder:
Bid #040-DD06
Title: Chiller Service Contracts
Buyer: G. Jackson

PLEASE COMPLETE ALL SHADED AREAS

NAME OF BIDDER:

ITEM	DESCRIPTION OF ITEM	EST. QTY	UNIT PRICE	ANNUAL PRICE PER SITE
	VENDOR SHALL INDICATE MANUFACTURER'S WARRANTY, IF GREATER THAN ONE YEAR			
	Provide air conditioning chiller service at the following locations as per the attached specifications.			
	GROUP #1 CARRIER - SCREW			
	Items 1 through 6A to be awarded on a total low bid basis. Vendors must bid all items.			
1	6041 Bell, Paul W. Middle 11800 NW 2nd Street Miami, FL 33182	1	Cost per year	
1A	Eddy Current Test	2	Cost per site	
2	0661 Caribbean Elementary 11990 SW 200th Street Miami, FL 33177	1	Cost per year	
2A	Eddy Current Test	2	Cost per site	
3	1401 Drew, Charles R. Elementary South Chiller Room 1775 NW 60th Street Miami, FL 33142	1	Cost per year	
3A	Eddy Current Test	1	Cost per site	
4	7151 Homestead Senior 2351 SE 12th Avenue Homestead, FL 33035	1	Cost per year	
4A	Eddy Current Test	3	Cost per site	
5	5121 Snapper Creek Elementary 10151 SW 64th Street Miami, FL 33173	1	Cost per year	
5A	Eddy Current Test	1	Cost per site	
6	6961 West Miami Middle 7525 SW 24th Street Miami, FL 33155	1	Cost per year	
6A	Eddy Current Test	2	Cost per site	
7	Labor rate for additional service		Per hour	
8	% Discount off OEM parts		% Discount	
9	% Mark-up on non-OEM parts		% Mark-up	

The School Board of Miami-Dade County, Florida
 Bid #040-DD06
 Chiller Service Contracts

BID PROPOSAL FORM (FORMAT B)

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Bid #040-DD06
Title: Chiller Service Contracts
Buyer: G. Jackson

PLEASE COMPLETE ALL SHADED AREAS

NAME OF BIDDER:

ITEM	DESCRIPTION OF ITEM	EST. QTY	UNIT PRICE	ANNUAL PRICE PER SITE
	GROUP #2 DUNHAM BUSH-SCREW			
	Items 10 through 17A to be awarded on a total low bid basis. Vendors must bid all items.			
10	5051 Graham, Ernest R. Elementary 7330 West 32 Avenue Hialeah, FL 33016	1	Cost per year	
10A	Eddy Current Test	2	Cost per site	
11	7141 Krop, Dr. Michael M. Senior 1410 NE 215th Street Miami, FL 33179	1	Cost per year	
11A	Eddy Current Test	3	Cost per site	
12	7271 Miami Coral Park Senior West Chiller room 8865 SW 16 Street Miami, FL 33165	1	Cost per year	
12A	Eddy Current Test	1	Cost per site	
13	6541 Nautilus Middle 4301 N. Michigan Avenue Miami Beach, FL 33140	1	Cost per year	
13A	Eddy Current Test	2	Cost per site	
14	5381 Stirrup, E. W. F. Elementary 330 NW 97th Avenue Miami, FL 33172	1	Cost per year	
14A	Eddy Current Test	2	Cost per site	
15	5431 Sweetwater Elementary 10655 SW 4th Street Sweetwater, FL 33174	1	Cost per year	
15A	Eddy Current Test	2	Cost per site	
16	5481 Treasure Island Elementary 7540 E. Treasure Drive North Bay Village, FL 33141 On the 79th Street Causeway	1	Cost per year	
16A	Eddy Current Test	1	Cost per site	

The School Board of Miami-Dade County, Florida
 Bid #040-DD06
 Chiller Service Contracts

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Bid #040-DD06
Title: Chiller Service Contracts
Buyer: G. Jackson

PLEASE COMPLETE ALL SHADED AREAS

NAME OF BIDDER:

ITEM	DESCRIPTION OF ITEM	EST QTY	UNIT PRICE	ANNUAL PRICE PER SITE
17	7781 Varela, Flex Senior 15255 S. W. 96th Street Miami, FL 33196	1	Cost per year	
17A	Eddy Current Test	3	Cost per site	
18	Labor rate for additional service		Per hour	
19	% Discount off OEM parts		% Discount	
20	% Mark-up on non-OEM parts		% Mark-up	

The School Board of Miami-Dade County, Florida
 Bid #040-DD06
 Chiller Service Contracts

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Buyer: G. Jackson

PLEASE COMPLETE ALL SHADED AREAS

NAME OF BIDDER:

ITEM	DESCRIPTION OF ITEM	EST QTY	UNIT PRICE	ANNUAL PRICE PER SITE
	GROUP #3 MCQUAY-CENTRIFUGAL			
	Items 21 through 27A to be awarded on a total low bid basis. Vendors must bid all items.			
21	0651 Campbell Drive Elementary 15790 SW 307th Street Leisure City, FL 33033	1	Cost per year	
21A	Eddy Current Test	2	Cost per site	
22	1371 Douglas, Marjory S. Elementary 11901 SW 2nd Street Miami, FL 33184	1	Cost per year	
22A	Eddy Current Test	2	Cost per site	
23	2181 Good, Joella Elementary 6350 NW 188th Terrace Hialeah, FL 33015	1	Cost per year	
23A	Eddy Current Test	2	Cost per site	
24	2341 Hall, Joe Elementary 1901 SW 134th Avenue Miami, FL 33175	1	Cost per year	
24A	Eddy Current Test	2	Cost per site	
25	7411 Miami Northwestern Senior 1100 NW 71st Street Miami, FL 33150	1	Cost per year	
25A	Eddy Current Test	3	Cost per site	
26	7531 Miami Sunset Senior 13125 S. W. 72 Street Miami, FL 33183	1	Cost per year	
26A	Eddy Current Test	2	Cost per site	
27	5961 Winston Park Elementary 13200 S. W. 79 Street Miami, FL 33183	1	Cost per year	
27A	Eddy Current Test	2	Cost per site	
28	Labor rate for additional service		Per hour	
29	% Discount off OEM parts		% Discount	
30	% Mark-up on non-OEM parts		% Mark-up	

The School Board of Miami-Dade County, Florida
 Bid #040-DD06
 Chiller Service Contracts

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Bid #040-DD06
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Buyer: G. Jackson

PLEASE COMPLETE ALL SHADED AREAS

NAME OF BIDDER:

ITEM	DESCRIPTION OF ITEM	EST. QTY	UNIT PRICE	ANNUAL PRICE PER SITE
GROUP #4 MCQUAY - SCREW				
Items 31 through 33A to be awarded on total low bid basis. Vendors must bid all items.				
31	0161 Avocado Elementary 16969 SW 29th Street Homestead, FL 33030	1	Cost per year	
31A	Eddy Current Test	1	Cost per site	
32	2911 Lentin, Linda Elementary 14312 NE 2nd Court Miami, FL 33161	1	Cost per year	
32A	Eddy Current Test	2	Cost per site	
33	5791 West Homestead Elementary 1550 SW 6th Street Homestead, FL 33030	1	Cost per year	
33A	Eddy Current Test	1	Cost per site	
34	Labor rate for additional service		Per hour	
35	% Discount off OEM parts		% Discount	
36	% Mark-up on non-OEM parts		% Mark-up	
GROUP #5 TRANE - CENTRIFUGAL				
Items 37 through 39A to be awarded on total low bid basis. Vendor must bid all items.				
37	7051 Braddock, G. Holmes Senior 3601 SW 147 Avenue Miami, FL 33185	1	Cost per year	
37A	Eddy Current Test	3	Cost per site	
38	6421 Marti, Jose Middle 5701 West 24th Avenue Hialeah, FL 33016	1	Cost per year	
38A	Eddy Current Test	2	Cost per site	
39	7791 Washington, Booker T. Senior East Water Chiller Room 1200 NW 6th Avenue Miami, FL 33136	1	Cost per year	
39A	Eddy Current Test	2	Cost per site	
40	Labor rate for additional service		Per hour	
41	% Discount off OEM parts		% Discount	
42	% Mark-up on non-OEM parts		% Mark-up	

The School Board of Miami-Dade County, Florida
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NAME OF BIDDER:

ITEM	DESCRIPTION OF ITEM	EST. QTY	UNIT PRICE	ANNUAL PRICE PER SITE
	GROUP #6 TRANE - SCREW			
	Items 43 through 59A to be awarded on total low bid basis. Vendor must bid all items.			
43	6011 Allapattah Middle 1331 NW 46th Street Miami, FL 33142	1	Cost per year	
43A	Eddy Current Test	2	Cost per site	
44	0101 Arcola Lake Elementary 1037 NW 81st Street Miami, FL 33150	1	Cost per year	
44A	Eddy Current Test	2	Cost per site	
45	0251 Beckham, Ethel Koger Elementary 4702 SW 143rd Court Miami, FL 33175	1	Cost per year	
45A	Eddy Current Test	2	Cost per site	
46	0271 Bent Tree Elementary 4861 SW 140th Avenue Miami, FL 33175	1	Cost per year	
46A	Eddy Current Test	2	Cost per site	
47	6031 Brownsville Middle 4899 NW 24th Avenue Miami, FL 33142	1	Cost per year	
47A	Eddy Current Test	2	Cost per site	
48	8119 500 Role Model 6300 NW 27th Avenue Miami, FL 33147	1	Cost per year	
48A	Eddy Current Test	1	Cost per site	
49	2741 Key Biscayne Elementary 150 W. McIntire Street Key Biscayne, FL 33149 At the End of Key Biscayne Drive	1	Cost per year	
49A	Eddy Current Test	1	Cost per site	

The School Board of Miami-Dade County, Florida
 Bid #040-DD06
 Chiller Service Contracts

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PLEASE COMPLETE ALL SHADED AREAS

NAME OF BIDDER:

ITEM	DESCRIPTION OF ITEM	EST QTY	UNIT PRICE	ANNUAL PRICE PER SITE
50	7161 Mast Academy 3979 Rickenb. Causeway Miami, FL 33149 Across the Roadway from the Sea Aquarium	1	Cost per year	
50A	Eddy Current Test	2	Cost per site	
51	7341 Miami Jackson Senior 1751 NW 36 Street Miami, FL 33142	1	Cost per year	
51A	Eddy Current Test	2	Cost per site	
52	7381 Miami Norland Senior 1050 N. W. 195 Street Miami, FL 33196	1	Cost per year	
52A	Eddy Current Test	2	Cost per site	
53	7541 North Miami Beach Senior 1247 NE 167 Street North Miami Beach, FL 33162	1	Cost per year	
53A	Eddy Current Test	2	Cost per site	
54	4511 Porter, Dr. Gilbert L. Elementary 15851 SW 112 Street Miami, FL 33196	1	Cost per year	
54A	Eddy Current Test	2	Cost per site	
55	6781 Richmond Heights Middle West Chiller Room 15015 SW 103rd Avenue Miami, FL 33176	1	Cost per year	
55A	Eddy Current Test	2	Cost per site	
56	2941 Saunders, Laura C. Elementary 505 SW 8th Street Homestead, FL 33030	1	Cost per year	
56A	Eddy Current Test	2	Cost per site	
57	5981 Whigham, Dr. Edward L. Elementary 21545 SW 87th Avenue Miami, FL 33189	1	Cost per year	
57A	Eddy Current Test	2	Cost per site	

The School Board of Miami-Dade County, Florida
 Bid #040-DD06
 Chiller Service Contracts

BID PROPOSAL FORM (FORMAT B)

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NAME OF BIDDER:

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ITEM	DESCRIPTION OF ITEM	EST QTY	UNIT PRICE	ANNUAL PRICE PER SITE
58	5991 Wyche, Charles D. Elementary 5241 NW 195 Drive Miami, FL 33055	1	Cost per year	
58A	Eddy Current Test	2	Cost per site	
59	7721 South Miami Senior 6856 SW 53 Street Miami, FL 33155	1	Cost per year	
59A	Eddy Current Test	2	Cost per site	
60	Labor rate for additional service		Per hour	
61	% Discount off OEM parts		% Discount	
62	% Mark-up on non-OEM parts		% Mark-up	

The School Board of Miami-Dade County, Florida
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ITEM	DESCRIPTION OF ITEM	EST. QTY	UNIT PRICE	ANNUAL PRICE PER SITE
	GROUP #7 YORK - CENTRIFUGAL			
	Items 63 through 69A to be awarded on total low bid basis. Vendors must bid all items.			
63	0451 Ashe, Bowman F. Elementary 6601 SW 152nd Avenue Miami, FL 33193	1	Cost per year	
63A	Eddy Current Test	2	Cost per site	
64	1811 Fascell, Dante B. Elementary 15625 SW 80th Street Miami, FL 33193	1	Cost per year	
64A	Eddy Current Test	2	Cost per site	
65	2021 Floyd, Gloria Elementary 12650 SW 109th Avenue Miami, FL 33176	1	Cost per year	
65A	Eddy Current Test	2	Cost per site	
66	7361 Miami Killian Senior 10655 SW 97th Avenue Miami, FL 33176	1	Cost per year	
66A	Eddy Current Test	3	Cost per site	
67	7511 Miami Springs Senior 751 Dove Avenue Miami Springs, FL 33166	1	Cost per year	
67A	Eddy Current Test	2	Cost per site	
68	5101 Smith, John I. Elementary 10415 NW 52nd Street Miami, FL 33178	1	Cost per year	
68A	Eddy Current Test	2	Cost per site	
69	7701 South Dade Senior Main West Chiller Room 28401 SW 167th Avenue Homestead, FL 33030	1	Cost per year	
69A	Eddy Current Test	2	Cost per site	
70	Labor rate for additional service		Per hour	
71	% Discount off OEM parts		% Discount	
72	% Mark-up on non-OEM parts		% Mark-up	

The School Board of Miami-Dade County, Florida
 Bid #040-DD06
 Chiller Service Contracts

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ITEM	DESCRIPTION OF ITEM	EST QTY	UNIT PRICE	ANNUAL PRICE PER SITE
	GROUP #8 YORK - SCREW			
	Items 73 through 78A to be awarded on total low bid basis. Vendors must bid all items.			
73	6141 Drew, Charles R. Middle North Water Chiller Room 1801 NW 60 Street Miami, FL 33142	1	Cost per year	
73A	Eddy Current Test	2	Cost per site	
74	7231 Miami Carol City Senior 3422 NW 187 Street Miami, FL 33056	1	Cost per	
74A	Eddy Current Test	2	Cost per site	
75	7271 Miami Coral Park Senior East Water Chiller Room 8865 SW 16th Street Miami, FL 33165	1	Cost per year	
75A	Eddy Current Test	2	Cost per site	
76	3431 Miller, Phyllis R. Elementary 840 NE 87th Street Miami, FL 33138	1	Cost per year	
76A	Eddy Current Test	2	Cost per site	
77	7791 Washington, B. T. Senior West New Addition, Water Chiller Room 1200 N. W. 6 Avenue Miami, FL 33136	1	Cost per year	
77A	Eddy Current Test	2	Cost per site	
78	7602 Turner, William H. Technical Arts 10151 NW 19th Avenue Miami, FL 33147	1	Cost per year	
78A	Eddy Current Test	3	Cost per site	
79	Labor rate for additional service		Per hour	
80	% Discount off OEM parts		% Discount	
81	% Mark-up on non-OEM parts		% Mark-up	

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
FULL SERVICE
AIR CONDITIONING CHILLER CONTRACT SPECIFICATIONS**

PART 1 - GENERAL

1.0 PURPOSE:

- A. It is the intention of the Miami- Dade County Public Schools to establish firm, fixed prices for services as specified herein from a source(s) of supply that will give prompt and professional service. This shall be a Full Service Contract, as defined herein.

- B. This Full Service Contract establishes a contract to:
 - 1. Furnish all labor, material and equipment to institute a continuing and comprehensive program of, inspections, preventive maintenance, emergency repair and routine repair services, including all water chiller compressor overhauls, providing necessary, systematic, periodic service, maintenance and satisfactory repair for all of the air-conditioning and water treatment equipment listed on this contracts unit price sheets.

 - 2. The vendor shall regularly and systematically inspect all water chiller equipment, its operation, at frequencies stated herein, and as conditions warrant, adjust, lubricate, clean, repair or replace parts necessary to keep the equipment in proper and safe operating condition in accordance with OEM specifications.

1.1 DEFINITIONS:

- A. **M-DCPS:** Miami-Dade County Public Schools, also referred to as the District, the School Board or the Board.

- B. Full Service Air Conditioning Chiller Contract: Goods and services covered under this contract include the furnishing of all materials, tools, equipment, labor, services, permits, and licenses necessary for **FULL SERVICE** coverage, including, but not limited to the inspection, preventive maintenance, emergency repair and routine repair of air conditioning chiller systems, related equipment and components. Also included but not limited to, is water treatment of the cooling tower(s), in accordance with specifications contained herein, OEM specifications and recommendations, industry standards, federal, state and local laws, rules and regulations.

040-DD06, Chiller Service Contracts

- C. **Additional Services:** Services not covered under the base bid.
- D. **M-DCPS Authorized Representative:** Shall mean the M-DCPS employee(s) and/or firm(s) designated by M-DCPS Maintenance Operations to request and/or schedule any work or service, inspect and accept for payment, the work covered by this contract. Maintenance Operations will designate M-DCPS Authorized Representatives and provide an updated listing to the awarded vendor.
- E. **Vendor:** Shall be an industrial Heating, Ventilating and Air Conditioning (HVAC) service company with experience in providing full air conditioning water chiller service.
- F. **Full-time Employees:** Persons employed by the vendor and classified as full time employees under the guidelines and codes of The State of Florida Department of Labor.
- G. **MSDS:** Material Safety Data Sheets.
- H. **OEM:** Original Equipment Manufacturer.
- I. **Contract Effective Date:** As determined by the Board Award.
- J. **Technician:** A skilled worker holding a current Certificate of Competency as a Journeyman in the General Mechanical Category issued by Miami-Dade County or Broward County and holding a valid EPA approved Universal Refrigerant Transition and Recovery Certification Of Completion Card.
- K. **FBC:** Florida Building Code.
- L. **Emergency Service:** An unexpected situation or occurrence that demands two (2) hour response by the vendor, 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 an M-DCPS Authorized Representative.
- M. **Routine Service:** Regularly schedule work not deemed to be an emergency.
- N. **Written Notice:** Shall mean delivery of a certified or registered letter to the vendors last known business address, or confirmed facsimile or e-mail transmission to the Owner or vendor.

1.2 REFERENCES:

040-DD06, Chiller Service Contracts

- A. Florida Building Code (FBC)
- B. Underwriters Laboratories (UL)
- C. Chapter 489, Part I, Florida Statutes
- D. American Society for Testing and Material (ASTM)
- E. Occupational Safety and Health Act (OSHA)
- F. American Society of Heating, Refrigeration and Air-Conditioning Engineers Standards (ASHRAE).
- G. Department of Environmental Resource Management (DERM)
- H. Environmental Protection Agency (EPA)
- I. American Society for Nondestructive Testing (ASNT)
- J. M-DCPS Master Specifications Guidelines, Division 15, Mechanical.
- K. M-DCPS Master Specifications Guidelines, Division 16, Electrical.

(Note: These Master Specifications may be accessed on the internet at <http://facil.dade.k12.fl.us/facplan/MasterSpec.htm>)

1.3 VENDOR QUALIFICATIONS AND REQUIREMENTS:

- A. At the time of bidding, and throughout the term of this contract, the vendor shall hold and maintain an active valid certified license with The Department of Business and Professional Regulation of the State of Florida as a Mechanical or Class A Air Conditioning Contractor. Copies of the qualifier's Florida State license, current Miami-Dade County Occupational License and DERM APCF permit to purchase refrigerant shall be submitted with the bid proposal.
- B. The vendor shall employ, throughout the term of this contract, at least one full time technician possessing a current Certificate of Competency for every fifteen (15) facilities that the vendor is awarded. The vendor shall submit with the bid, copies of current Certificates of Competency from Miami-Dade County or Broward County for each technician that will be servicing M-DCPS Air Conditioning equipment. The vendor shall ensure that technicians not having a valid Certificate of Competency will not be permitted to work on M-DCPS equipment.
- C. The vendors technicians shall be properly trained in refrigerant handling, recovery, and storage. Technicians shall have successfully completed the EPA Universal Refrigerant Transition and Recovery Certification Program and shall be so certified. The vendor shall submit with the bid, copies of all technicians EPA Universal Refrigerant Transition and Recovery Certification.
- D. The vendor shall maintain offices, shop facilities, and personnel located in either Miami-Dade, Broward, Monroe, or Palm Beach County. The vendor shall be accessible, toll free by telephone from Miami-Dade County during regular business hours. The vendor shall

040-DD06, Chiller Service Contracts

submit a list of the name(s) and phone number(s) of their service manager(s), service supervisor(s), service salesmen, and service dispatcher(s). An answering service for emergencies shall be available as stated in Section 1.7,(D) this contract.

- E. The vendor shall submit with the bid, letters of reference from two (2) full service contract customers during the past four (4) year period having the same water chiller manufacturer and compressor types contained in the bid, stating that the vendor's service has been satisfactory. The customers referenced facilities must be located either in Miami-Dade, Broward, Monroe, or Palm Beach counties. The vendor shall not use M-DCPS as a reference.
- F. The vendor shall submit with the bid, two letters of reference on their customers' letterhead, referring to the vendor's water treatment service having been satisfactory for at least two (2) years. The references should be relevant to M-DCPS water treatment equipment and similar Metro Dade County quality of water.
- G. The vendor shall submit with the bid, documentation that the person performing the oil analysis test has experience in the evaluation of oil samples. The evaluator shall have at least three (3) years of experience performing oil analysis.
- H. The vendor shall submit with the bid, documentation stating that the person performing Eddy Current Tests is at least a Certified Level II Supervisor and that the companys evaluator is a Certified Level III Supervisor, pursuant to Section 3.5 of these specifications
- I. All required vendor qualification documents shall be submitted with the bid. All qualification documents shall be evaluated by M-DCPS before the vendor is recommended for award. During the term of this contract, any change in the license status of the vendor, vendors subcontractor(s), or technicians certificate status, shall be reported, in writing, to the M-DCPS Authorized Representative within five (5) working days of occurrence.
- J. The vendor is required, and shall have the capability, to simultaneously perform all work described herein at multiple locations throughout Miami-Dade County on a timely basis.
- K. It is the responsibility of the vendor to comply with all codes and regulations having jurisdiction for work to be performed under this contract.
- L. Vendor shall assure that no use of any controlled substance including alcohol shall occur on M-DCPS premises as outlined in Board rule 6GX13-4-1.05. A fine of \$500 may be assessed for the first offense and termination of the contract for the second offense.

040-DD06, Chiller Service Contracts

- M. All personnel employed by the vendor, including any subcontractor and subcontractors employees when applicable, shall display at all times an identification badge which shall include the employees name, the employers name and either a physical description or a photograph of the employee. Employees without proper identification shall not be permitted to work on M-DCPS property.
- N. The vendors employees, subcontractors and its employees, and any other personnel, including materialmen engaged in any activities encompassed by this term bid are strictly forbidden from participating in any manner and form of interaction with students of Miami-Dade County Public Schools. Violation of this provision may result in removal of the individual(s) involved from the school site, the project, and further, the vendor may be prohibited from employing the individual in any future work with M-DCPS performed under this term bid.

1.4 NO PRE-EXISTING WARRANTY

None of the equipment covered under this contract is warranted in any way. The awarded vendor is solely responsible for all covered equipment from the date of award. The vendor shall be fully responsible for all of the air conditioning equipment "as is" covered under this contract as of the contract effective date.

1.5 SITE INVESTIGATIONS

- A. The vendor shall have visited the facilities and shall have inspected all equipment, to be fully acquainted and familiarized with conditions as they exist, and the operations to be carried out. The vendor shall make such investigations as appropriate, to fully understand the difficulties and restrictions involved, while attending to the execution of the work with minimal disruption to the operations of the facility. The vendor shall also thoroughly examine and be familiar with all the specifications of this contract.
- B. It shall be the responsibility of the vendor to examine the equipment prior to submittal of their bid. The bid price, shall include monthly inspections, water treatment service and all repairs necessary to bring all covered equipment up to OEM specifications and to keep the equipment in operating condition within OEM specifications throughout the life of this contract. Failure or omission of the vendor to examine any instructions or documents, or any of the required reference in Section 1.1, 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 vendor of any obligation to perform as specified herein. The vendor understands the intent and purpose thereof and his obligations thereunder, and will not make any claim for, or

040-DD06, Chiller Service Contracts

have any right to damages resulting from any misunderstanding or misinterpretation of this agreement, or because of any lack of information.

1.6 M-DCPS RESERVES THE RIGHT TO:

- A. Replace and/or retrofit water chillers, cooling towers and related equipment covered under the terms of this contract. Any such action by M-DCPS shall not entitle the vendor to additional remuneration for services required under this contract.
- B. Continue the existing contract with the current service vendor after successful installation and start-up of any new air conditioning equipment.
- C. Establish meetings with the vendor and any subcontractors to discuss their services. If such a meeting is called, vendor attendance is mandatory.
- D. Withhold payment for any services required by this contract which have not been rendered.
- E. Issue a purchase order for additional services.
- F. Withhold the final one-twelfth (1/12) of the value of the contract at the end of the contract period. Final payment to the vendor shall be contingent upon the following conditions:
 - 1. Prior to the expiration of the contract, M-DCPS may inspect all equipment serviced by the vendor under this contract and document any deficiencies.
 - 2. The vendor will be notified, in writing, of the deficiencies which have been identified and will be required to remedy the deficiencies at least ten (10) days prior to the end of this contract. Said remedy will be subject to M-DCPS inspection and approval.
 - 3. If the vendor fails to effect an acceptable remedy within the stated time, M-DCPS, at its sole discretion, may effect an appropriate remedy by whatever means it chooses, and the cost of such shall be borne by the vendor.
 - 4. The vendors liability shall not limited to the one-twelfth (1/12) of the value of the contract withheld, if the costs incurred by M-DCPS to remedy the vendors deficiencies exceed that amount.
 - 5. Only after deficiencies have been corrected will the final payment of the one-twelfth (1/12) value of the contract withheld be paid to the vendor, less the

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costs incurred by M-DCPS to remedy any deficiencies.

G. Add or Delete Facilities.

1. By mutual agreement with the vendor, facilities and/or water chiller equipment may be added to this contract. The fee for such additions will be based upon similar equipment already under a full service contract. The vendor may only be asked to provide services on the same water chiller equipment manufacturer and compressor type for which they have already been awarded a full service contract.
2. During the term of this contract, M-DCPS may, at its sole discretion, delete any facility from the contract. Should a facility be deleted, the vendor will be given a thirty (30) day written notice of intent to delete a facility from the contract, and the fee for that facility will be deducted from future payments to the vendor.

1.7 QUALITY ASSURANCE

A. Emergency Response:

Where an emergency is deemed to exist by a M-DCPS Authorized Representative, the vendor shall be required to respond with a verbal notice to proceed. This response must result in the arrival of a 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.

B. Routine Service:

1. Routine service will be initiated by the vendor in accordance with OEM specifications and the terms of this contract.
2. Routine service will be scheduled so as to minimize any loss of air conditioning. The vendor shall make every effort to schedule the work, in order to avoid disruption of the facility operations.

C. System Failure:

Should any of the vendors activities result in HVAC system failure, or shutdown of any part of the air conditioning chiller system, the vendor is required to immediately inform the M-DCPS Authorized Representative 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. The

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vendor 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 time.

D. Vendor Accessibility:

Vendor shall be accessible by a local telephone call, toll free in Miami-Dade County, during regular business hours. Local answering service for emergencies shall be available twenty-four (24) hours a day, seven (7) days per week.

E. System Condition:

Any time services are provided, the vendor shall ensure that the HVAC systems are left in an operable condition. The vendor shall document all performed services in the facility system record log book.

F. Stoppage of work:

M-DCPS reserves the right to stop work on any project if, in the opinion of the M-DCPS Authorized Representative or the Inspector;

1. Materials or work are not in conformance with the specifications, applicable codes, standards, specifications and/or accepted practices.
2. The vendors activities results in damage to District Property
3. The vendors activities interfere with the normal operation of the facility or its program.
4. Vendors personnel are not properly licensed.
5. Any other condition, situation, or circumstance which, in the opinion of the M-DCPS Authorized Representative or Inspector, would be a detriment to the best interests of the District if allowed to persist.

G. Inspection of Work

1. M-DCPS reserves the right to inspect the vendors work at any time to assure compliance with all terms and conditions of the contract. All work will be inspected pursuant to applicable codes as referenced within this document. If applicable, the vendor will provide M-DCPS with a written request for inspection at least forty-eight (48) hours prior to the requested inspection

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date. Vendor will have personnel present during the scheduled inspections.

2. All deficiencies noted by a M-DCPS Authorized Representative will be submitted to the vendor for correction. Within thirty (30) calendar days after submission of deficiencies to the vendor, an inspection of the air conditioning water chiller system may be conducted to insure corrective action was taken. Should the deficiencies not be corrected, the vendor shall be liable for any cost incurred by M-DCPS to insure correction. This may include, but not necessarily be limited to, additional inspections, repairs and meetings.

1.8 PERMITS

This work will be generally accomplished under the auspices of the Annual Maintenance Permit issued to each facility. The vendor shall not be responsible for obtaining this Permit. However, a specific building permit will be required for any category of work administered and supervised by any M-DCPS department other than Maintenance Operations and certain projects defined by the Florida Building Code.

1.9 PERFORMANCE SECURITY

Vendors shall not be required to submit performance security in order to be initially awarded a service contract under this solicitation. However, in the event that the value of an individual project meets the criteria specified in Florida Statute 255.05, and reflected by M-DCPS Board Rule 6Gx13-3C-1.08, the vendor awarded the project shall provide performance security for that project in the amount and manner established in the INSTRUCTIONS TO BIDDERS.

1.10 SUFFERANCE

- A. Failure by M-DCPS to invoke any of its rights under this contract shall not constitute a waiver of these rights nor prevent their exercise.
- B. Exercise of any sanction provided for in this contract shall not preclude the District from pursuing remedies available through law, rule or any other provision of this contract.

1.11 SUBCONTRACTING:

- A. The awarded vendor shall be the primary service provider and shall perform all monthly inspections and repairs. Subcontracting for base services is not allowed.

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- B. Any work or service to be performed by a subcontractor must have the prior approval of M-DCPS. M-DCPS reserves the right to reject any subcontractor. Rejection of any subcontractor shall not entitle the vendor to adjustment of bid prices. The vendor shall inform the M-DCPS Authorized Representative prior to scheduling any subcontractors visit to any M-DCPS facility
- C. Failure by the vendor to have a subcontractor approved by M-DCPS will not relieve the vendor of the responsibility to meet, comply with, and fulfill all of the terms and conditions of this contract.
- D. The vendor shall be held fully responsible and liable for the supervision and performance of all work performed by subcontractors. M-DCPS shall not be responsible for resolution of disputes between the vendor and any subcontractor.
- E. All subcontractors shall meet the minimum requirements stated herein.

1.12 OMISSIONS FROM THE SPECIFICATIONS:

The apparent silence of this specification and any addendum regarding any details or the 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 the air conditioning equipment at the specified facilities in operating condition, in accordance with OEM specifications. Only the best industrial practices are to prevail, and only materials and professional workmanship of the highest quality are to be used. All interpretations of these specification shall be made upon the basis of this understanding.

PART 2 - PRODUCTS

2.1 PARTS:

- A. All replacements parts shall be subject to the approval of the M-DCPS Authorized Representative. M-DCPS may, at its sole discretion, specify the parts and materials to be used to perform any work or service rendered under this contract. If requested, damaged or worn parts shall be submitted for inspection to the M-DCPS Authorized Representative.
- B. All parts and materials provided under this agreement shall be new or factory rebuilt, purchased from the OEM, free from defects, guaranteed suitable for the intended use and warranted for at least one (1) year. Non-OEM parts shall not be used, unless the vendor has prior approval from the M-DCPS Authorized Representative.

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

2.2 REFRIGERANT RECOVERY EQUIPMENT AND REFRIGERANT SUPPLY:

- A. The vendor shall have a refrigerant recovery unit(s) and refrigerant storage tanks specifically manufactured and approved for this purpose. Tanks shall be large enough to hold the full refrigerant charge of any one chiller covered under this contract. Used refrigerant containers are not to be substituted for a refrigerant storage tank.
- B. At the request of the M-DCPS Authorized Representative, the vendors recovery equipment shall be made available for inspection, either at the vendor's office or at the M-DCPS facility where refrigerant recovery will take place.
- C. The vendor shall assure that an adequate supply of refrigerant be available, at the vendors expense, to maintain the water chillers fully charged throughout the term of the contract.

2.3 MANUALS:

The vendor shall have in possession, the manufacturer's service and operation manual(s) for water chillers being serviced under this contract and shall provide one (1) complete set of the manual(s) to M-DCPS within fifteen (15) days upon request by a M-DCPS Authorized Representative.

2.4 LOG BOOK AND DATA SHEET

- A. Log Book
 - 1. Vendor shall provide and maintain a system record log book for each facility. The vendor is responsible for insuring that the log book is maintained in a secure location within the mechanical room and is also responsible for replacement of the log book, and all data recorded therein, should the original become unavailable for any reason. Log books and their contents present at the site shall be incorporated into any new log book provided by the vendor.
 - 2. The vendor shall document all activities related to this contract in the log book. The log book shall show all of the work performed including but not limited to preventive maintenance service, inspections, service calls and/or any facility visits. It shall include a listing of all parts replaced, all required lubrications, all adjustments made, all filters changed, any refrigerant leaks repaired and refrigerant added, and any other activities.

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B. Data Sheet:

1. Vendor shall provide and maintain a system data log sheet for each facility. The vendor is responsible for insuring that the data log sheet is maintained in a secure location within the mechanical room and is also responsible for replacement of the log book, and all data recorded therein, should the original become unavailable for any reason. Data log sheet and their contents present at the site shall be incorporated into any new data log sheet provided by the vendor. The vendor shall document all operational readings, including, but not limited to temperature, pressure, voltage and amperage relevant to determining the operational status of the equipment covered under this contract.
2. The vendor shall provide and maintain all equipment, instruments, parts and materials necessary to comply with the afore mentioned requirements which shall include but not limited to thermometers, pressure gauges, electrical meters, and any such devices and/or instruments as may be deemed necessary by M-DCPS Authorized Representative.

- C. The vendor, within thirty (30) days after award of this contract shall submit a sample of their log book and data sheet for approval by the M-DCPS Authorized Representative prior to use.

PART 3 EXECUTION

3.0 INCLUDED SERVICES:

- A. The vendor shall provide complete maintenance, service, repair, and/or replacement for the water chiller electrical equipment, motors, electrical wiring up to 6" from point of connection, water flow safety controls, cooling tower fan speed controls, lead-lag controls, auto start after power failure controls, all controls supplied with water chillers, pumps, cooling tower fans, air compressors, air dryers, and internal parts for disconnect switches, starters, solid state starters, contactors, relays, variable speed drives, breakers, fuses.
- B. Inspections, routine and emergency repairs, overhauls, and preventive maintenance shall be performed in strict accordance with the OEMs specifications, recommendations and schedules. Overhauls may be required to properly maintain the equipment during the term of this contract. Such overhauls shall be performed at vendors expense.

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- C. The vendor, or its subcontractor, shall supply all chemicals, parts, materials, testing and labor required to maintain the water treatment system. The water treatment vendor shall fill out and sign the M-DCPS water treatment log sheet at the appropriate facility during each visit. (A log sheet will be located near the water treatment equipment at each facility).
- D. All labor, materials, testing and parts required for the repair and preventive maintenance of the specified equipment, including, but not limited to, all refrigerants, lubricants, chemicals, paints, belts, lamps, O-rings, bearings, and gaskets and other repair parts.
- E. Rewinding of motors, which shall be performed by a service center authorized by the motor OEM and/or the M-DCPS Authorized Representative.
- F. Megging tests of water chiller motors, water pump motors, and cooling tower fan motors shall be conducted not later than ninety (90) days after the contract effective date. The test results shall be recorded on the vendor service report.
- G. Insulation removed shall be reinstalled in a manner consistent with manufacturer's instructions for application. Any insulation material, wrap or adhesives, suspected of containing asbestos shall be reported to M-DCPS for analysis.
- H. Paint shall be maintained where required to prevent deterioration of the equipment.
- I. Eddy Current tests shall be conducted not later than ninety (90) days after the contract effective date. The vendor shall perform Eddy Current testing using a M-DCPS approved third party vendor. Copies of the Eddy Current test shall be provided to the M-DCPS Authorized Representative. Refer to Section 3.5 for specifications and procedures for Eddy Current testing.
- J. The vendor shall, within thirty (30) days of conducting the Eddy Current Test, provide M-DCPS with a cost proposal for any and all repairs indicated by the test. If the current vendor is also the previous vendor, all repair costs indicated by the test and tube sheet inspection will be at the current vendors expense.
- K. M-DCPS, at its sole discretion may issue a purchase order to the vendor to replace tubes, plug tubes, epoxy coat tube sheets and replace condenser and evaporator isolation valves found to be defective during the Eddy Current Test. Refer to Section 3.6 for Tube Sheet Epoxy Coating specifications.
- L. The vendor shall:

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1. Inspect, test, maintain, service, calibrate, repair or replace, as required, all shut-off valves, check valves, float valves within the condenser and chilled water loops in the water chiller room and cooling tower area.
 2. Inspect, test, calibrate, repair or replace, as required, all thermometers in the condenser and chilled water loop within the water chiller room.
 3. Inspect, maintain, service, repair or replace, as required, all oil lines piping and hoses for cooling tower gear boxes.
 4. Inspect, test, maintain, service, calibrate, repair or replace, as required, all components for the pneumatic supply air system in the water chiller room and cooling tower area.
 5. Inspect, test, maintain, service, overhaul, repair or replace, as required, all components for the chilled and condenser water pumps.
 6. Inspect, test, maintain, service, overhaul, repair or replace, as required, cooling tower fan motors, coupling, shafts, fan blades, belts, pulleys, bearings, gear boxes, cooling tower water makeup float valves.
 7. Inspect, test, maintain, service, repair or replace, as required, the chilled water make up pressure regulator or float valve, water pressure safety relief valve, back flow check valve, bypass quick fill water valve, vent valves, strainers, gauges, sight glasses and expansion tank.
- M. On a monthly basis, the vendor shall inspect the structural components of the cooling tower and chiller installation for corrosion and shall report any identified deficiencies or defects to the M-DCPS Authorized Representative.

3.1 EXCLUDED SERVICES:

- A. Repairs or replacements which are necessitated by documented and verifiable vandalism, external forces, or other natural disasters such as flood, hurricane. Normal power fluctuations or failure are not considered to be a external forces.
- B. Maintenance and repair of controls which are part of the Energy Management System. Should the vendor identify any deficiencies of these controls, the vendor shall immediately notify the M-DCPS Authorized Representative, and the Department of Energy Management at 305-995-1550.
- C. Removal of material containing asbestos. If any material is suspected of containing

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asbestos, the vendor shall not disturb the suspected material, and shall immediately notify the M-DCPS Authorized Representative.

3.2 SERVICE REQUESTS:

- A. Calls for service shall be initiated by the M-DCPS authorized representative or designee. Only the M-DCPS Authorized Representative or designee shall be authorized to request services under this contract.
- B. The vendor shall respond upon oral or written notification, delivered by any means including facsimile or other electronic medium, from the M-DCPS authorized representative or designee to any service request. This response must result in the arrival of a properly trained technician at the affected site within two (2) hours after notification in the case of an Emergency Service request, or twenty-four (24) hours in the case of a Routine Service request. The vendor shall complete all repairs within the same day as arrival on-site. If repairs are not completed within this time period, the vendor shall immediately notify the M-DCPS authorized representative, in writing, stating the reason for the delay and establishing a completion date. Failure to comply shall be evidence of vendor negligence, and may result in penalties and sanctions, including, but not limited to termination of the contract.
- C. The vendor is required to respond, as required, twenty-four (24) hours a day, seven (7) days a week, including holidays, at no additional cost to M-DCPS.

3.2 ADDITIONAL SERVICES:

- A. Additional services may be authorized at the discretion of the M-DCPS Authorized Representative for work not covered by the base bid. The vendor may only be asked to provide additional water chiller service for the same water chiller manufacturer, compressor type they have been awarded a full service contract. The additional water chiller service may be performed at any M-DCPS site.
- B. The vendor may be asked to provide a quote for additional services to any existing air handling units, unit ventilators, fan coil units, water pumps, cooling towers, piping, insulation, valves, pneumatic controls, electronic controls, miscellaneous air conditioning mechanical components and accessories at any M-DCPS site.
- C. Work performed shall comply with OEM standards and with the requirements of the references listed under Paragraph 1.2 of these specifications. M-DCPS reserves the right to inspect the vendors work at any time to assure compliance with all terms and conditions of the contract.

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- D. Additional Services labor rates for qualified technicians shall not exceed \$75.00 per hour, per technician.
- E. Material cost for additional services shall be as follows:
 - 1. Water Chiller OEM Products:
 - a. M-DCPS shall receive a minimum of 40% off the most recent OEM published list price. The vendor shall supply the M-DCPS Authorized Representative with the OEMs most recent published price list sheet for all part needed. The percentage of discount will be entered in the appropriate line item on the Bid Proposal Form.
 - b. Vendors shall complete and submit Form A (attached) for all additional service quotes.
 - 2. Miscellaneous Items, Parts, Materials and Services (non-OEM items). M-DCPS reserves the right to obtain quotations from the awarded vendor, or other approved vendors, for miscellaneous items.
 - 3.
 - a. For parts, materials, supplies and services for which there is no published OEM price list, the vendor shall markup (over the vendors cost) no greater than 40%. The vendor shall supply proof of purchase invoice copy for all purchased parts. The percentage of mark up shall be entered in the appropriate line item on the Bid Proposal Form.
 - b. Vendor shall complete and submit Form B (attached) for all quotations where miscellaneous items are required.
 - 4. The vendor shall not perform any additional service, or services not covered or excluded in this contract, unless authorized by a M-DCPS Authorized Representative via a purchase order.

3.3 MAINTENANCE PROCEDURES:

- A. Water Chiller Equipment:
 - 1. Inspect, test, maintain, service, calibrate, overhaul, repair or replace as set forth in the OEM service and operations manuals.
 - 2. Perform annual water chiller compressor oil analysis test, change oil where

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- analysis report indicate corrective action is required and change refrigerant and oil filter as set forth in the OEM operation service manuals. Copies of all oil analysis shall be provided to the M-DCPS Authorized Representative.
3. Oil samples must be removed from water chiller compressor while under operating temperatures, with at least 300 hours of operation time on the sample. Oil sample containers must be able to be sealed to eliminate moisture contamination.
 4. Once each month, the vendor shall record the following information and a report with the results shall be sent to M-DCPS Authorized Representative:
 - a. Discharge pressure
 - b. Discharge temperature
 - c. Suction pressure
 - d. Suction temperature
 - e. Oil pressure
 - f. Oil temperature
 - g. Chilled water return temperature
 - h. Chilled water supply temperature
 - i. Condenser water supply temperature
 - j. Condenser water return temperature
 - k. Chiller motor amps on each leg
 - l. Chiller motor voltage on each leg
 5. The vendor shall annually remove condenser heads and inspect condenser tubes and tube sheets for corrosion and effects of the water treatment program. Additional openings of condensers and/or evaporators shall be performed to clean and/or brush the tubes, as required to insure proper operation and performance of the equipment within the manufacturer's specification. The M-DCPS Authorized Representative and water treatment vendor shall be notified at least twenty four(24) hours in advance, to allow M-DCPS inspection of condensers and/or evaporators during all disassembles.
 6. Tube Cleaning:
 - a. Tubes shall be brushed with a nylon or fiber brush attached to a smooth steel or aluminum rod designed for cleaning water chiller tubes. The cleaning rods shall not have rough joints or areas that can cause damage to the tubes while in use. Tubes can be cleaned with a flexible shaft rotating inside a watertight nylon casing which

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transports water from the tube cleaning machine to the nylon rotating brush.

- b. The use of stainless steel brushes and cutting/buffing tools will be permitted only with prior approval of the M-DCPS Authorized Representative. Materials and equipment used must be as recommended by the OEM and approved by the M-DCPS Authorized Representative.
- c. The M-DCPS Authorized Representative must be notified twenty four (24) hours prior to all acid cleaning, tube plugging and/or epoxy coating.

B. Cooling Towers, Water Strainers, and Water Pumps:

- 1. Inspect, test, maintain, service, calibrate, overhaul, repair or replace as needed mechanical parts of cooling tower, cooling tower fans, fan motors, fan drives, all condenser and chiller water pumps, motors, couplings, starters, circuit breakers, makeup water float and valve assemblies and any other equipment or controls needed for proper cooling tower operation, including the cooling tower water temperature control.
- 2. The cooling tower shall be drained, cleaned, and flushed annually or more often as needed to insure proper operation. Condenser water strainers are to be cleaned each time the cooling tower is cleaned and additionally as required. Chilled water pump strainers are to be cleaned as needed. No high pressure equipment shall be used in cooling tower cleaning.
 - a. The vendor shall notify their water treatment vendor of the cooling tower cleaning schedule. The water treatment vendor shall promptly service the chemical system, and balance the chemical treatment levels.
- 3. Annually, perform cooling tower gear box oil change.
- 4. Furnish complete water treatment services as frequently as required, but no less than once monthly, to prevent the build-up of mud and scale, eliminate corrosion in the condenser, evaporator, piping, and to control biological growth in the water cooling towers.

C. Pneumatic Control System:

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1. Inspect, test, maintain, service, calibrate, overhaul, repair or replace as required pneumatic control system components including, but not limited to:
 - a. Pneumatic control compressor(s).
 - b. Compressor motor(s) and starter(s).
 - c. Drive belt(s) and sheaves(s).
 - d. Air Receiver(s) and automatic drain valve(s).
 - e. Air dryer(s).
 - f. Pressure reducing valve(s).
 - g. Oil and water separator(s) and filter(s).
 - h. Pressure switch(s) and alternator control(s).
 - i. Annually perform air compressor crank case oil change.

2. The vendor shall be responsible for the following:
 - a. Provide factory approved air compressor oil, filters and all components in the pneumatic control system.

 - b. Log air compressor(s) run time and off time on the monthly inspection report and ensure that the air compressor(s) are functioning correctly.

 - c. If the air compressor(s) run time increases and off time decreases and the water chiller room is free of pneumatic system leaks, the vendor shall notify the M-DCPS Authorized Representative of the leaks outside of the water chiller room.

3.4 WATER TREATMENT:

- A. Water Treatment Supplies and handling:
 1. The water treatment vendor shall supply all chemicals, parts, materials, testing and labor required to maintain the water treatment system during the contract period.
 - a. The water treatment chemicals shall not be mixed, formulated, reformulated or otherwise altered in any way after the product has left the original manufacturing plant and/or while at any M-DCPS facility.

 - b. Sufficient chemical supplies shall be maintained at the facilities to prevent treatment interruption due to the exhaustion of supplies.

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Chemicals shall not be drop shipped to any M-DCPS facility by a freight shipper. Removal and disposal of excess supplies shall be the responsibility of the vendor.

- c. Within thirty (30) days of award of this contract, and before the chemical product can be used at any M-DCPS facility, the vendor shall supply to the M-DCPS Water Treatment Departments Authorized Representative, Material Safety Data Sheets for all formulations used, product data sheets, fully describing proper dosages, handling, and feeding, a confidential certificate of composition of analysis, instructions for analytical procedures used to obtain all desired control limits, warranty of full compliance with local, state, and federal pollution laws with the normal use of the product. Additional Material Safety Data Sheets shall be displayed in a holder near the water treatment equipment, as required by OSHA, and shall also be provided to any M-DCPS staff upon request.
2. Corrosion Inhibitors: The formulation used for treatment of the cooling tower water shall be a highly concentrated liquid blend of corrosion inhibitors and sequestering agents. It shall successfully inhibit scale formations in the tower/condenser system at concentrations of 5-7 cycles in Miami-Dade water, and 3.5 - 4.0 cycles in those locations where the make-up water is the equivalent of Homestead City Water. Corrosion inhibition shall be provided for ferrous and non-ferrous metals. Maximum permissible rates shall be 0.5 mpy for copper and 3.5 mpy for mild steel. The corrosion/scale inhibitor shall be a concentrated alkaline blend of phosphonates, polyphosphates, polymeric dispersants, sequestering agents and azoles. No acid treatments are permitted. Use of molybdate other than as a tracer is not permitted. The cooling tower water shall be maintained with a Langelier Index of not less than + 0.5 and magnesium-silicate factor of not more than 35,000. Upon request, the water treatment vendor shall supply M-DCPS with the required testing reagents to verify the inhibitor levels.
 3. Biocides: Two or more different biocides, including at least one oxidizer and other non-oxidizer applied alternately, shall be used to effectively prevent the growth of algae, fungi, slime or other undesirable forms of bacterial life. Application shall be as needed in concentrations and frequency to maintain system cleanliness, heat transfer, and to avoid corrosion caused by microbiological fouling. The biocide program shall use dosage and frequency rates designed to keep the total bacteria count in the tower water below a maximum of 10,000 cfu/ml, as measured by the EZ Cult or Saki Strip method. The oxidizing microbiocide shall be a bromine or a bromo-

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chlorine releaser. The non-oxidizing microbiocide shall be a broad spectrum product, effective at a pH range of 8-9. All products used shall meet all local, state and Federal regulations for discharge into sewage systems. The EPA registration numbers shall be listed on each biocides containers label.

4. Closed Loop Treatment: Chilled water treatment of the closed loop system shall be a concentrated liquid chemical solution of borate buffers, nitrite, and other corrosion inhibitors for ferrous and non-ferrous metals, and sequestrants in appropriate amounts to prevent rust, corrosion, scale, pitting, and sludge accumulation. Nitrite residuals maintained throughout the system shall be 300-600 ppm with a pH within the range of 8.5 -11.
5. Corrosion Coupons: Provide corrosion coupons for a continuous corrosion study of both copper and mild steel in the condenser water. A minimum number of at least one (1) coupon of each metal shall be removed for analysis each calendar quarter. The corrosion rate will be determined by weight loss and reported each quarter, however such tests shall be conducted no less than forty (40) days apart and no more than (120) days apart. The corrosion rate of mild steel shall not exceed 3.5 mils (.0035 in.) per year. The corrosion rate for copper shall not exceed .5 mil (.0005 in.) per year.
6. Analysis: Complete analytical services shall be provided, as needed, for analysis of unusual cooling water samples, scale, sludge, rust, other corrosive products, and microbiological studies to insure the minimizing of these problems throughout all circulating systems. The results shall be sent to the M-DCPS Authorized Representative.
7. Water Treatment Equipment: Inspect, test, maintain, service, calibrate, repair or replace as required, all water treatment equipment, including the solenoid bleed valve, monitoring, and pumping equipment. All chemical controllers, pumps, timers, strainer, 4 way function valves, safety flow controls, check valves, tubing, plastic drums, and corrosion coupon racks shall be maintained in good operating condition; if not repairable, they shall be replaced only with equipment authorized in the M-DCPS Master Specifications, Section 15545. Any malfunctioning equipment shall be repaired or replaced within five (5) working days. Temporary replacements shall be corrected with permanent, approved equipment within forty-five (45) days.
8. Emergency Service: The vendor shall provide emergency service calls for the water treatment equipment and related problems as needed. Prompt clean-up of any chemical leaks, or spills shall be provided by, and be the

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responsibility of, the vendor and shall respond to properly clean up any chemical spill or leak within twenty four (24) hours. All clean-up work shall be in accordance with MSDS recommendations and shall be in conformance with EPA and DERM regulations.

- a. When requested, the water treatment representative shall be required to meet with the M-DCPS Authorized Representative to discuss the water treatment program, and to train M-DCPS technicians on the safe handling and testing of their chemicals.
 - b. Water treatment service shall be conducted after the chiller service contract vendors annual shut down and cleaning operations.
9. Water Treatment Reports shall be filed pursuant to Part 9 of these specifications.

3.5 EDDY CURRENT TESTING SPECIFICATIONS AND PROCEDURES

A. SCOPE

This Section defines specifications and procedures for performing Eddy Current Inspections of water chillers, condensers and cooler tubes. The Eddy Current testing must be in accordance with ASTM Standards E243, E426, and E571.

B. PURPOSE:

To detect and evaluate all known defects as listed herein for the purpose of preventative maintenance and repair and to maximize tube bundle serviceability.

C. REFERENCES:

1. ASTM Standard:
E248, Definitions of Terms Relating to Electromagnetic Testing.
2. ASNT, SNT-TC-1A

D. TESTING COMPANY:

1. The company performing the test shall have specific knowledge of heat exchanger and tube geometry, tube discontinuities and the limitations of the applied Non-Destructive Test Method.

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2. The company performing the test shall conduct yearly training seminars and provide updated technical information as it becomes available.
3. The company performing the test shall make available to its field technicians, assistance and consultation with a certified Level III Supervisor as necessary to insure inspection accuracy.

E. TESTING EQUIPMENT:

1. Industry accepted Eddy Current Test instruments able to detect defects and discontinuities as listed herein.
2. Probes used for the inspection of tubing ranging in size from .500 inches to 1.000 inches shall incorporate a cross-axial coil configuration and have a minimum fill factor of .80 inches.
3. Modifications of equipment to achieve greater sensitivity shall be made as required.

F. MINIMUM EQUIPMENT:

1. Eddy Current Test Instrument.
2. Cross axial test probes, with a minimum fill factor of .80 for the tube being tested.
3. Probes must be capable of operating in the differential mode at the various frequencies necessary to perform the specific test. Special wound probes are permitted if the requirements of this Section are met.
4. A strip chart recorder capable of recording either the X or Y channel will be operational and present.
5. A magnetic tape recording can be performed upon request.

G. CALIBRATION STANDARD:

1. Machined calibration standards that match the tube configurations, alloy, outside diameter, and wall thickness are used for instrument calibration. Standards contain simulated defects as listed in the following Table.

CALIBRATION STANDARDS TABLE

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- a. Simulated 180 degree support wear cut of sufficient depth and width to gauge defect severity on all types of tubes inspected.
- b. Support wear is gauged using a simulated support ring of the same width and material found in the machine being tested.
- c. 100% 1/16 and 3/32 through holes used to gauge the severity of ID pits.
- d. 360 degree OD grooves of sufficient depth and width to gauge OD metal loss severity on all type of tubes inspected.
- e. Calibration referenced standards can be made as required to accommodate specific applications.

H. PERSONNEL QUALIFICATIONS:

1. Personnel shall be certified and qualified in accordance with the requirements of ASNT document SNT-TC-1A and shall meet the requirements as listed below.
 - a. **LEVEL I:** Helper status; minimum of thirty (30) days experience in testing of heat exchanger tubing under the direct supervision of Level II or Level III certified technician.
 - b. **LEVEL II:** Minimum of one (1) year field experience in testing heat exchanger tubing and have demonstrated proof of proficiency through written and practical test results.
 - c. **LEVEL III:** Minimum of four (4) years field experience in testing heat exchanger tubing and have demonstrated proof of proficiency through written and/or practical tests.

I. TEST PROCEDURES:

1. Minimum probe fill factor of .80 or greater.
2. Test speed shall exceed 1.0 foot per second.
3. One hundred percent of tubes shall be inspected unless specified otherwise.

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4. Test instrument calibration is to be checked every two hours, at the beginning and end of each inspection.
5. Personnel performing the inspection shall be certified at least Level II, unless specified otherwise.
6. A tube chart map shall be prepared of the tube bundle being inspected. In addition to plugged, restricted or inaccessible tubes, all defects and discontinuities shall be noted on the prepared tube chart.
7. Where applicable, all damage and/or discontinuities shall be identified on the tube chart in divisions of deflection to illustrate the defect pattern, its location and severity.
8. Inspection Data Sheets and/or magnetic recordings can be supplied as an option when required.

J. REPORT REQUIREMENTS:

An on-site informal verbal report is given upon test completion. A final written report shall be submitted within fifteen (15) days, and as a minimum, shall include the following information:

1. Vessel Information Sheet which includes the date, test location, technician's name, unit model and serial number, tube specifications, test end, row and tube numbering.
2. Summary of the inspection shall provide defect descriptions and their percentage of the bundle for the different types and degrees of defects to permit selective plugging or replacement.
3. Tube bundle layout (tube chart) with defective tubes marked, and identified by legend.
4. Strip charts of each type of damage shall be provided to show the defect location, lengthwise in the tube. Defects will be labeled on strip charts to identify type and location of damage so that sample tubes may be removed for verification. A good tube shall be strip charted to use for comparison against the defective tube strip charts.
5. A calibration strip chart of the machined calibration referenced standard used,

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shall be included for correlation of tube damage severity.

6. A calibration settings and procedures.
7. Recommendations for corrective action based on past experience and industry accepted criteria.
8. Personnel reviewing the report shall be certified by a Level III Supervisor, in accordance with Recommended Practice SNT-TC-1A, Latest Edition.

K. DEGREE OF DEFECTS AND DISCONTINUITIES THE EDDY CURRENT TEST MUST LOCATE

1. ID Pitting .030 diameter and larger.
2. OD Pitting .030 diameter and larger.
3. ID Defect or Gouge in tube.
4. Longitudinal Crack.
5. Longitudinal Flaw.
6. Radial Crack.
7. Radial Flaw.
8. OD Metal Loss (corrosion) .005 or greater.
9. OD Corrosion at the Supports .005 or greater.
10. OD Wear at the Supports .002 or greater.
11. OD Deposits.
12. OD Defects, damage.
13. ID Erosion/Metal Loss, ID Defects.
14. Freeze Bulge (Land Area) .015 or greater.
15. Freeze Bulge in the Finned Area.
16. Mechanical Expansion (Land Area/Finned Area).
17. Tube Plugged/Removed.
18. Tube Dented.
19. Tube Constricted.
20. Tube Restricted.
21. Misformed Land Area.
22. Missed Expansion.
23. Not Expanded.
24. Abnormal Indications, Loss or No Loss.

3.6 TUBE SHEET EPOXY COATING SPECIFICATIONS

- A. Epoxy coating vendor shall have at least two (2) years experience coating condenser tube sheets with epoxy. It is preferred that the sandblasting and the coating of sheet

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with epoxy be done by the same company.

- B. Vendor shall supply Material Safety Data Sheet (MSDS) before work is started. Epoxy coating shall contain no asbestos.
- C. Asbestos removal shall be the responsibility of M-DCPS.
- D. Epoxy shall be the type that is typically used in the condenser tube sheet coating business. New products without a history of success shall not be used.
- E. Epoxy shall be non-shrinkable.
- F. Epoxy shall have compressive strength of 13,000 psi in accordance with ASTM D695.
- G. Epoxy shall have flexural strength of 10,000 psi in accordance with ASTM D790.
- H. Epoxy shall have tensile shear adhesion of 27,000 psi mild steel in accordance with ASTM D1002.
- I. Epoxy shall have hardness of Rockwell R104 in accordance with ASTM D785.
- J. Epoxy must cure in 12 hours at 75EF to light loading machining strength.
- K. Epoxy shall be applied the same day as sandblasting is done.
- L. Before any epoxy coating is applied, Eddy Current testing shall be done and any tubes needing to be replaced or plugged shall be completed.
- M. The vendor shall state the number of days it will take to complete work.
- N. If the condenser tube sheet is known to be leaking, refrigerant shall be removed and the condenser placed in a vacuum. M-DCPS requires that all condensers be in a vacuum while epoxy coating is being applied, for safety and EPA Clean Air Act requirements.
- O. The vendor shall be responsible for the removal of condenser water box heads, modified divider plates and shall replace needed gaskets, reinstall condenser heads and return the water chiller to operation leaving the area affected by this work in broom-clean condition. Any equipment or area damaged by the vendor shall be restored to original conditions.

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- P. The epoxy coating shall be applied to both tube sheets, including the area beyond the gasket. Water box heads are only to be epoxied at the request of M-DCPS. The first layer of epoxy coating shall not be applied by spraying. Spraying is allowed only after the first layer of epoxy coating has been applied.
- Q. The epoxy coating shall be warranted against shrinkage, peeling, water leakage behind the epoxy, or rusting through the coating for a minimum period of five (5) years.

PART 4 WARRANTY

- A. All workmanship and materials supplied by the vendor, other than epoxy coating, shall be warranted for a minimum period of one (1) year, and the vendor shall remedy any defects for a minimum of one (1) year from the date of final acceptance. Epoxy coating shall be warranted against shrinkage, peeling, water leakage behind the epoxy, or rusting through the coating for a minimum period of five (5) years. All labor and, materials used, shall be documented on the vendors service reports. Report format shall be as approved by M-DCPS Authorized Representative.
- B. Upon written notice, the vendor shall remedy any defects due thereto and pay all expenses for any damage to other work resulting therefrom. Unless otherwise specified, warranty repairs shall be corrected immediately upon receipt of the written notice.
- C. If the vendor, after notice, fails to proceed promptly with the terms of the warranty, M-DCPS may have the defects corrected and the vendor will be liable for all expense incurred. Such action shall not relieve the vendor of further warranty liability.
- D. Neither the final payment nor any provision in the contract documents shall relieve the vendor of the responsibility for negligence, defects of manufacture, latent defects, faulty materials and/or workmanship to the extent of and within the period provided by law.
- E. The provisions of this Article apply to work done by subcontractors, as well as to work done by direct employees of the vendor. The vendor shall be the responsible entity for work performed by subcontractors

PART 5 NON-EXCLUSIVITY:

M-DCPS reserves the right to perform, or cause to be performed, the work and services herein described in any manner it sees fit, including, but not limited to, award of other contracts, or to perform the work with its own employees.

PART 6 TERMINATION AND REMEDY:

- A. M-DCPS reserves the right to terminate, without cause, any work awarded under this contract, or to cancel this contract in its entirety, upon thirty (30) days written notice to the vendor.
- B. In the event that the vendor fails to perform any of the services in a satisfactory manner and in compliance with the terms and conditions of this contract, M-DCPS shall notify the vendor, in writing, of the deficiencies, and a specific time frame for correction of such deficiencies. If correction is not effected in an acceptable manner within the allocated time, M-DCPS may, after written notice of default to the vendor, accomplish the work in any manner it chooses. The vendor will be liable for all expense incurred. Such action shall not relieve the vendor of further warranty liability.
- C. In the event that the vendor exhibits negligence in pursuit of any of the services required under this contract, the M-DCPS Authorized Representative may recommend immediate termination of the vendor.

PART 7 FACILITY USE, WASTES, CLEAN UP AND PROTECTION:

- A. The vendor shall conform to all applicable OSHA, state and local regulations while performing work under this contract, and shall take all necessary, ordinary and extraordinary precautions to provide a safe work environment at all times for the occupants of the school and the general public in and around the work area. The vendor shall also insure that M-DCPS property is protected from damage and defacement resulting from the vendors activities. Any such damage shall be corrected by the vendor at the vendors sole expense. Prior to payment of the final invoice, all corrections shall be inspected and accepted by the M-DCPS Authorized Representative.
- B. The vendor shall be responsible for disposal of all waste material, and shall do so in conformance with applicable laws codes and ordinances. Waste oil, empty refrigerants containers, empty oil containers, water treatment chemical containers not currently in use, all used parts, and other materials shall be disposed of immediately after the completion of each service visit. All disposal of hazardous material such as, but not limited to, contaminated waste oil, refrigerant and water treatment chemicals shall be handled in strict compliance with the EPA, and any Federal, State or local codes having jurisdiction. A copy of the completed final manifest for any related hazardous materials shall be sent to the M-DCPS Authorized Representative (upon request) at the completion of any disposal transaction.

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- C. The vendor shall remove all tools, equipment, and rigging from the water chiller room and cooling tower area immediately upon completion of any service work.
- D. The vendor shall maintain the water chiller room and cooling tower area in a neat and clean condition. All waste materials are to be removed at the vendor's expense.
- E. It is the responsibility of the vendor to keep the site free from trash, debris, excess materials, tools and hazardous conditions at all times.
- F. Vendor, its employees and /or assigns shall not use M-DCPS restrooms, cafeteria, lounge, or equipment. Dumpsters may be used only with prior written permission from the M-DCPS Authorized Representative.
- G. M-DCPS is not responsible for loss of tools, equipment or supplies.
- H. Vendor shall not block exits, hallways, corridors, driveways delivery areas, nor impede ingress or egress.
- I. Vendor shall not impede nor interfere with the normal function of the facility, its occupants or its programs.

PART 8 INVOICE AND PAYMENT

- A. Invoices not submitted in accordance with this Section will not be processed and will be returned to the vendor.
- B. The original invoice shall be sent to the M-DCPS Authorized Representative identified on the purchase order. If the Authorized Representative is not identified on the purchase order, then invoices shall be sent as follows:

MIAMI-DADE COUNTY PUBLIC SCHOOLS
MAINTENANCE OPERATIONS
12525 N.W. 28th Ave.
Miami, Fl. 33167
ATTN.: CHILLER SERVICE CONTRACT DEPARTMENT

- C. Starting from the initial date of contract award, all invoices for provided services shall be submitted for payment on a monthly basis during the term of this contract.
- D. No invoices shall be approved for payment unless the M-DCPS Authorized Representative has received all required reports as stipulated in these specifications.

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The reports shall include any changes made in the treatment program and any recommendations or observations.

- E. Service ticket(s) shall accompany the invoice. This document(s) shall indicate the technicians name, dates, and all services provided. Service tickets shall be signed at the end of work by the facility staff.
- F. Invoice and Payment for Additional Services
 - 1. The vendor shall invoice additional services based on the actual labor hours expended, materials and miscellaneous items utilized.
 - a. The invoice and document shall contain the following information:
 - 1. Districts Purchase Order number.
 - 2. Description of work.
 - 3. Work location where services were rendered.
 - 4. All part number and description of materials utilized, quantities and unit prices.
 - 5. Labor hours, quantities and unit prices.
 - 6. Copies of invoices from suppliers to the vendor for all miscellaneous items parts, materials, services and/or OEM price sheets to substantiate vendors cost.
 - 7. A copy of the service ticket(s) and/or time sheets shall document the labor and shall accompany the invoice. The document(s) shall indicate the technicians name or ID number, dates and times services were provided. The service ticket(s) shall be signed at the end of the authorized service work by an authorized representative of the facility staff.

PART 9 REPORTS:

A. Oil Analysis Test Report:

- 1. Pursuant to Section 3.3, (A),(2), Report result sheets must show job name, water chiller manufacturer name, chiller first six (6) model numbers, last five (5) serial numbers, type of oil, and date of sample test. All analysis shall be conducted annually and submitted to the M-DCPS Chiller Service Contract Department Authorized Representative within fifteen (15) days of the test completion.
- 2. Test result sheets must show spectrochemical analysis in parts per million by weight content of IRON, CHROMIUM, NICKEL, ALUMINUM, LEAD,

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COPPER, TIN, SILVER, TITANIUM, SILICON, BORON, SODIUM, POTASSIUM, MOLYBDENUM, PHOSPHORUS, ZINC, CALCIUM, BARIUM, MAGNESIUM, ANTIMONY, and VANADIUM.

3. Physical test for water in parts per million, total acid content, chloride in parts per million, viscosity at 72 E F.

B. Water Treatment Service Report (Monthly):

1. The water treatment vendor shall fill out the M-DCPS provided log sheet in the water chiller room during each monthly service (and all other visits). This log sheet is separate from the monthly service report that is sent by the water treatment vendor to the primary vendor. The monthly service report shall include the following information obtained by on-site analysis:

a. Make-up Water:

1. Total Hardness (ppm as CaCO_3)
2. Calcium (ppm as CaCO_3)
3. Magnesium (ppm as CaCO_3)
4. M Alkalinity (ppm as CaCO_3)
5. Conductivity (microSiemens)
6. Chloride (ppm)
7. Silica (ppm as SiO_2) (where scaling is a factor)
8. pH

b. Cooling Tower Water:

1. Total Hardness (ppm as CaCO_3)
2. Calcium (ppm as CaCO_3)
3. Magnesium (ppm as CaCO_3)
4. M Alkalinity (ppm as CaCO_3)
5. Silica (ppm as SiO_2) (where scaling is a factor)
6. Conductivity (micromho)
7. Chloride (ppm)
8. pH
9. Inhibitor (ppm) (6-10 ppm Phosphonate required)
10. Cycles of concentration
11. Scaling Index (Langlier or Ryznar)
12. Total bacteria count
13. Total halogen (Bromine)

c. Chilled Water:

1. Nitrite (ppm as NaNO_2)

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2. pH

C. Water Chiller Service Reports:

1. The report shall show all of the work performed during the monthly or annual preventive maintenance inspections, service calls and/or any facility visits. It shall include a listing of all parts replaced, all required lubrications, all adjustments made, all filters changed, any refrigerant leaks repaired and refrigerant added, and all readings taken as required by this contract pursuant to Section 3.3, (A), (4). The water chiller service report shall be submitted to the M-DCPS Chiller Service Contract Department and signed by an M-DCPS Authorized Representative at each facility.
2. At the end of each calendar year, the vendor shall provide the M-DCPS Authorized Representative with a report stating the total amount of refrigerant added to each water chiller during that year in compliance with EPA requirements.

D. Eddy Current Test Report

Pursuant to Section 3.5, Eddy Current tests shall be conducted not later than ninety (90) days after the initial contract effective date. The written report shall be filed within thirty (30) days of completion of the test.

FORM A

FROM: _____

TO:

VIA FAX:

FACILITY NAME:

SUBJECT: ADDITIONAL SERVICES - CHILLER SERVICE CONTRACT QUOTATION

Brief description of work to be done DATE:

Parts Needed:

Manufacturer	Model #	Part #	Description	List Price	Quant.	Price ___ % off List	Extended Amount

Mechanic Labor Hours _____ x _____ /Hr. \$ _____

Parts (Form A)	\$
Misc. (Form B)	\$
Labor (Form A)	\$
TOTAL QUOTE	\$

VERIFIED BY _____

M-DCPS (Blanket) PO #
 M-DCPS Release #
 M-DCPS W/O #

PLEASE FAX BACK TO REQUESTER: _____
Name

Fax Number

Note: Vendor may not proceed with work without first receiving a Release # from Procurement Management Services.

Bid #040-DD06 Chiller Service Contracts
Please submit with your bid (copies):

Attachment A

1. A copy of a valid certified license with the Department of Business and Professional Regulation of the State of Florida as a Mechanical or Class A Air Conditioning Contractor. Or a copy of the company's Florida State License holder Qualifier.
2. A copy of a current Miami-Dade County Occupational License.
3. A copy of the company's DERM APCF permit to purchase refrigerant.
4. Copies of the Certificates of Competency for each technician that will be servicing M-DCPS Air Conditioning equipment.
5. Copies of the EPA Universal Refrigerant Transition and Recovery Certification for each technician that will be servicing M-DCPS Air Conditioning equipment.
6. A list of the names and company phone numbers for the service manager, service supervisor, service salesman and the service dispatchers.
7. Letters of reference from two full service contract customers during the past (4) four year period having the same water chiller manufacture and compressor type contained in the bid, stating that the vendor's service has been satisfactory.
8. Letters of reference from (2) two water treatment customers during the past (2) two year period on Metro Dade quality water, stating that the sub contracted Water Treatment Vendor's service has been satisfactory.
9. Documentation stating that the persons performing the Oil Analysis test has experience in the evaluation of oil samples and the Evaluator has at least (3) three years experience performing Oil Analysis.
10. Copy of person's Certificate performing the Eddy Current Test at a M-DCPS site that the person is at least a Certified Level II Supervisor and a copy of the Company's Evaluator showing that person is a Certified Level III Supervisor.

**ALL REQUIRED VENDER QUALIFICATION DOCUMENTS SHALL BE
SUBMITTED WITH THE BID.**

MIAMI-DADE COUNTY PUBLIC SCHOOLS

APPENDIX D
GROUP OF FACILITIES FOR BLOCK BIDDING

EDDY CURRENT TESTS ARE LINE ITEMS 1ST YEAR ONLY

GROUP #1
Carrier – Screw

- | | | | |
|-----|--|-----|--|
| 1. | 6041 Bell, Paul Middle
11800 N.W. 2 nd Street
Miami, FL 33182 | 2. | 0661 Caribbean Elementary
11990 S.W. 200 Street
Miami, FL 33177 |
| 1a. | Eddy Current Test Quantity 2 | 2a. | Eddy Current Test Quantity 2 |
| 3. | 1401 Drew, C. El. (South Chiller Room)
1775 N.W. 60 Street
Miami, FL 33142 | 4. | 7151 Homestead Senior
2351 S.E. 12 Avenue
Homestead, FL 33035 |
| 3a. | Eddy Current Test Quantity 1 | 4a. | Eddy Current Test Quantity 3 |
| 5. | 5121 Snapper Creek Elementary
10151 S.W. 64 Street
Miami, FL 33173 | 6. | 6961 West Miami Middle
7525 S.W. 24 th Street
Miami, FL 33155 |
| 5a. | Eddy Current Test Quantity 1 | 6a. | Eddy Current Test Quantity 2 |

GROUP #2
Dunham - Bush – Screw

- | | | | |
|------|---|------|---|
| 7. | 5051 Graham, Ernest R. Elementary
7330 West 32 Avenue
Hialeah, FL 33014 | 8. | 7141 Krop, Dr. Michael M. Senior
1410 N.E. 215 th Street
Miami, FL 33179 |
| 7a. | Eddy Current Test Quantity 2 | 8a. | Eddy Current Test Quantity 3 |
| 9. | 7271 Mia Coral Park (W. Chiller Room)
8865 S.W. 16 Street
Miami, FL 33165 | 10. | 6541 Nautilus Middle
4301 North Michigan Avenue
Miami Beach, FL 33140 |
| 9a. | Eddy Current Test Quantity 1 | 10a. | Eddy Current Test Quantity 2 |
| 11. | 5381 Stirrup, E. W. F. Elementary
330 N.W. 97 Avenue
Miami, FL 33172 | 12. | 5431 Sweetwater Elementary
10655 S.W. 4 th Street
Sweetwater, FL 33174 |
| 11a. | Eddy Current Test Quantity 2 | 12a. | Eddy Current Test Quantity 2 |
| 13. | 5481 Treasure Island Elementary
7540 East Treasure Drive
North Bay Village, FL 33141
(On the 79 Street Causeway) | 14. | 7781 Varela, Flex Senior
15255 S.W. 96 th Street
Miami, FL 33196 |
| 13a. | Eddy Current Test Quantity 1 | 14a. | Eddy Current Test Quantity 3 |

GROUP #3
McQuay – Centrifugal

- | | |
|--|---|
| <p>15. 0651 Campbell Drive Elementary
15790 S.W. 307 Street
Leisure, FL 33033</p> <p>15a. Eddy Current Test Quantity 2</p> <p>17. 2181 Good, Joella Elementary
6350 N.W. 188 Terrace
Miami, FL 33015</p> <p>17a. Eddy Current Test Quantity 2</p> <p>19. 7411 Miami Northwestern Senior
1100 N.W. 71 Street
Miami, FL 33150</p> <p>19a. Eddy Current Test Quantity 3</p> <p>21. 5961 Winston Park Elementary
13200 S.W. 79 Street
Miami, FL 33183</p> <p>21a. Eddy Current Test Quantity 2</p> | <p>16. 1371 Douglas, Marjory S. Elem.
11901 S.W. 2nd Street
Miami, FL 33184</p> <p>16a. Eddy Current Test Quantity 2</p> <p>18. 2341 Hall, Joe Elementary
1901 S.W. 134th Avenue
Miami, FL 33175</p> <p>18a. Eddy Current Test Quantity 2</p> <p>20. 7531 Miami Sunset Senior
13125 S.W. 72 Street
Miami, FL 33183</p> <p>20a. Eddy Current Test Quantity 2</p> |
|--|---|

GROUP #4
McQuay -- Screw

- | | |
|---|---|
| <p>22. 0161 Avocado Elementary
16969 S.W. 294 Street
Homestead, FL 33030</p> <p>22a. Eddy Current Test Quantity 1</p> <p>24. 5791 West Homestead Elementary
1550 S.W. 6 Street
Homestead, FL 33030</p> <p>24a. Eddy Current Test Quantity 1</p> | <p>23. 2911 Lentin, Linda Elementary
14312 N.E. 2nd Court
Miami, FL 33161</p> <p>23a. Eddy Current Test Quantity 2</p> |
|---|---|

GROUP #5
Trane – Centrifugal

- | | |
|---|---|
| <p>25. 7051 Braddock, G. Holmes Senior
3601 S.W. 147 Avenue
Miami, FL 33183</p> <p>25a. Eddy Current Test Quantity 3</p> <p>27. 7791 Washington, Booker T. Senior (East water chiller Room)
1200 N.W. 6 Avenue
Miami, FL 33136</p> <p>27a. Eddy Current Test Quantity 2</p> | <p>26. 6421 Marti, Jose Middle
5701 West 24 Avenue
Hialeah, FL 33016</p> <p>26a. Eddy Current Test Quantity 2</p> |
|---|---|

GROUP #6
Trane – Screw

- | | | | |
|------|--|------|--|
| 28. | 6011 Allapattah Middle
1331 N.W. 46 Street
Miami, FL 33142 | 29. | 0101 Arcola Lake Elementary
1037 N.W. 81 Street
Miami, FL 33150 |
| 28a. | Eddy Current Test Quantity 2 | 29a. | Eddy Current Test Quantity 2 |
| 30. | 0251 Beckham, Ethel K. Elementary
4702 S.W. 143 Court
Miami, FL 33175 | 31. | 0271 Bent Tree Elementary
4861 S.W. 140 th Avenue
Miami, FL 33175 |
| 30a. | Eddy Current Test Quantity 2 | 31a. | Eddy Current Test Quantity 2 |
| 32. | 6031 Brownsville Middle
4899 N.W. 24 th Avenue
Miami, FL 33142 | 33. | 8119 500 Roll Model
6300 N.W. 27 Avenue
Miami, FL 33147 |
| 32a. | Eddy Current Test Quantity 2 | 33a. | Eddy Current Test Quantity 1 |
| 34. | 2741 Key Biscayne Elementary
150 W. McIntire Street
Key Biscayne, FL 33149
(At the end of Key Biscayne Dr.) | 35. | 7161 Mast Academy
3979 Rickenbacker Causeway
Key Biscayne, FL 33149
(Across the roadway from the Sea
Aquarium) |
| 34a. | Eddy Current Test Quantity 1 | 35a. | Eddy Current Test Quantity 2 |
| 36. | 7341 Miami Jackson Senior
1751 N.W. 36 Street
Miami, FL 33142 | 37. | 7381 Miami Norland Senior
1050 N.W. 195 Street
Miami, FL 33169 |
| 36a. | Eddy Current Test Quantity 2 | 37a. | Eddy Current Test Quantity 2 |
| 38. | 7541 North Miami Beach Senior
1247 N.E. 167 Street
North Miami Beach, FL 33162 | 39. | 4511 Porter, Gilbert Elementary
15851 S.W. 112 Street
Miami, FL 33196 |
| 38a. | Eddy Current Test Quantity 2 | 39a. | Eddy Current Test Quantity 2 |
| 40. | 6781 Richmond Heights Middle
15015 S.W. 103 Avenue
Miami, FL 33176 | 41. | 2941 Saunder, Laura C. Elem.
505 S.W. 8 Street
Homestead, FL 33030 |
| 40a. | Eddy Current Test Quantity 2 | 41a. | Eddy Current Test Quantity 2 |
| 42. | 5981 Whigham, Dr. E. L. Elementary
21545 S.W. 87 Avenue
Miami, FL 33189 | 43. | 5991 Wyche, Charles W. Jr. Elem.
5241 N.W. 195 Drive
Miami, FL 33055 |
| 42a. | Eddy Current Test Quantity 2 | 43a. | Eddy Current Test Quantity 2 |
| 44. | 7721 South Miami Senior
6856 S.W. 53 Street
Miami, FL 33155 | | |
| 44a. | Eddy Current Test Quantity 2 | | |

Group #7
York – Centrifugal

- | | | | |
|------|--|------|--|
| 45. | 0451 Ashe, Bowman Elementary
6601 S.W. 152 Avenue
Miami, FL 33193 | 46. | 1811 Fascell, Dante B. Elementary
15625 S.W. 80 Street
Miami, FL 33193 |
| 45a. | Eddy Current Test Quantity 2 | 46a. | Eddy Current Test Quantity 2 |
| 47. | 2021 Floyd, Gloria Elementary
12650 S.W. 109 Avenue
Miami, FL 33176 | 48. | 7361 Miami Killian Senior
10655 S.W. 97 Avenue
Miami, FL 33176 |
| 47a. | Eddy Current Test Quantity 2 | 48a. | Eddy Current Test Quantity 3 |
| 49. | 7511 Miami Springs Senior
751 Dove Avenue
Miami Springs, FL 33166 | 50. | 5101 Smith, John I. Elementary
10415 N.W. 52 Street
Miami, FL 33178 |
| 49a. | Eddy Current Test Quantity 2 | 50a. | Eddy Current Test Quantity 2 |
| 51. | 7701 South Dade Senior
28401 S.W. 167 Avenue
Homestead, FL 33030
(West Main water chiller room) | | |
| 51a. | Eddy Current Test Quantity 2 | | |

Group #8
York – Screw

- | | | | |
|------|--|------|---|
| 52. | 6141 Drew C. Middle
1801 N.W. 60 Street
Miami, FL 33142
(North water chiller room) | 53. | 7231 Miami Carol City Senior
3422 N.W. 187 Street
Miami, FL 33056 |
| 52a. | Eddy Current Test Quantity 2 | 53a. | Eddy Current Test Quantity 2 |
| 54. | 7271 Mia Coral Park Sr.
8865 S.W. 16 Street
Miami, FL 33165
(East water chiller room) | 55. | 3431 Miller, Phyllis Elementary
840 N.E. 87 Street
Miami, FL 33138 |
| 54a. | Eddy Current Test Quantity 2 | 55a. | Eddy Current Test Quantity 2 |
| 56. | 7791 Washington, B. T. Senior
1200 N.W. 6 Avenue
Miami FL 33136
(West new addition, water chiller room) | 57. | 7602 Turner, William H. Arts
10151 N.W. 19 th Avenue
Miami, FL 33147 |
| 56a. | Eddy Current Test Quantity 2 | 57a. | Eddy Current Test Quantity 3 |

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 6041 Name: Bell Paul W. Middle Address: 11800N.W. 2 Street Miami, FL 33182

A. WATER CHILLER(S)

- | | | | | |
|----|------------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | Manufacturer: <u>Carrier</u> | Model: <u>23XL</u> | Serial #: <u>49419</u> | Approx. Tonnage: <u>270</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>900</u> | Start Up Date: <u>1996</u> | |
| 2. | Manufacturer: <u>Carrier</u> | Model: <u>23XL</u> | Serial #: <u>49569</u> | Approx. Tonnage: <u>270</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>900</u> | Start Up Date: <u>1996</u> | |
| 3. | Manufacturer: _____ | Model: _____ | Serial #: _____ | Approx. Tonnage: _____ |
| | Ref. Type: <u>R-</u> _____ | Ref. Charge Lb: _____ | Start Up Date: _____ | |

B. COOLING TOWER(S)

- | | | | | |
|----|-----------------------------|----------------------------|-----------------------|-----------------|
| 1. | Manufacturer: <u>Protec</u> | Model: <u>PCT</u> | Serial #: <u>2085</u> | H.P.: <u>30</u> |
| | Condition: <u>Poor</u> | Start Up Date: <u>1996</u> | | |
| 2. | Manufacturer: _____ | Model: _____ | Serial #: _____ | H.P.: _____ |
| | Condition: _____ | Start Up Date: _____ | | |

C. WATER PUMP(S)

- | | | |
|--|-------------------|---------------|
| Manufacturer (<u>Cond</u>): <u>TACO</u> | Quantity <u>2</u> | HP: <u>20</u> |
| Manufacturer (<u>Chilled</u>): <u>TACO</u> | Quantity <u>2</u> | HP: <u>40</u> |
| Manufacturer (<u>Zone</u>): _____ | Quantity _____ | HP: _____ |
| Manufacturer (<u>Other</u>): _____ | Quantity _____ | HP: _____ |

D. CONTROL SYSTEM

- | | | |
|-------------------------|-----------------------|-----------|
| Air Dryer Mfg: <u>_</u> | Air Comp. Mfg.: _____ | HP: _____ |
|-------------------------|-----------------------|-----------|

Facility No. 6041 Name: Bell Paul W. Middle Address: 11800 N.W. 2Street Miami. Fl 33182

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

7. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 0661 Name: Caribbean Elementary Address: 11990 S.W. 200 Sreet Miami, Fl 33177

A. WATER CHILLER(S)

1. Manufacturer: Carrier Model: 19XL Serial #: 06692 Approx. Tonnage: 110
Ref. Type: R-22 Ref. Charge Lb: 600 Start Up Date: 1998
2. Manufacturer: Carrier Model: 19XL Serial #: 07573 Approx. Tonnage: 110
Ref. Type: R-22 Ref. Charge Lb: 600 Start Up Date: 1998
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Protec Model: 500 Serial #: Z761 H.P.: 15
Condition: Poor Start Up Date: 1998
2. Manufacturer: Protec Model: 500 Serial #: _____ H.P.: 15
Condition: Poor Start Up Date: 1998

C. WATER PUMP(S)

Manufacturer (Cond): Bell & Gossett Quantity 2 HP: 10
Manufacturer (Chilled): Bell & Gossett Quantity 2 HP: 15
Manufacturer (Zone): _____ Quantity _____ HP: _____
Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _ Air Comp. Mfg.: _____ HP: _____

Facility No. 0661 Name: Caribbean Elementary Address: 11990 S.W. 200 Street Miami, Fl 33177

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

8. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 6041 Name: Bell Paul W. Middle Address: 11800N.W. 2 Street Miami. FL 33182

A. WATER CHILLER(S)

- | | | | | |
|----|------------------------------|-------------------------------|------------------------------|--------------------------------|
| 1. | Manufacturer: <u>Carrier</u> | Model: <u>23XL</u> | Serial #: <u>49419</u> | Approx. Tonnage: <u>270</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>900</u> | Start Up Date: <u>1996</u> | |
| 2. | Manufacturer: <u>Carrier</u> | Model: <u>23XL</u> | Serial #: <u>49569</u> | Approx. Tonnage: <u>270</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>900</u> | Start Up Date: <u>1996</u> | |
| 3. | Manufacturer: <u> </u> | Model: <u> </u> | Serial #: <u> </u> | Approx. Tonnage: <u> </u> |
| | Ref. Type: <u>R- </u> | Ref. Charge Lb: <u> </u> | Start Up Date: <u> </u> | |

B. COOLING TOWER(S)

- | | | | | |
|----|-----------------------------|------------------------------|-----------------------|---------------------|
| 1. | Manufacturer: <u>Protec</u> | Model: <u>PCT</u> | Serial #: <u>2085</u> | H.P.: <u>30</u> |
| | Condition: <u>Poor</u> | Start Up Date: <u>1996</u> | | |
| 2. | Manufacturer: <u> </u> | Model: <u> </u> | Serial #: <u> </u> | H.P.: <u> </u> |
| | Condition: <u> </u> | Start Up Date: <u> </u> | | |

C. WATER PUMP(S)

- | | | |
|--|------------------------|-------------------|
| Manufacturer (<u>Cond</u>): <u>TACO</u> | Quantity <u>2</u> | HP: <u>20</u> |
| Manufacturer (<u>Chilled</u>): <u>TACO</u> | Quantity <u>2</u> | HP: <u>40</u> |
| Manufacturer (<u>Zone</u>): <u> </u> | Quantity <u> </u> | HP: <u> </u> |
| Manufacturer (<u>Other</u>): <u> </u> | Quantity <u> </u> | HP: <u> </u> |

D. CONTROL SYSTEM

Air Dryer Mfg: <u> </u>	Air Comp. Mfg.: <u> </u>	HP: <u> </u>
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Facility No. 1401 Name: Drew Charles R. Elem. Address: 1775 N.W. 60 Street Miami, FL 33142

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): <u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s): <u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s): <u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s): <u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s): <u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s): <u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

9. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>1</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7151 Name: Homestead Senior Address: 2351 S.E. 12 Avenue Homestead, FL 33035

A. WATER CHILLER(S)

1. Manufacturer: Carrier Model: 23XL Serial #: 47179 Approx. Tonnage: 250
Ref. Type: R-22 Ref. Charge Lb: 750 Start Up Date: 1993
2. Manufacturer: Carrier Model: 23XL Serial #: 15524 Approx. Tonnage: 250
Ref. Type: R-22 Ref. Charge Lb: 750 Start Up Date: 1995
3. Manufacturer: Carrier Model: 23XL Serial #: ???? Approx. Tonnage: 250
Ref. Type: R-22 Ref. Charge Lb: 750 Start Up Date: 1998

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: NC5102B2 Serial #: 090582-001-96 H.P.: 20
Condition: Good Start Up Date: 1997
2. Manufacturer: Marley Model: _____ Serial #: _____ H.P.: 20
Condition: _____ Start Up Date: 1997

C. WATER PUMP(S)

Manufacturer (Cond): Allis-Chamers Quantity 3 HP: 15
Manufacturer (Chilled): Allis-Chamers Quantity 3 HP: 20
Manufacturer (Zone): _____ Quantity _____ HP: _____
Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 751 Name: Homestead Senior Address: 2352 S.E. 12 Avenue Homestead, FL 33035

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>YES</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

10. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>3</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments: Part of this contract is the Culligan Water Softner, all parts, all labor, all needed solar rock salt and all needed resin replacement. Monthly water hardness test reports to be sent to M-DCPS.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 5121 Name: Snapper Creek Elementary Address: 10151 S.W. 64 Street Miami, FL 33173

A. WATER CHILLER(S)

- 1. Manufacturer: Carrier Model: 30HX Serial #: 44938 Approx. Tonnage: 106
 Ref. Type: R-134-A Ref. Charge Lb: 138 Start Up Date: 1997
- 2. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
 Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____
- 3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
 Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

- 1. Manufacturer: Protec Model: PCT Serial #: 2576 H.P.: 3
 Condition: Poor Start Up Date: 1997
- 2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: _____
 Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

- Manufacturer (Cond): Bell & Gossett Quantity 1 HP: 7.5
- Manufacturer (Chilled): Bell & Gossett Quantity 1 HP: 5
- Manufacturer (Zone): _____ Quantity _____ HP: _____
- Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 5121 Name: Snapper Creek Elementary Address: 10151 S.W. 64 Street Miami, FL 33173

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

11. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 1
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 6961 Name: West Miami Middle Address: 7525 S.W. 24th Street Miami, FL 33155

A. WATER CHILLER(S)

1. Manufacturer: Carrier Model: 23XL Serial #: 57283 Approx. Tonnage: 165
Ref. Type: R-22 Ref. Charge Lb: 600 Start Up Date: 1998
2. Manufacturer: Carrier Model: 23XL Serial #: 57284 Approx. Tonnage: 165
Ref. Type: R-22 Ref. Charge Lb: 600 Start Up Date: 1998
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: NC321286 Serial #: 117199-001-97 H.P.: 15
Condition: Good Start Up Date: 1998
2. Manufacturer: Marley Model: NC Serial #: H.P.: 15
Condition: Good Start Up Date: 1998

C. WATER PUMP(S)

Manufacturer (Cond): <u>Taco</u>	Quantity <u>2</u>	HP: <u>20</u>
Manufacturer (Chilled): <u>Taco</u>	Quantity <u>2</u>	HP: <u>25</u>
Manufacturer (Zone): <u> </u>	Quantity <u> </u>	HP: <u> </u>
Manufacturer (Other): <u> </u>	Quantity <u> </u>	HP: <u> </u>

D. CONTROL SYSTEM

Air Dryer Mfg: <u> </u>	Air Comp. Mfg.: <u> </u>	HP: <u> </u>
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Facility No. 6961 Name: West Miami Middle Address: 7525 S.W. 24th Street Miami, FL 33155

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

12. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 5051 Name: Graham, Ernest R. Elem. Address: 7330 West 32 Avenue Hialeah, FL 33014

A. WATER CHILLER(S)

1. Manufacturer: Dunhan-Bush Model: WCFX Serial #: 1A95D Approx. Tonnage: 218
Ref. Type: R-22 Ref. Charge Lb: 370 Start Up Date: 1996
2. Manufacturer: Dunham-Bush Model: WCFX Serial #: 1B95D Approx. Tonnage: 218
Ref. Type: R-22 Ref. Charge Lb: 370 Start Up Date: 1996
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R-_____ Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Thermal-Care Model: _____ Serial #: _____ H.P.: 10
Condition: Poor Start Up Date: 1996
2. Manufacturer: Thermal-Care Model: _____ Serial #: _____ H.P.: 10
Condition: Poor Start Up Date: 1996

C. WATER PUMP(S)

Manufacturer (Cond): <u>Peco</u>	Quantity <u>2</u>	HP: <u>30</u>
Manufacturer (Chilled): <u>Peco</u>	Quantity <u>2</u>	HP: <u>40</u>
Manufacturer (Zone): _____	Quantity _____	HP: _____
Manufacturer (Other): _____	Quantity _____	HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____	Air Comp. Mfg.: _____	HP: _____
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Facility No. 5051 Name: Graham, Ernest R. Elem. Address: 7330 West 32nd Avenue Hialeah, FL 33014

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

13. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7141 Name: Krop, Dr. M. Senior Address: 1410 N.E. 215th Street Miami, FL 33179

A. WATER CHILLER(S)

1. Manufacturer: Dunham-Bush Model: WCFX-30 Serial #: 1A97M Approx. Tonnage: 300
Ref. Type: R-22 Ref. Charge Lb: 570 Start Up Date: 1998
2. Manufacturer: Dunham-Bush Model: WCFX-30 Serial #: 1B97M Approx. Tonnage: 300
Ref. Type: R-22 Ref. Charge Lb: 570 Start Up Date: 1998
3. Manufacturer: Dunham-Bush Model: WCFX-30 Serial #: 1C97M Approx. Tonnage: 300
Ref. Type: R-22 Ref. Charge Lb: 570 Start Up Date: 1998

B. COOLING TOWER(S)

1. Manufacturer: Evapco Model: SST12-312B Serial #: 972094 H.P.:
Condition: Good Start Up Date: 1998
2. Manufacturer (2) Evapco Model: SST12-312B Serial #: H.P.:
Condition: Good / Good Start Up Date: 1998/1998

C. WATER PUMP(S)

Manufacturer (Cond): TACO Quantity 3 HP: 25
Manufacturer (Chilled Prim.): TACO Quantity 3 HP: 15
Manufacturer (Chilled Sec.): TACO VFD Quantity 2 HP: 75
Manufacturer (Other): Quantity HP:

D. CONTROL SYSTEM

Air Dryer Mfg: Air Comp. Mfg.: HP:

Facility No. 7141 Name: Krop Dr. M. Senior Address: 1410 N.E. 215th Street Miami, FL 33179

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 3
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 6
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

14. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 3
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7271 Name: Miami Coral Park Sr. Address: 8865 S.W. 16th Street Miami, FL 33165
West water chiller room

A. WATER CHILLER(S)

1. Manufacturer: Dunham-Bush Model: HWSC Serial #: 1A92J Approx. Tonnage: 150
Ref. Type: R-22 Ref. Charge Lb: 200 Start Up Date: 1994
2. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: _____ Serial #: _____ H.P.: 10
Condition: Poor Start Up Date: 1990
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: _____
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

Manufacturer (Cond): ?? Quantity 1 HP: 7.5
 Manufacturer (Chilled): ?? Quantity 1 HP: 7.5
 Manufacturer (Zone): _____ Quantity _____ HP: _____
 Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: Hankison Air Comp. Mfg.: Quincy HP: 1/2

Facility No. 7271 Name: Mia. Coral Park Sr. West Address: 8865 S.W. 16th Street Miami, FL 33165

West water chiller room.

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

15. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>1</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 5051 Name: Graham, Ernest R. Elem. Address: 7330 West 32 Avenue Hialeah, FL 33014

A. WATER CHILLER(S)

1. Manufacturer: Dunhan-Bush Model: WCFX Serial #: 1A95D Approx. Tonnage: 218
Ref. Type: R-22 Ref. Charge Lb: 370 Start Up Date: 1996
2. Manufacturer: Dunham-Bush Model: WCFX Serial #: 1B95D Approx. Tonnage: 218
Ref. Type: R-22 Ref. Charge Lb: 370 Start Up Date: 1996
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R-_____ Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Thermal-Care Model: _____ Serial #: _____ H.P.: 10
Condition: Poor Start Up Date: 1996
2. Manufacturer: Thermal-Care Model: _____ Serial #: _____ H.P.: 10
Condition: Poor Start Up Date: 1996

C. WATER PUMP(S)

Manufacturer (Cond): Peco Quantity 2 HP: 30
Manufacturer (Chilled): Peco Quantity 2 HP: 40
Manufacturer (Zone): _____ Quantity _____ HP: _____
Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 5051 Name: Graham, Ernest R. Elem. Address: 7330 West 32nd Avenue Hialeah, FL 33014

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

13. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 5381 Name: Stirrup, E. W. Elem. Address: 330 N.W. 97th Avenue Miami, FL 33172

A. WATER CHILLER(S)

1. Manufacturer: Dunham-Bush Model: PCWX Serial #: 1A84K Approx. Tonnage: 130
Ref. Type: R-22 Ref. Charge Lb: 260 Start Up Date: 1984
2. Manufacturer: Dunham-Bush Model: PCWX Serial #: 2A84K Approx. Tonnage: 130
Ref. Type: R-22 Ref. Charge Lb: 260 Start Up Date: 1984
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R-_____ Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Bac-Pritchard Model: 693584 Serial #: 42262 H.P.: 5/1.2
Condition: Very Poor Start Up Date: 1984
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: 5/1.2
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

Manufacturer (Cond): Allis-Chamers Quantity 2 HP: 15
Manufacturer (Chilled): Allis-Chamers Quantity 2 HP: 15
Manufacturer (Zone): _____ Quantity _____ HP: _____
Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 5381 Name: Stirrup. E. W. F. Elem. Address: 330 N.W. 97th Avenue Miami, FL 33172

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

17. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 5431 Name: Sweetwater Elem. Address: 10655 S.W. 4th Street Sweetwater, FL 33174

A. WATER CHILLER(S)

1. Manufacturer: Dunham-Bush Model: PCWX Serial #: 1A84K Approx. Tonnage: 130
Ref. Type: R-22 Ref. Charge Lb: 260 Start Up Date: 1984
2. Manufacturer: Dunham-Bush Model: PCWX Serial #: 2A84K Approx. Tonnage: 130
Ref. Type: R-22 Ref. Charge Lb: 260 Start Up Date: 1984
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R-_____ Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Bac-Pritchard Model: 693684 Serial #: 42262 H.P.: 5/1.2
Condition: Very Poor Start Up Date: 1984
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: 5/1.2
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

Manufacturer (Cond): <u>Allis-Chamers</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (Chilled): <u>Allis-Chamers</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (Zone): _____	Quantity _____	HP: _____
Manufacturer (Other): _____	Quantity _____	HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 5431 Name: Sweetwater Elem. Address: 10655 S.W. 4th Street Sweetwater, FL 33174

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

18. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 5481 Name: Treasure Island Elem. Address: 7540 E. Treasure Dr. N. Bay Village, FL 33141
On the N.W. 79th Street Causeway

A. WATER CHILLER(S)

1. Manufacturer: Dunham-Bush Model: HWSC Serial #: 1A91F Approx. Tonnage: 175
Ref. Type: R-22 Ref. Charge Lb: 216 Start Up Date: 1992
2. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Evapco Model: AT-8-61 Serial #: 917188 RH H.P.: 7.5
Condition: Poor Start Up Date: 1992
2. Manufacturer: Evapco Model: AT-8-61 Serial #: 917189 RH H.P.: 7.5
Condition: Poor Start Up Date: 1992

C. WATER PUMP(S)

Manufacturer (Cond): <u>TACO</u>	Quantity <u>2</u>	HP: <u>10</u>
Manufacturer (Chilled): <u>TACO</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (Zone): _____	Quantity _____	HP: _____
Manufacturer (Other): _____	Quantity _____	HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____	Air Comp. Mfg.: _____	HP: _____
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Facility No. 5481 Name: Treasure Island Elem. Address: 7540 East Treasure Dr. North Bav. Village.

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

19. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>1</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7781 Name: Varela, Flex Senior Address: 15255 S.W. 96th Street Miami, FL 33196

A. WATER CHILLER(S)

1. Manufacturer: Dunham-Bush Model: WCFX Serial #: 1A99M Approx. Tonnage: 300
Ref. Type: R-22 Ref. Charge Lb: 520 Start Up Date: 2000
2. Manufacturer: Dunham-Bush Model: WCFX Serial #: 1B99M Approx. Tonnage: 300
Ref. Type: R-22 Ref. Charge Lb: 520 Start Up Date: 2000
3. Manufacturer: Dunham-Bush Model: WCFX Serial #: 1C99M Approx. Tonnage: 300
Ref. Type: R-22 Ref. Charge Lb: 520 Start Up Date: 2000

B. COOLING TOWER(S)

1. Manufacturer: Evapco Model: SST 39-642 Serial #: _____ H.P.: 25/6.25
Condition: Good Start Up Date: 2000
2. Manufacturer: (2) Evapco Model: (2) SST 39-642 Serial #: _____ H.P.: (2) 25/6.25
Condition: (2) Good Start Up Date: (2) 2000

C. WATER PUMP(S)

Manufacturer (Cond): Taco Quantity 3 HP: 25
Manufacturer (Chilled Prim): Taco Quantity 3 HP: 15
Manufacturer (Chilled Sec): Taco VFD Quantity 2 HP: 75
Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _ Air Comp. Mfg.: _____ HP: _____

Facility No. 7781 Name: Varela, Felix Senior Address: 15255 S.W. 96th Street Miami, FL 33196

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>3</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>6</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

20. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>3</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No.0651 Name: Campbell Drive Elem. Address: 15790 S.W. 307 St. Leisure City, FL 33033

A. WATER CHILLER(S)

1. Manufacturer: McQuay Model: PEH Serial #: 03000 Approx. Tonnage: 100
Ref. Type: R-12 Ref. Charge Lb: 360 Start Up Date: 1985
2. Manufacturer: McQuay Model: PEH Serial #: 03100 Approx. Tonnage: 100
Ref. Type: R-12 Ref. Charge Lb: 360 Start Up Date: 1985
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R-_____ Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: NC Serial #: _____ H.P.: _____
Condition: Good Start Up Date: 1996
2. Manufacturer: Marley Model: NC Serial #: _____ H.P.: _____
Condition: Good Start Up Date: 1996

C. WATER PUMP(S)

Manufacturer (Cond): Weinman Quantity 2 HP: 15
Manufacturer (Chilled): Weinman Quantity 2 HP: 20
Manufacturer (Zone): _____ Quantity _____ HP: _____
Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 0651 Name: Campbell Dr. Elem. Address: 15790 S.W. 307 Street Leisure City, FL 33033

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): <u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s): <u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s): <u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s): <u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s): <u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s): <u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>YES</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

21. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

Part of this contract is the Culligan Water Softener, all parts, all labor, all needed resin replacement and all needed solar rock salt. Monthly water hardness testing with report sent to M-DCPS.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 1371 Name: Douglas, Marjory S. Elem. Address: 11901 S.W. 2nd Street Miami, FL 33184

A. WATER CHILLER(S)

1. Manufacturer: McQuay Model: PEH050 Serial #: 02000 Approx. Tonnage: 150
Ref. Type: R-134A Ref. Charge Lb: 430 Start Up Date: 1991
2. Manufacturer: McQuay Model: PEH050 Serial #: 02200 Approx. Tonnage: 150
Ref. Type: R-134A Ref. Charge Lb: 430 Start Up Date: 1991
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: King Sun Model: 200RT Serial #: H.P.: 5
Condition: Very Poor Start Up Date: 1991
2. Manufacturer: King Sun Model: 200RT Serial #: H.P.: 5
Condition: Very Poor Start Up Date: 1991

C. WATER PUMP(S)

Manufacturer (Cond): Weinman Quantity 2 HP: 15
Manufacturer (Chilled): Weinman Quantity 2 HP: 15
Manufacturer (Zone): Quantity HP:
Manufacturer (Other): Quantity HP:

D. CONTROL SYSTEM

Air Dryer Mfg: Air Comp. Mfg.: HP:

Facility No. 1371 Name: Douglas, Marjory S. Elem. Address: 11901 S.W. 2nd Street Miami, FL 33184

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

22. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

Electrical operated valves and step controller are part of contract.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 2181 Name: Good Joella Elementary Address: 6350 N.W. 188 Terrace, Miami, FL 33015

A. WATER CHILLER(S)

1. Manufacturer: McQuay Model: PEH050 Serial #: 00100 Approx. Tonnage: 118
Ref. Type: R-134A Ref. Charge Lb: 375 Start Up Date: 1990
2. Manufacturer: McQuay Model: PEH050 Serial #: 00200 Approx. Tonnage: 118
Ref. Type: R-134A Ref. Charge Lb: 375 Start Up Date: 1990
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: 0362 Serial #: 3899-89 H.P.: 7.5/1.9
Condition: Fair Start Up Date: 1990
2. Manufacturer: Model: Serial #: H.P.: 7.5/1.9
Condition: Start Up Date:

C. WATER PUMP(S)

Manufacturer (Cond): <u>Paco</u>	Quantity <u>2</u>	HP: <u>10</u>
Manufacturer (Chilled): <u>Paco</u>	Quantity <u>2</u>	HP: <u>25</u>
Manufacturer (Zone): <u> </u>	Quantity <u> </u>	HP: <u> </u>
Manufacturer (Other): <u> </u>	Quantity <u> </u>	HP: <u> </u>

D. CONTROL SYSTEM

Air Dryer Mfg: Air Comp. Mfg.: HP:

Facility No. 2181 Name: Good, Joella Elementary Address: 6350 N.W. 188 Terr. Miami, FL 33015

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

23. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 2341 Name: Hall, Joe Elementary Address: 1901 S.W. 134 Avenue Miami, FL 33175

A. WATER CHILLER(S)

1. Manufacturer: McQuay Model: PEH050 Serial #: 03700 Approx. Tonnage: 105
Ref. Type: R-12 Ref. Charge Lb: 360 Start Up Date: 1984
2. Manufacturer: McQuay Model: PEH050 Serial #: 03900 Approx. Tonnage: 105
Ref. Type: R-12 Ref. Charge Lb: 360 Start Up Date: 1984
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R-_____ Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Bac Pritchard Model: 4426-2 Serial #: 7051-84 H.P.: 5.5
Condition: Poor Start Up Date: 1984
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: 5.5
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

Manufacturer (<u>Cond</u>): <u>Muller</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (<u>Chilled</u>): <u>Muller</u>	Quantity <u>2</u>	HP: <u>20</u>
Manufacturer (<u>Zone</u>): _____	Quantity _____	HP: _____
Manufacturer (<u>Other</u>): _____	Quantity _____	HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 2341 Name: Hall, Joe Elementary Address: 1901 S.W. 134 Avenue Miami, FL 33175

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

24. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7411 Name: Miami Northwestern Senior Address: 1100 N.W. 71st St. Miami, FL 33150

A. WATER CHILLER(S)

1. Manufacturer: McQuay Model: PEHO Serial #: 81048 Approx. Tonnage: 500
Ref. Type: R-134A Ref. Charge Lb: 1150 Start Up Date: 1996
2. Manufacturer: McQuay Model: PEHO Serial #: 81049 Approx. Tonnage: 500
Ref. Type: R-134A Ref. Charge Lb: 1150 Start Up Date: 1996
3. Manufacturer: McQuay Model: PEHO Serial #: 81055 Approx. Tonnage: 500
Ref. Type: R-134A Ref. Charge Lb: 1150 Start Up Date: 1996

B. COOLING TOWER(S)

1. Manufacturer: Thermal-Care Model: _____ Serial #: H.P.: 30/7.5
Condition: Very Poor Start Up Date: 1996
2. Manufacturer: (2) Thermal-Care Model: _____ Serial #: H.P.: (2) 30/7.5
Condition: (2) Very Poor Start Up Date: (2) 1996

C. WATER PUMP(S)

Manufacturer (Cond): <u>Paco</u>	Quantity <u>4</u>	HP: <u>40</u>
Manufacturer (Chilled): <u>Paco</u>	Quantity <u>4</u>	HP: <u>50</u>
Manufacturer (Zone): _____	Quantity _____	HP: _____
Manufacturer (Other): _____	Quantity _____	HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: <u> </u>	Air Comp. Mfg.: _____	HP: _____
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Facility No. 7411 Name: Miami Northwestern Senior Address: 1100 N.W. 71st St. Miami, FL 33150

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

25. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>3</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7531 Name: Miami Sunset Senior Address: 13125 S.W. 72 Street Miami, FL 33183

A. WATER CHILLER(S)

1. Manufacturer: McQuay Model: PEH079 Serial #: 81016 Approx. Tonnage: 325
Ref. Type: R-134A Ref. Charge Lb: 1050 Start Up Date: 1996
2. Manufacturer: McQuay Model: PEH087J Serial #: 81020 Approx. Tonnage: 315
Ref. Type: R-134A Ref. Charge Lb: 1050 Start Up Date: 1994
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: NC5102CS Serial #: 086866-001-95 H.P.:
Condition: Good Start Up Date: 1996
2. Manufacturer: Marley Model: NC5102CS Serial #: H.P.:
Condition: Good Start Up Date: 1996

C. WATER PUMP(S)

Manufacturer (Cond): Allis-Chamers Quantity 2 HP: 30
Manufacturer (Chilled): Allis-Chamers Quantity 2 HP: 20
Manufacturer (Zone): Quantity HP:
Manufacturer (Other): Quantity HP:

D. CONTROL SYSTEM

Air Dryer Mfg: Hankison Air Comp. Mfg.: Quincy HP: 4

Facility No. 7531 Name: Miami Sunset Senior Address: 13125 S.W. 72 Street Miami, FL 33183

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 2
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 4
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

26. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 5961 Name: Winston Park Elementary Address: 13200 S.W. 79 Street Miami, FL 33183

A. WATER CHILLER(S)

1. Manufacturer: McQuay Model: PEH050 Serial #: 04200 Approx. Tonnage: 105
Ref. Type: R-12 Ref. Charge Lb: 360 Start Up Date: 1986
2. Manufacturer: McQuay Model: PEH050 Serial #: 04300 Approx. Tonnage: 105
Ref. Type: R-12 Ref. Charge Lb: 360 Start Up Date: 1986
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R-_____ Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: BAC-Pritchard Model: 4426 Serial #: 7050-85 H.P.: 5.5
Condition: Very Poor Start Up Date: 1996
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: 5.5
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

Manufacturer (<u>Cond</u>): <u>Muller</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (<u>Chilled</u>): <u>Muller</u>	Quantity <u>2</u>	HP: <u>20</u>
Manufacturer (<u>Zone</u>):	Quantity	HP:
Manufacturer (<u>Other</u>): _____	Quantity _____	HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 5961 Name: Winston Park Elementary Address: 13200 S.W. 79 Street Miami, FL 33183

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

27. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 0161 Name: Avocado Elementary Address: 16969 S.W. 294 Street Homestead, FL 33030

A. WATER CHILLER(S)

1. Manufacturer: McQuay Model: PFS15 Serial #: 29800 Approx. Tonnage: 130
Ref. Type: R-22 Ref. Charge Lb: 800 Start Up Date: 1996
2. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: NC2101BM Serial #: 105141-001 H.P.: 7.5
Condition: Good Start Up Date: 1997
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: _____
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

- Manufacturer (Cond): Bell & Gosset Quantity 1 HP: 7.5
Manufacturer (Chilled): Aurora Quantity 1 HP: 5
Manufacturer (Zone): _____ Quantity _____ HP: _____
Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 0161 Name: Avocado Elementary Address: 16969 S.W. 294 Street Miami, FL 33030

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>YES</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

28. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>1</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments: Part of this contract is the Culligan water softener, all parts, all labor. all need resign replacement and all needed solar rock salt. Monthly water hardness testing with report sent to M-DCPS.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 2911 Name: Lentin, Linda Elementary Address: 14312 N.E. 2nd Court Miami, FL 33161

A. WATER CHILLER(S)

1. Manufacturer: McQuay Model: PFS Serial #: 394-01 Approx. Tonnage: 175
Ref. Type: R-22 Ref. Charge Lb: 658 Start Up Date: 1998
2. Manufacturer: McQuay Model: PFS Serial #: 405-01 Approx. Tonnage: 175
Ref. Type: R-22 Ref. Charge Lb: 658 Start Up Date: 1998
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Thermal-Care Model: FC730 Serial #: 19801 H.P.: 15
Condition: Poor Start Up Date: 1998
2. Manufacturer: Thermal-Care Model: FC730 Serial #: 19801 H.P.: 15
Condition: Poor Start Up Date: 1998

C. WATER PUMP(S)

Manufacturer (Cond): Armstrong Quantity 2 HP: 15
Manufacturer (Chilled): Armstrong Quantity 2 HP: 20
Manufacturer (Zone): Quantity HP:
Manufacturer (Other): Quantity HP:

D. CONTROL SYSTEM

Air Dryer Mfg: Air Comp. Mfg.: HP:

Facility No. 2911 Name: Lentin, Linda Elementary Address: 14312 N.E. 2nd Court Miami, FL 33161

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

29. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 5791 Name: West Homestead Elem. Address: 1550 S.W. 6 Street Homestead, FL 33030

A. WATER CHILLER(S)

1. Manufacturer: McQuay Model: PFS Serial #: 34701 Approx. Tonnage: 160
Ref. Type: R-22 Ref. Charge Lb: 800 Start Up Date: 1997
2. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: NC-1011GS Serial #: 03114223-001-92 H.P.: 7.5
Condition: Good Start Up Date: 1993
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: _____
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

- | | | |
|--|-------------------|----------------|
| Manufacturer (Cond): <u>Weinman</u> | Quantity <u>2</u> | HP: <u>7.5</u> |
| Manufacturer (Chilled): <u>Weinman</u> | Quantity <u>2</u> | HP: <u>7.5</u> |
| Manufacturer (Zone): _____ | Quantity _____ | HP: _____ |
| Manufacturer (Other): <u>Zone</u> | Quantity _____ | HP: _____ |

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 5791 Name: West Homestead Elem. Address: 1550 S.W. 6 Street Homestead, FL 33030

E. **WATER TREATMENT EQUIPMENT**

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>YES</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

30. **MISCELLANEOUS**

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>1</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments: Part of this contract is the Culligan water softener ,all parts, all labor, all needed resin replacement and all needed solar rock salt. Monthly water hardness testing with report sent to M-DCPS

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7051 Name: Braddock. G. Holmes Sr. Address: 3601 S.W. 147 Avenue Miami, FL 33183

A. WATER CHILLER(S)

- | | | | | |
|----|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | Manufacturer: <u>Trane</u> | Model: <u>CVHE</u> | Serial #: <u>04062</u> | Approx. Tonnage: <u>250</u> |
| | Ref. Type: <u>R-11</u> | Ref. Charge Lb: <u>750</u> | Start Up Date: <u>1990</u> | |
| 2. | Manufacturer: <u>Trane</u> | Model: <u>CVHE</u> | Serial #: <u>04063</u> | Approx. Tonnage: <u>250</u> |
| | Ref. Type: <u>R-11</u> | Ref. Charge Lb: <u>750</u> | Start Up Date: <u>1990</u> | |
| 3. | Manufacturer: <u>Trane</u> | Model: <u>CVHE</u> | Serial #: <u>04064</u> | Approx. Tonnage: <u>250</u> |
| | Ref. Type: <u>R-11</u> | Ref. Charge Lb: <u>750</u> | Start Up Date: <u>1990</u> | |

B. COOLING TOWER(S)

- | | | | | |
|----|-----------------------------|----------------------------|--------------------------|----------------------|
| 1. | Manufacturer: <u>Marley</u> | Model: <u>451-200</u> | Serial #: <u>3216-90</u> | H.P.: <u>25/6.25</u> |
| | Condition: <u>Fair</u> | Start Up Date: <u>1990</u> | | |
| 2. | Manufacturer: | Model: | Serial #: | H.P.: <u>25/6.25</u> |
| | Condition: | Start Up Date: | | |

C. WATER PUMP(S)

Manufacturer (<u>Cond</u>): <u>Armstrong</u>	Quantity <u>3</u>	HP: <u>20</u>
Manufacturer (<u>Chilled</u>): <u>Armstrong</u>	Quantity <u>3</u>	HP: <u>25</u>
Manufacturer (<u>Zone</u>): _____	Quantity _____	HP: _____
Manufacturer (<u>Other</u>): _____	Quantity _____	HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____	Air Comp. Mfg.: _____	HP: _____
----------------------	-----------------------	-----------

Facility No. 7051 Name: Braddock, G. Holmes Sr. Address: 3601 S.W. 147 Avenue Miami, FL 33183

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

31. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>3</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 6421 Name: Marti. Jose Middle Address: 5701 West 24th Avenue Hialeah, FL 33016

A. WATER CHILLER(S)

1. Manufacturer: Trane Model: CVHE Serial #: 31657 Approx. Tonnage: 150
Ref. Type: R-11 Ref. Charge Lb: 450 Start Up Date: 1986
2. Manufacturer: Trane Model: CVHE Serial #: 31658 Approx. Tonnage: 150
Ref. Type: R-11 Ref. Charge Lb: 450 Start Up Date: 1986
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: 363 Serial #: 7546-86 H.P.: 7.5/1.8
Condition: Fair Start Up Date: 1986
2. Manufacturer: Marley Model: 363 Serial #: H.P.: 7.5/1.8
Condition: Fair Start Up Date: 1986

C. WATER PUMP(S)

Manufacturer (Cond): Bell & Gossett Quantity 2 HP: 15
Manufacturer (Chilled): Bell & Gossett Quantity 2 HP: 25
Manufacturer (Zone): Quantity HP:
Manufacturer (Other): Quantity HP:

D. CONTROL SYSTEM

Air Dryer Mfg: Air Comp. Mfg.: HP:

Facility No. 6421 Name: Marti, Jose Middle Address: 5701 West 24th Avenue Hialeah, FL 33016

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 2
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 4
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

32. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

**Facility No. 7791 Name: Washington, B.T. Senior Address: 1200 N.W. 6th Avenue Miami, FL 33136
East water chiller room.**

A. WATER CHILLER(S)

1. Manufacturer: Trane Model: CVHE Serial #: 01807 Approx. Tonnage: 200
Ref. Type: R-11 Ref. Charge Lb: 575 Start Up Date: 1987
2. Manufacturer: Trane Model: CVHE Serial #: 01808 Approx. Tonnage: 200
Ref. Type: R-11 Ref. Charge Lb: 575 Start Up Date: 1987
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: 368-102 Serial #: 1987 H.P.: 10/2.5
Condition: Fair Start Up Date: 1987
2. Manufacturer: Marley Model: 368-102 Serial #: 1987 H.P.: 10/2.5
Condition: Fair Start Up Date: 1987

C. WATER PUMP(S)

Manufacturer (<u>Cond</u>): <u>Allis-Chamers</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (<u>Chilled</u>): <u>Allis-Chamers</u>	Quantity <u>2</u>	HP: <u>25</u>
Manufacturer (<u>Zone</u>): <u> </u>	Quantity <u> </u>	HP: <u> </u>
Manufacturer (<u>Other</u>): <u> </u>	Quantity <u> </u>	HP: <u> </u>

D. CONTROL SYSTEM

Air Dryer Mfg: Air Comp. Mfg.: HP:

Facility No. 7791 Name: Washington, B.T. Senior Address: 1200 N.W. 6th Avenue Miami, FL 33136

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Davton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

33. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 6011 Name: Allapattah Middle Address: 1331 N.W. 46 Street Miami, FL 33142

A. WATER CHILLER(S)

- | | | | | |
|----|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | Manufacturer: <u>Trane</u> | Model: <u>RTHA</u> | Serial #: <u>00656</u> | Approx. Tonnage: <u>200</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>480</u> | Start Up Date: <u>1991</u> | |
| 2. | Manufacturer: <u>Trane</u> | Model: <u>RTHA</u> | Serial #: <u>00657</u> | Approx. Tonnage: <u>200</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>480</u> | Start Up Date: <u>1991</u> | |
| 3. | Manufacturer: _____ | Model: _____ | Serial #: _____ | Approx. Tonnage: _____ |
| | Ref. Type: <u>R-</u> _____ | Ref. Charge Lb: _____ | Start Up Date: _____ | |

B. COOLING TOWER(S)

- | | | | | |
|----|-----------------------------|----------------------------|---------------------------|-----------------|
| 1. | Manufacturer: <u>Marley</u> | Model: <u>102</u> | Serial #: <u>7-323-86</u> | H.P.: <u>15</u> |
| | Condition: <u>Poor</u> | Start Up Date: <u>1986</u> | | |
| 2. | Manufacturer: _____ | Model: _____ | Serial #: _____ | H.P.: _____ |
| | Condition: _____ | Start Up Date: _____ | | |

C. WATER PUMP(S)

- | | | |
|--|-------------------|---------------|
| Manufacturer (<u>Cond</u>): <u>Peerless</u> | Quantity <u>2</u> | HP: <u>20</u> |
| Manufacturer (<u>Chilled</u>): <u>Peerless</u> | Quantity <u>2</u> | HP: <u>30</u> |
| Manufacturer (<u>Zone</u>): _____ | Quantity _____ | HP: _____ |
| Manufacturer (<u>Other</u>): _____ | Quantity _____ | HP: _____ |

D. CONTROL SYSTEM

- | | | |
|----------------------|-----------------------|-----------|
| Air Dryer Mfg: _____ | Air Comp. Mfg.: _____ | HP: _____ |
|----------------------|-----------------------|-----------|

Facility No. 6011 Name: Allapattah Middle Address: 1331 N.W. 46 Street Miami, FL 33142

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

34. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

Trane System Control Panel (SCP) is part of contract.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 0101 Name: Arcola Lake Elementary Address: 1037 N.W. 81 Street Miami, FL 33150

A. WATER CHILLER(S)

- | | | | | |
|----|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | Manufacturer: <u>Trane</u> | Model: <u>RTHB</u> | Serial #: <u>03659</u> | Approx. Tonnage: <u>180</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>410</u> | Start Up Date: <u>1996</u> | |
| 2. | Manufacturer: <u>Trane</u> | Model: <u>RTHB</u> | Serial #: <u>03660</u> | Approx. Tonnage: <u>180</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>410</u> | Start Up Date: <u>1996</u> | |
| 3. | Manufacturer: _____ | Model: _____ | Serial #: _____ | Approx. Tonnage: _____ |
| | Ref. Type: <u>R-</u> _____ | Ref. Charge Lb: _____ | Start Up Date: _____ | |

B. COOLING TOWER(S)

- | | | | | |
|----|-----------------------------|----------------------------|-----------------|-------------|
| 1. | Manufacturer: <u>Evapco</u> | Model: <u>SST8</u> | Serial #: _____ | H.P.: _____ |
| | Condition: <u>Fair</u> | Start Up Date: <u>1996</u> | | |
| 2. | Manufacturer: <u>Evapco</u> | Model: <u>SST8</u> | Serial #: _____ | H.P.: _____ |
| | Condition: <u>Fair</u> | Start Up Date: <u>1996</u> | | |

C. WATER PUMP(S)

Manufacturer (<u>Cond</u>): <u>Taco</u>	Quantity <u>2</u>	HP: <u>20</u>
Manufacturer (<u>Chilled</u>): <u>Taco</u>	Quantity <u>2</u>	HP: <u>20</u>
Manufacturer (<u>Zone</u>): _____	Quantity _____	HP: _____
Manufacturer (<u>Other</u>): _____	Quantity _____	HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____	Air Comp. Mfg.: _____	HP: _____
----------------------	-----------------------	-----------

Facility No. 0101 Name: Arcola Lake Elementary Address: 1037 N.W. 81 Street Miami, FL 33150

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Davton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

35. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

Any Trane system control panel (SCP) is part of contract.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 0251 Name: Beckham, Ethel K. Elem. Address: 4702 S.W. 143 Court Miami, FL 33175

A. WATER CHILLER(S)

1. Manufacturer: Trane Model: RTWA Serial #: 08808 Approx. Tonnage: 125
Ref. Type: R-22 Ref. Charge Lb: 190 Start Up Date: 1996
2. Manufacturer: Trane Model: RTWA Serial #: 08809 Approx. Tonnage: 125
Ref. Type: R-22 Ref. Charge Lb: 190 Start Up Date: 1996
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Thermal-Care Model: FT Serial #: H.P.: 7.5
Condition: Poor Start Up Date: 1996
2. Manufacturer: Thermal-Care Model: FT Serial #: H.P.: 7.5
Condition: Poor Start Up Date: 1996

C. WATER PUMP(S)

Manufacturer (Cond): PACO Quantity 2 HP: 20
Manufacturer (Chilled): PACO Quantity 2 HP: 25
Manufacturer (Zone): Quantity HP:
Manufacturer (Other): Quantity HP:

D. CONTROL SYSTEM

Air Dryer Mfg: Air Comp. Mfg.: HP:

Facility No. 0251 Name: Beckham, Ethel K. Elem. Address: 4702 S.W. 143 Court Miami, FL 33175

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

36. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 0271 Name: Bent Tree Elementary Address: 4861 S.W. 140th Avenue Miami, FL 33175

A. WATER CHILLER(S)

1. Manufacturer: Trane Model: RTWA Serial #: 06010 Approx. Tonnage: 105
Ref. Type: R-22 Ref. Charge Lb: 180 Start Up Date: 1998
2. Manufacturer: Trane Model: RTWA Serial #: 06011 Approx. Tonnage: 105
Ref. Type: R-22 Ref. Charge Lb: 180 Start Up Date: 1998
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: 341 Serial #: 92880 H.P.: 7.5/1.88
Condition: Good Start Up Date: 1999
2. Manufacturer: Marley Model: 341 Serial #: 92880 H.P.: 7.5/1.88
Condition: Good Start Up Date: 1999

C. WATER PUMP(S)

Manufacturer (Cond): Weinman Quantity 2 HP: 15
Manufacturer (Chilled): Weinman Quantity 2 HP: 15
Manufacturer (Zone): Quantity HP:
Manufacturer (Other): Quantity HP:

D. CONTROL SYSTEM

Air Dryer Mfg: Air Comp. Mfg.: HP:

Facility No. 0271 Name: Bent Tree Elementary Address: 4861 S.W. 140th Avenue Miami, FL 33175

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

37. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 6031 Name: Brownsville Middle Address: 4899 N.W. 24th Avenue Miami, FL 33142

A. WATER CHILLER(S)

- | | | | | |
|----|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | Manufacturer: <u>Trane</u> | Model: <u>RTHA</u> | Serial #: <u>06496</u> | Approx. Tonnage: <u>170</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>330</u> | Start Up Date: <u>1992</u> | |
| 2. | Manufacturer: <u>Trane</u> | Model: <u>RTHA</u> | Serial #: <u>06497</u> | Approx. Tonnage: <u>170</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>330</u> | Start Up Date: <u>1992</u> | |
| 3. | Manufacturer: _____ | Model: _____ | Serial #: _____ | Approx. Tonnage: _____ |
| | Ref. Type: <u>R-</u> _____ | Ref. Charge Lb: _____ | Start Up Date: _____ | |

B. COOLING TOWER(S)

- | | | | | |
|----|-----------------------------|----------------------------|------------------------|----------------------|
| 1. | Manufacturer: <u>Evapco</u> | Model: <u>1886-69A</u> | Serial #: <u>17542</u> | H.P.: <u>7.5/1.9</u> |
| | Condition: <u>Fair</u> | Start Up Date: <u>1992</u> | | |
| 2. | Manufacturer: <u>Evapco</u> | Model: <u>1886-69A</u> | Serial #: <u>17543</u> | H.P.: <u>7.5/1.9</u> |
| | Condition: <u>Fair</u> | Start Up Date: <u>1992</u> | | |

C. WATER PUMP(S)

- | | | |
|-------------------------------------|-------------------|----------------|
| Manufacturer (Cond): <u>Taco</u> | Quantity <u>2</u> | HP: <u>7.5</u> |
| Manufacturer (Chilled): <u>Taco</u> | Quantity <u>2</u> | HP: <u>10</u> |
| Manufacturer (Zone): _____ | Quantity _____ | HP: _____ |
| Manufacturer (Other): _____ | Quantity _____ | HP: _____ |

D. CONTROL SYSTEM

- | | | |
|-------------------------|-----------------------|-----------|
| Air Dryer Mfg: <u>_</u> | Air Comp. Mfg.: _____ | HP: _____ |
|-------------------------|-----------------------|-----------|

Facility No. 6031 Name: Brownsville Middle Address: 4899 N.W. 24th Avenue Miami, FL 33142

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

38. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

Trane System Control Panel (SCP) is part of contract.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 8119 Name: 500 Roll Model Address: 6300 N.W. 27 Avenue Miami, FL 33147

A. WATER CHILLER(S)

1. Manufacturer: Trane Model: RTWA Serial #: A0770 Approx. Tonnage: 223
Ref. Type: R-22 Ref. Charge Lb: 190 Start Up Date: 1998
2. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Protec Model: 200SS Serial #: 0701-200 H.P.: 5
Condition: Poor Start Up Date: 1998
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: _____
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

Manufacturer (Cond): Bell&Gosett Quantity 2 HP: 10
Manufacturer (Chilled): Bell&Gosett Quantity 2 HP: 7.5
Manufacturer (Zone): _____ Quantity _____ HP: _____
Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 8119 Name: 500 Roll Model Address: 6300 N.W. 27 Avenue Miami, FL 33147

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

39. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 1
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

**Facility No. 2741 Name: Key Biscayne Elem. Address: 150 W. McIntire St. Key Biscayne, FL 33149
At the end of Key Biscayne Drive.**

A. WATER CHILLER(S)

1. Manufacturer: Trane Model: RTWA Serial #: 83741 Approx. Tonnage: 110
Ref. Type: R-22 Ref. Charge Lb: 190 Start Up Date: 1998
2. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R-_____ Ref. Charge Lb: _____ Start Up Date: _____
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R-_____ Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Protec Model: 200SS Serial #: 2228 H.P.: 5
Condition: Poor Start Up Date: 1998
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: _____
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

- Manufacturer (Cond): Weinman Quantity 2 HP: 7.5
Manufacturer (Chilled): Weinman Quantity 2 HP: 7.5
Manufacturer (Zone): _____ Quantity _____ HP: _____
Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

- Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 2741 Name: Key Biscayne Elem. Address: 150 W. McIntire Street Key Bisc., FL 33149

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

40. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>1</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

Facility No. 7161 Name: Mast Academy Address: 3979 Rickenbacker Causeway Key Bisc. Fl 33149

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

41. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments: Trane 04395 heat recovering condenser is part of contract.

Trane System Control Panel (SCP) is also part of contract.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7341 Name: Miami Jackson Senior Address: 1751 N.W. 36 Street Miami, FL 33142

A. WATER CHILLER(S)

- | | | | | |
|----|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | Manufacturer: <u>Trane</u> | Model: <u>RTHA</u> | Serial #: <u>00593</u> | Approx. Tonnage: <u>230</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>360</u> | Start Up Date: <u>1989</u> | |
| 2. | Manufacturer: <u>Trane</u> | Model: <u>RTHA</u> | Serial #: <u>01498</u> | Approx. Tonnage: <u>330</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>550</u> | Start Up Date: <u>1990</u> | |
| 3. | Manufacturer: _____ | Model: _____ | Serial #: _____ | Approx. Tonnage: _____ |
| | Ref. Type: <u>R-</u> _____ | Ref. Charge Lb: _____ | Start Up Date: _____ | |

B. COOLING TOWER(S)

- | | | | | |
|----|-----------------------------|----------------------------|---------------------------|---------------------|
| 1. | Manufacturer: <u>Marley</u> | Model: <u>102-100</u> | Serial #: <u>3-832-90</u> | H.P.: <u>10/2.5</u> |
| | Condition: <u>Fair</u> | Start Up Date: <u>1992</u> | | |
| 2. | Manufacturer: _____ | Model: _____ | Serial #: _____ | H.P.: <u>10/2.5</u> |
| | Condition: _____ | Start Up Date: _____ | | |

C. WATER PUMP(S)

Manufacturer (Cond): <u>Cornell</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (Chilled): <u>Cornell</u>	Quantity <u>2</u>	HP: <u>40</u>
Manufacturer (Zone): _____	Quantity _____	HP: _____
Manufacturer (Other): _____	Quantity _____	HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____	Air Comp. Mfg.: _____	HP: _____
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Facility No. 7341 Name: Miami Jackson Senior Address: 1751 N.W. 36 Street Miami, FL 33142

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

42. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

Trane System Control Panel (SCP) is part of contract.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7381 Name: Miami Norland Senior Address: 1050 N.W. 195 Street Miami, FL 33169

A. WATER CHILLER(S)

1. Manufacturer: Trane Model: RTHC Serial #: 03113 Approx. Tonnage: 212
Ref. Type: R-134A Ref. Charge Lb: 450 Start Up Date: 2002
2. Manufacturer: Carrier Model: 19DH Serial #: 31620 Approx. Tonnage: 212
Ref. Type: R-11 Ref. Charge Lb: 810 Start Up Date: 1983
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: 349 Serial #: 7261-81 H.P.: 20/5
Condition: Fair Start Up Date: 1983
2. Manufacturer: Model: Serial #: H.P.: 20/5
Condition: Start Up Date:

C. WATER PUMP(S)

Manufacturer (Cond): <u>Aurora</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (Chilled): <u>Aurora</u>	Quantity <u>2</u>	HP: <u>7.5</u>
Manufacturer (Zone): <u>Aurora</u>	Quantity <u>3</u>	HP: <u>10 - 7.5 - 5</u>
Manufacturer (Other): <u> </u>	Quantity <u> </u>	HP: <u> </u>

D. CONTROL SYSTEM

Air Dryer Mfg: <u>Johnson</u>	Air Comp. Mfg.: <u>Quincy</u>	HP: <u>(2) .25</u>
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Facility No. 7381 Name: Miami Norland Senior Address: 1050 N.W. 195 Street Miami, FL 33169

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 2
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 4
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

43. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments: Letters of reference needed only for the Trane Screw water chiller.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7541 Name: North Miami Beach Senior Address: 1247 N.E. 167 Street
North Miami Beach, FL 33162

A. WATER CHILLER(S)

1. Manufacturer: Trane Model: RTHA Serial #: 02664 Approx. Tonnage: 325
Ref. Type: R-22 Ref. Charge Lb: 550 Start Up Date: 1992
2. Manufacturer: Trane Model: RTHA Serial #: 03942 Approx. Tonnage: 325
Ref. Type: R-22 Ref. Charge Lb: 550 Start Up Date: 1992
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: Serial #: H.P.:
Condition: New Start Up Date: 2003
2. Manufacturer: Marley Model: Serial #: H.P.:
Condition: New Start Up Date: 2003

C. WATER PUMP(S)

- Manufacturer (Cond): Aurora Quantity 2 HP: 15
Manufacturer (Chilled): Aurora Quantity 2 HP: 25
Manufacturer (Zone): Quantity HP:
Manufacturer (Other): Quantity HP:

D. CONTROL SYSTEM

Air Dryer Mfg: Johnson Air Comp. Mfg.: DeVilbiss HP: (2) 3

Facility No. 7541 Name: North Miami Beach Senior Address: 1247 N.E. 167 Street N. Mia. Bch. FL

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241 WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

44. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments: Trane system control panel (SCP) is part of contract.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 4511 Name: Porter Gilbert Elementary Address: 15851 S.W. 112 Street Miami, FL 33196

A. WATER CHILLER(S)

- | | | | | |
|----|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | Manufacturer: <u>Trane</u> | Model: <u>RTHA</u> | Serial #: <u>02072</u> | Approx. Tonnage: <u>200</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>480</u> | Start Up Date: <u>1991</u> | |
| 2. | Manufacturer: <u>Trane</u> | Model: <u>RTHA</u> | Serial #: <u>02073</u> | Approx. Tonnage: <u>200</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>480</u> | Start Up Date: <u>1991</u> | |
| 3. | Manufacturer: _____ | Model: _____ | Serial #: _____ | Approx. Tonnage: _____ |
| | Ref. Type: <u>R-</u> _____ | Ref. Charge Lb: _____ | Start Up Date: _____ | |

B. COOLING TOWER(S)

- | | | | | |
|----|-----------------------------|----------------------------|-----------------|---------------------|
| 1. | Manufacturer: <u>Marley</u> | Model: _____ | Serial #: _____ | H.P.: <u>10/2.5</u> |
| | Condition: <u>Very Poor</u> | Start Up Date: <u>1991</u> | | |
| 2. | Manufacturer: <u>Marley</u> | Model: _____ | Serial #: _____ | H.P.: <u>10/2.5</u> |
| | Condition: <u>Very Poor</u> | Start Up Date: <u>1991</u> | | |

C. WATER PUMP(S)

- | | | |
|--|-------------------|---------------|
| Manufacturer (<u>Cond</u>): <u>Taco</u> | Quantity <u>2</u> | HP: <u>15</u> |
| Manufacturer (<u>Chilled</u>): <u>Taco</u> | Quantity <u>2</u> | HP: <u>10</u> |
| Manufacturer (<u>Zone</u>): _____ | Quantity _____ | HP: _____ |
| Manufacturer (<u>Other</u>): _____ | Quantity _____ | HP: _____ |

D. CONTROL SYSTEM

- | | | |
|-------------------------|-----------------------|-----------|
| Air Dryer Mfg: <u>_</u> | Air Comp. Mfg.: _____ | HP: _____ |
|-------------------------|-----------------------|-----------|

Facility No. 4511 Name: Porter Gilbert Elementary Address: 15851 S.W. 112 Street Miami, FL 33196

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>2</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>4</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

45. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments: Trane system control panel (SCP) is part of contract.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 6781 Name: Richmond Heights Middle Address: 15015 S.W. 103 Ave. Miami, FL 33176

A. WATER CHILLER(S)

1. Manufacturer: Trane Model: RTHA Serial #: 02662 Approx. Tonnage: 200
Ref. Type: R-22 Ref. Charge Lb: 480 Start Up Date: 1990
2. Manufacturer: Trane Model: RTHA Serial #: 02667 Approx. Tonnage: 200
Ref. Type: R-22 Ref. Charge Lb: 480 Start Up Date: 1990
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: Serial #: H.P.: 10/2.5
Condition: Fair Start Up Date: 1995
2. Manufacturer: Model: Serial #: H.P.: 10/2.5
Condition: Start Up Date:

C. WATER PUMP(S)

Manufacturer (Cond): Bell & Gossett Quantity 2 HP: 20
Manufacturer (Chilled): Bell & Gossett Quantity 2 HP: 20
Manufacturer (Zone): Quantity HP:
Manufacturer (Other): Quantity HP:

D. CONTROL SYSTEM

Air Dryer Mfg: Yes Air Comp. Mfg.: Quincy HP:

Facility No. 6781 Name: Richmond Heights Middle Address: 15015 S.W. 103 Ave. Miami, FL 33176

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

46. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments: Trane system control panel (SCP) is part of contract.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 2941 Name: Saunders Laura C. Elem. Address: 505 S.W. 8 Street Homestead, FL 33030

A. WATER CHILLER(S)

1. Manufacturer: Trane Model: RTHB Serial #: 00314 Approx. Tonnage: 180
Ref. Type: R-22 Ref. Charge Lb: 485 Start Up Date: 1996
2. Manufacturer: Trane Model: RTHB Serial #: 00315 Approx. Tonnage: 180
Ref. Type: R-22 Ref. Charge Lb: 485 Start Up Date: 1996
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R-_____ Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Protec Model: 500-SS Serial #: 2352 H.P.: 15
Condition: Poor Start Up Date: 1996
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: _____
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

- Manufacturer (Cond): Taco Quantity 2 HP: 10
Manufacturer (Chilled): Taco Quantity 2 HP: 25
Manufacturer (Zone): _____ Quantity _____ HP: _____
Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _ Air Comp. Mfg.: _____ HP: _____

Facility No. 2941 Name: Saunders Laura C. Elem. Address: 505 S.W. 8 Street Homestead, FL 33030

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): YES
Corrosion Coupon Testing:(Quarterly): YES

47. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments: Part of this contract is the Culligan water softener, all parts, all labor, all needed resin replacement and all needed solar rock salt. Monthly water hardness testing with report sent to M-DCPS.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 5981 Name: Whigham E.L. Elem. Address: 21545 S.W. 87 Avenue Miami, FL 33189

A. WATER CHILLER(S)

1. Manufacturer: Trane Model: RTHB Serial #: 03175 Approx. Tonnage: 215
Ref. Type: R-22 Ref. Charge Lb: 530 Start Up Date: 1996
2. Manufacturer: Trane Model: RTHB Serial #: 03176 Approx. Tonnage: 215
Ref. Type: R-22 Ref. Charge Lb: 530 Start Up Date: 1996
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: King Sun Model: 2KS Serial #: 28945 H.P.: 7.5
Condition: Poor Start Up Date: 1996
2. Manufacturer: King Sun Model: 2KS Serial #: 28946 H.P.: 7.5
Condition: Poor Start Up Date: 1996

C. WATER PUMP(S)

Manufacturer (Cond): <u>Taco</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (Chilled): <u>Taco</u>	Quantity <u>2</u>	HP: <u>10</u>
Manufacturer (Zone): <u> </u>	Quantity <u> </u>	HP: <u> </u>
Manufacturer (Other): <u> </u>	Quantity <u> </u>	HP: <u> </u>

D. CONTROL SYSTEM

Air Dryer Mfg: <u> </u>	Air Comp. Mfg.: <u> </u>	HP: <u> </u>
------------------------------	-------------------------------	-------------------

Facility No. 5981 Name: Whigham E. L. Elem. Address: 21545 S.W. 87 Avenue Miami, FL 33189

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

48. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

Any Trane system control panel (SCP) is part of contract.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 5991 Name: Wyche C. W. Jr. Elem. Address: 5241 N.W. 195 Drive Miami, FL 33055

A. WATER CHILLER(S)

- | | | | | |
|----|-----------------------------|-------------------------------|------------------------------|--------------------------------|
| 1. | Manufacturer: <u>Trane</u> | Model: <u>RTHB</u> | Serial #: <u>02089</u> | Approx. Tonnage: <u>215</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>670</u> | Start Up Date: <u>1996</u> | |
| 2. | Manufacturer: <u>Trane</u> | Model: <u>RTHB</u> | Serial #: <u>02090</u> | Approx. Tonnage: <u>215</u> |
| | Ref. Type: <u>R-22</u> | Ref. Charge Lb: <u>670</u> | Start Up Date: <u>1996</u> | |
| 3. | Manufacturer: <u> </u> | Model: <u> </u> | Serial #: <u> </u> | Approx. Tonnage: <u> </u> |
| | Ref. Type: <u>R- </u> | Ref. Charge Lb: <u> </u> | Start Up Date: <u> </u> | |

B. COOLING TOWER(S)

- | | | | | |
|----|-----------------------------|----------------------------|-----------------------|-----------------|
| 1. | Manufacturer: <u>Protec</u> | Model: <u>PCT350G</u> | Serial #: <u>2262</u> | H.P.: <u>10</u> |
| | Condition: <u>Poor</u> | Start Up Date: <u>1996</u> | | |
| 2. | Manufacturer: <u>Protec</u> | Model: <u>PCT350G</u> | Serial #: <u> </u> | H.P.: <u>10</u> |
| | Condition: <u>Poor</u> | Start Up Date: <u>1996</u> | | |

C. WATER PUMP(S)

- | | | |
|---|------------------------|-------------------|
| Manufacturer (Cond): <u>Bell & Gossett</u> | Quantity <u>2</u> | HP: <u>20</u> |
| Manufacturer (Chilled): <u>Bell & Gossett</u> | Quantity <u>2</u> | HP: <u>20</u> |
| Manufacturer (Zone): <u> </u> | Quantity <u> </u> | HP: <u> </u> |
| Manufacturer (Other): <u> </u> | Quantity <u> </u> | HP: <u> </u> |

D. CONTROL SYSTEM

- | | | |
|--------------------------|-------------------------------|-------------------|
| Air Dryer Mfg: <u> </u> | Air Comp. Mfg.: <u> </u> | HP: <u> </u> |
|--------------------------|-------------------------------|-------------------|

Facility No. 5991 Name: Wyche C. W. Jr. Elem. Address: 5241 N.W. 195 Drive Miami, FL 33055

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

49. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

Any Trane System Control Panel (SCP) is part of this contract.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7721 Name: South Miami Senior Address: 6856 S.W. 53 Street Miami, FL 33155

A. WATER CHILLER(S)

1. Manufacturer: Trane Model: RTHB Serial #: 04161 Approx. Tonnage: 330
Ref. Type: R-22 Ref. Charge Lb: 980 Start Up Date: 1998
2. Manufacturer: Trane Model: RTHB Serial #: 05952 Approx. Tonnage: 330
Ref. Type: R-22 Ref. Charge Lb: 980 Start Up Date: 1999
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: NC42025SS Serial #: 143757-00 H.P.: 15
Condition: Good Start Up Date: 1999
2. Manufacturer: Marley Model: NC42025SS Serial #: 143757-99 H.P.: 15
Condition: Good Start Up Date: 1999

C. WATER PUMP(S)

Manufacturer (Cond): Paco Quantity 2 HP: 15
Manufacturer (Chilled): Paco Quantity 2 HP: 30
Manufacturer (Zone): Quantity HP:
Manufacturer (Other): Quantity HP:

D. CONTROL SYSTEM

Air Dryer Mfg: Yes Air Comp. Mfg.: Yes HP:

Facility No. 7721 Name: South Miami Senior Address: 6856 S.W. 53 Street Miami, FL 33155

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 2
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 4
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

50. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

Trane Control System Panel (CSP) is part of contract.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 0451 Name: Ashe Bowman Elem. Address: 6601 S.W. 152 Avenue Miami, FL 33193

A. WATER CHILLER(S)

1. Manufacturer: York Model: YT Serial #: 46562 Approx. Tonnage: 180
Ref. Type: R-11 Ref. Charge Lb: 750 Start Up Date: 1991
2. Manufacturer: York Model: YT Serial #: 59087 Approx. Tonnage: 180
Ref. Type: R-11 Ref. Charge Lb: 750 Start Up Date: 1991
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R-_____ Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: 0365-102 Serial #: 3-412-91 H.P.: 10/2.5
Condition: Fair Start Up Date: 1991
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: 10/2.5
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

Manufacturer (<u>Cond</u>): <u>Taco</u>	Quantity <u>2</u>	HP: <u>10</u>
Manufacturer (<u>Chilled</u>): <u>Taco</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (<u>Zone</u>): _____	Quantity _____	HP: _____
Manufacturer (<u>Other</u>): _____	Quantity _____	HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 0451 Name: Ashe Bowman Elem. Address: 6601 S.W. 152 Avenue Miami, FL 33193

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

51. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 1811 Name: Fascell Dante B. Elem. Address: 15625 S.W. 80 Street Miami, FL 33193

A. WATER CHILLER(S)

1. Manufacturer: York Model: YT Serial #: 11174 Approx. Tonnage: 196
Ref. Type: R-11 Ref. Charge Lb: 730 Start Up Date: 1996
2. Manufacturer: York Model: YT Serial #: 52068 Approx. Tonnage: 196
Ref. Type: R-11 Ref. Charge Lb: 730 Start Up Date: 1996
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Evapco Model: SST8 Serial #: H.P.: 20/5
Condition: Fair Start Up Date: 1996
2. Manufacturer: Evapco Model: SST8 Serial #: H.P.: 20/5
Condition: Fair Start Up Date: 1996

C. WATER PUMP(S)

Manufacturer (Cond): <u>TACO</u>	Quantity <u>2</u>	HP: <u>10</u>
Manufacturer (Chilled): <u>TACO</u>	Quantity <u>2</u>	HP: <u>20</u>
Manufacturer (Zone): <u> </u>	Quantity <u> </u>	HP: <u> </u>
Manufacturer (Other): <u> </u>	Quantity <u> </u>	HP: <u> </u>

D. CONTROL SYSTEM

Air Dryer Mfg: Air Comp. Mfg.: HP:

Facility No. 1811 Name: Fascell Dante B. Elem. Address: 15625 S.W. 80 Street Miami, FL 33193

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

52. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 2021 Name: Floyd Gloria Elem. Address: 12650 S.W. 109 Avenue Miami, FL 33176

A. WATER CHILLER(S)

- | | | | | |
|----|-----------------------------|-------------------------------|------------------------------|--------------------------------|
| 1. | Manufacturer: <u>York</u> | Model: <u>YT</u> | Serial #: <u>72655</u> | Approx. Tonnage: <u>160</u> |
| | Ref. Type: <u>R-11</u> | Ref. Charge Lb: <u>950</u> | Start Up Date: <u>1985</u> | |
| 2. | Manufacturer: <u>McQuay</u> | Model: <u>PEH</u> | Serial #: <u>81022</u> | Approx. Tonnage: <u>130</u> |
| | Ref. Type: <u>R-134A</u> | Ref. Charge Lb: <u>480</u> | Start Up Date: <u>1996</u> | |
| 3. | Manufacturer: <u> </u> | Model: <u> </u> | Serial #: <u> </u> | Approx. Tonnage: <u> </u> |
| | Ref. Type: <u>R- </u> | Ref. Charge Lb: <u> </u> | Start Up Date: <u> </u> | |

B. COOLING TOWER(S)

- | | | | | |
|----|-----------------------------|----------------------------|-----------------------|----------------|
| 1. | Manufacturer: <u>Protec</u> | Model: <u>150 S/S</u> | Serial #: <u>2985</u> | H.P.: <u>3</u> |
| | Condition: <u>Poor</u> | Start Up Date: <u>1998</u> | | |
| 2. | Manufacturer: <u>Protec</u> | Model: <u>150 S/S</u> | Serial #: <u>2986</u> | H.P.: <u>3</u> |
| | Condition: <u>Poor</u> | Start Up Date: <u>1998</u> | | |

C. WATER PUMP(S)

Manufacturer (Cond): <u>Aurora</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (Chilled): <u>Aurora</u>	Quantity <u>2</u>	HP: <u>20</u>
Manufacturer (Zone): <u> </u>	Quantity <u> </u>	HP: <u> </u>
Manufacturer (Other): <u> </u>	Quantity <u> </u>	HP: <u> </u>

D. CONTROL SYSTEM

Air Dryer Mfg: <u>YES</u>	Air Comp. Mfg.: <u>Honeywell</u>	HP: <u>(2) 2</u>
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Facility No. 2021 Name: Floyd Gloria Elem. Address: 12650 S.W. 109 avenue Miami, FL 33176

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

7. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments: Letters of reference needed for the York Centrifugal water chiller only.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7361 Name: Miami Killian Senior Address: 10655 S.W. 97 Avenue Miami, Fl 33177

A. WATER CHILLER(S)

1. Manufacturer: York Model: YT Serial #: 25964 Approx. Tonnage: 275
Ref. Type: R-11 Ref. Charge Lb: 800 Start Up Date: 1989
2. Manufacturer: York Model: YT Serial #: 46746 Approx. Tonnage: 275
Ref. Type: R-11 Ref. Charge Lb: 800 Start Up Date: 1989
3. Manufacturer: Trane Model: RTHA Serial #: 05934 Approx. Tonnage: 130
Ref. Type: R-22 Ref. Charge Lb: 260 Start Up Date: 1993

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: NC3012 Serial #: _____ H.P.: _____
Condition: Fair Start Up Date: 1994
2. Manufacturer: Protec Model: _____ Serial #: _____ H.P.: _____
Condition: Poor Start Up Date: 1993

C. WATER PUMP(S)

Manufacturer (Cond): <u>Weinman</u>	Quantity <u>2</u>	HP: <u>10</u>
Manufacturer (Cond): <u>Weinman</u>	Quantity <u>2</u>	HP: <u>25</u>
Manufacturer (Chilled): <u>Weinman</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (Chilled): <u>Weinman</u>	Quantity <u>2</u>	HP: <u>40</u>

D. CONTROL SYSTEM

Air Dryer Mfg: Hankinson Air Comp. Mfg.: Johnson HP: .5

Facility No. 7361 Name: Miami Killian Senior Address: 10655 S.W. 97 Avenue Miami, FL 33176

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>2</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>4</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

8. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>3</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments: Letters of reference needed for the York Centrifugal water chiller only.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7511 Name: Miami Springs Senior Address: 751 Dove Avenue Miami Springs, FL 33166

A. WATER CHILLER(S)

1. Manufacturer: York Model: YT Serial #: 33350 Approx. Tonnage: 450
Ref. Type: R-123 Ref. Charge Lb: 950 Start Up Date: 1996
2. Manufacturer: York Model: YT Serial #: 92840 Approx. Tonnage: 450
Ref. Type: R-123 Ref. Charge Lb: 950 Start Up Date: 1996
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: (2) Marley Model: (2) NC 31123S Serial #: 100615-001-96 H.P.: (2) 15
Condition: Good Start Up Date: 1996
2. Manufacturer: (2) Marley Model: (2) NC31123S Serial #: H.P.: (2) 15
Condition: Good Start Up Date: 1996

C. WATER PUMP(S)

Manufacturer (Cond): <u>Bell & Gossett</u>	Quantity <u>2</u>	HP: <u>30</u>
Manufacturer (Chilled): <u>Bell & Gossett</u>	Quantity <u>2</u>	HP: <u>20</u>
Manufacturer (Zone): <u> </u>	Quantity <u> </u>	HP: <u> </u>
Manufacturer (Other): <u> </u>	Quantity <u> </u>	HP: <u> </u>

D. CONTROL SYSTEM

Air Dryer Mfg: <u> </u>	Air Comp. Mfg.: <u> </u>	HP: <u> </u>
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Facility No. 7511 Name: Miami Springs Senior Address: 751 Dove Avenue Miami Springs, FL 33166

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>2</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>4</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Davton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

9. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 5101 Name: Smith John I. Elem. Address: 10415 N.W. N.W. 52 Street Miami, Fl 33178

A. WATER CHILLER(S)

- | | | | | |
|----|---------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | Manufacturer: <u>York</u> | Model: <u>YT</u> | Serial #: <u>11173</u> | Approx. Tonnage: <u>196</u> |
| | Ref. Type: <u>R-123</u> | Ref. Charge Lb: <u>730</u> | Start Up Date: <u>1996</u> | |
| 2. | Manufacturer: <u>York</u> | Model: <u>YT</u> | Serial #: <u>51187</u> | Approx. Tonnage: <u>196</u> |
| | Ref. Type: <u>R-123</u> | Ref. Charge Lb: <u>730</u> | Start Up Date: <u>1996</u> | |
| 3. | Manufacturer: _____ | Model: _____ | Serial #: _____ | Approx. Tonnage: _____ |
| | Ref. Type: <u>R-</u> | Ref. Charge Lb: _____ | Start Up Date: _____ | |

B. COOLING TOWER(S)

- | | | | | |
|----|-----------------------------|----------------------------|-----------------|-------------------|
| 1. | Manufacturer: <u>Evapco</u> | Model: <u>SST8</u> | Serial #: _____ | H.P.: <u>20/5</u> |
| | Condition: <u>Good</u> | Start Up Date: <u>1996</u> | | |
| 2. | Manufacturer: <u>Evapco</u> | Model: <u>SST8</u> | Serial #: _____ | H.P.: <u>20/5</u> |
| | Condition: _____ | Start Up Date: <u>1996</u> | | |

C. WATER PUMP(S)

Manufacturer (<u>Cond</u>): <u>Taco</u>	Quantity <u>2</u>	HP: <u>10</u>
Manufacturer (<u>Chilled</u>): <u>Taco</u>	Quantity <u>2</u>	HP: <u>20</u>
Manufacturer (<u>Zone</u>): _____	Quantity _____	HP: _____
Manufacturer (<u>Other</u>): _____	Quantity _____	HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: <u>_</u>	Air Comp. Mfg.: _____	HP: _____
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Facility No. 5101 Name: Smith John I. Elem. Address: 10415 N.W. 52 Street Miami, FL 33178

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

10. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

**Facility No. 7701 Name: South Dade Senior Address: 28401 S.W. 167 Avenue Homestead, FL 33030
West main water chiller room.**

A. WATER CHILLER(S)

1. Manufacturer: York Model: YT Serial #: 10705 Approx. Tonnage: 235
Ref. Type: R-11 Ref. Charge Lb: 850 Start Up Date: 1989
2. Manufacturer: York Model: YT Serial #: 43434 Approx. Tonnage: 225
Ref. Type: R-11 Ref. Charge Lb: 850 Start Up Date: 1990
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R- Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: _____ Serial #: _____ H.P.: ?
Condition: Poor Start Up Date: 1981
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: ?
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

Manufacturer (Cond): Aurora Quantity 2 HP: 15
Manufacturer (Chilled): Aurora Quantity 2 HP: 40
Manufacturer (Zone): _____ Quantity _____ HP: _____
Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: _____ Air Comp. Mfg.: _____ HP: _____

Facility No. 7701 Name: South Dade Senior Address: 28401 S.W. 167 Avenue Homestead, FL 33030

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>YES</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

11. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments: Part of this contract is the Culligan water softener. all parts, all labor, all needed resign replacement and all needed solar rock salt. Monthly water hardness testing with report sent to M-DCPS.

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 6141 Name: Drew Charles Middle Address: 1801 N.W 60 Street Miami, FL 33142
North water chiller room.

A. WATER CHILLER(S)

1. Manufacturer: York Model: YS Serial #: 00160 Approx. Tonnage: 200
Ref. Type: R-22 Ref. Charge Lb: 650 Start Up Date: 1997
2. Manufacturer: York Model: YS Serial #: ? Approx. Tonnage: 200
Ref. Type: R-22 Ref. Charge Lb: 650 Start Up Date: 1997
3. Manufacturer: _____ Model: _____ Serial #: _____ Approx. Tonnage: _____
Ref. Type: R-_____ Ref. Charge Lb: _____ Start Up Date: _____

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: 343 Serial #: 7434-84 H.P.: 15
Condition: Old Start Up Date: 1984
2. Manufacturer: _____ Model: _____ Serial #: _____ H.P.: 15
Condition: _____ Start Up Date: _____

C. WATER PUMP(S)

Manufacturer (Cond): Bell & Gossett Quantity 2 HP: 15
Manufacturer (Chilled): Bell & Gossett Quantity 2 HP: 20
Manufacturer (Zone): _____ Quantity _____ HP: _____
Manufacturer (Other): _____ Quantity _____ HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: Johnson Air Comp. Mfg.: Yes HP: 4

Facility No. 6141 Name: Drew Charles Middle Address: 1801 N.W. 60 Street Miami, FL 33142

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

12. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7231 Name: Miami Carol City Senior Address: 3422 N.W. 187 Street Miami, FL 33056

A. WATER CHILLER(S)

1. Manufacturer: York Model: YS Serial #: 47390 Approx. Tonnage: 286
Ref. Type: R-22 Ref. Charge Lb: 680 Start Up Date: 1996
2. Manufacturer: York Model: YS Serial #: 48060 Approx. Tonnage: 286
Ref. Type: R-22 Ref. Charge Lb: 680 Start Up Date: 1996
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: NC Serial #: H.P.: 20/5
Condition: Good Start Up Date: 1996
2. Manufacturer: Marley Model: NC Serial #: H.P.: 20/5
Condition: Good Start Up Date: 1996

C. WATER PUMP(S)

Manufacturer (Cond): Weinman Quantity 2 HP: 25
Manufacturer (Chilled): Weinman Quantity 2 HP: 50
Manufacturer (Zone): Quantity HP:
Manufacturer (Other): Quantity HP:

D. CONTROL SYSTEM

Air Dryer Mfg: Air Comp. Mfg.: HP:

Facility No. 7231 Name: Miami Carol City Senior Address: 3422 N.W. 187 Street Miami, FL 33056

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

13. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

**Facility No. 7271 Name: Miami Coral Park Senior Address: 8865 S.W. 16 Street Miami, FL 33165
East water chiller room.**

A. WATER CHILLER(S)

1. Manufacturer: York Model: YS Serial #: 02432 Approx. Tonnage: 210
Ref. Type: R-22 Ref. Charge Lb: 650 Start Up Date: 1991
2. Manufacturer: York Model: YS Serial #: 02433 Approx. Tonnage: 210
Ref. Type: R-22 Ref. Charge Lb: 650 Start Up Date: 1991
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Marley Model: 2330 Serial #: H.P.: 40/10
Condition: Good Start Up Date: 1991
2. Manufacturer Model: Serial #: H.P.:
Condition: Start Up Date:

C. WATER PUMP(S)

Manufacturer (Cond): <u>Peerless</u>	Quantity <u>2</u>	HP: <u>7.5</u>
Manufacturer (Chilled): <u>Peerless</u>	Quantity <u>2</u>	HP: <u>20</u>
Manufacturer (Chilled): <u> </u>	Quantity <u> </u>	HP: <u> </u>
Manufacturer (Other): <u> </u>	Quantity <u> </u>	HP: <u> </u>

D. CONTROL SYSTEM

Air Dryer Mfg: Air Comp. Mfg.: HP:

Facility No. 7271 Name: Miami Coral Park Senior Address: 8865 S.W. 16 Street Miami, FL 33165
East water chiller room.

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

14. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 3431 Name: Miller Phyllis R. Elementary Address: 840 N.E. 87 Street Miami, FL 33138

A. WATER CHILLER(S)

1. Manufacturer: York Model: YS Serial #: 23113 Approx. Tonnage: 135
Ref. Type: R-22 Ref. Charge Lb: 490 Start Up Date: 1993
2. Manufacturer: York Model: YS Serial #: 23114 Approx. Tonnage: 135
Ref. Type: R-22 Ref. Charge Lb: 490 Start Up Date: 1993
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Protec Model: 350S/S Serial #: 1990 H.P.: 10/2.5
Condition: Very Poor Start Up Date: 1993
2. Manufacturer: Model: Serial #: H.P.:
Condition: Start Up Date:

C. WATER PUMP(S)

Manufacturer (Cond): <u>Taco</u>	Quantity <u>2</u>	HP: <u>5</u>
Manufacturer (Chilled): <u>Taco</u>	Quantity <u>2</u>	HP: <u>15</u>
Manufacturer (Zone): <u> </u>	Quantity <u> </u>	HP: <u> </u>
Manufacturer (Other): <u> </u>	Quantity <u> </u>	HP: <u> </u>

D. CONTROL SYSTEM

Air Dryer Mfg: <u>Johnson</u>	Air Comp. Mfg.: <u>(2) Quiney</u>	HP: <u>(2) 5</u>
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Facility No. 3431 Name: Miller Phyllis R. Elementary Address: 840 N.E. 87 Street Miami, FL 33138

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>1</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>2</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

15. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>2</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7791 Name: Washington B. T. Senior Address: 1200 N.W. 6 Avenue Miami, FL 33136
West new addition. water chiller room.

A. WATER CHILLER(S)

1. Manufacturer: York Model: YS Serial #: 58990 Approx. Tonnage: 250
Ref. Type: R-22 Ref. Charge Lb: 840 Start Up Date: 2001
2. Manufacturer: York Model: YS Serial #: 59110 Approx. Tonnage: 250
Ref. Type: R-22 Ref. Charge Lb: 840 Start Up Date: 2001
3. Manufacturer: Model: Serial #: Approx. Tonnage:
Ref. Type: R- Ref. Charge Lb: Start Up Date:

B. COOLING TOWER(S)

1. Manufacturer: Evapco Model: AC21-921 Serial #: T010833 H.P.: 25
Condition: Good Start Up Date: 2001
2. Manufacturer: Evapco Model: AC21-921 Serial #: H.P.: 25
Condition: Good Start Up Date: 2001

C. WATER PUMP(S)

Manufacturer (Cond): Weinman Quantity 2 HP: 20
Manufacturer (Chilled): Weinman Quantity 2 HP: 20 VFD
Manufacturer (Zone): Quantity HP:
Manufacturer (Other): Quantity HP:

D. CONTROL SYSTEM

Air Dryer Mfg: Air Comp. Mfg.: HP:

Facility No. 7791 Name: Washington B. T. Senior Address: 1200 N.W. 6 Avenue Miami, FL 33136

West new addition

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s): Pulsafeeder- ACT 101 C or Advantage -DCPS-C Quantity 1
Flow Switch(s): Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G YES
Chemical Pump(s): LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500 Quantity 2
Biocide Timer(s): Paragon- 7008-00 or Advantage- DCPS-B YES
Coupon Rack(s): Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007 YES
Solenoid Valve(s): ALCO- 241WA-12P06 or Dayton-3A436 with 6X543 YES

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor: YES
Solar Salt: (In Softener Storage Tank): NO
Corrosion Coupon Testing:(Quarterly): YES

16. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only) Quantity 2
Ethylene Glycol: (Ice Bank Coolant) NO

Comments:

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
UNIT PRICE SHEET**

Facility No. 7602 Name: Turner W. H. Arts Address: 10151 N.W. 19 Avenue Miami, FL 33147

A. WATER CHILLER(S)

1. Manufacturer: York Model: YS Serial #: 12693 Approx. Tonnage: 250
Ref. Type: R-22 Ref. Charge Lb: 900 Start Up Date: 1993
2. Manufacturer: York Model: YS Serial #: 12694 Approx. Tonnage: 250
Ref. Type: R-22 Ref. Charge Lb: 900 Start Up Date: 1993
3. Manufacturer: York Model: YS Serial #: 12695 Approx. Tonnage: 250
Ref. Type: R-22 Ref. Charge Lb: 900 Start Up Date: 1993

B. COOLING TOWER(S)

1. Manufacturer: Evapco Model: SST-L8-812B Serial #: 962508 H.P.: 15
Condition: Fair Start Up Date: 1998
2. Manufacturer (2) Evapco Model: SST-L8-812B Serial #: 962509/962510 H.P.: (2) 15
Condition: (2) Fair Start Up Date: (2) 1998

C. WATER PUMP(S)

Manufacturer (Cond): <u>Weinman</u>	Quantity <u>3</u>	HP: <u>20</u>
Manufacturer (Chilled): <u>Weinman</u>	Quantity <u>3</u>	HP: <u>30</u>
Manufacturer (Zone): _____	Quantity _____	HP: _____
Manufacturer (Other): _____	Quantity _____	HP: _____

D. CONTROL SYSTEM

Air Dryer Mfg: Hankison Air Comp. Mfg.: (2) Curtis HP: (2) 7.5

Facility No. 7602 Name: Turner W. H. Arts Address: 10151 N.W. 19 Avenue Miami, FL 33147

E. WATER TREATMENT EQUIPMENT

Conductivity Controller(s):	<u>Pulsafeeder- ACT 101 C or Advantage -DCPS-C</u>	Quantity <u>3</u>
Flow Switch(s):	<u>Pulsafeeder- FC20003 or Fla. Water Processing-FWR-1A-G</u>	<u>YES</u>
Chemical Pump(s):	<u>LMI- A151-392SI or Pulsafeeder- LPG4SA-PTC-500</u>	Quantity <u>6</u>
Biocide Timer(s):	<u>Paragon- 7008-00 or Advantage- DCPS-B</u>	<u>YES</u>
Coupon Rack(s):	<u>Pulsafeeder- CCR4-X7-H4 or J.L.Wingert- PCR-4-007</u>	<u>YES</u>
Solenoid Valve(s):	<u>ALCO- 241WA-12P06 or Dayton-3A436 with 6X543</u>	<u>YES</u>

OTHER ITEMS

Biocide, Inhibitor, Closed Loop Inhibitor:	<u>YES</u>
Solar Salt: (In Softener Storage Tank):	<u>NO</u>
Corrosion Coupon Testing:(Quarterly):	<u>YES</u>

17. MISCELLANEOUS

Eddy Current Test(s): (Line Item For First Year Of Contract Only)	Quantity <u>3</u>
Ethylene Glycol: (Ice Bank Coolant)	<u>NO</u>

Comments: